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24 июль 2023 г.

ДЕКЛАРАЦИЯ/ DECLARATION

Я, Хирокадзу Фукуда, настоящим  
заявляю, что целью прилагаемого  
документа является регистрация  
продукта.

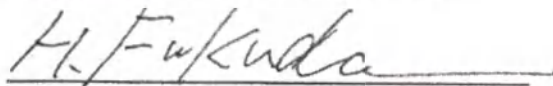
I, Hirokazu Fukuda hereby  
declare that the purpose of  
attached document is product  
registration.

私、福田浩和は、添付の書類の  
目的が製品登録であることをここ  
に宣言します。

FUJIFILM Healthcare Corporation.

Хироказу Фукуда / Hirokazu Fukuda

FUJIFILM Healthcare Corporation



Hirokazu Fukuda

Dates this 23th of July 2023.

**ЭКСПЛУАТАЦИОННАЯ ДОКУМЕНТАЦИЯ  
НА МЕДИЦИНСКОЕ ИЗДЕЛИЕ  
(Данные по акустической мощности)**

**Система ультразвуковая диагностическая варианты исполнения:  
ARIETTA 50, ARIETTA S60, с принадлежностями**

**OPERETIONAL DOCUMENTATION  
FOR MEDICAL DEVICE  
(Acoustic power data)**

**Ultrasound diagnostic system versions: ARIETTA 50, ARIETTA S60, with accessories**

**Разработчик:** *FUJIFILM Healthcare Corporation*  
*(ФУДЖИФИЛЬМ Хелскеа Корпорэйшн)*  
**(Developer)** *(Япония), 2-1 Shintoyofuta, Kashinwa-shi, Chiba, 277-0804,*  
*Japan*

**Место производства** *FUJIFILM Healthcare Corporation,*  
**медицинского изделия**  
**(Place of manufacture of** *2-1 Shintoyofuta, Kashinwa-shi, Chiba, 277-0804, Japan*  
**a medical device)**



## Диагностическая ультразвуковая система ARIETTA 50

### Инструкция по эксплуатации Данные по акустической мощности

Просьба к операторам и специалистам по обслуживанию:

- Прочтите документ «Руководство по эксплуатации» перед использованием диагностической ультразвуковой системы.
- После прочтения храните «Руководство по эксплуатации» в легкодоступном месте рядом с системой.

**FUJIFILM Healthcare Corporation**

MN1-6464RU ред. 6

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# Введение

Благодарим вас за приобретение диагностической ультразвуковой системы ARIETTA 50 производства FUJIFILM Healthcare Corporation.

Данный документ представляет собой инструкцию по эксплуатации для диагностической ультразвуковой системы ARIETTA 50.

В зависимости от того, какими дополнительными модулями была оснащена система на производстве, после названия марки «ARIETTA50» может быть добавлен соответствующий суффикс.

Любое упоминание «ARIETTA 50» в данном руководстве относится к моделям «ARIETTA 50» и «ARIETTA 50LE».

## Наименование и класс медицинского оборудования

### Название продукта

Диагностическая ультразвуковая система ARIETTA 50

## История редакций

№ редакции: 6

Дата обновления: 01.11.2021

## Условные обозначения, применяемые в этом руководстве

Представленные далее термины используются в настоящем руководстве для описания мер безопасности, которые должны соблюдаться для предотвращения угроз или травмирования операторов и пациентов. В зависимости от тяжести рисков и травм, которые могут произойти при несоблюдении этих мер безопасности, используются три категории: ОПАСНОСТЬ, ПРЕДУПРЕЖДЕНИЕ и ОСТОРОЖНО! Кроме того, термином ПРИМЕЧАНИЕ обозначаются другие меры предосторожности, которые должны соблюдать операторы.



### ОПАСНОСТЬ

Используется для обозначения угрожающе опасной ситуации, которая в случае, если ее не удастся избежать, может привести к смерти или тяжелой травме. Этот символ также обозначает непосредственно опасную ситуацию, которая может привести к полному разрушению устройств или пожару.



## ПРЕДУПРЕЖДЕНИЕ

Используется для обозначения потенциально опасной ситуации, которая в случае, если ее не удастся избежать, может привести к смерти или тяжелой травме. Этот символ также обозначает потенциальную (скрытую) опасность, которая может привести к полному разрушению устройств или пожару.



## ОСТОРОЖНО!

Используется для обозначения ситуации, которая, если ее не удастся избежать, может привести к легкой травме или травме средней тяжести. Этот символ также обозначает ситуацию, которая может привести к повреждению устройства или его части или к потере компьютерных данных.

## ПРИМЕЧАНИЕ

Используется для обозначения мер предосторожности, которые настоятельно рекомендуется соблюдать операторам во избежание повреждения или ухудшения работы устройств в ходе эксплуатации, а также для гарантии эффективного использования устройств. Кроме того, этот символ обозначает рекомендованные процедуры, состояния или действия, требующие особого внимания.

Меры безопасности разделены на следующие категории и обозначены следующими символами.



Используется для обозначения запрещенных условий или действий. Меры безопасности, сопровождаемые этим символом, описывают запрещенные условия или действия.



Используется для обозначения действий, которые должен выполнить пользователь.

## Символы настоящего руководства, не относящиеся к обычному набору буквенных и цифровых символов

Следует учитывать, что отображаемые в действительности экраны (включая значки и дизайн) могут отличаться от экранов диагностической ультразвуковой системы, приведенных в данном руководстве.

Некоторые из сообщений, описанных в данном руководстве, могут не отображаться диагностической ультразвуковой системой, это зависит от ее конфигурации (включая варианты системы и дополнительные модули).

В настоящем документе используются следующие символы.

| Символ   | Пояснение |
|----------|-----------|
| $\alpha$ | Альфа     |
| $\gamma$ | Гамма     |



| Символ | Пояснение |
|--------|-----------|
| т      | Пи        |

## О диагностической ультразвуковой системе ARIETTA 50

Данная система предназначена для использования врачами и другими квалифицированными лицами для проведения томографии и гемодинамической диагностики кровотока в теле человека.

Следует учитывать, что данную систему запрещается использовать для ультразвукового исследования глаз. Выходная акустическая мощность данной системы превышает верхний предел для офтальмологических исследований, установленный стандартами Управления по надзору за качеством пищевых продуктов и лекарственных средств США (FDA).

### 1. Меры предосторожности относительно использования и управления данной системой

- Эксплуатировать систему в диагностических целях разрешается только врачам и иным квалифицированным специалистам.
- Проводите сканирование в течение минимально короткого времени, необходимого для диагностики, и с наименьшей подходящей мощностью.
- Запрещается разбирать, ремонтировать или модифицировать данную систему или ее дополнительное оборудование без нашего разрешения. Ремонт системы должен выполняться нашими сертифицированными специалистами. В случае необходимости ремонта обращайтесь к нам.  
ПРИМЕЧАНИЕ: Под разборкой имеется в виду использование инструментов для снятия крышки или других деталей.  
ПРИМЕЧАНИЕ: Модификация означает присоединение к данной системе деталей или устройств, отличных от указанных производителем. Замена кабеля питания считается модификацией.
- Монтаж системы и любого дополнительного оборудования (сборка и подключение системы с использованием инструментов) должен выполняться нашими сертифицированными партнерами. В случае необходимости монтажа системы или дополнительного оборудования обращайтесь к нам.
- Перевозку системы (перемещение изделия с использованием транспортного средства, например, автомобиля или судна) должны осуществлять наши сертифицированные партнеры. В случае необходимости перевозки системы обращайтесь к нам.
- Периодически очищайте и проверяйте систему. Подробнее см. «Руководство по эксплуатации».
- Если во время использования системы наблюдаются какие-либо отклонения, немедленно извлеките датчик из тела пациента (или уберите датчик с поверхности тела пациента) и прекратите использование системы. Если у



пациента отмечаются необычные или аномальные симптомы, немедленно окажите ему соответствующую медицинскую помощь. Примите необходимые меры в отношении системы, как описано в «Руководстве по эксплуатации». При возникновении аномалии, не описанной в «Руководстве по эксплуатации», обратитесь в наш офис.

## 2. Меры предосторожности при монтаже системы

Данная система представляет собой медицинское электрооборудование, предназначенное для использования в больницах, научно-исследовательских центрах и других аналогичных учреждениях. Выполняйте монтаж системы в соответствии со следующим описанием.

- Выполняйте монтаж системы в соответствии с инструкциями, приведенными в разделе «Настройка перед использованием» документа «Руководство по эксплуатации».
- Среда установки системы должна соответствовать условиям, описанным в разделе «Внешние условия» «Руководства по эксплуатации».
- Выполняйте установку системы в среде, в которой можно обеспечить электромагнитную совместимость в соответствии с разделом «Меры предосторожности для поддержания электромагнитной совместимости» и «Указания по электромагнитной совместимости» документа «Руководство по эксплуатации».

Электромагнитная совместимость (ЕМС) означает, что система может сохранять безопасность и способность выполнять основные функции в указанной электромагнитной обстановке, не создавая электромагнитных помех, недопустимых для других устройств в данной обстановке.

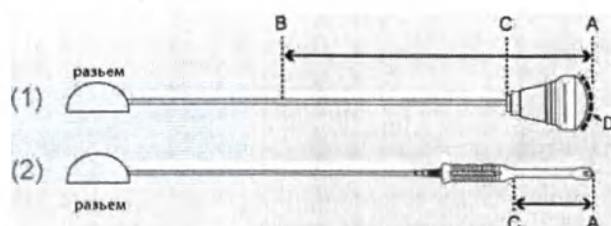
## 3. Габаритные размеры и масса системы

|                                                                                                         |                                                                                                  |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Габаритные размеры                                                                                      | Ширина: 531 мм $\pm$ 10% Глубина: 767 мм $\pm$ 10%                                               |
|                                                                                                         | Высота: от 1317 до 1567 мм                                                                       |
| Габаритные размеры<br>При использовании гибкого<br>кронштейна монитора<br>(дополнительный<br>компонент) | Ширина: 531 мм $\pm$ 10% Глубина: 797 мм $\pm$ 10%                                               |
|                                                                                                         | Высота: от 1280 до 1647 мм                                                                       |
| Масса                                                                                                   | 64 kg $\pm$ 10% (только основной блок), 105 kg $\pm$ 10% (со всеми дополнительными компонентами) |

# Классификация диагностической ультразвуковой системы ARIETTA 50

- Защита от поражения электрическим током: Медицинское электрооборудование, класс I
- Защита от поражения электрическим током (рабочие части): рабочая часть типа BF
  - Датчики и сканер

Подробные сведения о рабочих частях и деталях, с которыми требуется обращаться как с рабочими частями, см. на следующих рисунках (для датчика или сканера) и в следующей таблице.



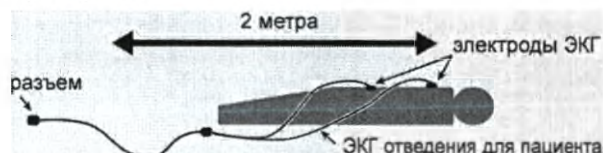
- (1) Пример датчиков для поверхностного применения или для применения во время операции.
- (2) Пример датчиков для полостей тела.

| Применение датчиков | Рабочая часть (прямой контакт с телом пациента) | Детали, считающиеся рабочими частями | Длина между В и С |
|---------------------|-------------------------------------------------|--------------------------------------|-------------------|
| Поверхность тела    | Область ультразвукового облучения (D)           | Между А и В                          | 100 см            |
| Интраоперационный   | Область ультразвукового облучения (D)           | Между А и В                          | 20 см             |
| В полостях тела     | Между А и С                                     | Между А и С                          | -                 |

#### ЭКГ

Детали, размещаемые в пределах 2 метров от датчика биологического сигнала, рассматриваются как рабочие части. (См. рисунок ниже.)

Пример: ЭКГ



- Защита от поражения электрическим током (рабочие части с защитой от дефибрилляции): Данная система не предназначена для использования с рабочими частями, защищенными от дефибрилляции.
- Защита от проникновения воды или частиц
  - Рабочая часть датчика: IPX7 (выдерживает кратковременное погружение в воду)
  - Ножной переключатель
    - MP-2819: IPX7 (выдерживает кратковременное погружение в воду)
    - MP-2345B: IPX8 (выдерживает длительное погружение в воду)
  - Прочие детали: IPX0 (обычный прибор)
- Уровень безопасности при использовании в среде воздуха и огнеопасного ингаляционного анестетика или кислорода/оксида азота и огнеопасного ингаляционного анестетика.

- Данная система не предназначена для использования в смеси воздуха и огнеопасного ингаляционного анестетика или в смеси кислорода или закиси азота и огнеопасного ингаляционного анестетика.
- Режим работы: продолжительная работа

## Переработка или утилизация

### ОСТОРОЖНО!



Переработка или утилизация данного оборудования должна осуществляться надлежащим образом в соответствии с организационными правилами и местным законодательством.



Данный символ на оборудовании или его упаковке означает, что данное оборудование не должно утилизироваться в качестве бытовых отходов. Вместо этого его следует сдать в соответствующий пункт сбора для переработки электрических и электронных изделий. Обеспечив правильную утилизацию данного оборудования, вы сможете предотвратить потенциальные негативные последствия для окружающей среды и здоровья человека, которые могут возникнуть в случае неправильного обращения с данным оборудованием. Переработка материалов помогает сохранить природные ресурсы.

Данное оборудование содержит первичную батарею (литиевую батарею). Переработка или утилизация данного оборудования должна осуществляться надлежащим образом в соответствии с организационными правилами и местным законодательством. Для получения более подробной информации о переработке данного оборудования обратитесь в один из наших офисов, перечисленных на задней стороне обложки, или в местную службу утилизации бытовых отходов.

## Товарные знаки и зарегистрированные товарные знаки

Microsoft, Windows, Microsoft Excel и Windows Media представляют собой зарегистрированные товарные знаки или товарные знаки Microsoft Corporation в Соединенных Штатах Америки и/или других странах.

Adobe, Acrobat и Reader представляют собой товарные знаки или зарегистрированные товарные знаки Adobe Systems Incorporated в Соединенных Штатах Америки и/или других странах.

Названия компаний, продуктов и логотипы McAfee, как на английском, так и на японском языках, являются товарными знаками или зарегистрированными товарными знаками McAfee, Inc. или ее дочерних компаний.

Linux является товарным знаком или зарегистрированным товарным знаком Mr. Linus Torvalds в Японии и других странах.

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This software is based in part on the work of the Independent JPEG Group.



Oracle и Java являются зарегистрированными товарными знаками компании Oracle и (или) ее дочерних предприятий. Прочие наименования могут быть товарными знаками их соответствующих владельцев.

Названия других компаний, продуктов и систем, упомянутые в инструкции по эксплуатации данного прибора, могут быть товарными знаками или зарегистрированными товарными знаками соответствующих организаций. В данном документе не содержатся символы <sup>TM</sup> и (R).

## **Меры предосторожности в отношении программного обеспечения, установленного в системе**

Запрещается выполнять следующие действия с программным обеспечением, установленным в данной системе.

1. Перепродажа, присвоение или передача самого программного обеспечения
2. Обратный инжиниринг, обратное компилирование или обратное ассемблирование
3. Модификация, изменение или перевод
4. Создание копий или дубликатов
5. Сдача в аренду третьим сторонам

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## Содержание

12 / MN1-6464RU ред. 6

## Данные по акустической мощности

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## 1.1 Измерения акустического выходного сигнала

Измерения акустического выходного сигнала, перечисленные в настоящем документе, получены с использованием диагностической ультразвуковой системы ARIETTA 50 при максимальных настройках акустического выходного сигнала в каждом режиме. Эти измерения выполнены в воде в соответствии с процедурами, установленными МЭК, FDA, AIUM и NEMA.

Отображаемую интенсивность ультразвукового луча (после поправки на акустическое затухание) рассчитывают по трем факторам.

- Интенсивности луча, измеренной в воде
- Глубины положения, в котором измеряли интенсивность луча
- Акустическая рабочая частота датчика

Интенсивность акустического выходного сигнала (после поправки на акустическое затухание) рассчитывают по следующим формулам:

$$I_a = I_w \times 10^{(-\alpha \times f_{wm} \times z / 10)}$$

$I_a$  (интенсивность после поправки на акустическое затухание) относится к расчетной интенсивности луча после прохождения через ткань (единицы измерения: мВт/см<sup>2</sup>).

$I_w$  (интенсивность, измеренная в воде) относится к расчетной интенсивности луча, измеренной в воде на расстоянии  $z$  (единицы измерения: мВт/см<sup>2</sup>).

$\alpha$  относится к коэффициенту акустического затухания (единицы измерения: дБ см<sup>-1</sup> МГц<sup>-1</sup>).

$f_{wm}$  относится к акустической рабочей частоте (единицы измерения: МГц).

Данная формула предполагает, что коэффициент акустического затухания  $\alpha$  в ткани остается постоянным и равен 0,3 дБ см<sup>-1</sup> МГц<sup>-1</sup>. Поскольку это значение меньше акустического затухания в мягких тканях, доза ультразвука, рассчитанная для данного положения, обычно превышает фактическую дозу. Однако при прохождении ультразвукового луча через ткань с высоким содержанием жидкости луч распространяется в ткани с крайне высоким акустическим затуханием, что приводит к тому, что доза ультразвука, рассчитанная для данного положения, становится ниже фактической дозы.

## 1.2 Таблица акустической мощности (если отображение TI производится в соответствии с IEC 62359 ред.1)

### 1.2.1 Точность отображения MI/TI

Механический индекс  $MI$  связан с пиковым акустическим давлением разрежения с учетом затухания,  $p_r$ ,  $\alpha$ . Точность отображения механического индекса должна быть связана с погрешностью измерений  $p_r$ .

Тепловой индекс  $Tl$  относится к общей мощности  $P$  и ослабленной максимальной в пространстве и усредненной во времени интенсивности  $I_{spta}$ ,  $\alpha$ .

Точность отображения тепловых индексов должна быть связана с погрешностью измерений  $P$  и  $I_{pi}$ .

Точность отображения  $Ml/Tl$  приведена для каждой таблицы акустического выходного сигнала.

## 1.2.2 Символы, используемые в таблице акустического выходного сигнала

Список символов в таблице акустической выходной мощности согласно IEC 61157 4.2.2

| Максимальная мощность  | усредненная во времени максимальная выходная мощность (максимальная мощность) (мВт)                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $p_{-}$                | пиковое акустическое давление расширения, измеренное в воде (МПа)                                                                                                                                                                         |
| $I_{ob}$               | интенсивность выходного луча (мВт/см <sup>2</sup> )                                                                                                                                                                                       |
| $I_{spta}$             | максимальная в пространстве и усредненная во времени интенсивность, измеренная в воде (мВт/см <sup>2</sup> )                                                                                                                              |
| $z_p$                  | расстояние от выходной поверхности датчика до точки максимального квадратичного интегрального значения импульсного давления (или максимального среднего квадратичного акустического давления для систем с незатухающими колебаниями) (мм) |
| $z_{tt}$               | расстояние от датчика до выходной поверхности датчика (мм)                                                                                                                                                                                |
| $z_{ts}$               | типичное значение расстояния удаления датчика (мм)                                                                                                                                                                                        |
| $w_{pb6} (  )$         | ширина -6-дБ импульсного луча в точке максимального квадратичного интегрального значения импульсного давления для параллельного направления (мм)                                                                                          |
| $w_{pb6} (\perp)$      | ширина -6-дБ импульсного луча в точке максимального квадратичного интегрального значения импульсного давления для перпендикулярного направления (мм)                                                                                      |
| $prr$ (PRF)            | скорость (частота) повтора импульса (Гц)                                                                                                                                                                                                  |
| $srr$                  | Частота повторного сканирования (Гц)                                                                                                                                                                                                      |
| Размеры выходного луча | размеры выходного луча (мм) X, Y                                                                                                                                                                                                          |
| $f_{awf}$              | акустическая рабочая частота (МГц)                                                                                                                                                                                                        |

Список символов в IEC 60601-2-37 (2007) Таблица 201.103

| Термин    | Полная расшифровка                      |
|-----------|-----------------------------------------|
| $\alpha$  | коэффициент акустического затухания     |
| $A_{apt}$ | площадь выходного луча на уровне -12 дБ |
| $d_{eq}$  | эквивалентный диаметр луча              |
| $f_{awf}$ | акустическая рабочая частота            |



| Термин           | Полная расшифровка                                   |
|------------------|------------------------------------------------------|
| $FL_x, FL_y$     | длина фокуса                                         |
| $I_{pa}, \alpha$ | ослабленная средняя интенсивность импульса           |
| $I_{pi}$         | интеграл интенсивности импульса                      |
| $I_{pi}, \alpha$ | интеграл ослабленной интенсивности импульса          |
| $MI$             | механический индекс                                  |
| $P$              | выходная мощность                                    |
| $P_\alpha$       | выходная мощность с учетом затухания                 |
| $p_r$            | пиковое акустическое давление разрежения             |
| $p_r, \alpha$    | ослабленное пиковое акустическое давление расширения |
| $p_{rr}$         | скорость повтора импульса                            |
| $TI$             | тепловой индекс                                      |
| $TIB$            | тепловой индекс костей                               |
| $TIC$            | тепловой индекс костей черепа                        |
| $TIS$            | тепловой индекс мягких тканей                        |
| $t_d$            | продолжительность импульса                           |
| $X, Y$           | размеры выходного луча на уровне -12 дБ              |
| $z$              | расстояние от источника до заданной точки            |
| $z_b$            | глубина для $TIB$                                    |
| $z_{bp}$         | глубина точки излома                                 |
| $z_s$            | глубина для $TIS$                                    |

Таблицы акустической мощности (Таблица 201.103) приведены для всех датчиков в каждом режиме, независимо от значения  $TI$  и  $MI$ .

Значения 1,0 для  $MI$  и  $TI$  не должны быть превышены в любом рабочем состоянии для следующих датчиков:

- C41L47RP(L)

## 1.2.3 Таблица акустического выходного сигнала

### (1) Электронные конвексные датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

| Convex                           |                       | Acoustic power is controllable by the user. |            |         |         |            |           |                |                    |                   |                      |
|----------------------------------|-----------------------|---------------------------------------------|------------|---------|---------|------------|-----------|----------------|--------------------|-------------------|----------------------|
| parameter                        | Mode                  | $B_p$                                       | $B_{pmax}$ | M       | $D_p$   | $D_{pmax}$ | $(B+D)_p$ | $(B+D)_{pmax}$ | $(B+Color)_{pmax}$ | $(B+Color)_{Dip}$ | $(B+Color+D)_{pmax}$ |
| Maximum power                    |                       | 144                                         | 157        | 129     | 48      | 112        | 36        | 119            | 130                | 89                | 113                  |
| $P_{max}$                        | (mW)                  | 4.1                                         | 2.9        | 4.1     | 3.9     | 1.0        | 4.1       | 2.4            | 2.3                | 4.1               | 3.3                  |
| $I_{pmax}$                       | (mW/cm <sup>2</sup> ) | 68                                          | 95         | 61      | 30      | 58         | 31        | 80             | 116                | 75                | 60                   |
| $I_{pmax}$                       | (mW/cm <sup>2</sup> ) | 25                                          | 154        | 1445    | 874     | 1848       | 156       | 1525           | 192                | 1158              | 1763                 |
| PWR%                             | (%)                   | 100                                         | 100        | 100     | 100     | 100        | 100       | 100            | 100                | 100               | 100                  |
| Wire Mode                        |                       | THP(L)                                      | THP(L)     | M       | Pw      | Pw         | B/Pw      | B/Pw           | B/Pw               | B/Pw              | B/Pw                 |
| Frequency (B)                    |                       | High                                        | High       | High    | n/a     | n/a        | THP(L)    | THP(L)         | THP(L)             | THP(L)            | THP(L)               |
| Focus (B)                        |                       | F4                                          | F3         | F4      | n/a     | n/a        | F4        | F1             | F2                 | F4                | F2                   |
| Scan% (B)                        | (%)                   | 100                                         | 25         | n/a     | n/a     | n/a        | 100       | 25             | 25                 | 26                | 27                   |
| Range                            | (cm)                  | 30.0                                        | 7.0        | 30.0    | n/a     | n/a        | 30.0      | 11.0           | 7.0                | 30.0              | 30.0                 |
| PRF Limit                        |                       | ON                                          | OFF        | n/a     | n/a     | n/a        | ON        | OFF            | OFF                | OFF               | OFF                  |
| Line Density                     |                       | Low                                         | High       | n/a     | n/a     | n/a        | Low       | Low            | High               | Low               | Medium               |
| Flow Mode                        |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | Flow               | nFlow             | Flow                 |
| Ref. Frequency (Color)           |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | Std                | Penet             | Reso                 |
| Flow% (Color)                    | (%)                   | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | F2                 | F6                | F1                   |
| Color Velocity Range             | (cm/s)                | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 15                 | 15                | 15                   |
| Packet Size                      |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 36.64              | 41.60             | 28.46                |
| Flow Area Depth                  |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | High               | Low               | High                 |
| Color Line Density               | (cm)                  | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 7.0                | 30.0              | 30.0                 |
| Pw Mode                          |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 1                  | 3                 | 3                    |
| High PRF                         |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Ref. Frequency (D)               |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Focus (D)                        |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Doppler Velocity Range           | (cm/s)                | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Sample gate size                 | (cm)                  | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Sample gate depth                | (cm)                  | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Triplex Frame Rate               | (cm)                  | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Triplex VSL Range                |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Flow Area Lock                   |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| $f_p$                            | (mm)                  | 65                                          | 49         | 65      | 50      | 65         | 65        | 65             | 36                 | 65                | 65                   |
| $f_{pmax}$                       | (mm)                  | 2.8                                         | 2.6        | 2.8     | 2.3     | 2.5        | 2.8       | 2.5            | 2.8                | 2.8               | 2.5                  |
| $f_{pmin}$                       | (mm)                  | 4.3                                         | 3.6        | 4.3     | 3.1     | 3.6        | 4.3       | 3.6            | 4.3                | 4.3               | 3.6                  |
| $f_{pmax}$                       | (Hz)                  | 21                                          | 66         | 2003    | 501     | 18315      | n/a       | n/a            | n/a                | n/a               | n/a                  |
| $f_{pmin}$                       | (Hz)                  | 2.0                                         | 2.0        | n/a     | n/a     | n/a        | 2.8       | 35             | 23                 | 74                | 4.0                  |
| $f_{pmax}$                       | (mm)                  | 53                                          | 53         | n/a     | n/a     | n/a        | 2.0       | 1.0            | B-2, C-9           | B-2, C-7          | B-2, C-13            |
| $f_{pmin}$                       | (mm)                  | 19                                          | 15         | 19      | 14      | 18         | 19        | 18             | B-41, C-21         | B-9, C-4          | B-17, C-5            |
| $f_{pmax}$                       | (mm)                  | 11                                          | 11         | 11      | 11      | 11         | 11        | 11             | 10                 | 19                | 18                   |
| $f_{pmin}$                       | (mm)                  | 2.6                                         | 2.6        | 2.6     | 3.1     | 3.1        | 2.6       | 3.1            | 2.3                | 2.6               | 3.1                  |
| Acoustic Power-up Fraction       | (%)                   | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Power-up mode                    |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Acoustic Initialization Fraction | (%)                   | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Initialization mode              |                       | n/a                                         | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a                | n/a               | n/a                  |
| Acoustic output freeze           | (mm)                  | Yes                                         | Yes        | Yes     | Yes     | Yes        | Yes       | Yes            | Yes                | Yes               | Yes                  |
| $f_{pmax}$                       | (mm)                  | 1.5                                         | 1.5        | 1.5     | 1.5     | 1.5        | 1.5       | 1.5            | 1.5                | 1.5               | 1.5                  |
| Inclusive modes                  |                       | contact                                     | contact    | contact | contact | contact    | contact   | contact        | contact            | contact           | contact              |

|                                     |      |
|-------------------------------------|------|
| Maximum Power (mW)                  | 144  |
| Maximum Power (mW/cm <sup>2</sup> ) | 68   |
| Maximum Power (mW/cm <sup>2</sup> ) | 25   |
| Maximum Power (mW/cm <sup>2</sup> ) | 154  |
| Maximum Power (mW/cm <sup>2</sup> ) | 1445 |
| Maximum Power (mW/cm <sup>2</sup> ) | 874  |
| Maximum Power (mW/cm <sup>2</sup> ) | 1848 |
| Maximum Power (mW/cm <sup>2</sup> ) | 156  |
| Maximum Power (mW/cm <sup>2</sup> ) | 1525 |
| Maximum Power (mW/cm <sup>2</sup> ) | 192  |
| Maximum Power (mW/cm <sup>2</sup> ) | 1158 |
| Maximum Power (mW/cm <sup>2</sup> ) | 1763 |

Данные по акустической мощности

Table 204.103 - Acoustic output recording table

| Index label                    |                                             | MI   | TIS                            |                                | TIB                            | TIC      |
|--------------------------------|---------------------------------------------|------|--------------------------------|--------------------------------|--------------------------------|----------|
| Maximum Index Value            |                                             | 1.6  | Scan                           | Non-scan                       | Non-scan                       | 2.3      |
|                                |                                             |      | $A_{eq} \text{ (cm}^2\text{)}$ | $A_{eq} \text{ (cm}^2\text{)}$ | $A_{eq} \text{ (cm}^2\text{)}$ |          |
| Associated acoustic parameters | $P_{r,ave}$<br>(MPa)                        | 2.6  |                                |                                |                                |          |
|                                | $P$<br>(mW)                                 |      | 92                             | -                              | -                              | 283      |
|                                | Min of $[P_r(x, y), I_{out}(x, y)]$<br>(mW) |      |                                | -                              | -                              |          |
|                                | $Z_{ss}$<br>(cm)                            |      |                                | -                              | -                              |          |
|                                | $f_{H0}$<br>(cm)                            |      |                                | -                              | -                              |          |
|                                | $F_{H0}$<br>(cm)                            |      |                                | -                              | -                              |          |
|                                | $F_H$ at max. $I_{H0}$<br>(cm)              | 4.5  |                                | -                              | -                              |          |
| control                        | $A_{ref}(x, y)$<br>(cm)                     |      |                                | -                              | -                              |          |
|                                | Dim of $A_{ref}$<br>(MHz)                   | 2.6  | 2.8                            | -                              | -                              | 2.0      |
|                                | Dim of $A_{ref}$<br>(cm)                    | 2.4  | -                              | -                              | -                              | 6.7      |
|                                | X<br>(cm)                                   | 1.1  | -                              | -                              | -                              | 1.1      |
|                                | Y<br>(cm)                                   |      |                                | -                              | -                              |          |
|                                | $f_d$<br>(Hz)                               | 0.50 |                                | -                              | -                              |          |
|                                | per<br>(Hz)                                 | 2240 |                                | -                              | -                              |          |
| Other Information              | $P_r$ at max. $I_H$<br>(MPa)                | 3.6  |                                | -                              | -                              |          |
|                                | $A_H$ at max. $I_H$<br>(cm)                 |      |                                | -                              | -                              |          |
|                                | $F_{H0}$ at max. MI<br>(W/cm <sup>2</sup> ) | 483  |                                | -                              | -                              |          |
|                                | Focal Length<br>FLx<br>(cm)                 |      | 1.2                            | -                              | -                              | 9.9      |
|                                | FLy<br>(cm)                                 |      | 5.5                            | -                              | -                              | 4.0      |
|                                | PWR%                                        | 100  | 100                            | -                              | -                              | 100      |
|                                | B                                           |      |                                | -                              | -                              | B        |
| Operating conditions           | Tx Mode<br>THU(2.1)                         |      | FND                            | -                              | -                              | THU(2.1) |
|                                | Wave Mode<br>High                           |      | Std                            | -                              | -                              | Preset   |
|                                | Frequency (B)<br>F3                         |      | F1                             | -                              | -                              | F6       |
|                                | Focus (B)<br>100                            |      | 25                             | -                              | -                              | 100      |
|                                | Scan's (B)<br>Range                         | 30.0 | 4.0                            | -                              | -                              | 30.0     |
|                                | PRF Limit<br>ON                             | OFF  | -                              | -                              | -                              | ON       |
|                                | Line Density<br>Low                         |      | High                           | -                              | -                              | Low      |
|                                | Pulse Mode<br>n/a                           |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Ref. Frequency (Color)<br>n/a               |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Focus (Color)<br>n/a                        |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Flow's (Color)<br>(cm/s)                    |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Color Velocity Range<br>(cm/s)              |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Picket Size<br>n/a                          |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Pulse Area Depth<br>n/a                     |      | n/a                            | n/a                            | n/a                            | n/a      |
| Triplex VET Range              | Color Line Density<br>n/a                   |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Pw Mode<br>n/a                              |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | High PRF<br>n/a                             |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Ref. Frequency (D)<br>n/a                   |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Focus (D)<br>n/a                            |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Doppler Velocity Range<br>(cm/s)            |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Sample gate size<br>n/a                     |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Sample gate depth<br>n/a                    |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Triplex Frame Rate<br>n/a                   |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Triplex VET Range<br>n/a                    |      | n/a                            | n/a                            | n/a                            | n/a      |
|                                | Pulse Area Lock<br>n/a                      |      | n/a                            | n/a                            | n/a                            | n/a      |

NOTE 1 : Data should only be entered in one of the columns related to TIS

NOTE 2 : Information need not be provided regarding TIC for any "non-scan" mode, it not intended for "non-scan" or "non-scan" mode

NOTE 3 : If the requirements of 20112.4.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 : If the requirements of 20112.4.2b are met, it is not required to enter any data in the columns related to MI.

|        | 1970-1979                                                                                                                         | 1980-1989 | 1990-1999 | 2000-2009 | 2010-2019 | 2020-2029 |
|--------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| NOTE 1 | Data should only be entered in one of the columns related to TIS                                                                  |           |           |           |           |           |
| NOTE 2 | Information used not provided regarding TIC for any transaction; answer not intended for transactional or occasional capital uses |           |           |           |           |           |
| NOTE 3 | If the requirements of 201.124.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.        |           |           |           |           |           |
| NOTE 4 | If the requirements of 201.124.2b are met, it is not required to enter any data in the columns related to M, TIS, TIB or TIC.     |           |           |           |           |           |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| SI               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                            | MI                   | Scan | TDS |     | TTB    | TRC    |
|--------------------------------|--------------------------------------------|----------------------|------|-----|-----|--------|--------|
| Maximum Index Value            |                                            | 1.4                  | -    | -   | 1.2 | 3.4    | 2.3    |
| Associated acoustic parameters | $P_{1,0}$                                  | (MPa)                | 2.3  |     |     |        |        |
|                                | $P_{1,0}$                                  | (mW)                 |      | -   |     |        |        |
|                                | Min of $[P_1(x, y), I_{\text{max}}(x, y)]$ | (mW)                 |      | -   | 98  | 124    | 160    |
|                                | $F_{10}$                                   | (cm)                 |      |     | 2.8 |        |        |
|                                | $F_{10}$                                   | (cm)                 |      |     | 2.8 |        |        |
|                                | $F_{10}$                                   | (cm)                 |      |     |     | 4.9    |        |
|                                | $F_{10}$ at max. $I_{\text{max}}$          | (cm)                 | 4.3  |     |     |        |        |
|                                | $I_{\text{max}}(x, y)$                     | (cm)                 |      |     |     | 0.40   |        |
| Other Information              | Dim of $A_{\text{ant}}$                    | (MHz)                | 2.5  | -   | -   | 2.5    | 2.1    |
|                                | X                                          | (cm)                 |      | -   | -   | 2.4    | 1.8    |
|                                | Y                                          | (cm)                 |      | -   | -   | 1.1    | 1.1    |
|                                | $f_d$                                      | (gmscc)              | 1.5  |     |     |        |        |
|                                | $f_{\text{err}}$                           | (Hz)                 | 407  |     |     |        |        |
|                                | $P_{10}$ at max. $I_{\text{max}}$          | (MPa)                | 3.2  |     |     |        |        |
|                                | $I_{\text{max}}$ at max. $I_{\text{max}}$  | (cm)                 |      |     |     | 0.36   |        |
|                                | $I_{\text{max}}$ at max. $MI$              | (W/cm <sup>2</sup> ) | 511  |     |     |        |        |
| Operating control conditions   | Focal Length                               | (cm)                 |      | -   | -   | 11     | 7.2    |
|                                | $F_{1x}$                                   | (cm)                 |      | -   | -   | 4.5    | 4.0    |
|                                | $F_{1y}$                                   | (cm)                 |      | -   | -   | 100    | 100    |
|                                | PWR%                                       | (%)                  | 100  | -   | -   | Pwr    | Pwr    |
|                                | Tx Mode                                    |                      | Pwr  | -   | -   | Pwr    | Pwr    |
|                                | Wave Mode                                  |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Frequency (B)                              |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Focus (B)                                  |                      | n/a  | n/a | n/a | n/a    | n/a    |
| Operating control conditions   | Scans (B)                                  | (%)                  | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Range                                      | (cm)                 | n/a  | n/a | n/a | n/a    | n/a    |
|                                | PRF Limit                                  |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Line Density                               |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Flow Mode                                  |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Ref. Frequency (Color)                     |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Focus (Color)                              |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Flow's (Color)                             | (%)                  | n/a  | n/a | n/a | n/a    | n/a    |
| Operating control conditions   | Color Velocity Range                       | (cm/s)               | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Packet Size                                |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Flow Arm Depth                             | (cm)                 | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Color Line Density                         |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Pw Mode                                    |                      | PW   | -   | -   | PW     | PW     |
|                                | High PRF                                   |                      | OFF  | -   | -   | OFF    | OFF    |
|                                | Ref. Frequency (D)                         |                      | Std  | -   | -   | Std    | Pracet |
|                                | Focus (D)                                  |                      | F3   | -   | -   | F7     | F4     |
| Operating control conditions   | Doppler Velocity Range                     | (cm/s)               | 6.23 | -   | -   | 177.31 | 36.22  |
|                                | Sample gate size                           | (cm)                 | 0.1  | -   | -   | 0.1    | 0.1    |
|                                | Sample gate depth                          | (cm)                 | 3.4  | -   | -   | 11.4   | 7.4    |
|                                | Triplets Frame Rate                        |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Triplets VEL Range                         |                      | n/a  | n/a | n/a | n/a    | n/a    |
|                                | Flow Area Lock                             |                      | n/a  | n/a | n/a | n/a    | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TIR or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MC.

NOTE 5. Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\sigma$                    | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T/I              | 40% or 0.4, whichever larger |

Table 204.102 - *Ascaris suum* suspensions table

| Index label                    |                                                          | MT      | TDS  |                                                                                 | TJB      | TTC     |
|--------------------------------|----------------------------------------------------------|---------|------|---------------------------------------------------------------------------------|----------|---------|
| Maximum Index Value            |                                                          | 1.6     | Scan | Non-scan<br>$A_{\text{ave}} < 1 \text{ cm}^3$ $A_{\text{ave}} > 1 \text{ cm}^3$ | Non-scan |         |
| Associated acoustic parameters | $P_{\text{max}}$ (MPa)                                   | 2.6     | -    | -                                                                               | 1.1      | 3.3     |
|                                | $P_{\text{ave}}$ (mW)                                    |         | -    | -                                                                               |          | 124     |
|                                | Min of $[P_{\text{ave}}(t_s), I_{\text{max}}(t_s)]$ (mW) |         |      |                                                                                 | 93       |         |
|                                | $I_{\text{ave}}$ (cm)                                    |         |      |                                                                                 | 3.0      |         |
|                                | $I_{\text{max}}$ (cm)                                    |         |      |                                                                                 | 2.9      |         |
|                                | $I_{\text{ave}}$ (cm)                                    |         |      |                                                                                 | 5.1      |         |
|                                | $I_{\text{max}}$ (cm)                                    | 4.5     |      |                                                                                 |          |         |
|                                | $I_{\text{ave}}$ (cm)                                    |         |      |                                                                                 | 8.42     |         |
|                                | $I_{\text{max}}$ (cm)                                    |         | -    | -                                                                               | 2.5      | 2.5     |
|                                | $I_{\text{ave}}$ (cm)                                    | 2.6     | -    | -                                                                               | 2.7      | 1.9     |
| Other                          | Dim of $A_{\text{ave}}$                                  | X       | -    | -                                                                               | 1.1      | 1.1     |
|                                | Y                                                        | Y       | -    | -                                                                               |          |         |
| Information                    | $I_{\text{g}}$ (junc)                                    | 0.50    |      |                                                                                 |          |         |
|                                | $f_{\text{PRF}}$ (Hz)                                    | 2003    |      |                                                                                 |          |         |
|                                | $P_{\text{ave}}$ at max. $I_{\text{PR}}$ (MPa)           | 3.6     |      |                                                                                 |          |         |
|                                | $I_{\text{ave}}$ at max. $I_{\text{PR}}$ (cm)            |         |      |                                                                                 | 0.38     |         |
|                                | $I_{\text{max}}$ at max. $MT$ (W/cm <sup>2</sup> )       | 483     |      | -                                                                               | 1.2      | 1.1     |
| Operating control conditions   | Focal Length                                             | FLx     | -    | -                                                                               | 5.0      |         |
|                                | FLy                                                      |         | -    | -                                                                               |          |         |
|                                | PRF (%)                                                  |         | -    | -                                                                               | 100      | 100     |
|                                | Tx Mode                                                  | M       | -    | -                                                                               | M        | M       |
|                                | Wave Mode                                                | TH(P-1) | -    | -                                                                               | TH(P-1)  | TH(P-1) |
|                                | Frequency (B)                                            | High    | -    | -                                                                               | High     | Preset  |
|                                | Focus (B)                                                | F3      | -    | -                                                                               | F7       | F4      |
|                                | Scan# (B)                                                | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Range (cm)                                               | 30.0    | -    | -                                                                               | 30.0     | 30.0    |
|                                | PRF Limit                                                | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Line Density                                             | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Flow Mode                                                | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Ref. Frequency (Color)                                   | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Focus (Color)                                            | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Flow# (Color)                                            | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Color Velocity Range (cm/s)                              | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Packet Size                                              | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Flow Area Depth                                          | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Color Line Density                                       | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Pw Mode                                                  | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | High PRF                                                 | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Ref. Frequency (D)                                       | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Focus (D)                                                | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Doppler Velocity Range (cm/s)                            | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Sample gate size (cm)                                    | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Sample gate depth (cm)                                   | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Triplex Frame Rate                                       | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Triplex VEL Range                                        | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |
|                                | Flow Area Lock                                           | n/a     | n/a  | n/a                                                                             | n/a      | n/a     |

NOTE 1 Data should only be entered if one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12A.2a are met, it is not required to enter any data in the columns related to TTS, TBH or TIC.

**NOTE 4** If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5: Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $I_{\sigma}$                | 4.875% |

| Display accuracy |                              |
|------------------|------------------------------|
| M7               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table

| Index label                    |                                       | M/I                  | Scan   | TDS    | TTH    | TTC    |
|--------------------------------|---------------------------------------|----------------------|--------|--------|--------|--------|
| Maximum Index Value            |                                       | 1.6                  | -      | 1.0    | -      | 2.5    |
| Associated acoustic parameters | $P_{1,a}$                             | (MPa)                | -      | -      | -      | -      |
|                                | $P_{1,a}$                             | (mW)                 | -      | -      | -      | -      |
|                                | Min of $[P_{1,a}(x,z), I_{a,a}(x,z)]$ | (mW)                 | -      | 69     | -      | 84     |
|                                | $I_{a,a}$                             | (cm)                 | -      | -      | -      | -      |
|                                | $I_{a,a}$                             | (cm)                 | -      | -      | -      | -      |
|                                | $I_{a,a}$                             | (cm)                 | -      | -      | -      | -      |
|                                | $I_{a,a}$ at max. $I_{a,a}$           | (cm)                 | 4.5    | -      | -      | 1.4    |
|                                | $I_{a,a}(x,z)$                        | (cm)                 | -      | -      | -      | -      |
|                                | $I_{a,a}(x,z)$                        | (cm)                 | B-2.55 | -      | D-3.05 | 0.45   |
|                                | $I_{a,a}$                             | (cm)                 | -      | -      | 0.67   | 0.67   |
| Other                          | Dim of $I_{a,a}$                      | (cm)                 | -      | -      | 1.1    | 1.1    |
|                                | X                                     | (cm)                 | -      | -      | -      | -      |
|                                | Y                                     | (cm)                 | -      | -      | -      | -      |
|                                | $I_{a,a}$                             | (cm)                 | 0.50   | -      | -      | -      |
|                                | $P_{1,a}$ at max. $I_{a,a}$           | (Hz)                 | 7176   | -      | -      | -      |
|                                | $I_{a,a}$ at max. $I_{a,a}$           | (MPa)                | 3.16   | -      | -      | -      |
|                                | $I_{a,a}$ at max. $I_{a,a}$           | (cm)                 | -      | -      | -      | -      |
|                                | $I_{a,a}$ at max. $I_{a,a}$           | (W/cm <sup>2</sup> ) | 483    | -      | -      | 0.42   |
|                                | $I_{a,a}$                             | (cm)                 | -      | -      | -      | -      |
|                                | Information                           | Focal Length         | (cm)   | -      | -      | -      |
| $F_{1,x}$                      |                                       | (cm)                 | -      | -      | -      | -      |
| $F_{1,y}$                      |                                       | (cm)                 | -      | -      | -      | -      |
| PWR%                           |                                       | (%)                  | 100    | -      | 100    | 100    |
| Ts Mode                        |                                       | (%)                  | -      | -      | -      | -      |
| Wave Mode                      |                                       | (%)                  | -      | -      | -      | -      |
| Frequency (B)                  |                                       | (Hz)                 | High   | High   | High   | High   |
| Focus (B)                      |                                       | (cm)                 | F2     | F2     | F2     | F1     |
| Scan# (B)                      |                                       | (%)                  | F3     | F3     | F3     | F1     |
| Range                          |                                       | (cm)                 | 30.0   | 27     | 27     | 27     |
| Operating control conditions   | PRF Limit                             | (cm)                 | OFF    | OFF    | OFF    | OFF    |
|                                | Line Density                          | (cm)                 | Low    | Low    | Low    | Low    |
|                                | Flow Mode                             | (cm)                 | Flow   | Flow   | Flow   | Flow   |
|                                | Ref. Frequency (Color)                | (cm)                 | Penet  | Penet  | Penet  | Penet  |
|                                | Focus (Color)                         | (cm)                 | F7     | F1     | F4     | F1     |
|                                | Flow% (Color)                         | (%)                  | 15     | 15     | 15     | 15     |
|                                | Color Velocity Range                  | (cm/s)               | 41.60  | 49.80  | 27.96  | 36.64  |
|                                | Packet Size                           | (cm)                 | Low    | Medium | Low    | High   |
|                                | Flow Area Depth                       | (cm)                 | 30.0   | 7.0    | 30.0   | 9.0    |
|                                | Color Line Density                    | (cm)                 | 1      | 2      | 1      | 3      |
| Flow Area Lock                 | Pw Mode                               | (cm)                 | PW     | PW     | PW     | PW     |
|                                | High PRF                              | (cm)                 | OFF    | OFF    | OFF    | OFF    |
|                                | Ref. Frequency (D)                    | (cm)                 | Penet  | Penet  | Penet  | Penet  |
|                                | Focus (D)                             | (cm)                 | F2     | F1     | F1     | F1     |
|                                | Doppler Velocity Range                | (cm/s)               | 106.25 | 79.69  | 199.22 | 36.22  |
|                                | Sample gate size                      | (cm)                 | 0.1    | 0.1    | 0.1    | 0.1    |
|                                | Sample gate depth                     | (cm)                 | 1.4    | 0.0    | 0.0    | 0.0    |
|                                | Sample gate width                     | (cm)                 | 1.4    | 0.0    | 0.0    | 0.0    |
|                                | Triplets Frame Rate                   | (cm)                 | Medium | Medium | Medium | Medium |
|                                | Triplets VTL Range                    | (cm)                 | Bfix   | Bfix   | Bfix   | Bfix   |
| Flow Area Lock                 | (cm)                                  | OFF                  | OFF    | OFF    | OFF    |        |

NOTE 1 Data should only be entered in one of the columns related to TS

NOTE 2 Information need not be provided regarding TTC for any transducer assembly not intended for transducer or manual capable use

NOTE 3 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to TTH or TTC.

NOTE 4 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to TDS or TTT.

NOTE 5 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 6 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 7 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 8 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 9 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 10 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 11 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 12 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 13 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 14 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 15 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 16 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 17 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 18 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 19 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 20 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 21 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 22 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 23 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 24 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

NOTE 25 If the requirements of 2011.4.2.4 are met, it is not required to enter any data in the column related to M/I.

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NOTE 234 If the requirements of 2011.4.2.4 are met, it

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transistors assembly not intended for transcranial or neonatal cathodic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

**NOTE 5** Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $\alpha$                    | 48.75% |

| Display accuracy |                               |
|------------------|-------------------------------|
| MI               | 20% or 0.2, whichever larger  |
| TT               | 4.0% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                   | <i>MI</i>            | TIS       |           | <i>TIB</i> | <i>TTC</i> |
|--------------------------------|-----------------------------------|----------------------|-----------|-----------|------------|------------|
| Maximum Index Value            |                                   | 1.6                  | 1.3       | -         | -          | 2.4        |
| Associated acoustic parameters | $P_{r,a}$                         | (MPa)                | 2.6       | -         | -          | -          |
|                                | $P$                               | (mW)                 | 95        | -         | -          | 167        |
|                                | Min of $[P_{r,a}(t), I_{w,a}(t)]$ | (mW)                 | -         | -         | -          | -          |
|                                | $I_a$                             | (cm)                 | -         | -         | -          | -          |
|                                | $I_w$                             | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$                             | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | 4.5       | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
| Other                          | $f_{max}$                         | (MHz)                | B-2.55    | B-2.55    | -          | B-2.2.1    |
|                                | $f_{max}$                         | (MHz)                | 1.8       | -         | -          | 2.1        |
|                                | Dim of $A_{wp}$                   | (cm)                 | 1.1       | -         | -          | 1.1        |
|                                | $I_a$                             | (junc)               | 0.50      | -         | -          | -          |
|                                | $f_{max}$                         | (Hz)                 | 2825      | -         | -          | -          |
|                                | $P_r$ at max. $I_{p,a}$           | (MPa)                | 3.6       | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
|                                | $I_a$ at max. $I_{p,a}$           | (cm)                 | -         | -         | -          | -          |
| Information                    | $f_{max}$ at max. $MI$            | (W/cm <sup>2</sup> ) | 483       | -         | -          | -          |
|                                | $f_{max}$ at max. $MI$            | (cm)                 | 1.2       | -         | -          | 1.1        |
|                                | $f_{max}$ at max. $MI$            | (cm)                 | 5.5       | -         | -          | 4.0        |
|                                | $f_{max}$ at max. $MI$            | (cm)                 | 100       | -         | -          | 100        |
|                                | $f_{max}$ at max. $MI$            | (%)                  | B-Flow    | B-Flow    | -          | -          |
|                                | $f_{max}$ at max. $MI$            | (%)                  | High      | High      | -          | -          |
|                                | $f_{max}$ at max. $MI$            | (%)                  | TH(P 2.1) | TH(P 2.1) | -          | -          |
|                                | $f_{max}$ at max. $MI$            | (%)                  | TH(P 2.1) | TH(P 2.1) | -          | -          |
|                                | $f_{max}$ at max. $MI$            | (%)                  | TH(P 2.1) | TH(P 2.1) | -          | -          |
|                                | $f_{max}$ at max. $MI$            | (%)                  | TH(P 2.1) | TH(P 2.1) | -          | -          |
| Operating control conditions   | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
|                                | Wave Mode                         | (cm)                 | 100       | -         | -          | -          |
| Flow Area Lock                 | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |
|                                | Flow Area Lock                    | (cm)                 | 100       | -         | -          | -          |

NOTE 1 : Data should only be entered if one of the columns related to TIS

NOTE 2 : Information not required for reporting TIS for any column

NOTE 3 : If the maximum value of  $f_{max}$  is not required to enter any data in the column related to TIS, TIB or TTC.

NOTE 4 : If the maximum value of  $f_{max}$  is not required to enter any data in the column related to TIS, TIB or TTC.

NOTE 5 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 6 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 7 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 8 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 9 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 10 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 11 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 12 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 13 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 14 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 15 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 16 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 17 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 18 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 19 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 20 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 21 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 22 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 23 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 24 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 25 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 26 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 27 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE 28 : Flow Length of 20112.425 m is not required to enter any data in the column related to MI.

NOTE: Data should only be entered in one of the columns related to TES

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TSS, TSS or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_p$                       |
| $D$                         |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

Convex

C253  
Acoustic power is controllable by the user.

| Parameter                        | Mode     | B <sub>0</sub> | B <sub>90deg</sub> | M <sub>0</sub> | M <sub>90deg</sub> | D <sub>0</sub> | D <sub>90deg</sub> | (B+Color)P  | (B+Color)Ippa |
|----------------------------------|----------|----------------|--------------------|----------------|--------------------|----------------|--------------------|-------------|---------------|
| Maximum power                    | (mW)     | 65             | 105                | 38             | 59                 | 54             | 88                 | 36          | 80            |
| p <sub>r</sub>                   | (MPa)    | 3.7            | 2.5                | 3.7            | 2.4                | 4.3            | 1.0                | 4.3         | 2.7           |
| I <sub>0</sub>                   | (mW/cm²) | 39             | 82                 | 23             | 36                 | 34             | 46                 | 25          | 53            |
| I <sub>ppa</sub>                 | (mW/cm²) | 13             | 108                | 626            | 822                | 1013           | 1562               | 9.1         | 132           |
| PWR%                             | (%)      | 100            | 100                | 100            | 100                | 100            | 100                | 100         | 100           |
| Tx Mode                          |          | B              | B                  | M              | M                  | Pw             | Pw                 | B+Flow      | B+Flow        |
| Wave Mode                        |          | FND            | THP(FMT)           | FND            | THP(FMT)           | n/a            | n/a                | FND         | THP(FMT)      |
| Frequency (B)                    |          | Reso           | Reso               | High           | High               | n/a            | n/a                | Reso        | Reso          |
| Focus (B)                        |          | F3             | F2                 | F3             | F3                 | n/a            | n/a                | F1          | F2            |
| Scatn% (B)                       | (%)      | 100            | 25                 | n/a            | n/a                | n/a            | n/a                | 100         | 25            |
| Range                            | (cm)     | 40.0           | 12.0               | 40.0           | 30.0               | n/a            | n/a                | 40.0        | 30.0          |
| PRF Limit                        |          | ON             | OFF                | n/a            | n/a                | n/a            | n/a                | ON          | OFF           |
| Line Density                     |          | Low            | High               | n/a            | n/a                | n/a            | n/a                | Low         | High          |
| Flow Mode                        |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | Flow        | Flow          |
| Ref. Frequency (Color)           |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | Reso        | Penet         |
| Focus (Color)                    |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | F3          | F3            |
| Flow% (Color)                    | (%)      | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | 100         | 15            |
| Color Velocity Range             | (cm/s)   | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | 0.63        | 39.84         |
| Pocket Size                      |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | Low         | High          |
| Flow Area Depth                  | (cm)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | 40.0        | 30.0          |
| Color Line Density               |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | 1           | 3             |
| Pw Mode                          |          | n/a            | n/a                | n/a            | n/a                | OFF            | OFF                | n/a         | n/a           |
| High PRF                         |          | n/a            | n/a                | n/a            | n/a                | Reso           | Reso               | n/a         | n/a           |
| Ref. Frequency (D)               |          | n/a            | n/a                | n/a            | n/a                | F3             | F3                 | n/a         | n/a           |
| Focus (D)                        |          | n/a            | n/a                | n/a            | n/a                | 6.23           | 120.91             | n/a         | n/a           |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a                | n/a            | n/a                | 0.1            | 0.1                | n/a         | n/a           |
| Sample gate size                 | (cm)     | n/a            | n/a                | n/a            | n/a                | 3.4            | 7.2                | n/a         | n/a           |
| Sample gate depth                | (cm)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Triplex Frame Rate               |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Triplex VEL Range                |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Flow Area Lock                   |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| f <sub>0</sub>                   | (mm)     | 54             | 34                 | 54             | 49                 | 52             | 67                 | 51          | 44            |
| w <sub>0d</sub>                  | (f)      | 2.1            | 2.8                | 2.1            | 2.5                | 2.3            | 2.5                | 2.3         | 3.0           |
| f <sub>0r</sub>                  | (L)      | 3.0            | 4.7                | 3.0            | 3.5                | 3.1            | 3.5                | 3.2         | 3.8           |
| f <sub>0rr</sub> (PRF)           | (Hz)     | n/a            | n/a                | 1004           | 2003               | 501            | 15083              | n/a         | n/a           |
| f <sub>0rr</sub> (SRF)           | (Hz)     | 33             | 115                | n/a            | n/a                | n/a            | n/a                | 5.1         | 14            |
| n <sub>0</sub>                   |          | 1.0            | 1.0                | n/a            | n/a                | n/a            | n/a                | B+L C29     | B+L C13       |
| n <sub>0r</sub>                  |          | 53             | 41                 | n/a            | n/a                | n/a            | n/a                | B29, C15    | B21, C10      |
| Output beam dimensions           | (f)      | 15             | 12                 | 15             | 15                 | 14             | 18                 | 14          | 14            |
| f <sub>0d</sub>                  | (L)      | 11             | 11                 | 11             | 11                 | 11             | 11                 | 11          | 11            |
| f <sub>0r</sub>                  | (MHz)    | 3.4            | 2.0                | 3.4            | 2.6                | 3.1            | 3.1                | 3.0         | 2.1           |
| f <sub>0rr</sub>                 | (%)      | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Acoustic Power-up fraction       |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Power-up mode                    |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Acoustic Initialization fraction | (%)      | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Initialization mode              |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a         | n/a           |
| Acoustic output freeze           |          | Yes            | Yes                | Yes            | Yes                | Yes            | Yes                | Yes         | Yes           |
| f <sub>0</sub>                   | (mm)     | 1.5            | 1.5                | 1.5            | 1.5                | 1.5            | 1.5                | 1.5         | 1.5           |
| f <sub>0r</sub>                  | (mm)     | contact        | contact            | contact        | contact            | contact        | contact            | contact     | contact       |
| Inclusive modes                  |          |                |                    | (B+M)          | (B+M)              | (M+Color)      | (M+Color)          | (B+Color)   | (B+Color)     |
|                                  |          |                |                    | (B+M)          | (B+M)              | (B+D)          | (B+D)              | (B+Color+D) | (B+Color+D)   |

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| f <sub>0</sub>              | 1.00%  |
| f <sub>0r</sub>             | 18.75% |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                       | MI     | TIS      |      | TIB | TTC      |
|--------------------------------|---------------------------------------|--------|----------|------|-----|----------|
| Maximum Index Value            |                                       | 1.6    | 0.59     | -    | -   | 1.7      |
| Associated acoustic parameters | $P_s$                                 | (MPa)  | 2.3      |      |     |          |
|                                | $P$                                   | (mW)   |          | 37   | -   | 43       |
|                                | Min of $ P_s(f_x) $ , $ f_{sc}(f_x) $ | (mW)   |          |      | -   |          |
|                                | $P_s$                                 | (cm)   |          |      | -   |          |
|                                | $P_{sc}$                              | (cm)   |          |      | -   |          |
| Information                    | $f_s$ at max. $I_{ps}$                | (cm)   | 1.2      |      |     | 3.3      |
|                                | $f_{sc}$                              | (cm)   |          |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
| Other                          | Dim of $A_{opt}$                      | (cm)   | 2.0      | 3.4  | -   | 2.5      |
|                                | X                                     | (cm)   | 2.4      | 2.4  | -   | 1.2      |
|                                | Y                                     | (cm)   | 1.1      | 1.1  | -   | 1.1      |
|                                | $I_s$                                 | (μsec) | 0.88     |      |     |          |
|                                | $f_{sc}$                              | (Hz)   | 1483     |      |     |          |
| Information                    | $f_{sc}$ at max. $I_{ps}$             | (cm)   | 2.5      |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
|                                | $f_{sc}$ at max. $I_{ps}$             | (cm)   |          |      |     |          |
| Operating control conditions   | Focus Length                          | (cm)   | 1.3      | -    | -   | 0.30     |
|                                | $ T_L $                               | (cm)   | 6.0      | -    | -   |          |
|                                | $ T_L $                               | (cm)   | 100      | 100  | -   | 100      |
|                                | PWR%                                  | (%)    | B/M      | B/M  | -   | B/M      |
|                                | Tx Mode                               |        | B/M      | B/M  | -   | B/M      |
| Operating control conditions   | Wave Mode                             |        | THT(2mT) | PND  | -   | THT(2mT) |
|                                | Frequency (B)                         |        | Reso     | High | -   | High     |
|                                | Focus (B)                             |        | F1       | F1   | -   | F2       |
|                                | Search (B)                            | (%)    | 100      | 25   | -   | 100      |
|                                | Range                                 | (cm)   | 40.0     | 4.0  | -   | 30.0     |
| Operating control conditions   | PRF Limit                             | (cm)   | ON       | OFF  | -   | ON       |
|                                | Line Density                          |        | Low      | High | -   | Low      |
|                                | Flow Mode                             |        | n/a      | n/a  | n/a | n/a      |
|                                | Ref. Frequency (Color)                |        | n/a      | n/a  | n/a | n/a      |
|                                | Focus (Color)                         |        | n/a      | n/a  | n/a | n/a      |
| Operating control conditions   | Flow% (Color)                         | (%)    | n/a      | n/a  | n/a | n/a      |
|                                | Color Velocity Range                  | (cm/s) | n/a      | n/a  | n/a | n/a      |
|                                | Packed Size                           |        | n/a      | n/a  | n/a | n/a      |
|                                | Flow Area Depth                       | (cm)   | n/a      | n/a  | n/a | n/a      |
|                                | Color Line Density                    |        | n/a      | n/a  | n/a | n/a      |
| Operating control conditions   | Pw Mode                               |        | n/a      | n/a  | n/a | n/a      |
|                                | High PRF                              |        | n/a      | n/a  | n/a | n/a      |
|                                | Ref. Frequency (D)                    |        | n/a      | n/a  | n/a | n/a      |
|                                | Focus (D)                             |        | n/a      | n/a  | n/a | n/a      |
|                                | Doppler Velocity Range                | (cm/s) | n/a      | n/a  | n/a | n/a      |
| Operating control conditions   | Sample gate size                      | (cm)   | n/a      | n/a  | n/a | n/a      |
|                                | Sample gate depth                     | (cm)   | n/a      | n/a  | n/a | n/a      |
|                                | Triplets Frame Rate                   |        | n/a      | n/a  | n/a | n/a      |
|                                | Triplets VET Range                    |        | n/a      | n/a  | n/a | n/a      |
|                                | Flow Area Lock                        |        | n/a      | n/a  | n/a | n/a      |

NOTE 1 Data should only be entered if one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any instances currently not intended for transpositional or internal capital uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to ME.

NOTE 1 Data should only be entered in one of the columns related to T25

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Information need not be provided regarding TAC for any transducer assembly not intended for transduction of mechanical output.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to the MFL.

NOTE 4 If the requirements of 201.12.4.2b are

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\sigma$                    | 18.75% |

| Display accuracy |                               |
|------------------|-------------------------------|
| M/I              | 20% or 0.2, whichever larger  |
| size             | 4.0% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

|                                | Index label                               | MT        | TIS                              |                                | TIB | TTC      |
|--------------------------------|-------------------------------------------|-----------|----------------------------------|--------------------------------|-----|----------|
|                                |                                           |           | Scan                             | Non-scan                       |     |          |
| Maximum Index Value            |                                           |           | $A_{avg} \leq 1 \text{ cm}^{-1}$ | $A_{avg}^{-1} \text{ cm}^{-1}$ |     |          |
| Associated acoustic parameters | $P_{r,a}$ (mW)                            | 1.6       | 0.69                             | -                              | -   | 1.9      |
|                                | $P_r$ (mW)                                | 2.1       |                                  |                                |     |          |
|                                | Min of $[P_r(t_1), I_{r,a}(t_2)]$ (mW)    |           | 43                               | -                              | -   | 235      |
|                                | $P_{r,a}$ (cm)                            |           |                                  | -                              | -   |          |
|                                | $I_{r,a}$ (cm)                            |           |                                  | -                              | -   |          |
|                                | $P_r$ (cm)                                |           |                                  | -                              | -   |          |
|                                | $I_r$ at max. $I_{r,a}$ (cm)              | 2.9       |                                  |                                | -   |          |
|                                | $A_{avg}(t_1)$ (cm)                       |           |                                  |                                | -   |          |
|                                | $I_{r,a}$ (MHz)                           | 1.7       | 3.4                              | -                              | -   | 2.1      |
|                                | Dim of $A_{avg}$ (cm)                     |           | 2.4                              | -                              | -   | 6.7      |
| Other Information              | X                                         |           | 1.1                              | -                              | -   | 1.1      |
|                                | Y                                         |           |                                  | -                              | -   |          |
|                                | $I_r$ (junc)                              | 1.7       |                                  |                                | -   |          |
|                                | $P_r$ at max. $I_r$ (Hz)                  | 1687      |                                  |                                | -   |          |
|                                | $P_r$ at max. $I_r$ (MPa)                 | 2.3       |                                  |                                | -   |          |
|                                | $I_r$ at max. $I_r$ (cm)                  |           |                                  |                                | -   |          |
|                                | $I_{r,a}$ at max. MT (W/cm <sup>2</sup> ) | 319       |                                  |                                | -   |          |
|                                | Focal Length (cm)                         |           | 1.3                              | -                              | -   | 10       |
|                                | FLx (cm)                                  |           | 6.0                              | -                              | -   | 4.0      |
|                                | FLy (cm)                                  |           | 100                              | 100                            | -   | 100      |
| Operating control conditions   | PWR%                                      |           |                                  | -                              | -   |          |
|                                | Tx Mode (%)                               | CHI/Moni  | B                                | -                              | -   | B        |
|                                | Wave Mode                                 | CHI(M, L) | PND                              | -                              | -   | THI(PmT) |
|                                | Frequency (B)                             | Reso      | High                             | -                              | -   | Reso     |
|                                | Focus (B)                                 | F1        | F1                               | -                              | -   | F6       |
|                                | Scan's (B)                                | 100       | 25                               | -                              | -   | 100      |
|                                | Range (%)                                 | 30.0      | 4.0                              | -                              | -   | 40.0     |
|                                | PRF Limit (cm)                            | ON        | OFF                              | -                              | -   | ON       |
|                                | Line Density                              | High      | High                             | -                              | -   | Low      |
|                                | Flow Mode                                 | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Ref. Frequency (Color)                    | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Focus (Color)                             | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Flow's (Color)                            | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Color Velocity Range (cm/s)               | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Picket Size                               | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Flow Area Depth (cm)                      | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Color Line Density                        | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Pw Mode                                   | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | High PRF                                  | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Ref. Frequency (I)                        | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Focus (I)                                 | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Doppler Velocity Range (cm/s)             | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Sample gate size (cm)                     | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Sample gate depth (cm)                    | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Triplets Frame Rate                       | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Triplets VTL Range                        | n/a       | n/a                              | n/a                            | n/a | n/a      |
|                                | Flow Area Lock                            | n/a       | n/a                              | n/a                            | n/a | n/a      |

NOTE 1. Data would only be entered in one of the columns related to TIS.

NOTE 2. Information need not be provided regarding TTD for any transducer assembly not intended for transcranial or recorded supraline, unless otherwise specified.

NOTE 3. If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4. If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MT.

NOTE 1 Data should only be entered in one of the columns related to TIS

2. Information need not be provided regarding TIC for any transmission system if not intended for transmission or reception of signals.

NOTE 3. If the measurements of 2011/12 A 2 are not, it is not required to enter any data in the columns related to TTS, TH or TIC.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to ME.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 4 If the requirements of 201.12.4.25 are

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\text{ph}}$             | 37.14% |
| $D$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| V/I              | 60% or 0.4, whichever larger |



Table 201.103 - Acoustic output reporting table

| Index label                       | TIS |      | TIB      |          | TIC |
|-----------------------------------|-----|------|----------|----------|-----|
|                                   | MT  | Scan | Non-scan | Non-scan |     |
| Maximum Index Value               | 1.6 | -    | 0.89     | -        | 1.8 |
| $P_{r,e}$                         | 2.5 | -    | 62       | -        | 68  |
| $P_r$                             |     |      |          |          |     |
| Min of $[P_r(f_a), I_{a,a}(f_a)]$ |     |      |          |          |     |
| $I_{a,a}$                         |     |      |          |          |     |
| $I_{a,b}$                         |     |      |          |          |     |
| $I_{a,c}$                         |     |      |          |          |     |
| $I_{a,d}$                         |     |      |          |          |     |
| $I_{a,e}$                         |     |      |          |          |     |
| $I_{a,f}$                         |     |      |          |          |     |
| $I_{a,g}$                         |     |      |          |          |     |
| $I_{a,h}$                         |     |      |          |          |     |
| $I_{a,i}$                         |     |      |          |          |     |
| $I_{a,j}$                         |     |      |          |          |     |
| $I_{a,k}$                         |     |      |          |          |     |
| $I_{a,l}$                         |     |      |          |          |     |
| $I_{a,m}$                         |     |      |          |          |     |
| $I_{a,n}$                         |     |      |          |          |     |
| $I_{a,o}$                         |     |      |          |          |     |
| $I_{a,p}$                         |     |      |          |          |     |
| $I_{a,q}$                         |     |      |          |          |     |
| $I_{a,r}$                         |     |      |          |          |     |
| $I_{a,s}$                         |     |      |          |          |     |
| $I_{a,t}$                         |     |      |          |          |     |
| $I_{a,u}$                         |     |      |          |          |     |
| $I_{a,v}$                         |     |      |          |          |     |
| $I_{a,w}$                         |     |      |          |          |     |
| $I_{a,x}$                         |     |      |          |          |     |
| $I_{a,y}$                         |     |      |          |          |     |
| $I_{a,z}$                         |     |      |          |          |     |
| $I_{a,aa}$                        |     |      |          |          |     |
| $I_{a,ab}$                        |     |      |          |          |     |
| $I_{a,ac}$                        |     |      |          |          |     |
| $I_{a,ad}$                        |     |      |          |          |     |
| $I_{a,ae}$                        |     |      |          |          |     |
| $I_{a,af}$                        |     |      |          |          |     |
| $I_{a,ag}$                        |     |      |          |          |     |
| $I_{a,ah}$                        |     |      |          |          |     |
| $I_{a,ai}$                        |     |      |          |          |     |
| $I_{a,aj}$                        |     |      |          |          |     |
| $I_{a,ak}$                        |     |      |          |          |     |
| $I_{a,al}$                        |     |      |          |          |     |
| $I_{a,am}$                        |     |      |          |          |     |
| $I_{a,an}$                        |     |      |          |          |     |
| $I_{a,ao}$                        |     |      |          |          |     |
| $I_{a,ap}$                        |     |      |          |          |     |
| $I_{a,aq}$                        |     |      |          |          |     |
| $I_{a,ar}$                        |     |      |          |          |     |
| $I_{a,as}$                        |     |      |          |          |     |
| $I_{a,at}$                        |     |      |          |          |     |
| $I_{a,au}$                        |     |      |          |          |     |
| $I_{a,av}$                        |     |      |          |          |     |
| $I_{a,aw}$                        |     |      |          |          |     |
| $I_{a,ax}$                        |     |      |          |          |     |
| $I_{a,ay}$                        |     |      |          |          |     |
| $I_{a,az}$                        |     |      |          |          |     |
| $I_{a,ba}$                        |     |      |          |          |     |
| $I_{a,bb}$                        |     |      |          |          |     |
| $I_{a,bc}$                        |     |      |          |          |     |
| $I_{a,bd}$                        |     |      |          |          |     |
| $I_{a,bd}$                        |     |      |          |          |     |
| $I_{a,be}$                        |     |      |          |          |     |
| $I_{a,bf}$                        |     |      |          |          |     |
| $I_{a,bg}$                        |     |      |          |          |     |
| $I_{a,bh}$                        |     |      |          |          |     |
| $I_{a,bi}$                        |     |      |          |          |     |
| $I_{a,bj}$                        |     |      |          |          |     |
| $I_{a,bk}$                        |     |      |          |          |     |
| $I_{a,bl}$                        |     |      |          |          |     |
| $I_{a,bm}$                        |     |      |          |          |     |
| $I_{a,bn}$                        |     |      |          |          |     |
| $I_{a,bo}$                        |     |      |          |          |     |
| $I_{a,bp}$                        |     |      |          |          |     |
| $I_{a,bq}$                        |     |      |          |          |     |
| $I_{a,br}$                        |     |      |          |          |     |
| $I_{a,bs}$                        |     |      |          |          |     |
| $I_{a,bt}$                        |     |      |          |          |     |
| $I_{a,bu}$                        |     |      |          |          |     |
| $I_{a,bv}$                        |     |      |          |          |     |
| $I_{a,bw}$                        |     |      |          |          |     |
| $I_{a,bx}$                        |     |      |          |          |     |
| $I_{a,by}$                        |     |      |          |          |     |
| $I_{a,bz}$                        |     |      |          |          |     |
| $I_{a,ca}$                        |     |      |          |          |     |
| $I_{a,cb}$                        |     |      |          |          |     |
| $I_{a,cc}$                        |     |      |          |          |     |
| $I_{a,cd}$                        |     |      |          |          |     |
| $I_{a,ce}$                        |     |      |          |          |     |
| $I_{a,cf}$                        |     |      |          |          |     |
| $I_{a,cf}$                        |     |      |          |          |     |
| $I_{a,cg}$                        |     |      |          |          |     |
| $I_{a,ch}$                        |     |      |          |          |     |
| $I_{a,ci}$                        |     |      |          |          |     |
| $I_{a,cj}$                        |     |      |          |          |     |
| $I_{a,ck}$                        |     |      |          |          |     |
| $I_{a,cl}$                        |     |      |          |          |     |
| $I_{a,cm}$                        |     |      |          |          |     |
| $I_{a,cn}$                        |     |      |          |          |     |
| $I_{a,co}$                        |     |      |          |          |     |
| $I_{a,cp}$                        |     |      |          |          |     |
| $I_{a,cq}$                        |     |      |          |          |     |
| $I_{a,cr}$                        |     |      |          |          |     |
| $I_{a,cs}$                        |     |      |          |          |     |
| $I_{a,ct}$                        |     |      |          |          |     |
| $I_{a,cu}$                        |     |      |          |          |     |
| $I_{a,cv}$                        |     |      |          |          |     |
| $I_{a,cw}$                        |     |      |          |          |     |
| $I_{a,cx}$                        |     |      |          |          |     |
| $I_{a,cy}$                        |     |      |          |          |     |
| $I_{a,cz}$                        |     |      |          |          |     |
| $I_{a,da}$                        |     |      |          |          |     |
| $I_{a,db}$                        |     |      |          |          |     |
| $I_{a,dc}$                        |     |      |          |          |     |
| $I_{a,dd}$                        |     |      |          |          |     |
| $I_{a,de}$                        |     |      |          |          |     |
| $I_{a,df}$                        |     |      |          |          |     |
| $I_{a,df}$                        |     |      |          |          |     |
| $I_{a,dg}$                        |     |      |          |          |     |
| $I_{a,dh}$                        |     |      |          |          |     |
| $I_{a,di}$                        |     |      |          |          |     |
| $I_{a,dj}$                        |     |      |          |          |     |
| $I_{a,dk}$                        |     |      |          |          |     |
| $I_{a,dl}$                        |     |      |          |          |     |
| $I_{a,dm}$                        |     |      |          |          |     |
| $I_{a,dn}$                        |     |      |          |          |     |
| $I_{a,do}$                        |     |      |          |          |     |
| $I_{a,dp}$                        |     |      |          |          |     |
| $I_{a,dq}$                        |     |      |          |          |     |
| $I_{a,dr}$                        |     |      |          |          |     |
| $I_{a,ds}$                        |     |      |          |          |     |
| $I_{a,dt}$                        |     |      |          |          |     |
| $I_{a,du}$                        |     |      |          |          |     |
| $I_{a,dv}$                        |     |      |          |          |     |
| $I_{a,dw}$                        |     |      |          |          |     |
| $I_{a,dx}$                        |     |      |          |          |     |
| $I_{a,dy}$                        |     |      |          |          |     |
| $I_{a,dz}$                        |     |      |          |          |     |
| $I_{a,ea}$                        |     |      |          |          |     |
| $I_{a,eb}$                        |     |      |          |          |     |
| $I_{a,ec}$                        |     |      |          |          |     |
| $I_{a,ed}$                        |     |      |          |          |     |
| $I_{a,ee}$                        |     |      |          |          |     |
| $I_{a,ef}$                        |     |      |          |          |     |
| $I_{a,ef}$                        |     |      |          |          |     |
| $I_{a,eg}$                        |     |      |          |          |     |
| $I_{a,eh}$                        |     |      |          |          |     |
| $I_{a,ei}$                        |     |      |          |          |     |
| $I_{a,ej}$                        |     |      |          |          |     |
| $I_{a,ek}$                        |     |      |          |          |     |
| $I_{a,el}$                        |     |      |          |          |     |
| $I_{a,em}$                        |     |      |          |          |     |
| $I_{a,en}$                        |     |      |          |          |     |
| $I_{a,eo}$                        |     |      |          |          |     |
| $I_{a,ep}$                        |     |      |          |          |     |
| $I_{a,eq}$                        |     |      |          |          |     |
| $I_{a,er}$                        |     |      |          |          |     |
| $I_{a,es}$                        |     |      |          |          |     |
| $I_{a,et}$                        |     |      |          |          |     |
| $I_{a,eu}$                        |     |      |          |          |     |
| $I_{a,ev}$                        |     |      |          |          |     |
| $I_{a,ew}$                        |     |      |          |          |     |
| $I_{a,ex}$                        |     |      |          |          |     |
| $I_{a,ey}$                        |     |      |          |          |     |
| $I_{a,ez}$                        |     |      |          |          |     |
| $I_{a,fa}$                        |     |      |          |          |     |
| $I_{a,fb}$                        |     |      |          |          |     |
| $I_{a,fc}$                        |     |      |          |          |     |
| $I_{a,fd}$                        |     |      |          |          |     |
| $I_{a,fe}$                        |     |      |          |          |     |
| $I_{a,ff}$                        |     |      |          |          |     |
| $I_{a,ff}$                        |     |      |          |          |     |
| $I_{a,fg}$                        |     |      |          |          |     |
| $I_{a,fh}$                        |     |      |          |          |     |
| $I_{a,fi}$                        |     |      |          |          |     |
| $I_{a,fj}$                        |     |      |          |          |     |
| $I_{a,fk}$                        |     |      |          |          |     |
| $I_{a,fl}$                        |     |      |          |          |     |
| $I_{a,fm}$                        |     |      |          |          |     |
| $I_{a,fn}$                        |     |      |          |          |     |
| $I_{a,fo}$                        |     |      |          |          |     |
| $I_{a,fp}$                        |     |      |          |          |     |
| $I_{a,fq}$                        |     |      |          |          |     |
| $I_{a,fr}$                        |     |      |          |          |     |
| $I_{a,fs}$                        |     |      |          |          |     |
| $I_{a,ft}$                        |     |      |          |          |     |
| $I_{a,fu}$                        |     |      |          |          |     |
| $I_{a,fv}$                        |     |      |          |          |     |
| $I_{a,fw}$                        |     |      |          |          |     |
| $I_{a,fx}$                        |     |      |          |          |     |
| $I_{a,fy}$                        |     |      |          |          |     |
| $I_{a,fz}$                        |     |      |          |          |     |
| $I_{a,ga}$                        |     |      |          |          |     |
| $I_{a,gb}$                        |     |      |          |          |     |
| $I_{a,gc}$                        |     |      |          |          |     |
| $I_{a,gd}$                        |     |      |          |          |     |
| $I_{a,ge}$                        |     |      |          |          |     |
| $I_{a,gf}$                        |     |      |          |          |     |
| $I_{a,gf}$                        |     |      |          |          |     |
| $I_{a,gg}$                        |     |      |          |          |     |
| $I_{a,gh}$                        |     |      |          |          |     |
| $I_{a,gi}$                        |     |      |          |          |     |
| $I_{a,gj}$                        |     |      |          |          |     |
| $I_{a,gk}$                        |     |      |          |          |     |
| $I_{a,gl}$                        |     |      |          |          |     |
| $I_{a,gm}$                        |     |      |          |          |     |
| $I_{a,gn}$                        |     |      |          |          |     |
| $I_{a,go}$                        |     |      |          |          |     |
| $I_{a,gp}$                        |     |      |          |          |     |
| $I_{a,gq}$                        |     |      |          |          |     |
| $I_{a,gr}$                        |     |      |          |          |     |
| $I_{a,gs}$                        |     |      |          |          |     |
| $I_{a,gt}$                        |     |      |          |          |     |
| $I_{a,gu}$                        |     |      |          |          |     |
| $I_{a,gv}$                        |     |      |          |          |     |
| $I_{a,gw}$                        |     |      |          |          |     |
| $I_{a,gx}$                        |     |      |          |          |     |
| $I_{a,gy}$                        |     |      |          |          |     |
| $I_{a,gz}$                        |     |      |          |          |     |
| $I_{a,ha}$                        |     |      |          |          |     |
| $I_{a,hb}$                        |     |      |          |          |     |
| $I_{a,hc}$                        |     |      |          |          |     |
| $I_{a,hd}$                        |     |      |          |          |     |
| $I_{a,he}$                        |     |      |          |          |     |
| $I_{a,hf}$                        |     |      |          |          |     |
| $I_{a,hf}$                        |     |      |          |          |     |
| $I_{a,hg}$                        |     |      |          |          |     |
| $I_{a,hh}$                        |     |      |          |          |     |
| $I_{a,hi}$                        |     |      |          |          |     |
| $I_{a,hj}$                        |     |      |          |          |     |
| $I_{a,hk}$                        |     |      |          |          |     |
| $I_{a,hl}$                        |     |      |          |          |     |
| $I_{a,hm}$                        |     |      |          |          |     |
| $I_{a,hn}$                        |     |      |          |          |     |
| $I_{a,ho}$                        |     |      |          |          |     |
| $I_{a,hp}$                        |     |      |          |          |     |
| $I_{a,hq}$                        |     |      |          |          |     |
| $I_{a,hr}$                        |     |      |          |          |     |
| $I_{a,hs}$                        |     |      |          |          |     |
| $I_{a,ht}$                        |     |      |          |          |     |
| $I_{a,hu}$                        |     |      |          |          |     |
| $I_{a,hv}$                        |     |      |          |          |     |
| $I_{a,hw}$                        |     |      |          |          |     |
| $I_{a,hx}$                        |     |      |          |          |     |
| $I_{a,hy}$                        |     |      |          |          |     |
| $I_{a,hz}$                        |     |      |          |          |     |
| $I_{a,ia}$                        |     |      |          |          |     |
| $I_{a,ib}$                        |     |      |          |          |     |
| $I_{a,ic}$                        |     |      |          |          |     |
| $I_{a,id}$                        |     |      |          |          |     |
| $I_{a,ie}$                        |     |      |          |          |     |
| $I_{a,if}$                        |     |      |          |          |     |
| $I_{a,if}$                        |     |      |          |          |     |
| $I_{a,ig}$                        |     |      |          |          |     |
| $I_{a,ih}$                        |     |      |          |          |     |
| $I_{a,ii}$                        |     |      |          |          |     |
| $I_{a,ij}$                        |     |      |          |          |     |
| $I_{a,ik}$                        |     |      |          |          |     |
| $I_{a,il}$                        |     |      |          |          |     |
| $I_{a,im}$                        |     |      |          |          |     |
| $I_{a,in}$                        |     |      |          |          |     |
| $I_{a,io}$                        |     |      |          |          |     |
| $I_{a,ip}$                        |     |      |          |          |     |
| $I_{a,iq}$                        |     |      |          |          |     |
| $I_{a,ir}$                        |     |      |          |          |     |
| $I_{a,is}$                        |     |      |          |          |     |
| $I_{a,it}$                        |     |      |          |          |     |
| $I_{a,iu}$                        |     |      |          |          |     |
| $I_{a,iv}$                        |     |      |          |          |     |
| $I_{a,iw}$                        |     |      |          |          |     |
| $I_{a,ix}$                        |     |      |          |          |     |
| $I_{a,iy}$                        |     |      |          |          |     |
| $I_{a,iz}$                        |     |      |          |          |     |
| $I_{a,ja}$                        |     |      |          |          |     |
| $I_{a,jb}$                        |     |      |          |          |     |
| $I_{a,jc}$                        |     |      |          |          |     |
| $I_{a,jd}$                        |     |      |          |          |     |
| $I_{a,je}$                        |     |      |          |          |     |
| $I_{a,jf}$                        |     |      |          |          |     |
| $I_{a,jf}$                        |     |      |          |          |     |
| $I_{a,jg}$                        |     |      |          |          |     |
| $I_{a,jh}$                        |     |      |          |          |     |
| $I_{a,ji}$                        |     |      |          |          |     |
| $I_{a,jj}$                        |     |      |          |          |     |
| $I_{a,jk}$                        |     |      |          |          |     |
| $I_{a,jl}$                        |     |      |          |          |     |
| $I_{a,jm}$                        |     |      |          |          |     |
| $I_{a,jn}$                        |     |      |          |          |     |
| $I_{a,jo}$                        |     |      |          |          |     |
| $I_{a,jp}$                        |     |      |          |          |     |
| $I_{a,jq}$                        |     |      |          |          |     |
| $I_{a,jr}$                        |     |      |          |          |     |
| $I_{a,js}$                        |     |      |          |          |     |
| $I_{a,jt}$                        |     |      |          |          |     |
| $I_{a,ju}$                        |     |      |          |          |     |
| $I_{a,jv}$                        |     |      |          |          |     |
| $I_{a,jw}$                        |     |      |          |          |     |
| $I_{a,jx}$                        |     |      |          |          |     |
| $I_{a,jy}$                        |     |      |          |          |     |
| $I_{a,jz}$                        |     |      |          |          |     |
| $I_{a,ka}$                        |     |      |          |          |     |
| $I_{a,kb}$                        |     |      |          |          |     |
| $I_{a,kc}$                        |     |      |          |          |     |
| $I_{a,kd}$                        |     |      |          |          |     |
| $I_{a,ke}$                        |     |      |          |          |     |
| $I_{a,kf}$                        |     |      |          |          |     |
| $I_{a,kf}$                        |     |      |          |          |     |
| $I_{a,kg}$                        |     |      |          |          |     |
| $I_{a,kh}$                        |     |      |          |          |     |
| $I_{a,ki}$                        | </  |      |          |          |     |





Table 201.100 - Assets subject reporting table

| Index label                    |                                                          | MI    | Scan  | TTS  | TTB   | TTC |
|--------------------------------|----------------------------------------------------------|-------|-------|------|-------|-----|
| Maximum Index Value            |                                                          | 1.6   | -     | 0.79 | -     | 1.7 |
| Associated acoustic parameters | $P_{r,a}$                                                | (MPa) | -     | -    | -     | -   |
|                                | $P$                                                      | (mW)  | 2.5   | -    | 55    | 66  |
|                                | $\text{Min of } [P_{r,a}, I_{\text{max}}, I_{\text{a}}]$ | (mW)  | -     | -    | -     | -   |
|                                | $F_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_{\text{ap}}$                                          | (cm)  | -     | -    | -     | -   |
|                                | $F_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$ at max. $I_{\text{max}}$                           | (cm)  | 4.4   | -    | -     | 1.4 |
|                                | $I_a$ at max. $I_{\text{max}}$                           | (cm)  | -     | -    | -     | -   |
|                                | $I_a$ at max. $I_{\text{max}}$                           | (cm)  | -     | -    | -     | -   |
|                                | $I_a$ at max. $I_{\text{max}}$                           | (cm)  | -     | -    | -     | -   |
| Other                          | $f_{\text{max}}$                                         | (MHz) | C2.53 | -    | D3.03 | -   |
|                                | Dim of $A_{\text{ap}}$                                   | (cm)  | -     | -    | 0.67  | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | 1.1   | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | 1.1 |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
| Information                    | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
| Operating control conditions   | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
| Non-scan                       | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
| TTS                            | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
| TTC                            | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |
|                                | $I_a$                                                    | (cm)  | -     | -    | -     | -   |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TTC for any transducers unless not intended for transducer or measured amplification

NOTE 3 If the requirements of 201.12.4.20 are met, it is not required to enter any data in the columns related to TTS, TTB or TTD.

NOTE 4 If the requirements of 201.12.4.20 are met, it is not required to enter any data in the columns related to MI.

NOTE 5 Information need not be provided regarding TTC for any transducers unless not intended for transducer or measured amplification

NOTE 6 If the requirements of 201.12.4.20 are met, it is not required to enter any data in the columns related to TTS, TTB or TTD.

NOTE 7 If the requirements of 201.12.4.20 are met, it is not required to enter any data in the columns related to MI.

**NOTE 1** Data should only be entered in one of the columns related to TDS

**NOTE 2** Information need not be provided regarding TIO for any transaction assuming not intended for transactional or nontransactional capital gains

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

**NOTE 5** Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\sigma$                    | 4.875% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

**APPROVED FOR RELEASE - CIA INTERNAL USE ONLY**

| Index label                    |                               | MI                   | Scan   | TIS       | TIB | TTC       |
|--------------------------------|-------------------------------|----------------------|--------|-----------|-----|-----------|
| Maximum Index Value            |                               | 1.6                  | 0.87   | -         | -   | 1.4       |
| Associated acoustic parameters | $P_{r,s}$                     | (MPa)                |        |           |     |           |
|                                | $P$                           | (mW)                 | 61     |           |     | 97        |
|                                | Min of $[P_r(x), I_{r,s}(x)]$ | (mW)                 |        |           |     |           |
|                                | $z_r$                         | (cm)                 |        |           |     |           |
|                                | $F_{r,s}$                     | (cm)                 |        |           |     |           |
|                                | $F_s$                         | (cm)                 |        |           |     |           |
|                                | $F_s$ at max. $I_{r,s}$       | (cm)                 |        |           |     |           |
|                                | $f_{r,s}$                     | (cm)                 | 4.4    |           |     |           |
|                                | $f_{r,s}$ at $f_{r,s}$        | (cm)                 |        |           |     |           |
|                                | $f_{r,s}$                     | (MHz)                | C:2.53 | B:3.4;C:3 |     | B:2;C:2.5 |
| Other                          | Dm of $I_{r,s}$               | (cm)                 | 1.7    |           |     | 1.9       |
|                                | $I_{r,s}$                     | (cm)                 | 1.1    |           |     | 1.1       |
|                                | $I_{r,s}$                     | (uac)                | 0.60   |           |     |           |
|                                | $g_{r,s}$                     | (Hz)                 | 716    |           |     |           |
|                                | $F_s$ at max. $I_{r,s}$       | (MPa)                | 3.5    |           |     |           |
|                                | $F_s$ at max. $I_{r,s}$       | (cm)                 |        |           |     |           |
|                                | $F_{r,s}$ at max. $MI$        | (W/cm <sup>2</sup> ) | 688    |           |     |           |
|                                | $F_{r,s}$ at max. $MI$        | (cm)                 |        |           |     |           |
|                                | $F_{r,s}$ at max. $MI$        | (cm)                 | 1.2    |           |     | 1.2       |
|                                | $F_{r,s}$ at max. $MI$        | (cm)                 | 5.0    |           |     | 4.5       |
| Operating control conditions   | PRFR%                         | (%)                  | 100    | 100       |     | 100       |
|                                | TX Mode                       | B/Flow               | B/Flow |           |     | B/Flow    |
|                                | Wave Mode                     | THI(PmT)             | PND    |           |     | THI(PmT)  |
|                                | Frequency (B)                 | Reno                 | High   |           |     | Reno      |
|                                | Focus (B)                     | F1                   | F1     |           |     | F1        |
|                                | Scans (B)                     | 100                  | 25     |           |     | 25        |
|                                | Range                         | 40.0                 | 4.0    |           |     | 10.0      |
|                                | PRF Limit                     | ON                   | OFF    |           |     | OFF       |
|                                | Line Density                  | Low                  | Medium |           |     | Low       |
|                                | Flow Mode                     | eFlow                | Flow   |           |     | Flow      |
| Flow                           | Ref. Frequency (Color)        | Std                  | Reno   |           |     | Std       |
|                                | Focus (Color)                 | F3                   | F1     |           |     | F1        |
|                                | Flow's (Color)                | 100                  | 15     |           |     | 15        |
|                                | Color Velocity Range          | 0.63                 | 69.29  |           |     | 44.27     |
|                                | Picket Size                   | Low                  | Medium |           |     | Low       |
|                                | Flow Area Depth               | 40.0                 | 4.0    |           |     | 10.0      |
|                                | Color Line Density            | 1                    | 2      |           |     | 1         |
|                                | Flow Mode                     | n/a                  | n/a    | n/a       | n/a | n/a       |
|                                | High PRF                      | n/a                  | n/a    | n/a       | n/a | n/a       |
|                                | Ref. Frequency (D)            | n/a                  | n/a    | n/a       | n/a | n/a       |
| Flow                           | Focus (D)                     | n/a                  | n/a    | n/a       | n/a | n/a       |
|                                | Doppler Velocity Range        | (cm/s)               | n/a    | n/a       | n/a | n/a       |
|                                | Sample gate size              | (cm)                 | n/a    | n/a       | n/a | n/a       |
|                                | Sample gate depth             | (cm)                 | n/a    | n/a       | n/a | n/a       |
|                                | Triple Pulse Rate             | (cm)                 | n/a    | n/a       | n/a | n/a       |
|                                | Triple Pulse Rate             | (cm)                 | n/a    | n/a       | n/a | n/a       |
|                                | Triple Pulse Rate             | (cm)                 | n/a    | n/a       | n/a | n/a       |
|                                | Flow Area Lock                | n/a                  | n/a    | n/a       | n/a | n/a       |
|                                | Flow Area Lock                | n/a                  | n/a    | n/a       | n/a | n/a       |
|                                | Flow Area Lock                | n/a                  | n/a    | n/a       | n/a | n/a       |

NOTE 1 Data should only be entered if entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TTC for any Transducer assembly not intended for transcranial or neonatal cephalic use

NOTE 3 If the requirements of 201.12.2.2 are met, it is not required to enter any data in the column related to TIS, TIB or TTC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MI.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transacrylic anion, y not intended for transacrylic or neonatal metabolic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TSS, TDS or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

**NOTE 5** Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\alpha$                    | 4.875% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

C35 Convex

Acoustic power is controllable by the user.

| parameter                        | B <sub>0</sub> | B <sub>100</sub> | M <sub>0</sub> | M <sub>100</sub> | D <sub>0</sub> | D <sub>100</sub> | (M+Color)P | (M+Color)Iappa | (B+D) <sub>0</sub> | (B+D) <sub>100</sub> | (B+Color)P | (B+Color)Iappa | (B+Color+D)P | (B+Color+D)Iappa |
|----------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|------------|----------------|--------------------|----------------------|------------|----------------|--------------|------------------|
| Maximum power                    | 37             | 104              | 16             | 55               | 18             | 62               | 42         | 67             | 11                 | 65                   | 66         | 98             | 21           | 65               |
| P <sub>0</sub>                   | 4.2            | 3.1              | 3.9            | 3.9              | 1.2            | 1.2              | 4.7        | 2.4            | 4.2                | 3.2                  | 4.7        | 3.1            | 4.7          | 3.7              |
| P <sub>100</sub>                 | 54             | 154              | 24             | 57               | 26             | 64               | 43         | 69             | 21                 | 77                   | 100        | 196            | 37           | 67               |
| I <sub>0</sub>                   | 187            | 462              | 462            | 966              | 705            | 1745             | 958        | 1627           | 173                | 1537                 | 53         | 228            | 283          | 1608             |
| PWR%                             | 100            | 100              | 100            | 100              | 100            | 100              | 100        | 100            | 100                | 100                  | 100        | 100            | 100          | 100              |
| Tx Mode                          | B              | B                | M              | M                | Pw             | Pw               | M/Flow     | M/Flow         | B/Pw               | B/Pw                 | B/Pw       | B/Pw           | B/Pw         | B/Pw             |
| Wave Mode                        | FND            | FND              | FND            | THRP L           | n/a            | n/a              | -          | -              | FND                | FND                  | FND        | FND            | FND          | FND              |
| Frequency (B)                    | Std            | Prset            | Std            | High             | n/a            | n/a              | n/a        | n/a            | Std                | Prset                | Prset      | Prset          | Prset        | Prset            |
| Focus (B)                        | F2             | F2               | F2             | F3               | n/a            | n/a              | n/a        | n/a            | F2                 | F1                   | F1         | F2             | F1           | F2               |
| Scan% (B)                        | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | 100                | 25                   | 100        | 25             | 100          | 27               |
| Range                            | 6.0            | 30.0             | 30.0           | 30.0             | n/a            | n/a              | 30.0       | 22.0           | 30.0               | 22.0                 | 6.0        | 30.0           | 30.0         | 24.0             |
| PRF Limit                        | ON             | OFF              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | ON                 | OFF                  | OFF        | OFF            | ON           | OFF              |
| Line Density                     | High           | High             | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | Low                | High                 | Low        | High           | Low          | Medium           |
| Flow Mode                        | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Ref. Frequency (Color)           | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Focus (Color)                    | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Flow% (Color)                    | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Color Velocity Range             | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Picket Size                      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Flow Area Depth                  | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Color Line Density               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Pw Mode                          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| High PRF                         | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Ref. Frequency (D)               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Focus (D)                        | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Doppler Velocity Range           | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Sample gate size                 | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Sample gate depth                | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Triplex Frame Rate               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Triplex VSL Range                | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| Flow Area Lock                   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow           | n/a                | n/a                  | Flow       | Flow           | Flow         | Flow             |
| f <sub>0</sub>                   | 31             | 28               | 31             | 43               | 30             | 46               | 46         | 46             | 31                 | 46                   | 46         | 18             | 46           | 46               |
| W <sub>90dB</sub>                | 1.6            | 1.9              | 1.6            | 2.3              | 1.6            | 1.8              | 1.9        | 1.9            | 1.6                | 1.8                  | 1.9        | 1.9            | 1.9          | 1.8              |
| PRF (PRF)                        | 2.4            | 2.7              | 2.4            | 3.5              | 2.3            | 2.8              | 2.9        | 2.9            | 2.4                | 2.8                  | 2.9        | 4.2            | 2.9          | 2.8              |
| SRF (SRF)                        | 41             | 165              | 1002           | 2003             | 651            | 22222            | 1302       | 8772           | 3.4                | 17                   | 36         | 22             | 1.5          | n/a              |
| f <sub>0</sub>                   | 1.0            | 1.0              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | 1.0                | 1.0                  | 1.0        | 1.0            | 1.0          | 1.0              |
| f <sub>0</sub>                   | 55             | 48               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | 55                 | 25                   | 13         | 6.6            | 13           | 13               |
| Output beam dimensions           | 9.3            | 9.3              | 9.3            | 13               | 9.3            | 13               | 13         | 13             | 9.3                | 13                   | 13         | 13             | 13           | 13               |
| f <sub>0</sub>                   | 7.3            | 7.3              | 7.3            | 7.3              | 7.3            | 7.3              | 7.3        | 7.3            | 7.3                | 7.3                  | 7.3        | 7.3            | 7.3          | 7.3              |
| f <sub>0</sub>                   | 4.1            | 3.2              | 4.1            | 2.9              | 4.0            | 4.0              | 3.9        | 3.9            | 4.1                | 4.0                  | 3.9        | 3.0            | 3.9          | 4.0              |
| Acoustic Power-up fraction       | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a          | n/a              |
| Power-up mode                    | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a          | n/a              |
| Acoustic Initialization fraction | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a          | n/a              |
| Initialization mode              | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a          | n/a              |
| Acoustic output freeze           | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes        | Yes            | Yes                | Yes                  | Yes        | Yes            | Yes          | Yes              |
| f <sub>0</sub>                   | 1.1            | 1.1              | 1.1            | 1.1              | 1.1            | 1.1              | 1.1        | 1.1            | 1.1                | 1.1                  | 1.1        | 1.1            | 1.1          | 1.1              |
| Inclusive modes                  | contact        | contact          | contact (B+M)  | contact (B+M)    | contact        | contact          | contact    | contact        | contact            | contact              | contact    | contact        | contact      | contact          |

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| f <sub>0</sub>              | 37.14% |
| f <sub>0</sub>              | 18.75% |



Table 201.140 - Australia export reporting table

[illegible]

NOTE: Data should only be entered in one of the columns related to TIS.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                   | M/I                  | TDS    |          | TIB | TTC    |
|-------------------------------|----------------------|--------|----------|-----|--------|
|                               |                      | Scan   | Non-scan |     |        |
| Maximum Index Value           | 1.6                  | 1.1    | -        | -   | 2.1    |
| $f_{c,a}$                     | 2.7                  | -      | -        | -   | -      |
| $P$                           | (mW)                 | 77     | -        | -   | 120    |
| Min of $[P_{a(t)}, I_{a(t)}]$ | (mW)                 | -      | -        | -   | -      |
| $P_a$                         | (cm)                 | -      | -        | -   | -      |
| $P_{a0}$                      | (cm)                 | -      | -        | -   | -      |
| $f_b$                         | (cm)                 | -      | -        | -   | -      |
| $a$ at max. $I_{c,a}$         | (cm)                 | -      | -        | -   | -      |
| $a_d(f_{c,a})$                | (cm)                 | 2.5    | -        | -   | -      |
| $f_{nd}$                      | (MHz)                | -      | -        | -   | -      |
| Dim of $A_{opt}$              | (cm)                 | 3.0    | -        | -   | 3.0    |
|                               | (cm)                 | 2.2    | -        | -   | 2.2    |
|                               | (cm)                 | 0.73   | -        | -   | 0.73   |
| $f_{c,e}$                     | (Hz)                 | 0.44   | -        | -   | -      |
| $g_{PT}$                      | (Hz)                 | 2269   | -        | -   | -      |
| $p$ at max. $I_{\mu}$         | (MPa)                | 3.3    | -        | -   | -      |
| $d_{\mu}$ at max. $I_{\mu}$   | (cm)                 | -      | -        | -   | -      |
| $I_{\mu}$ at max. $d_{\mu}$   | (W/cm <sup>2</sup> ) | 431    | -        | -   | -      |
| Focal Length                  | (cm)                 | -      | -        | -   | -      |
| FLX                           | (cm)                 | 1.2    | -        | -   | 1.2    |
| FLY                           | (cm)                 | 3.1    | -        | -   | 3.1    |
| PWR%                          | (%)                  | 100    | -        | -   | 100    |
| Tx Mode                       | (%)                  | B      | -        | -   | B      |
| Wave Mode                     | THU(2.1)             | PND    | -        | -   | PND    |
| Frequency (B)                 | High                 | Preset | -        | -   | Preset |
| Focus (B)                     | F2                   | F1     | -        | -   | F1     |
| Scatter (B)                   | 100                  | 25     | -        | -   | 25     |
| Range                         | (cm)                 | 30.0   | 7.0      | -   | 7.0    |
| PRF Limit                     | (cm)                 | ON     | OFF      | -   | OFF    |
| Line Density                  | Low                  | High   | -        | -   | High   |
| Flow Mode                     | Flow                 | Flow   | -        | -   | Flow   |
| Ref. Frequency (Color)        | Flow                 | Flow   | -        | -   | Flow   |
| Focus (Color)                 | Flow                 | Flow   | -        | -   | Flow   |
| Flow% (Color)                 | Flow                 | Flow   | -        | -   | Flow   |
| Color Velocity Range          | (cm/s)               | Flow   | Flow     | -   | Flow   |
| Packet Size                   | Flow                 | Flow   | -        | -   | Flow   |
| Flow Area Depth               | (cm)                 | Flow   | Flow     | -   | Flow   |
| Color Line Density            | Flow                 | Flow   | -        | -   | Flow   |
| Pre Mode                      | Flow                 | Flow   | -        | -   | Flow   |
| High PRF                      | Flow                 | Flow   | -        | -   | Flow   |
| Ref. Frequency (D)            | Flow                 | Flow   | -        | -   | Flow   |
| Focus (D)                     | Flow                 | Flow   | -        | -   | Flow   |
| Doppler Velocity Range        | (cm/s)               | Flow   | Flow     | -   | Flow   |
| Sample gate size              | (cm)                 | Flow   | Flow     | -   | Flow   |
| Sample gate depth             | (cm)                 | Flow   | Flow     | -   | Flow   |
| Trigger Frame Rate            | (cm)                 | Flow   | Flow     | -   | Flow   |
| Trigger VEL Range             | (cm)                 | Flow   | Flow     | -   | Flow   |
| Flow Area Lock                | Flow                 | Flow   | -        | -   | Flow   |

NOTE 1: Data should only be entered in one of the columns related to TDS.

NOTE 2: Information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 3: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 4: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 5: Focal Length is a NOMINAL value.

NOTE 6: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 7: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 8: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 9: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

NOTE 10: If information about test procedure regarding TDS for any transducer assembly not included for transducer or associated capsule uses.

|        | 2016                                                                                                                        | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|--------|-----------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| NOTE 1 | Data should only be entered in one of the columns related to TIS                                                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| NOTE 2 | Information need not be provided regarding TIC for any transactions occurring on or after 1/1/2010                          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| NOTE 3 | If the requirements of 2012.12.4.2 are met, it is not required to enter any data in the columns related to TIS, TIS or TIC. |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| NOTE 4 | If the requirements of 2012.12.4.2 are met, it is not required to enter any data in the columns related to TIC, TIS or TIC. |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| NOTE 5 | If the requirements of 2012.12.4.2 are met, it is not required to enter any data in the columns related to TIC, TIS or TIC. |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $B$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                           | MT   | TTS  | TTB      | TTC      |
|---------------------------------------|------|------|----------|----------|
| Maximum Index Value                   | MT   | Scan | Non-scan | Non-scan |
| $P_{1,0}$                             | 1.4  | -    | 1.2      | 2.8      |
| $P_{1,0}$                             | 2.6  | -    | 62       | 117      |
| Min of $[P_{1,0}(f_a), I_{a,0}(f_a)]$ |      |      |          |          |
| Associated acoustic parameters        |      |      |          |          |
| $I_a$                                 |      |      |          |          |
| $I_{a,0}$                             |      |      |          |          |
| $I_a$ at max. $I_{a,0}$               | 2.7  |      |          | 2.7      |
| $I_{a,0}(f_a)$                        |      |      |          |          |
| $f_{a,0}$                             | 3.6  | -    | 4.0      | 3.0      |
| Dim of $A_{ref}$                      |      |      |          |          |
| X                                     |      |      |          |          |
| Y                                     |      |      |          |          |
| $I_a$                                 | 1.0  |      |          |          |
| $P_{1,0}$                             | 592  |      |          |          |
| $P_{1,0}$ at max. $I_{a,0}$           | 3.5  |      |          |          |
| $I_{a,0}$ at max. $I_{a,0}$           |      |      |          | 0.35     |
| Information                           |      |      |          |          |
| $I_{a,0}$ at max. $MT$                | 461  |      |          |          |
| $f_{a,0}$                             |      |      |          | 7.9      |
| $f_{1,0}$                             |      |      |          |          |
| $f_{1,0}$                             |      |      |          | 2.7      |
| PWR%                                  | 100  | -    | 100      | 100      |
| Tx Mode                               | Pw   | -    | Pw       | Pw       |
| Wave Mode                             | n/a  | n/a  | n/a      | n/a      |
| Frequency (B)                         | n/a  | n/a  | n/a      | n/a      |
| Focus (B)                             | n/a  | n/a  | n/a      | n/a      |
| Scan% (B)                             | n/a  | n/a  | n/a      | n/a      |
| Range                                 | n/a  | n/a  | n/a      | n/a      |
| PRF Limit                             | n/a  | n/a  | n/a      | n/a      |
| Line Density                          | n/a  | n/a  | n/a      | n/a      |
| Flow Mode                             | n/a  | n/a  | n/a      | n/a      |
| Ref. Frequency (Color)                | n/a  | n/a  | n/a      | n/a      |
| Focus (Color)                         | n/a  | n/a  | n/a      | n/a      |
| Flow% (Color)                         | n/a  | n/a  | n/a      | n/a      |
| Color Velocity Range                  | n/a  | n/a  | n/a      | n/a      |
| Packet Size                           | n/a  | n/a  | n/a      | n/a      |
| Flow Area Depth                       | n/a  | n/a  | n/a      | n/a      |
| Color Line Density                    | n/a  | n/a  | n/a      | n/a      |
| Pw Mode                               | n/a  | n/a  | n/a      | n/a      |
| High PRF                              | OFF  | -    | OFF      | OFF      |
| Ref. Frequency (D)                    | Ssd  | -    | Ramp     | Prsnt    |
| Focus (D)                             | F2   | -    | F3       | F4       |
| Doppler Velocity Range                | 6.23 | -    | 56.92    | 24.90    |
| Sample gate size                      | 0.1  | -    | 0.1      | 0.1      |
| Sample gate depth                     | 1.6  | -    | 3.6      | 5.6      |
| Triplex Frame Rate                    | n/a  | n/a  | n/a      | n/a      |
| Triplex VEL Range                     | n/a  | n/a  | n/a      | n/a      |
| Flow Area Lock                        | n/a  | n/a  | n/a      | n/a      |

NOTE 1: Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TTS for any transducer status; not intended for transducer or manual update uses

NOTE 3: If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TTB or TTC.

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5: Focal Length is a NOMINAL value

measurement uncertainty (%)

P

I<sub>a</sub>P<sub>1</sub>

Display accuracy

MT

TT

25.00%

37.14%

40% or 0.4, whichever larger

Table 201.103 – Acoustic output reporting table

| Index label                           | MT       | TTS  | TTB      | TTC      |
|---------------------------------------|----------|------|----------|----------|
| Maximum Index Value                   | MT       | Scan | Non-scan | Non-scan |
| $P_{1,0}$                             | 1.6      | -    | 0.78     | 2.1      |
| $P_{1,0}$                             | 2.7      | -    | -        | 55       |
| Min of $[P_{1,0}(f_a), I_{a,0}(f_a)]$ |          |      |          |          |
| Associated acoustic parameters        |          |      |          |          |
| $I_a$                                 |          |      |          |          |
| $I_{a,0}$                             |          |      |          | 2.1      |
| $I_a$ at max. $I_{a,0}$               | 2.5      |      |          | 3.7      |
| $I_{a,0}(f_a)$                        |          |      |          |          |
| $f_{a,0}$                             | 2.9      | -    | 2.9      | 2.9      |
| Dim of $A_{ref}$                      |          |      |          |          |
| X                                     |          |      |          |          |
| Y                                     |          |      |          |          |
| $I_a$                                 | 0.44     |      |          |          |
| $P_{1,0}$                             | 2003     |      |          |          |
| $P_{1,0}$ at max. $I_{a,0}$           | 3.3      |      |          |          |
| $I_{a,0}$ at max. $MT$                |          |      |          | 0.27     |
| Information                           |          |      |          |          |
| $I_{a,0}$ at max. $MT$                | 431      |      |          |          |
| $f_{a,0}$                             |          |      |          | 9.8      |
| $f_{1,0}$                             |          |      |          | 2.7      |
| PWR%                                  | 100      | -    | 100      | 100      |
| Tx Mode                               | M        | -    | M        | M        |
| Wave Mode                             | TH(P.L.) | -    | TH(P.L.) | TH(P.L.) |
| Frequency (B)                         | High     | -    | High     | High     |
| Focus (B)                             | F2       | -    | F6       | F3       |
| Scan% (B)                             | n/a      | n/a  | n/a      | n/a      |
| Range                                 | 30.0     | -    | 30.0     | 30.0     |
| PRF Limit                             | n/a      | n/a  | n/a      | n/a      |
| Line Density                          | n/a      | n/a  | n/a      | n/a      |
| Flow Mode                             | n/a      | n/a  | n/a      | n/a      |
| Ref. Frequency (Color)                | n/a      | n/a  | n/a      | n/a      |
| Focus (Color)                         | n/a      | n/a  | n/a      | n/a      |
| Flow% (Color)                         | n/a      | n/a  | n/a      | n/a      |
| Color Velocity Range                  | n/a      | n/a  | n/a      | n/a      |
| Packet Size                           | n/a      | n/a  | n/a      | n/a      |
| Flow Area Depth                       | n/a      | n/a  | n/a      | n/a      |
| Color Line Density                    | n/a      | n/a  | n/a      | n/a      |
| Pw Mode                               | n/a      | n/a  | n/a      | n/a      |
| High PRF                              | n/a      | n/a  | n/a      | n/a      |
| Ref. Frequency (D)                    | n/a      | n/a  | n/a      | n/a      |
| Focus (D)                             | n/a      | n/a  | n/a      | n/a      |
| Doppler Velocity Range                | n/a      | n/a  | n/a      | n/a      |
| Sample gate size                      | n/a      | n/a  | n/a      | n/a      |
| Sample gate depth                     | n/a      | n/a  | n/a      | n/a      |
| Triplex Frame Rate                    | n/a      | n/a  | n/a      | n/a      |
| Triplex VEL Range                     | n/a      | n/a  | n/a      | n/a      |
| Flow Area Lock                        | n/a      | n/a  | n/a      | n/a      |

NOTE 1: Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TTS for any transducer status; not intended for transducer or manual update uses

NOTE 3: If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TTB or TTC.

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5: Focal Length is a NOMINAL value

measurement uncertainty (%)

P

I<sub>a</sub>P<sub>1</sub>

Display accuracy

MT

TT

25.00%

37.14%

40% or 0.4, whichever larger





Table 281.103 - Accounts output reporting table

|                                | Index label                                                 | M/I        | Scan | TDS                                                                 | TTB      | TTC                 |
|--------------------------------|-------------------------------------------------------------|------------|------|---------------------------------------------------------------------|----------|---------------------|
|                                |                                                             |            |      | $A_{\text{max}} < 1 \text{ cm}^2 / A_{\text{min}} > 1 \text{ cm}^2$ | Non-scan |                     |
| Associated acoustic parameters | Maximum Index Value                                         |            | -    | 0.89                                                                | -        | 2.1                 |
|                                | $P_{\text{r}, \mu}$ (MPa)                                   | 1.6        |      |                                                                     |          |                     |
|                                | $P_{\text{w}}$ (mW)                                         | 2.7        | -    |                                                                     |          |                     |
|                                | Min of $[P_{\text{e}}, f, I_{\text{max}}, f, \lambda]$ (mW) |            | -    | 62                                                                  | 103      | 117                 |
|                                | $F_{\text{a}}$ (cm)                                         |            |      |                                                                     |          |                     |
|                                | $F_{\text{so}}$ (cm)                                        |            |      |                                                                     |          |                     |
|                                | $F_{\text{a}}$ at max. $I_{\text{sa}}$ (cm)                 |            |      |                                                                     | 2.7      |                     |
| Other Information              | $F_{\text{a}}$ at max. $I_{\text{sa}}$ (cm)                 | 2.5        |      |                                                                     |          |                     |
|                                | $I_{\text{d}}$ (dB)                                         |            |      |                                                                     |          |                     |
|                                | $I_{\text{d}}$ at $f_{\text{a}}$ (MHz)                      | B:2.9      | -    | D:3.03                                                              | -        | C:3.03              |
|                                | Dim of $A_{\text{apn}}$ (cm)                                | X          | -    | 1.3                                                                 | -        | 1.7                 |
|                                | $I_{\text{d}}$ (cm)                                         | Y          | -    | 0.73                                                                | -        | 0.73                |
|                                | $I_{\text{d}}$ (dB)                                         | 0.44       |      |                                                                     |          |                     |
|                                | $p_{\text{pr}}$ (Hz)                                        | R38        |      |                                                                     |          |                     |
|                                | $p_{\text{a}}$ at max. $I_{\text{sa}}$ (MPa)                | 3.5        |      |                                                                     |          |                     |
|                                | $p_{\text{a}}$ at max. $I_{\text{sa}}$ (cm)                 |            |      |                                                                     |          | 0.54                |
|                                | $I_{\text{sa}}$ at max. M/I ( $\text{W}/\text{cm}^2$ )      | 443        |      |                                                                     |          |                     |
|                                | Focal Length FLx (cm)                                       |            | -    | 4.4                                                                 | -        | 7.9                 |
|                                | FLy (cm)                                                    |            | -    | 2.7                                                                 | -        | 2.7                 |
|                                | PWR% (%)                                                    |            |      |                                                                     |          |                     |
| Operating control conditions   | TX Mode                                                     | B/F/P/W/Pw | -    | 100                                                                 | -        | B/F/Pw/Pw B/F/Pw/Pw |
|                                | Wave Mode                                                   | THRP/L     | -    | FND                                                                 | -        | FND                 |
|                                | Frequency (B)                                               | H2         | -    | Penet                                                               | -        | Penet               |
|                                | Focus (B)                                                   | F2         | -    | F1                                                                  | -        | F1                  |
|                                | Slew's (B)                                                  | 100        | -    | 25                                                                  | -        | 27                  |
|                                | Range (%)                                                   | 30.0       | -    | 7.0                                                                 | -        | 30.0                |
|                                | PRF Limit ON                                                | ON         | -    | OFF                                                                 | -        | OFF                 |
|                                | Line Density Low                                            | Low        | -    | Medium                                                              | -        | Low                 |
|                                | eFlow eFlow                                                 | eFlow      | -    | eFlow                                                               | -        | eFlow               |
|                                | Flow Mode Ssd                                               | Ssd        | -    | Penet                                                               | -        | Penet               |
|                                | Ref. Frequency (Color)                                      | F1         | -    | F3                                                                  | -        | F2                  |
|                                | Focus (Color)                                               | 100        | -    | 15                                                                  | -        | 15                  |
|                                | Flow's (Color)                                              | 7.02       | -    | 24.71                                                               | -        | 15.32               |
|                                | Color Velocity Range (cm/s)                                 | Low        | -    | High                                                                | -        | Low                 |
|                                | Pocket Size                                                 | 30.0       | -    | 7.0                                                                 | -        | 30.0                |
|                                | Flow Arms Depth                                             | 30.0       | -    | 7.0                                                                 | -        | 28.0                |
|                                | Color Line Density                                          | 1          | -    | 3                                                                   | -        | 1                   |
|                                | Pw Mode PW                                                  | PW         | -    | PW                                                                  | -        | PW                  |
|                                | High PRF OFF                                                | OFF        | -    | OFF                                                                 | -        | OFF                 |
|                                | Ref. Frequency (D) Penet                                    | Penet      | -    | Penet                                                               | -        | Penet               |
|                                | Focus (D) F1                                                | F1         | -    | F3                                                                  | -        | F4                  |
|                                | Doppler Velocity Range (cm/s)                               | 8.30       | -    | 49.80                                                               | -        | 61.30               |
|                                | Sample gate size (cm)                                       | 0.1        | -    | 0.1                                                                 | -        | 0.1                 |
|                                | Sample gate depth (cm)                                      | 1.4        | -    | 3.6                                                                 | -        | 5.6                 |
|                                | Triplets Frame Rate Medium                                  | Medium     | -    | Medium                                                              | -        | Medium              |
|                                | Triplex VBL Range BFix                                      | BFix       | -    | BFix                                                                | -        | BFix                |
|                                | Flow Arms Lock OFF                                          | OFF        | -    | OFF                                                                 | -        | OFF                 |

NOTE 1 Data should only be entered in one of the columns related to TDS.

NOTE 2 Information need not be provided regarding TTC for any transducer variant; not intended for transducer or manual specific uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TDS, TB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 1 Data should only be entered in one of the columns related to ITS

STATEMENT 9 Information used and the resulting narrative TFC for new measures assume a not intended for transnational or regional ecological issues

NOTE 3. If the measurements of 201.12.4.2 are not, it is not required to enter any data in the columns related to TDS, TH or TAC.

NOTE 4 If the requirements of 201.2.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\rho$                      | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 - Assesses output reporting table

| Index label                                                                       | MT       | TTS      |                                                                                 | TTB | TTC      |
|-----------------------------------------------------------------------------------|----------|----------|---------------------------------------------------------------------------------|-----|----------|
|                                                                                   |          | Scan     | Non-scan<br>$A_{\text{max}} < 1 \text{ cm}^2 / A_{\text{max}} < 1 \text{ cm}^2$ |     |          |
| Maximum Index Value                                                               | 1.6      | 1.1      | -                                                                               | -   | 2.0      |
| $P_{\text{r}, \text{a}}$                                                          | (MPa)    | 2.7      | -                                                                               | -   | -        |
| $P_{\text{r}, \text{p}}$                                                          | (mW)     | 81       | -                                                                               | -   | 98       |
| Min of $[P_{\text{r}, \text{a}}, I_{\text{r}, \text{a}}, I_{\text{r}, \text{p}}]$ | (mW)     | -        | -                                                                               | -   | -        |
| $Z_{\text{r}}$                                                                    | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{a}}$                                                          | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{p}}$                                                          | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{a}}$ at max. $I_{\text{r}, \text{a}}$                         | (cm)     | 2.5      | -                                                                               | -   | -        |
| $I_{\text{r}, \text{p}}$ at max. $I_{\text{r}, \text{p}}$                         | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{a}}$ at max. $I_{\text{r}, \text{a}}$                         | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{p}}$ at max. $I_{\text{r}, \text{p}}$                         | (cm)     | -        | -                                                                               | -   | -        |
| Dim of $A_{\text{opt}}$                                                           | (mm)     | B2.9     | -                                                                               | -   | B2.6, C3 |
| Dim of $A_{\text{opt}}$                                                           | (cm)     | 1.6      | -                                                                               | -   | 1.6      |
| Y                                                                                 | (cm)     | 0.73     | -                                                                               | -   | 0.73     |
| $I_{\text{a}}$                                                                    | (μsec)   | 0.44     | -                                                                               | -   | -        |
| $I_{\text{p}}$                                                                    | (Hz)     | 1142     | -                                                                               | -   | -        |
| $I_{\text{r}, \text{a}}$ at max. $I_{\text{r}, \text{a}}$                         | (MPa)    | 3.5      | -                                                                               | -   | -        |
| $I_{\text{r}, \text{p}}$ at max. $I_{\text{r}, \text{p}}$                         | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{a}}$ at max. $I_{\text{r}, \text{a}}$                         | (cm)     | -        | -                                                                               | -   | -        |
| $I_{\text{r}, \text{p}}$ at max. $I_{\text{r}, \text{p}}$                         | (cm)     | -        | -                                                                               | -   | -        |
| Focal Length                                                                      | (mm)     | 443      | -                                                                               | -   | 1.2      |
| $F_{\text{L}, \text{a}}$                                                          | (cm)     | -        | -                                                                               | -   | 1.2      |
| $F_{\text{L}, \text{p}}$                                                          | (cm)     | -        | -                                                                               | -   | 2.7      |
| PWR%                                                                              | (%)      | 100      | -                                                                               | -   | 100      |
| Tx Mode                                                                           | B/F/Flow | B/F/Flow | -                                                                               | -   | B/F/Flow |
| Wave Mode                                                                         | THU(P.L) | FND      | -                                                                               | -   | THU(P.L) |
| Frequency (B)                                                                     | High     | Penet    | -                                                                               | -   | Penet    |
| Focus (B)                                                                         | P2       | P2       | -                                                                               | -   | P1       |
| Scan's (B)                                                                        | 100      | 25       | -                                                                               | -   | 25       |
| Range                                                                             | (%)      | 6.0      | -                                                                               | -   | 5.0      |
| PRF Limit                                                                         | (cm)     | 30.0     | -                                                                               | -   | OFF      |
| Line Density                                                                      | ON       | OFF      | -                                                                               | -   | High     |
| Flow Mode                                                                         | Low      | eFlow    | -                                                                               | -   | eFlow    |
| Ref. Frequency (Color)                                                            | Std      | Penet    | -                                                                               | -   | Penet    |
| Focus (Color)                                                                     | F1       | F1       | -                                                                               | -   | F1       |
| Flow's (Color)                                                                    | 100      | 15       | -                                                                               | -   | 15       |
| Color Velocity Range                                                              | (cm/s)   | 69.29    | -                                                                               | -   | 69.29    |
| Pocket Size                                                                       | Low      | High     | -                                                                               | -   | High     |
| Flow Area Depth                                                                   | (cm)     | 30.0     | -                                                                               | -   | 5.0      |
| Color Line Density                                                                | 1        | 3        | -                                                                               | -   | 3        |
| Pw Mode                                                                           | n/a      | n/a      | -                                                                               | -   | n/a      |
| High PRF                                                                          | n/a      | n/a      | -                                                                               | -   | n/a      |
| Ref. Frequency (D)                                                                | n/a      | n/a      | -                                                                               | -   | n/a      |
| Focus (D)                                                                         | n/a      | n/a      | -                                                                               | -   | n/a      |
| Doppler Velocity Range                                                            | (cm/s)   | n/a      | -                                                                               | -   | n/a      |
| Sample gate size                                                                  | (cm)     | n/a      | -                                                                               | -   | n/a      |
| Sample gate depth                                                                 | (cm)     | n/a      | -                                                                               | -   | n/a      |
| Triplets Frame Rate                                                               | n/a      | n/a      | -                                                                               | -   | n/a      |
| Triplets VEL Range                                                                | n/a      | n/a      | -                                                                               | -   | n/a      |
| Flow Area Lock                                                                    | n/a      | n/a      | -                                                                               | -   | n/a      |

NOTE 1 Data should only be recorded in use of the software related to TTS

NOTE 2 Information listed (not the procedure) regarding TTC for any measurement system, not intended for reproduction or material capital use

NOTE 3 The requirements of 2017.12.2. are the not required to enter any data in the column related to TTS, TTB or TTC

NOTE 4 The requirements of 2017.12.2. are the not required to enter any data in the column related to TTS, TTB or TTC

NOTE 5 Flow's depth is a NOMINAL value

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any TRANSPOUCH ASSEMBLY not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TES, TIB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_H$                       |
| $P_s$                       |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table

| Index label                    |                              | MI                   | Scan | TIS  | TIB  | TTC     |       |
|--------------------------------|------------------------------|----------------------|------|------|------|---------|-------|
| Maximum Index Value            |                              | 1.6                  | 1.0  | -    | 2.1  | 2.4     |       |
| Associated acoustic parameters | $P_{r,a}$                    | (MPa)                |      |      |      |         |       |
|                                | $P$                          | (mW)                 |      |      |      |         |       |
|                                | Min of $[P_a(x), I_{sa}(x)]$ | (mW)                 | 87   | -    | 77   | 168     |       |
|                                | $r_a$                        | (cm)                 |      | -    |      |         |       |
|                                | $r_{sp}$                     | (cm)                 |      | -    |      |         |       |
|                                | $r_s$                        | (cm)                 |      | -    | 4.2  |         |       |
|                                | $r_s$ at max. $I_{sa}$       | (cm)                 | 3.3  |      |      |         |       |
| Other Information              | $A_{ap}(r_s)$                | (cm)                 |      |      | 0.48 |         |       |
|                                | $f_{ref}$                    | (MHz)                | 2.3  | 2.5  | -    | 1.9     | 2.1   |
|                                | Dim of $A_{ap}$              | (cm)                 |      | 1.2  | -    | 1.5     | 2.9   |
|                                | X                            | (cm)                 |      | 1.1  | -    | 1.1     | 1.1   |
|                                | Y                            | (cm)                 |      |      |      |         |       |
|                                | $t_a$                        | ( $\mu$ sec)         | 0.56 |      |      |         |       |
|                                | $f_{err}$                    | (Hz)                 | 2002 |      |      |         |       |
|                                | $P_r$ at max. $I_{sa}$       | (cm)                 | 3.0  |      |      |         |       |
|                                | $A_{ap}$ at max. $I_{sa}$    | (cm)                 |      |      |      | 0.45    |       |
|                                | $I_{sa}$ at max. $MI$        | (W/cm <sup>2</sup> ) | 317  |      |      |         |       |
| Operating control conditions   | Focal Length                 | (cm)                 |      | 0.86 | -    | -       | 6.7   |
|                                | $FL_x$                       | (cm)                 |      | 5.5  | -    | -       | 4.0   |
|                                | PWR%                         | (%)                  | 100  | 100  | -    | -       | 100   |
|                                | Tx Mode                      | B/M                  | B/M  | -    | -    | B/M     | B/M   |
|                                | Wave Mode                    | THUP(1)              | PND  | -    | -    | THUP(1) | PND   |
|                                | Frequency (B)                | Reso                 | Std  | -    | -    | Penet   | Penet |
|                                | Focus (B)                    | F2                   | F1   | -    | -    | F6      | F6    |
|                                | Scans (B)                    | 100                  | 25   | -    | -    | 100     | 100   |
|                                | Range                        | 30.0                 | 8.0  | -    | -    | 30.0    | 40.0  |
|                                | PRF Limit                    | ON                   | OFF  | -    | -    | ON      | ON    |
|                                | Line Density                 | Low                  | Low  | -    | -    | Low     | Low   |
|                                | Flow Mode                    | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Ref. Frequency (Color)       | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Focus (Color)                | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Flow% (Color)                | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Color Velocity Range         | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Packer Size                  | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Flow Area Depth              | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Color Line Density           | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
|                                | Pw Mode                      | n/a                  | n/a  | n/a  | n/a  | n/a     | n/a   |
| High PRF                       | n/a                          | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Ref. Frequency (D)             | n/a                          | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Focus (D)                      | n/a                          | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Doppler Velocity Range         | (cm/s)                       | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Sample gate size               | (cm)                         | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Sample gate depth              | (cm)                         | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Triplets Frame Rate            |                              | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Triplets VFL Range             |                              | n/a                  | n/a  | n/a  | n/a  | n/a     |       |
| Flow Area Lock                 |                              | n/a                  | n/a  | n/a  | n/a  | n/a     |       |

NOTE 1. Data should only be retained in one of the columns related to TIS

NOTE 2. Information need not be provided regarding TTC for any transducer assembly not intended for transcranial or neonatal cephalic use

NOTE 3. If the requirements of 201.12.4.3 are met, it is not required to enter any data in the column related to TIS, TIB or TTC.

NOTE 4. If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MI.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal catheter uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to T15, T18 or T19.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

**NOTE 5** Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $\sigma$                    | 18.75% |

acy

|                                 |    |
|---------------------------------|----|
| 20% or 0.2, whichever is larger | 10 |
|---------------------------------|----|

| Time | Concentration of $\text{H}_2\text{O}_2$ (M) |
|------|---------------------------------------------|
| 0    | 0.00                                        |
| 10   | 0.01                                        |
| 20   | 0.02                                        |
| 30   | 0.03                                        |
| 40   | 0.04                                        |
| 50   | 0.05                                        |
| 60   | 0.06                                        |
| 70   | 0.07                                        |
| 80   | 0.08                                        |
| 90   | 0.09                                        |
| 100  | 0.10                                        |

|    |                         |
|----|-------------------------|
| 11 | 10% of U.S. workers are |
|----|-------------------------|

Table 201.103 – Acoustic output reporting table

|                                | Index label                                                       | M/I  | TDS                                                                           | TIB      | TIC   |
|--------------------------------|-------------------------------------------------------------------|------|-------------------------------------------------------------------------------|----------|-------|
|                                | Maximum Index Value                                               |      | Scan<br>$A_{\text{eq}} < 10 \text{ cm}^2 / A_{\text{eq}}^{> 10 \text{ cm}^2}$ | Non-scan |       |
| Associated acoustic parameters | $P_r = a$<br>(MPa)                                                | 1.6  | 1.2                                                                           | -        | 2.8   |
|                                | $P_r$<br>(mW)                                                     | 2.4  |                                                                               |          |       |
|                                | Min of [ $P_r - f_s$ , $f_s$ , $f_{\text{max}}$ , $f_s$ ]<br>(cm) |      | 97                                                                            | -        | 223   |
|                                | $f_s$<br>(cm)                                                     |      |                                                                               | -        |       |
|                                | $f_{\text{max}}$<br>(cm)                                          |      |                                                                               | -        |       |
|                                | $f_s$ at max. $I_{\text{peak}}$<br>(cm)                           | 3.3  |                                                                               | -        |       |
| Other information              | $d_{\text{eff}}$<br>(cm)                                          |      |                                                                               | -        |       |
|                                | $d_{\text{eff}}$<br>(MHz)                                         | 2.3  | 2.5                                                                           | -        | 2.0   |
|                                | Dim of $A_{\text{eq}}$<br>(cm)                                    |      | 1.2                                                                           | -        | 2.9   |
|                                | X<br>(cm)                                                         |      | 1.1                                                                           | -        | 1.1   |
|                                | Y<br>(cm)                                                         |      |                                                                               | -        |       |
|                                | $I_a$<br>(µW)                                                     | 0.56 |                                                                               |          |       |
|                                | $p_{\text{err}}$<br>(Hz)                                          | 2289 |                                                                               |          |       |
|                                | $P_r$ at max. $I_{\text{peak}}$<br>(MPa)                          | 3.0  |                                                                               |          |       |
|                                | $d_{\text{eff}}$ at max. $I_{\text{peak}}$<br>(cm)                |      |                                                                               |          |       |
|                                | $f_{\text{max}}$ at max. M/I<br>(N/cm <sup>2</sup> )              | 317  |                                                                               |          |       |
|                                | Focal Length<br>(cm)                                              |      | 0.86                                                                          | -        | 7.2   |
|                                | $\Gamma_{\text{Tx}}$<br>(%)                                       |      | 5.5                                                                           | -        | 4.0   |
|                                | PWR %<br>(%)                                                      |      | 100                                                                           | 100      | 100   |
|                                | Tx Mode<br>(%)                                                    | B    | B                                                                             | -        | B     |
|                                | Wave Mode<br>(THz/L)                                              | FND  | FND                                                                           | -        | FND   |
| Operating control conditions   | Frequency (B)<br>Focus (B)                                        | R2   | Std                                                                           | -        | Penet |
|                                | Focus (B)                                                         | F2   | F1                                                                            | -        | F7    |
|                                | Sonar's (B)<br>Range                                              | 100  | 25                                                                            | -        | 100   |
|                                | Swarm's (B)<br>Range                                              | 30.0 | 7.0                                                                           | -        | 40.0  |
|                                | PRF Limit<br>Line Density                                         | ON   | OFF                                                                           | -        | ON    |
|                                | Flow Mode<br>Line Density                                         | Low  | High                                                                          | -        | Low   |
|                                | Ref. Frequency (Color)<br>Focus (Color)                           | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | Flow's (Color)<br>Color Velocity Range                            | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | Packet Size<br>Flow Area Depth                                    | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | Color Line Density<br>Pw Mode                                     | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | High PRF<br>Ref. Frequency (D)                                    | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | Doppler Velocity Range<br>Sample gate size                        | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | Sample gate depth<br>Triplets Fusion Rate                         | n/a  | n/a                                                                           | n/a      | n/a   |
|                                | Triplets VFL Range<br>Flow Area Lock                              | n/a  | n/a                                                                           | n/a      | n/a   |

NOTE 1 Data would only be entered in one of the columns related to TIS.

NOTE 2 Information need not be provided regarding TIC for any "nonconformity" not intended for transponder or resonant capsule uses.

NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the column related to ME.

NOTE: Data should only be entered in one of the columns related to TES

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TTB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to M1.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $p$                         |
| $I_p$                       |
| $p$                         |

ncy

|    |                                 |
|----|---------------------------------|
| M7 | 20% or 0.2, whichever is larger |
|----|---------------------------------|

|    |                                 |
|----|---------------------------------|
| TT | 40% or 0.4, whichever is larger |
|----|---------------------------------|

|    |    |
|----|----|
| 11 | 11 |
|----|----|

Table 201.103 – Acoustic output reporting table

| Index label                       | MT                     | TIS  |          | TIB    | TIC   |
|-----------------------------------|------------------------|------|----------|--------|-------|
|                                   |                        | Scan | Non-scan |        |       |
| Maximum Index Value               | 1.6                    | -    | -        | 3.7    | 2.6   |
| $A_{wp}(cm^2)$                    | 2.5                    | -    | -        | 1.0    | 1.0   |
| $P$                               | (mW)                   | -    | -        | 129    | 75    |
| $P_r$                             | (mW)                   | -    | -        | 103    | 103   |
| Min of $[P_a(f_a), I_{a,a}(f_a)]$ | (mW)                   | -    | -        | 2.1    | 2.1   |
| $f_a$                             | (cm)                   | -    | -        | 2.1    | 2.1   |
| $f_{ap}$                          | (cm)                   | -    | -        | 4.2    | 4.2   |
| $f_b$                             | (cm)                   | -    | -        | -      | -     |
| $f_c$ at max. $I_{a,a}$           | (cm)                   | -    | -        | -      | -     |
| $d_{a,f}(f_a)$                    | (cm)                   | -    | -        | 0.43   | 0.43  |
| $f_{ref}$                         | (MHz)                  | -    | -        | 2.1    | 2.1   |
| Dim of $A_{wp}$                   | (cm)                   | -    | -        | 1.5    | 1.5   |
| $I_a$                             | (cm)                   | -    | -        | 1.1    | 1.1   |
| $f_{pr}$                          | (Hz)                   | -    | -        | -      | -     |
| $p_r$ at max. $I_{a,a}$           | (MPa)                  | -    | -        | -      | -     |
| $d_{a,a}$ at max. $I_{a,a}$       | (cm)                   | -    | -        | 0.40   | 0.40  |
| Information                       | $I_{a,a}$ at max. $MT$ | -    | -        | -      | -     |
| $f_{a,a}$ at max. $MT$            | (MHz)                  | -    | -        | -      | -     |
| $f_{Lx}$                          | (cm)                   | -    | -        | 5.9    | 0.47  |
| $f_{Ly}$                          | (cm)                   | -    | -        | 4.0    | 4.0   |
| $PWR\%$                           | (%)                    | -    | -        | 100    | 100   |
| $T_s$ Mode                        | Pwr                    | -    | -        | Pwr    | Pwr   |
| Wave Mode                         | n/a                    | -    | -        | n/a    | n/a   |
| Frequency (B)                     | n/a                    | -    | -        | n/a    | n/a   |
| Focus (B)                         | n/a                    | -    | -        | n/a    | n/a   |
| Scan% (B)                         | n/a                    | -    | -        | n/a    | n/a   |
| Range                             | (cm)                   | -    | -        | n/a    | n/a   |
| PRF Limit                         | n/a                    | -    | -        | n/a    | n/a   |
| Line Density                      | n/a                    | -    | -        | n/a    | n/a   |
| Flow Mode                         | n/a                    | -    | -        | n/a    | n/a   |
| Ref. Frequency (Color)            | n/a                    | -    | -        | n/a    | n/a   |
| Focus (Color)                     | n/a                    | -    | -        | n/a    | n/a   |
| Flow% (Color)                     | n/a                    | -    | -        | n/a    | n/a   |
| Color Velocity Range              | (cm/s)                 | -    | -        | n/a    | n/a   |
| Packet Size                       | n/a                    | -    | -        | n/a    | n/a   |
| Flow Area Depth                   | (cm)                   | -    | -        | n/a    | n/a   |
| Color Line Density                | n/a                    | -    | -        | n/a    | n/a   |
| Pwr Mode                          | PW                     | -    | -        | PW     | PW    |
| High PRF                          | OFF                    | -    | -        | OFF    | OFF   |
| Ref. Frequency (D)                | Std                    | -    | -        | Std    | Std   |
| Focus (D)                         | P5                     | -    | -        | P5     | P5    |
| Doppler Velocity Range            | (cm/s)                 | -    | -        | 137.03 | 28.46 |
| Sample gate size                  | (cm)                   | -    | -        | 0.1    | 0.1   |
| Sample gate depth                 | (cm)                   | -    | -        | 10.2   | 7.4   |
| Triplex Frame Rate                | n/a                    | -    | -        | n/a    | n/a   |
| Triplex VEL Range                 | n/a                    | -    | -        | n/a    | n/a   |
| Flow Area Lock                    | n/a                    | -    | -        | n/a    | n/a   |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer unless not intended for transducer or resonant capsule uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{a,a}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                       | MT                     | TIS  |          | TIB    | TIC    |
|-----------------------------------|------------------------|------|----------|--------|--------|
|                                   |                        | Scan | Non-scan |        |        |
| Maximum Index Value               | 1.6                    | -    | -        | 3.3    | 2.0    |
| $A_{wp}(cm^2)$                    | 2.4                    | -    | -        | 0.90   | 0.90   |
| $P$                               | (mW)                   | -    | -        | 99     | 114    |
| $P_r$                             | (mW)                   | -    | -        | 69     | 69     |
| Min of $[P_a(f_a), I_{a,a}(f_a)]$ | (mW)                   | -    | -        | 2.1    | 2.1    |
| $f_a$                             | (cm)                   | -    | -        | 2.1    | 2.1    |
| $f_{ap}$                          | (cm)                   | -    | -        | 3.8    | 3.8    |
| $f_b$                             | (cm)                   | -    | -        | -      | -      |
| $f_c$ at max. $I_{a,a}$           | (cm)                   | -    | -        | -      | -      |
| $d_{a,f}(f_a)$                    | (cm)                   | -    | -        | 0.40   | 0.40   |
| $f_{ref}$                         | (MHz)                  | -    | -        | 2.8    | 1.9    |
| Dim of $A_{wp}$                   | (cm)                   | -    | -        | 1.5    | 1.5    |
| $I_a$                             | (cm)                   | -    | -        | 1.1    | 1.1    |
| $f_{pr}$                          | (Hz)                   | -    | -        | -      | -      |
| $p_r$ at max. $I_{a,a}$           | (MPa)                  | -    | -        | -      | -      |
| $d_{a,a}$ at max. $I_{a,a}$       | (cm)                   | -    | -        | 0.38   | 0.38   |
| Information                       | $I_{a,a}$ at max. $MT$ | -    | -        | -      | -      |
| $f_{a,a}$ at max. $MT$            | (MHz)                  | -    | -        | -      | -      |
| $f_{Lx}$                          | (cm)                   | -    | -        | 6.7    | 5.4    |
| $f_{Ly}$                          | (cm)                   | -    | -        | 5.5    | 4.0    |
| $PWR\%$                           | (%)                    | -    | -        | 100    | 100    |
| $T_s$ Mode                        | M                      | -    | -        | M      | M      |
| Wave Mode                         | THP(L)                 | -    | -        | THP(L) | THP(L) |
| Frequency (B)                     | Reso                   | -    | -        | Reso   | Reso   |
| Focus (B)                         | F2                     | -    | -        | F2     | F2     |
| Scan% (B)                         | (%)                    | -    | -        | n/a    | n/a    |
| Range                             | (cm)                   | -    | -        | 40.0   | 30.0   |
| PRF Limit                         | n/a                    | -    | -        | n/a    | n/a    |
| Line Density                      | n/a                    | -    | -        | n/a    | n/a    |
| Flow Mode                         | n/a                    | -    | -        | n/a    | n/a    |
| Ref. Frequency (Color)            | n/a                    | -    | -        | n/a    | n/a    |
| Focus (Color)                     | n/a                    | -    | -        | n/a    | n/a    |
| Flow% (Color)                     | n/a                    | -    | -        | n/a    | n/a    |
| Color Velocity Range              | (cm/s)                 | -    | -        | n/a    | n/a    |
| Packet Size                       | n/a                    | -    | -        | n/a    | n/a    |
| Flow Area Depth                   | (cm)                   | -    | -        | n/a    | n/a    |
| Color Line Density                | n/a                    | -    | -        | n/a    | n/a    |
| Pwr Mode                          | n/a                    | -    | -        | n/a    | n/a    |
| High PRF                          | n/a                    | -    | -        | n/a    | n/a    |
| Ref. Frequency (D)                | n/a                    | -    | -        | n/a    | n/a    |
| Focus (D)                         | n/a                    | -    | -        | n/a    | n/a    |
| Doppler Velocity Range            | (cm/s)                 | -    | -        | n/a    | n/a    |
| Sample gate size                  | (cm)                   | -    | -        | n/a    | n/a    |
| Sample gate depth                 | (cm)                   | -    | -        | n/a    | n/a    |
| Triplex Frame Rate                | n/a                    | -    | -        | n/a    | n/a    |
| Triplex VEL Range                 | n/a                    | -    | -        | n/a    | n/a    |
| Flow Area Lock                    | n/a                    | -    | -        | n/a    | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer unless not intended for transducer or resonant capsule uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{a,a}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                                          | MI       | Scan | TDS                                                            | Non-scan | TTB   | TTC           |
|--------------------------------|----------------------------------------------------------|----------|------|----------------------------------------------------------------|----------|-------|---------------|
| Maximum Index Values           |                                                          | 1.6      | -    | $A_{\text{max}} \leq 1 \text{ cm}^2/\mu\text{m}^2/\text{cm}^2$ | -        | 3.8   | 2.5           |
| Associated acoustic parameters | $P_{\text{r}}, \alpha$ (MPa)                             | 2.4      | -    | -                                                              | -        | -     | -             |
|                                | $P_{\text{r}}$ (mW)                                      | -        | -    | 89                                                             | -        | 129   | 86            |
|                                | Min of $[P_{\text{r}}(x, y), I_{\text{max}}(x, y)]$ (mW) | -        | -    | -                                                              | -        | -     | -             |
|                                | $\tau_{\text{sa}}$ (cm)                                  | -        | -    | -                                                              | -        | -     | -             |
|                                | $\tau_{\text{sp}}$ (cm)                                  | -        | -    | -                                                              | -        | -     | -             |
|                                | $\tau_{\text{sa}}$ at max. $I_{\text{sa}}$ (cm)          | -        | -    | -                                                              | -        | 4.2   | -             |
|                                | $\tau_{\text{sp}}$ at max. $I_{\text{sp}}$ (cm)          | 3.3      | -    | -                                                              | -        | -     | -             |
| Other information              | $I_{\text{sa}}$ (MPa)                                    | B:2.29   | -    | D:2.09                                                         | -        | D:2.1 | B:1.93; D:2.5 |
|                                | Dim of $A_{\text{unit}}$ (cm)                            | X        | -    | 0.73                                                           | -        | 1.5   | 0.36          |
|                                | $I_{\text{sa}}$ (μasec)                                  | Y        | -    | 1.1                                                            | -        | 1.1   | 1.1           |
|                                | $I_{\text{sp}}$ (Hz)                                     | 12514    | -    | -                                                              | -        | -     | -             |
|                                | $P_{\text{r}}$ at max. $I_{\text{sa}}$ (MPa)             | 3.0      | -    | -                                                              | -        | -     | -             |
|                                | $I_{\text{sa}}$ at max. $I_{\text{sp}}$ (cm)             | -        | -    | -                                                              | -        | -     | -             |
|                                | $I_{\text{sa}}$ at max. MI (N/cm <sup>2</sup> )          | 317      | -    | 1.7                                                            | -        | -     | -             |
|                                | Focus Length (cm)                                        | -        | -    | 4.0                                                            | -        | -     | 0.57          |
|                                | $P_{\text{W}}/K_{\text{c}}$ (%)                          | 100      | -    | 100                                                            | -        | 100   | 100           |
|                                | Wave Mode                                                | B/Pw     | -    | B/Pw                                                           | -        | B/Pw  | B/Pw          |
| Operating control conditions   | THUP (L)                                                 | THUP (L) | -    | THUP (L)                                                       | -        | PND   | THUP (mT)     |
|                                | Frequency (B)                                            | F2       | -    | Rco                                                            | -        | Sd    | Rco           |
|                                | Focus (B)                                                | F2       | -    | F2                                                             | -        | F5    | F4            |
|                                | Scan's (B)                                               | 25       | -    | 25                                                             | -        | 25    | 25            |
|                                | Range                                                    | 15.0     | -    | 12.0                                                           | -        | 21.0  | 12.0          |
|                                | PRF Limit                                                | OFF      | -    | OFF                                                            | -        | OFF   | OFF           |
|                                | Line Density                                             | High     | -    | High                                                           | -        | Low   | Medium        |
|                                | Flow Mode                                                | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Ref. Frequency (Color)                                   | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Focus (Color)                                            | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
| Flow Mode                      | Flow's (Color)                                           | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Color Velocity Range                                     | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Packet Size                                              | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Flow Area Depth                                          | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Color Line Density                                       | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Pw Mode                                                  | PW       | -    | PW                                                             | -        | PW    | PW            |
|                                | High PRF                                                 | OFF      | -    | OFF                                                            | -        | OFF   | OFF           |
|                                | Ref. Frequency (D)                                       | Sd       | -    | Penet                                                          | -        | Penet | Sd            |
|                                | Focus (D)                                                | F7       | -    | F2                                                             | -        | F5    | F1            |
|                                | Doppler Velocity Range                                   | 245.19   | -    | 19.92                                                          | -        | 28.46 | 144.89        |
| Flow Area Lock                 | Sample gate size                                         | 0.1      | -    | 0.1                                                            | -        | 0.1   | 0.1           |
|                                | Sample gate depth                                        | 11.4     | -    | 1.4                                                            | -        | 7.4   | 0.0           |
|                                | Triplex Frame Rate                                       | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
|                                | Triplex VBL Range                                        | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |
| Flow Area Lock                 |                                                          | n/a      | n/a  | n/a                                                            | n/a      | n/a   | n/a           |

NOTE 1 Data should only be entered in one of the columns related to TDS

NOTE 2 Information need not be provided regarding TTC for any transducers assembly not intended for transverse or resonant capsule use

NOTE 3 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to TDS, TTB or TTC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MI.

NOTE! Data should only be entered in one of the columns related to TIS

**NOTE 2** Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to T15, T18 or T19.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
|                             | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                         | MT                   | TIS                                   |                                       | TIB                                   | TTC     |
|--------------------------------|-----------------------------------------|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------|
| Maximum Index Value            |                                         |                      | Scan                                  | Non-scan                              | Non-scan                              |         |
|                                |                                         |                      | $A_{\text{sc}} \text{ (cm}^2\text{)}$ | $A_{\text{ns}} \text{ (cm}^2\text{)}$ | $A_{\text{ns}} \text{ (cm}^2\text{)}$ |         |
| Associated acoustic parameters | $P_{\text{r},a}$                        | (MPa)                | 1.6                                   | -                                     | -                                     | 2.8     |
|                                | $P$                                     | (mW)                 | 2.5                                   | -                                     | -                                     | 79      |
|                                | Min of $[P_a(f_s), I_{\text{ns}}(f_s)]$ | (mW)                 | -                                     | -                                     | 103                                   | -       |
|                                | $f_a$                                   | (cm)                 | -                                     | -                                     | 2.1                                   | -       |
|                                | $f_{\text{sp}}$                         | (cm)                 | -                                     | -                                     | 2.1                                   | -       |
|                                | $f_s$ at max. $I_{\text{ns}}$           | (cm)                 | 4.7                                   | -                                     | 4.2                                   | -       |
| Other Information              | $A_{\text{sc}}(f_s)$                    | (cm)                 | -                                     | -                                     | 0.43                                  | -       |
|                                | $f_{\text{ref}}$                        | (MHz)                | 2.4                                   | -                                     | 2.1                                   | 2.1     |
|                                | Dim of $A_{\text{sc}}$                  | (cm)                 | -                                     | -                                     | 1.5                                   | 0.36    |
|                                | $X$                                     | (cm)                 | -                                     | -                                     | 1.1                                   | 1.1     |
|                                | $Y$                                     | (cm)                 | -                                     | -                                     | 1.1                                   | 1.1     |
|                                | $f_a$                                   | (jsec)               | 0.61                                  | -                                     | -                                     | -       |
|                                | $f_{\text{ref}}$                        | (Hz)                 | 1085                                  | -                                     | -                                     | -       |
|                                | $P_r$ at max. $I_{\text{ns}}$           | (mW)                 | 3.5                                   | -                                     | -                                     | -       |
|                                | $A_{\text{sc}}$ at max. $I_{\text{ns}}$ | (cm)                 | -                                     | -                                     | -                                     | -       |
|                                | $f_{\text{sc}}$ at max. $I_{\text{ns}}$ | (W/cm <sup>2</sup> ) | 590                                   | -                                     | -                                     | 0.41    |
| Operating control conditions   | Focus Length                            | (cm)                 | -                                     | -                                     | 5.9                                   | 0.47    |
|                                | $P_{\text{WPR}}$                        | (cm)                 | -                                     | -                                     | 1.0                                   | 4.0     |
|                                | PWR%                                    | (%)                  | 100                                   | -                                     | 100                                   | 100     |
|                                | Tx Mode                                 | M/Flow               | -                                     | -                                     | M/Flow                                | M/Flow  |
|                                | Wave Mode                               | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Frequency (B)                           | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Focus (B)                               | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Scan/s (B)                              | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Range                                   | (%)                  | -                                     | -                                     | 40.0                                  | 7.0     |
|                                | PRF Limit                               | (cm)                 | 40.0                                  | -                                     | -                                     | -       |
| Flow Mode                      | Line Density                            | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Flow Mode                               | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Ref. Frequency (Color)                  | eFlow                | -                                     | -                                     | Flow                                  | eFlow   |
|                                | Std                                     | Std                  | -                                     | -                                     | Percent                               | Percent |
|                                | Focus (Color)                           | F4                   | -                                     | -                                     | F6                                    | F5      |
|                                | Flow/s (Color)                          | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Color Velocity Range                    | 16.60                | -                                     | 53.13                                 | 24.90                                 | 39.84   |
|                                | Packet Size                             | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Flow Area Depth                         | (cm)                 | 40.0                                  | -                                     | 40.0                                  | 40.0    |
|                                | Color Line Density                      | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
| Flow Mode                      | Flow Mode                               | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | High PRF                                | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Ref. Frequency (D)                      | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Focus (D)                               | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Doppler Velocity Range                  | (cm/s)               | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Sample gate size                        | (cm)                 | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Sample gate depth                       | (cm)                 | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Triplets Frame Rate                     | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Triplets VFL Range                      | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |
|                                | Flow Area Lock                          | n/a                  | n/a                                   | n/a                                   | n/a                                   | n/a     |

NOTE 1: Data should only be entered in one of the columns related to TIS.

NOTE 2: Information need not be provided regarding TTC for any transducer assembly yet intended for transcranial or neonatal applications.

NOTE 3: If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4: If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to MT.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TSS, TSS or TBC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_p$                       | 37.14% |
| $\rho$                      | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                   | MT   | Scan | TDS | Non-scan                                            | TI/TB | TTC |
|--------------------------------|-----------------------------------|------|------|-----|-----------------------------------------------------|-------|-----|
| Maximum Index Value            | $P_{t,a}$                         | 1.6  | -    | -   | $A_{eq} \leq 10m^{-1} A_{eq}^{max} \times 10m^{-1}$ | -     | 3.2 |
|                                | $P$                               | 2.4  | -    | -   | -                                                   | -     | -   |
|                                | $P_{t,a}$                         | (mW) | -    | 61  | -                                                   | 129   | 121 |
|                                | Min of $[P_a(t_a), I_{p,a}(t_a)]$ | (mW) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$                         | (cm) | -    | -   | -                                                   | -     | -   |
| Associated acoustic parameters | $I_{p,a}$                         | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$                         | (cm) | -    | -   | -                                                   | 4.2   | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | 3.3  | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Other information              | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
|                                | $I_{p,a}$ at max $I_{p,a}$        | (cm) | -    | -   | -                                                   | -     | -   |
| Operating control conditions   | $I_{p$                            |      |      |     |                                                     |       |     |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 1 Data around zero are centered at one or one constant remains 1.100

NOTE 2 Information need not be provided regarding TQ for any measurement system v not intended for transcranial or neonatal methods 1000

NOTE 2 Information need not be provided regarding IAC for any nonmedical assessment not intended for utilization of restriction requirements.

NOTE 3 If the requirements of 201.1.2.4.2 are met, it is not required to enter any data in the column related to M.

NOTE 4 If the requirements of 201.1.2.4.2b are met, it is not required to enter any data in the column related to M.

NOTE 5 Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $m$                         | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TV               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

|                                | Index label                                       | MT                   | TIS<br>Scan | TIS<br>Non-scan | TIB<br>Non-scan | TIC         |
|--------------------------------|---------------------------------------------------|----------------------|-------------|-----------------|-----------------|-------------|
| Maximum Index Value            | $P_{L,s}$                                         | (MPa)                | 1.2         | -               | -               | 2.6         |
|                                | $P_s$                                             | (mW)                 | 2.4         | -               | -               | -           |
|                                | $\text{Min of } [P_a(t_{a,i}), I_{a,s}(t_{a,i})]$ | (mW)                 | 123         | -               | -               | 124         |
|                                | $I_{a,s}$                                         | (cm)                 | -           | -               | -               | -           |
|                                | $I_{a,g}$                                         | (cm)                 | -           | -               | -               | -           |
|                                | $I_{a,z}$                                         | (cm)                 | -           | -               | -               | -           |
| Associated acoustic parameters | $a$ at max. $I_{a,s}$                             | (cm)                 | 3.3         | -               | -               | -           |
|                                | $d_{a,s}(t_{a,i})$                                | (cm)                 | -           | -               | -               | B=1.9,C=1.1 |
|                                | $f_{ad}$                                          | (MHz)                | B=2.29      | B=1.9,C=2.1     | -               | -           |
|                                | Dim of $A_{ap}$                                   | (cm)                 | 0.97        | -               | -               | 0.97        |
|                                | X                                                 | (cm)                 | 1.1         | -               | -               | 1.1         |
|                                | Y                                                 | (cm)                 | -           | -               | -               | -           |
|                                | $t_g$                                             | (μsec)               | 0.56        | -               | -               | -           |
| Other                          | $p_{PF}$                                          | (Hz)                 | 4953        | -               | -               | -           |
|                                | $p_i$ at max. $I_{a,s}$                           | (MPa)                | 3.0         | -               | -               | -           |
|                                | $I_{a,q}$ at max. $I_{a,s}$                       | (cm)                 | -           | -               | -               | -           |
| Information                    | $f_{a,s}$ at max. $M$                             | (N/cm <sup>2</sup> ) | 317         | -               | -               | 0.47        |
|                                | Focal Length                                      | (cm)                 | -           | -               | -               | 4.0         |
|                                | $F_{Ly}$                                          | (cm)                 | -           | -               | -               | 4.0         |
| Operating control conditions   | PMRN (%)                                          | (%)                  | 100         | -               | -               | 100         |
|                                | Tx Mode                                           | B/Pow                | B/Pow       | -               | -               | B/Pow       |
|                                | Wave Mode                                         | THQ(P.L)             | THQ(PmT)    | -               | -               | THQ(PmT)    |
|                                | Frequency (B)                                     | Reno                 | Reno        | -               | -               | Reno        |
|                                | Focus (B)                                         | F2                   | F1          | -               | -               | F1          |
|                                | Scan% (B)                                         | 25                   | 25          | -               | -               | 25          |
|                                | Range                                             | (cm)                 | 15.0        | 9.0             | -               | 9.0         |
|                                | PBF Limit                                         | OFF                  | OFF         | -               | -               | OFF         |
| Operating control conditions   | Line Density                                      | Medium               | Low         | -               | -               | Low         |
|                                | Pulse Mode                                        | Pow                  | ePow        | -               | -               | ePow        |
|                                | Ref. Frequency (Color)                            | Pmet                 | Pmet        | -               | -               | Pmet        |
|                                | Focus (Color)                                     | F7                   | F1          | -               | -               | F1          |
|                                | Plew% (Color)                                     | 15                   | 15          | -               | -               | 15          |
|                                | Color Velocity Range                              | 99.61                | 39.35       | -               | -               | 39.35       |
|                                | Pocket Size                                       | Medium               | Low         | -               | -               | Low         |
|                                | Plex Area Depth                                   | (cm)                 | 12.0        | 9.0             | -               | 9.0         |
|                                | Color Line Density                                | 2                    | 1           | -               | -               | 1           |
|                                | Pw Mode                                           | n/a                  | n/a         | n/a             | n/a             | n/a         |
|                                | High PRF                                          | n/a                  | n/a         | n/a             | n/a             | n/a         |
|                                | Ref. Frequency (D)                                | n/a                  | n/a         | n/a             | n/a             | n/a         |
|                                | Focus (D)                                         | n/a                  | n/a         | n/a             | n/a             | n/a         |
|                                | Doppler Velocity Range                            | (cm/s)               | n/a         | n/a             | n/a             | n/a         |
| Operating control conditions   | Sample gate size                                  | (cm)                 | n/a         | n/a             | n/a             | n/a         |
|                                | Sample gate depth                                 | (cm)                 | n/a         | n/a             | n/a             | n/a         |
|                                | Triplets Frame Rate                               | (cm)                 | n/a         | n/a             | n/a             | n/a         |
|                                | Triplets VPI Range                                | (cm)                 | n/a         | n/a             | n/a             | n/a         |
| Operating control conditions   | Plex Area Lock                                    | n/a                  | n/a         | n/a             | n/a             | n/a         |
|                                | Triplex Area Lock                                 | n/a                  | n/a         | n/a             | n/a             | n/a         |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any "transient anomaly," not intended for transcribed or recorded signals axis

NOTE 3 If the requirements of 301.12A.2b are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 4 If the requirements of 301.12A.2b are met, it is not required to enter any data in the column related to MI.

NOTE: Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be withheld for transcribed or narrated materials used

NOTE 3. If the coordinates of 201.12.4.2a are met, it is not needed to enter any data in the columns related to TSS, THH or THG.

NOTE 4 If the requirements of 301.17.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

|                             |           |        |
|-----------------------------|-----------|--------|
| measurement uncertainty (%) | $p$       | 25.00% |
|                             | $I_{\mu}$ | 37.14% |
|                             | $n$       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Acoustic output data in accordance with IEC 61157/A2.2, accompanying literature

ARIETTA 50

C41V Convex

Acoustic power is controllable by the user.

| Parameter                        | Mode     | B <sub>0</sub> | B <sub>100</sub> | M <sub>0</sub> | M <sub>100</sub> | D <sub>0</sub> | D <sub>100</sub> | (M+Color)P | (M+Color)I <sub>0</sub> | (B+D) <sub>0</sub> | (B+D) <sub>100</sub> | (B+Color)P | (B+Color)I <sub>0</sub> | (B+Color)D <sub>0</sub> | (B+Color)D <sub>100</sub> |
|----------------------------------|----------|----------------|------------------|----------------|------------------|----------------|------------------|------------|-------------------------|--------------------|----------------------|------------|-------------------------|-------------------------|---------------------------|
| Maximum power                    | (mW)     | 11             | 29               | 7.2            | 8.5              | 7.8            | 24               | 12         | 25                      | 4.1                | 27                   | 5.8        | 29                      | 2.1                     | 27                        |
| P <sub>0</sub>                   | (mW)     | 4.1            | 3.2              | 4.1            | 3.8              | 2.6            | 1.7              | 2.6        | 2.3                     | 4.1                | 2.5                  | 4.1        | 2.1                     | 4.1                     | 2.4                       |
| I <sub>0</sub>                   | (mW/cm²) | 21             | 74               | 16             | 14               | 71             | 16               | 23         | 72                      | 16                 | 82                   | 29         | 95                      | 15                      | 80                        |
| PWR%                             | (%)      | 5.7            | 60               | 447            | 465              | 316            | 1122             | 461        | 1145                    | 37                 | 1120                 | 2.4        | 103                     | 40                      | 1113                      |
| Tx Mode                          | (%)      | 100            | 100              | 100            | 100              | 100            | 100              | MFlow      | MFlow                   | 100                | 100                  | 100        | 100                     | 100                     | 100                       |
| Wave Mode                        |          | THRP.L         | B                | THRP.L         | M                | Pw             | Pw               | -          | -                       | THRP.L             | THRP.L               | BFlow      | BFlow                   | BFlow                   | BFlow                     |
| Frequency (B)                    |          | High           | Sd               | High           | Sd               | n/a            | n/a              | n/a        | n/a                     | High               | High                 | THRP.L     | THRP.L                  | THRP.L                  | PND                       |
| Focus (B)                        |          | F4             | F5               | F4             | F4               | n/a            | n/a              | n/a        | n/a                     | F4                 | F2                   | F4         | F4                      | F4                      | F4                        |
| Scan% (B)                        | (%)      | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | 100                | 25                   | 100        | 25                      | 100                     | 27                        |
| Range                            | (cm)     | 21.0           | 5.0              | 21.0           | n/a              | n/a            | n/a              | n/a        | n/a                     | 21.0               | 4.5                  | 21.0       | 4.5                     | 21.0                    | 4.5                       |
| PRF Limit                        |          | ON             | OFF              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | ON                 | OFF                  | ON         | OFF                     | ON                      | OFF                       |
| Line Density                     |          | Low            | High             | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | Low                | Medium               | Low        | High                    | Low                     | Flow                      |
| Flow Mode                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Ref. Frequency (Color)           |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Focus (Color)                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Flow% (Color)                    | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Color Velocity Range             | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Picket Size                      |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Flow Area Depth                  | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Color Line Density               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Pw Mode                          |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| High PRF                         |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Ref. Frequency (D)               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Focus (D)                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Triplets Frame Rate              |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Triplets VSL Range               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| Flow Area Lock                   |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | Flow       | Flow                    | Flow                    | Flow                      |
| P <sub>0</sub>                   | (mm)     | 28             | 21               | 28             | 26               | 29             | 23               | 29         | 23                      | 28                 | 23                   | 28         | 23                      | 28                      | 23                        |
| W <sub>0</sub>                   | (°)      | 1.3            | 1.5              | 1.3            | 1.4              | 2.0            | 1.8              | 2.0        | 1.9                     | 1.3                | 1.8                  | 1.3        | 1.8                     | 1.3                     | 1.8                       |
| W <sub>0</sub> (L)               | (L)      | 1.4            | 1.9              | 1.4            | 1.6              | 1.7            | 1.7              | 1.8        | 1.7                     | 1.4                | 1.7                  | 1.4        | 1.7                     | 1.4                     | 1.7                       |
| PRF (PRF)                        | (Hz)     | n/a            | n/a              | 2006           | 2003             | 814            | 8681             | 1628       | 9470                    | n/a                | n/a                  | n/a        | n/a                     | n/a                     | n/a                       |
| PRF (SRF)                        | (Hz)     | 20             | 119              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | 2.0                | 2.0                  | 7.0        | 29                      | 0.45                    | 11                        |
| W <sub>0</sub>                   |          | 2.0            | 2.0              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | n/a        | n/a                     | n/a                     | n/a                       |
| W <sub>0</sub>                   |          | 77             | 39               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | 77                 | 29                   | B-51, C-27 | B-39, C-20              | B-51, C-32              | B-2, C-10                 |
| Output beam dimension            | (°)      | 8.1            | 6.1              | 8.1            | 8.1              | 7.7            | 5.3              | 7.7        | 5.3                     | 8.1                | 5.3                  | 8.1        | 5.3                     | 8.1                     | 5.3                       |
| Acoustic Power-up fraction       | (%)      | 6.5            | 6.5              | 6.5            | 6.5              | 6.5            | 6.5              | 6.5        | 6.5                     | 6.5                | 6.5                  | 6.5        | 6.5                     | 6.5                     | 6.5                       |
| Acoustic Power-up mode           | (MHz)    | 6.0            | 5.2              | 6.0            | 5.2              | 5.0            | 5.0              | 5.0        | 5.1                     | 6.0                | 5.0                  | 6.0        | 5.0                     | 6.0                     | 5.0                       |
| Acoustic Initialization fraction | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | n/a        | n/a                     | n/a                     | n/a                       |
| Acoustic Initialization mode     |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                     | n/a                | n/a                  | n/a        | n/a                     | n/a                     | n/a                       |
| Acoustic output fraction         |          | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes        | Yes                     | Yes                | Yes                  | Yes        | Yes                     | Yes                     | Yes                       |
| W <sub>0</sub>                   | (mm)     | 1.2            | 1.2              | 1.2            | 1.2              | 1.2            | 1.2              | 1.2        | 1.2                     | 1.2                | 1.2                  | 1.2        | 1.2                     | 1.2                     | 1.2                       |
| Inclusive modes                  |          | contact        | contact          | contact        | contact          | contact        | contact          | contact    | contact                 | contact            | contact              | contact    | contact                 | contact                 | contact                   |

|                             |        |
|-----------------------------|--------|
| PROBABILITY UNCERTAINTY (%) |        |
| P <sub>0</sub>              | 25.00% |
| I <sub>0</sub>              | 37.14% |
| P <sub>0</sub>              | 18.75% |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                 | MT                        | TIS                       | TIB      | TTC    |
|--------------------------------|-------------------------------------------------|---------------------------|---------------------------|----------|--------|
| Maximum Index Value            |                                                 | Scan                      | Non-scan                  | Non-scan |        |
|                                |                                                 | $A_{eq} < 1 \text{ cm}^2$ | $A_{eq} > 1 \text{ cm}^2$ |          |        |
| Associated acoustic parameters | $f_{p, \mu}$ (mW)                               | 1.1                       | -                         | -        | 0.64   |
|                                | $f_{p, \mu}$ (mW)                               | 2.5                       | -                         | -        | -      |
|                                | Min of $ P_a(f, z) ,  P_{sc}(f, z) $ (mW)       | -                         | -                         | -        | -      |
|                                | $f_{sc}$ (cm)                                   | -                         | -                         | -        | -      |
|                                | $f_{sc}$ (cm)                                   | -                         | -                         | -        | -      |
| Parameters at max. $M_{TIS}$   | $f_{sc}$ at max. $M_{TIS}$ (cm)                 | -                         | -                         | -        | -      |
|                                | $f_{sc}$ at max. $M_{TIS}$ (cm)                 | 2.5                       | -                         | -        | -      |
|                                | $f_{sc}$ at max. $M_{TIS}$ (cm)                 | -                         | -                         | -        | -      |
|                                | $f_{sc}$ at max. $M_{TIS}$ (cm)                 | -                         | -                         | -        | -      |
|                                | $f_{sc}$ at max. $M_{TIS}$ (cm)                 | -                         | -                         | -        | -      |
| Other Information              | $f_{sc}$ (cm)                                   | 5.2                       | -                         | -        | 5.2    |
|                                | $f_{sc}$ (cm)                                   | 1.6                       | -                         | -        | 1.6    |
|                                | $f_{sc}$ (cm)                                   | 0.65                      | -                         | -        | 0.65   |
|                                | $f_{sc}$ (cm)                                   | 0.25                      | -                         | -        | -      |
|                                | $f_{sc}$ (cm)                                   | 3133                      | -                         | -        | -      |
| Operating conditions           | $f_{sc}$ at max. $f_{\mu}$ (MPa)                | 3.8                       | -                         | -        | -      |
|                                | $f_{sc}$ at max. $f_{\mu}$ (cm)                 | -                         | -                         | -        | -      |
|                                | $f_{sc}$ at max. $M_{TIS}$ (W/cm <sup>2</sup> ) | 388                       | -                         | -        | -      |
|                                | Fixed Length $f_{TIS}$ (cm)                     | -                         | -                         | -        | -      |
|                                | Fixed Length $f_{TIB}$ (cm)                     | -                         | -                         | -        | -      |
| Operating conditions           | PdPR% (%)                                       | 100                       | -                         | -        | 100    |
|                                | Tx Mode                                         | B                         | -                         | -        | B      |
|                                | Wave Mode                                       | THP(L)                    | -                         | -        | THP(L) |
|                                | Frequency (B)                                   | Std                       | -                         | -        | Std    |
|                                | Focus (B)                                       | P3                        | -                         | -        | P3     |
| Operating conditions           | Scan's (B)                                      | 100                       | 25                        | 25       | 5.0    |
|                                | Range (cm)                                      | 21.0                      | 5.0                       | -        | 5.0    |
|                                | PRF Limit                                       | ONS                       | OFF                       | -        | OFF    |
|                                | Line Density                                    | Low                       | High                      | -        | High   |
|                                | Flow Mode                                       | n/a                       | n/a                       | n/a      | n/a    |
| Operating conditions           | Ref. Frequency (Color)                          | n/a                       | n/a                       | n/a      | n/a    |
|                                | Focus (Color)                                   | n/a                       | n/a                       | n/a      | n/a    |
|                                | Flow's (Color)                                  | n/a                       | n/a                       | n/a      | n/a    |
|                                | Color Velocity Range (cm/s)                     | n/a                       | n/a                       | n/a      | n/a    |
|                                | Packet Size                                     | n/a                       | n/a                       | n/a      | n/a    |
| Operating conditions           | Flow Area Depth                                 | n/a                       | n/a                       | n/a      | n/a    |
|                                | Color Line Density                              | n/a                       | n/a                       | n/a      | n/a    |
|                                | Pw Mode                                         | n/a                       | n/a                       | n/a      | n/a    |
|                                | High PRF                                        | n/a                       | n/a                       | n/a      | n/a    |
|                                | Ref. Frequency (D)                              | n/a                       | n/a                       | n/a      | n/a    |
| Operating conditions           | Focus (D)                                       | n/a                       | n/a                       | n/a      | n/a    |
|                                | Doppler Velocity Range (cm/s)                   | n/a                       | n/a                       | n/a      | n/a    |
|                                | Sample gate size (cm)                           | n/a                       | n/a                       | n/a      | n/a    |
|                                | Sample gate depth (cm)                          | n/a                       | n/a                       | n/a      | n/a    |
|                                | Trigger Frame Rate                              | n/a                       | n/a                       | n/a      | n/a    |
| Operating conditions           | Triggers VEL Range                              | n/a                       | n/a                       | n/a      | n/a    |
|                                | Flow Area Lock                                  | n/a                       | n/a                       | n/a      | n/a    |

NOTE 1 : Data should only be entered in one of the columns related to TIS

NOTE 2 : Information need not be provided regarding TIS for any "transmission" cases, not intended for transmission or resonant acoustic case

NOTE 3 : If the requirements of 20112.2.2 are met, it is not required to enter any of the columns related to TIS, TIB or TTC.

NOTE 4 : If the requirements of 20112.2.2b are met, it is not required to enter data in the columns related to ME.

|  | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 | 24-25 | 25-26 | 26-27 | 27-28 | 28-29 | 29-30 | 30-31 | 31-32 | 32-33 | 33-34 | 34-35 | 35-36 | 36-37 | 37-38 | 38-39 | 39-40 | 40-41 | 41-42 | 42-43 | 43-44 | 44-45 | 45-46 | 46-47 | 47-48 | 48-49 | 49-50 | 50-51 | 51-52 | 52-53 | 53-54 | 54-55 | 55-56 | 56-57 | 57-58 | 58-59 | 59-60 | 60-61 | 61-62 | 62-63 | 63-64 | 64-65 | 65-66 | 66-67 | 67-68 | 68-69 | 69-70 | 70-71 | 71-72 | 72-73 | 73-74 | 74-75 | 75-76 | 76-77 | 77-78 | 78-79 | 79-80 | 80-81 | 81-82 | 82-83 | 83-84 | 84-85 | 85-86 | 86-87 | 87-88 | 88-89 | 89-90 | 90-91 | 91-92 | 92-93 | 93-94 | 94-95 | 95-96 | 96-97 | 97-98 | 98-99 | 99-100 | 100-101 | 101-102 | 102-103 | 103-104 | 104-105 | 105-106 | 106-107 | 107-108 | 108-109 | 109-110 | 110-111 | 111-112 | 112-113 | 113-114 | 114-115 | 115-116 | 116-117 | 117-118 | 118-119 | 119-120 | 120-121 | 121-122 | 122-123 | 123-124 | 124-125 | 125-126 | 126-127 | 127-128 | 128-129 | 129-130 | 130-131 | 131-132 | 132-133 | 133-134 | 134-135 | 135-136 | 136-137 | 137-138 | 138-139 | 139-140 | 140-141 | 141-142 | 142-143 | 143-144 | 144-145 | 145-146 | 146-147 | 147-148 | 148-149 | 149-150 | 150-151 | 151-152 | 152-153 | 153-154 | 154-155 | 155-156 | 156-157 | 157-158 | 158-159 | 159-160 | 160-161 | 161-162 | 162-163 | 163-164 | 164-165 | 165-166 | 166-167 | 167-168 | 168-169 | 169-170 | 170-171 | 171-172 | 172-173 | 173-174 | 174-175 | 175-176 | 176-177 | 177-178 | 178-179 | 179-180 | 180-181 | 181-182 | 182-183 | 183-184 | 184-185 | 185-186 | 186-187 | 187-188 | 188-189 | 189-190 | 190-191 | 191-192 | 192-193 | 193-194 | 194-195 | 195-196 | 196-197 | 197-198 | 198-199 | 199-200 | 200-201 | 201-202 | 202-203 | 203-204 | 204-205 | 205-206 | 206-207 | 207-208 | 208-209 | 209-210 | 210-211 | 211-212 | 212-213 | 213-214 | 214-215 | 215-216 | 216-217 | 217-218 | 218-219 | 219-220 | 220-221 | 221-222 | 222-223 | 223-224 | 224-225 | 225-226 | 226-227 | 227-228 | 228-229 | 229-230 | 230-231 | 231-232 | 232-233 | 233-234 | 234-235 | 235-236 | 236-237 | 237-238 | 238-239 | 239-240 | 240-241 | 241-242 | 242-243 | 243-244 | 244-245 | 245-246 | 246-247 | 247-248 | 248-249 | 249-250 | 250-251 | 251-252 | 252-253 | 253-254 | 254-255 | 255-256 | 256-257 | 257-258 | 258-259 | 259-260 | 260-261 | 261-262 | 262-263 | 263-264 | 264-265 | 265-266 | 266-267 | 267-268 | 268-269 | 269-270 | 270-271 | 271-272 | 272-273 | 273-274 | 274-275 | 275-276 | 276-277 | 277-278 | 278-279 | 279-280 | 280-281 | 281-282 | 282-283 | 283-284 | 284-285 | 285-286 | 286-287 | 287-288 | 288-289 | 289-290 | 290-291 | 291-292 | 292-293 | 293-294 | 294-295 | 295-296 | 296-297 | 297-298 | 298-299 | 299-300 | 300-301 | 301-302 | 302-303 | 303-304 | 304-305 | 305-306 | 306-307 | 307-308 | 308-309 | 309-310 | 310-311 | 311-312 | 312-313 | 313-314 | 314-315 | 315-316 | 316-317 | 317-318 | 318-319 | 319-320 | 320-321 | 321-322 | 322-323 | 323-324 | 324-325 | 325-326 | 326-327 | 327-328 | 328-329 | 329-330 | 330-331 | 331-332 | 332-333 | 333-334 | 334-335 | 335-336 | 336-337 | 337-338 | 338-339 | 3 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
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| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table

| Index label                      | MT                   | Scan | TTS<br>$A_{wp}(1\text{cm}^2) A_{wp} > 1\text{cm}^2$ | TTB<br>Non-scan | TTC   |
|----------------------------------|----------------------|------|-----------------------------------------------------|-----------------|-------|
| Maximum Index Value              | 0.80                 | -    | 0.76                                                | -               | 1.5   |
| $P_{r,a}$                        | 1.8                  | -    | -                                                   | -               | -     |
| $P$                              | (mW)                 | -    | 32                                                  | 25              | 25    |
| Min of $[P_a(t_a), I_{wa}(t_a)]$ | (mW)                 | -    | -                                                   | -               | -     |
| $I_a$                            | (cm)                 | -    | -                                                   | -               | -     |
| $I_{wa}$                         | (cm)                 | -    | -                                                   | -               | -     |
| $I_{wa}$                         | (cm)                 | -    | -                                                   | 0.70            | -     |
| $I_a$ at max $I_{wa}$            | (cm)                 | 2.0  | -                                                   | -               | -     |
| $I_{wa}$ at max $I_a$            | (cm)                 | -    | -                                                   | 0.22            | -     |
| $I_{wa}$                         | (MHz)                | 5.0  | -                                                   | 5.0             | 5.0   |
| Dim of $A_{wp}$                  | (cm)                 | -    | 1.2                                                 | 0.28            | 0.20  |
| $I_a$                            | (cm)                 | -    | 0.65                                                | 0.65            | 0.65  |
| $I_a$                            | (μsec)               | 0.72 | -                                                   | -               | -     |
| $I_{wa}$ at max $I_a$            | (Hz)                 | 814  | -                                                   | -               | -     |
| $I_{wa}$ at max $I_a$            | (MPa)                | 2.4  | -                                                   | -               | -     |
| $I_{wa}$ at max $I_a$            | (cm)                 | -    | -                                                   | 0.22            | -     |
| Information                      | (W/cm <sup>2</sup> ) | 195  | -                                                   | -               | -     |
| $I_{wa}$ at max $I_a$            | (cm)                 | -    | 7.4                                                 | -               | 0.28  |
| Focal Length                     | (cm)                 | -    | 2.5                                                 | -               | 2.5   |
| $I_{wa}$                         | (cm)                 | -    | -                                                   | -               | -     |
| PWR%                             | (%)                  | 100  | -                                                   | 100             | 100   |
| Tx Mode                          | Pwr                  | -    | Pwr                                                 | -               | Pwr   |
| Wave Mode                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Frequency (B)                    | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Focus (B)                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Scan% (B)                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Range                            | (cm)                 | n/a  | n/a                                                 | n/a             | n/a   |
| PRF Limit                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Line Density                     | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Flow Mode                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Ref. Frequency (Color)           | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Focus (Color)                    | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Flow% (Color)                    | (%)                  | n/a  | n/a                                                 | n/a             | n/a   |
| Color Velocity Range             | (cm/s)               | n/a  | n/a                                                 | n/a             | n/a   |
| Packet Size                      | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Flow Arms Depth                  | (cm)                 | n/a  | n/a                                                 | n/a             | n/a   |
| Color Line Density               | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Pw Mode                          | PW                   | -    | PW                                                  | -               | PW    |
| High PRF                         | OFF                  | -    | OFF                                                 | -               | OFF   |
| Ref. Frequency (D)               | Ratio                | -    | Ratio                                               | -               | Ratio |
| Focus (D)                        | F4                   | -    | F8                                                  | -               | F1    |
| Doppler Velocity Range           | (cm/s)               | 6.23 | -                                                   | 61.30           | 93.75 |
| Sample gate size                 | (cm)                 | 0.1  | -                                                   | 0.1             | 0.1   |
| Sample gate depth                | (cm)                 | 1.6  | -                                                   | 13.0            | 0.0   |
| Triplex Frame Rate               | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Triplex VEL Range                | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |
| Flow Arms Lock                   | n/a                  | n/a  | n/a                                                 | n/a             | n/a   |

NOTE 1: Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TIC for any transducer element not intended for transposed or non-scan mode

NOTE 3: If the measurements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TTB or TTC.

NOTE 4: If the measurements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5: Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| Measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_a$                       | 37.14% |
| $P_r$                       | 18.75% |

|                  |                              |
|------------------|------------------------------|
| Display accuracy |                              |
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                      | MT                   | Scan | TTS<br>$A_{wp}(1\text{cm}^2) A_{wp} > 1\text{cm}^2$ | TTB<br>Non-scan | TTC     |
|----------------------------------|----------------------|------|-----------------------------------------------------|-----------------|---------|
| Maximum Index Value              | 1.1                  | -    | 0.33                                                | -               | 0.33    |
| $P_{r,a}$                        | 2.5                  | -    | -                                                   | -               | -       |
| $P$                              | (mW)                 | -    | 14                                                  | 8.5             | 14      |
| Min of $[P_a(t_a), I_{wa}(t_a)]$ | (mW)                 | -    | -                                                   | -               | -       |
| $I_a$                            | (cm)                 | -    | -                                                   | -               | -       |
| $I_{wa}$                         | (cm)                 | -    | -                                                   | -               | -       |
| $I_{wa}$                         | (cm)                 | -    | -                                                   | 2.2             | -       |
| $I_a$ at max $I_{wa}$            | (cm)                 | 2.5  | -                                                   | -               | -       |
| $I_{wa}$ at max $I_a$            | (cm)                 | -    | -                                                   | 0.16            | -       |
| $I_{wa}$                         | (MHz)                | 5.2  | -                                                   | 5.1             | 5.1     |
| Dim of $A_{wp}$                  | (cm)                 | -    | 1.3                                                 | 0.81            | 1.3     |
| $I_a$                            | (cm)                 | -    | 0.65                                                | 0.65            | 0.65    |
| $I_a$                            | (μsec)               | 0.25 | -                                                   | -               | -       |
| $I_{wa}$ at max $I_a$            | (Hz)                 | 2003 | -                                                   | -               | -       |
| $I_{wa}$ at max $I_a$            | (MPa)                | 3.8  | -                                                   | -               | -       |
| $I_{wa}$ at max $I_a$            | (cm)                 | -    | -                                                   | 0.15            | -       |
| Information                      | (W/cm <sup>2</sup> ) | 388  | -                                                   | -               | -       |
| $I_{wa}$ at max $I_a$            | (cm)                 | -    | 8.2                                                 | -               | 6.7     |
| Focal Length                     | (cm)                 | -    | 2.8                                                 | -               | 2.8     |
| $I_{wa}$                         | (cm)                 | -    | -                                                   | -               | -       |
| PWR%                             | (%)                  | 100  | -                                                   | 100             | 100     |
| Tx Mode                          | M                    | -    | M                                                   | -               | M       |
| Wave Mode                        | TH(P.L)              | -    | TH(P.L)                                             | -               | TH(P.L) |
| Frequency (B)                    | Std                  | -    | Std                                                 | -               | Std     |
| Focus (B)                        | F4                   | -    | F8                                                  | -               | F4      |
| Scan% (B)                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Range                            | (cm)                 | 21.0 | -                                                   | 21.0            | 21.0    |
| PRF Limit                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Line Density                     | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Flow Mode                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Ref. Frequency (Color)           | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Focus (Color)                    | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Flow% (Color)                    | (%)                  | n/a  | n/a                                                 | n/a             | n/a     |
| Color Velocity Range             | (cm/s)               | n/a  | n/a                                                 | n/a             | n/a     |
| Packet Size                      | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Flow Arms Depth                  | (cm)                 | n/a  | n/a                                                 | n/a             | n/a     |
| Color Line Density               | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Pw Mode                          | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| High PRF                         | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Ref. Frequency (D)               | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Focus (D)                        | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Doppler Velocity Range           | (cm/s)               | n/a  | n/a                                                 | n/a             | n/a     |
| Sample gate size                 | (cm)                 | n/a  | n/a                                                 | n/a             | n/a     |
| Sample gate depth                | (cm)                 | n/a  | n/a                                                 | n/a             | n/a     |
| Triplex Frame Rate               | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Triplex VEL Range                | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |
| Flow Arms Lock                   | n/a                  | n/a  | n/a                                                 | n/a             | n/a     |

NOTE 1: Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TIC for any transducer element not intended for transposed or non-scan mode

NOTE 3: If the measurements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TTB or TTC.

NOTE 4: If the measurements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5: Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| Measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_a$                       | 37.14% |
| $P_r$                       | 18.75% |

|                  |                              |
|------------------|------------------------------|
| Display accuracy |                              |
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                      | <i>Mf</i>            | Scan   | <i>TTS</i><br>$A_{eq}(cm^2) A_{eq}(cm^2)$ | <i>TTB</i><br>Non-scan | <i>TTC</i> |       |
|--------------------------------|--------------------------------------|----------------------|--------|-------------------------------------------|------------------------|------------|-------|
| Maximum Index Values           |                                      | 1.1                  | -      | 0.75                                      | -                      | 1.8        |       |
| Associated acoustic parameters | $P_{1,a}$                            | (MPa)                | 2.5    | -                                         | -                      | 1.5        |       |
|                                | $P_{1,a}$                            | (mW)                 | -      | -                                         | -                      | -          |       |
|                                | Min of $[P_{1,a}, f_{max}, f_{a,0}]$ | (mW)                 | -      | 32                                        | -                      | 28         |       |
|                                | $f_{a,0}$                            | (cm)                 | -      | -                                         | -                      | -          |       |
|                                | $f_{a,0}$                            | (cm)                 | -      | -                                         | -                      | -          |       |
|                                | $f_{a,0}$                            | (cm)                 | -      | -                                         | 0.84                   | -          |       |
| Other                          | $f_{a,0}$ at max. $f_{a,0}$          | (cm)                 | 2.5    | -                                         | -                      | -          |       |
|                                | $f_{a,0}$ at max. $f_{a,0}$          | (cm)                 | -      | -                                         | -                      | -          |       |
|                                | Dim of $A_{eq}$                      | X                    | B5.16  | -                                         | D4.96                  | D5         |       |
|                                | Dim of $A_{eq}$                      | Y                    | -      | 1.2                                       | -                      | 0.41       |       |
|                                | $f_{a,0}$                            | (μsec)               | 0.25   | -                                         | 0.65                   | 0.65       |       |
|                                | $f_{a,0}$                            | (Hz)                 | 18012  | -                                         | -                      | 0.34       |       |
| Information                    | $f_{a,0}$ at max. $f_{a,0}$          | (MPa)                | 3.8    | -                                         | -                      | B5.1, D5.5 |       |
|                                | $f_{a,0}$ at max. $f_{a,0}$          | (cm)                 | -      | -                                         | -                      | 0.41       |       |
|                                | $f_{a,0}$ at max. $Mf$               | (W/cm <sup>2</sup> ) | 388    | -                                         | -                      | 0.65       |       |
|                                | Focal Length                         | FLx                  | -      | 7.4                                       | -                      | 0.28       |       |
|                                | FLy                                  | -                    | 2.5    | -                                         | 2.5                    | -          |       |
|                                | FLz                                  | -                    | -      | -                                         | -                      | -          |       |
| Operating control conditions   | FWHM                                 | (%)                  | 100    | -                                         | 100                    | 100        |       |
|                                | Tx Mode                              | BPw                  | -      | BPw                                       | -                      | BPw        |       |
|                                | Wave Mode                            | TH(P, L)             | -      | TH(P, L)                                  | -                      | TH(P, L)   |       |
|                                | Frequency (B)                        | Std                  | -      | Std                                       | -                      | Std        |       |
|                                | Focus (D)                            | F4                   | -      | F1                                        | -                      | F1         |       |
|                                | Scan/s (B)                           | 25                   | -      | 25                                        | -                      | 25         |       |
|                                | Range                                | 11.0                 | -      | 14.0                                      | -                      | 5.0        |       |
|                                | PRF Limit                            | OFF                  | -      | OFF                                       | -                      | OFF        |       |
|                                | Line Density                         | High                 | -      | Low                                       | -                      | Low        |       |
|                                | Flow Mode                            | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Ref. Frequency (Color)               | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Focus (Color)                        | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Flow/s (Color)                       | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Color Velocity Range                 | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Parker Size                          | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Flow Area Depth                      | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Color Line Density                   | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
|                                | Pw Mode                              | FW                   | -      | FW                                        | -                      | FW         |       |
|                                | High PRF                             | OFF                  | -      | OFF                                       | -                      | OFF        |       |
|                                | Ref. Frequency (D)                   | Renov                | -      | Renov                                     | -                      | Renov      |       |
|                                | Focus (D)                            | F6                   | -      | F8                                        | -                      | F3         |       |
|                                | Doppler Velocity Range               | (cm/s)               | 120.91 | -                                         | 39.84                  | -          | 88.54 |
|                                | Sample gate size                     | (cm)                 | 0.1    | -                                         | 0.1                    | -          | 0.1   |
|                                | Sample gate depth                    | (cm)                 | 4.4    | -                                         | 8.8                    | -          | 1.0   |
| Triplets Frame Rate            | n/a                                  | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
| Triplets VEL Range             | n/a                                  | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |
| Flow Area Lock                 | n/a                                  | n/a                  | n/a    | n/a                                       | n/a                    | n/a        |       |

NOTE 1: Data should only be entered if one of the columns related to TTS

NOTE 2: Information need not be provided regarding TTS for any instrument currently not intended for transcranial or neonatal Doppler uses

NOTE 3: If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TTB or TTD.

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

**NOTE ! Note should not be entered in any of the columns related to THE FOLLOWING LOOKS**

NOTE 1. Cells grown only in DMEM or DMEM containing 10% FBS were harvested at day 14.

NOTE 2. Information need not be provided unless TPO has been demonstrated to be essential for hematopoietic stem-cell self-renewal.

NOTE 2. Information need not be provided regarding TCU for any transaction resulting from enforcement of financial reporting laws.

NOTE 3 If the requirements of 2011.12.4.2.3 are met, it is not required to enter any data in the columns relating to 110, 112 or 113.

NOTE 4 If the requirements of 2011.12.4.2.3 are met, it is not required to enter any data in the column relating to 111.

NOTE 5 Focal Length is a NOMINAL value

1000

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_P$                       | 37.14% |
| $B$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 - Acoustic output reporting table

| Index label                    |                                              | MI                   | Scan  | TIS    | TIB   | TTC    |
|--------------------------------|----------------------------------------------|----------------------|-------|--------|-------|--------|
| Associated acoustic parameters | Maximum Index Value                          | 0.81                 | -     | -      | -     | 1.4    |
|                                | $f_{\text{max}}$                             | (MPa)                | -     | 0.75   | -     | 2.0    |
|                                | $f_{\text{min}}$                             | (mW)                 | -     | 32     | -     | 26     |
|                                | Min of $f_{\text{max}}$ ( $f_{\text{max}}$ ) | (mW)                 | -     | -      | -     | -      |
|                                | $f_{\text{max}}$                             | (cm)                 | -     | -      | -     | -      |
|                                | $f_{\text{min}}$                             | (cm)                 | -     | -      | -     | 0.70   |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$    | (cm)                 | 2.6   | -      | -     | -      |
|                                | $f_{\text{min}}$ at max. $f_{\text{min}}$    | (cm)                 | -     | -      | -     | -      |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$    | (cm)                 | -     | -      | -     | 0.23   |
|                                | $f_{\text{min}}$ at max. $f_{\text{min}}$    | (cm)                 | -     | -      | -     | 5.0    |
| Other Information              | Dim of $f_{\text{max}}$                      | (cm)                 | -     | 1.2    | -     | 0.28   |
|                                | Dim of $f_{\text{min}}$                      | (cm)                 | -     | 0.65   | -     | 0.65   |
|                                | $f_{\text{max}}$                             | (junc)               | 0.51  | -      | -     | -      |
|                                | $f_{\text{min}}$                             | (Hz)                 | 1628  | -      | -     | -      |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$    | (MPa)                | 2.6   | -      | -     | -      |
|                                | $f_{\text{min}}$ at max. $f_{\text{min}}$    | (cm)                 | -     | -      | -     | -      |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$    | (W/cm <sup>2</sup> ) | 215   | -      | -     | -      |
|                                | Focal Length                                 | (cm)                 | -     | 7.6    | -     | 0.57   |
|                                | $f_{\text{max}}$                             | (cm)                 | -     | 2.5    | -     | 2.5    |
|                                | $f_{\text{min}}$                             | (%)                  | 100   | -      | -     | 100    |
| Operating conditions           | Ti Mode                                      | M/Flow               | -     | M/Flow | -     | M/Flow |
|                                | Wave Mode                                    | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Frequency (B)                                | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Focus (B)                                    | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Scan's (B)                                   | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Range                                        | 21.0                 | -     | 14.0   | -     | 2.5    |
|                                | PF Limit                                     | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Line Density                                 | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Flow Mode                                    | Flow                 | Flow  | Flow   | Flow  | Flow   |
|                                | Ref. Frequency (Color)                       | Reso                 | -     | Reso   | -     | Reso   |
| Flow Area Lock                 | Focus (Color)                                | F5                   | -     | F8     | -     | F2     |
|                                | Flow's (Color)                               | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Color Velocity Range                         | (cm/s)               | 12.45 | -      | 36.22 | -      |
|                                | Picked Size                                  | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Flow Area Depth                              | (cm)                 | 21.0  | -      | 21.0  | -      |
|                                | Color Line Density                           | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Flow Mode                                    | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | High PRF                                     | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Ref. Frequency (D)                           | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Focus (D)                                    | n/a                  | n/a   | n/a    | n/a   | n/a    |
| Flow Area Lock                 | Doppler Velocity Range                       | (cm/s)               | n/a   | n/a    | n/a   | n/a    |
|                                | Sample gate size                             | (cm)                 | n/a   | n/a    | n/a   | n/a    |
|                                | Sample gate depth                            | (cm)                 | n/a   | n/a    | n/a   | n/a    |
|                                | Triplets Frame Rate                          | (cm)                 | n/a   | n/a    | n/a   | n/a    |
|                                | Triplets VEL Range                           | n/a                  | n/a   | n/a    | n/a   | n/a    |
|                                | Flow Area Lock                               | n/a                  | n/a   | n/a    | n/a   | n/a    |

NOTE 1: Data should only be entered if one of the columns related to TIS

NOTE 2: Information not be provided regarding TIO for any "transmission anomaly" not intended for transmittal or recorded capsule use

NOTE 3: Information not be provided regarding TIO for any "transmission anomaly" not intended for transmittal or recorded capsule use

NOTE 4: If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIO.

NOTE 5: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to ME.

**Flow Area Loss**

NOTE: Values should only be entered in one of the columns related to 123

NO 1112 Information need not be provided regarding TIO for any Transfusion Assembly not intended for Transfusion or neonatal cap.

NOTE 3 If the requirements of 201.12.4.2.2 are met, it is not required to enter any data in the columns related to ME

NOTE 4 If the requirements of 201.12.4.2.3 are met, it is not required to enter any data in the columns related to ME

NOTE 5: Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

# ARIETTA 50

## C41V1 Convex

Acoustic power is controllable by the user.

| parameter                        | Model    | B <sub>0</sub> | B <sub>0max</sub> | M <sub>0</sub> | M <sub>0max</sub> | D <sub>0</sub> | D <sub>0max</sub> | (M+Color)P | (M+Color)Jp | (B+Color)Jp | (B+Color+D)P | (B+Color+D)Jp |
|----------------------------------|----------|----------------|-------------------|----------------|-------------------|----------------|-------------------|------------|-------------|-------------|--------------|---------------|
| transmitter                      |          |                |                   |                |                   |                |                   |            |             |             |              |               |
| Maximum power                    | (mW)     | 17             | 23                | 7.8            | 16                | 23             | 29                | 27         | 23          | 41          | 33           | 29            |
| P <sub>r</sub>                   | (MPa)    | 2.3            | 4.5               | 4.5            | 4.5               | 4.5            | 4.5               | 4.5        | 2.3         | 4.5         | 1.7          | 4.5           |
| I <sub>0</sub>                   | (mW/cm²) | 31             | 58                | 15             | 29                | 46             | 57                | 53         | 67          | 86          | 169          | 42            |
| I <sub>0max</sub>                | (mW/cm²) | 6.9            | 47                | 396            | 792               | 836            | 1321              | 964        | 1102        | 19          | 115          | 1115          |
| PWR%                             | (%)      | 100            | 100               | 100            | 100               | 100            | 100               | 100        | 100         | 100         | 100          | 100           |
| Tx Mode                          |          | B              | B                 | M              | M                 | Pw             | Pw                | MFlow      | MFlow       | BFlow       | BFlow        | BFlow/Pw      |
| Wave Mode                        |          | FND            | FND               | FND            | THHP-1            | n/a            | n/a               | -          | -           | FND         | FND          | THHP-1        |
| Frequency (B)                    |          | Reso           | Reso              | Reso           | High              | n/a            | n/a               | n/a        | n/a         | Std         | Std          | Std           |
| Focus (B)                        |          | F4             | F4                | F4             | F4                | n/a            | n/a               | n/a        | n/a         | F1          | F2           | F4            |
| Scans (B)                        |          | 25             | 25                | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | 100         | 25           | 100           |
| Range                            | (cm)     | 3.0            | 3.0               | 21.0           | 21.0              | n/a            | n/a               | 21.0       | 21.0        | 2.5         | 2.5          | 12.0          |
| PRF Limit                        |          | ON             | ON                | OFF            | n/a               | n/a            | n/a               | n/a        | n/a         | ON          | OFF          | OFF           |
| Line Density                     |          | Low            | High              | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | Low         | High         | Medium        |
| Flow Mode                        |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | Flow        | Flow         | Flow          |
| Ref. Frequency (Color)           |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | Reso        | Reso         | Reso          |
| Flow% (Color)                    |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | F5          | F5           | F7            |
| Color Velocity Range             | (cm/s)   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | 15          | 15           | 15            |
| Packet Size                      | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | 9.56       | 72.44       | 0.63        | 0.63         | 16.60         |
| Flow Area Depth                  |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | 21.0       | 21.0        | Low         | High         | High          |
| Color Line Density               | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | 2.5         | 2.5          | 12.0          |
| Pw Mode                          |          | n/a            | n/a               | n/a            | n/a               | PW             | PW                | n/a        | n/a         | n/a         | n/a          | PW            |
| High PRF                         |          | n/a            | n/a               | n/a            | n/a               | OFF            | OFF               | n/a        | n/a         | OFF         | OFF          | OFF           |
| Ref. Frequency (D)               |          | n/a            | n/a               | n/a            | n/a               | Reso           | Reso              | n/a        | n/a         | n/a         | n/a          | Reso          |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a               | n/a            | n/a               | F5             | F5                | n/a        | n/a         | n/a         | n/a          | F5            |
| Sample gate size                 | (cm)     | n/a            | n/a               | n/a            | n/a               | 6.23           | 6.23              | n/a        | n/a         | n/a         | n/a          | 6.23          |
| Sample gate depth                | (cm)     | n/a            | n/a               | n/a            | n/a               | 0.1            | 0.1               | n/a        | n/a         | n/a         | n/a          | 0.1           |
| Triplex Frame Rate               | (cm)     | n/a            | n/a               | n/a            | n/a               | 2.8            | 2.8               | n/a        | n/a         | n/a         | n/a          | 2.8           |
| Flow Area Lock                   |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | n/a         | n/a          | Medium        |
| F <sub>0</sub>                   | (f) (mm) | 27             | 22                | 27             | 27                | 29             | 29                | 29         | 23          | 29          | 23           | 29            |
| W <sub>0</sub>                   | (f) (mm) | 1.3            | 1.5               | 1.3            | 1.3               | 2.0            | 2.0               | 2.1        | 1.9         | 2.1         | 2.1          | 2.0           |
| JPR (PRF)                        | (Hz)     | 3.3            | 1.6               | 1.3            | 1.3               | 1.5            | 1.5               | 1.6        | 1.5         | 1.6         | 1.6          | 1.5           |
| JPR (SCT)                        | (Hz)     | 28             | 219               | n/a            | 2006              | n/a            | 35042             | 1302       | 9470        | n/a         | n/a          | n/a           |
| M <sub>0</sub>                   |          | 1.0            | 1.0               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | n/a         | n/a          | n/a           |
| M <sub>0</sub>                   |          | 77             | 40                | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | n/a         | n/a          | n/a           |
| Output beam dimensions           | (f) (mm) | 8.1            | 6.1               | 8.1            | 8.1               | 7.7            | 7.7               | 7.7        | 5.3         | 7.7         | 7.7          | 7.7           |
| f <sub>0</sub>                   | (f) (mm) | 6.6            | 6.6               | 6.6            | 6.6               | 6.6            | 6.6               | 6.6        | 6.6         | 6.6         | 6.6          | 6.6           |
| Acoustic Power-up function       | (MHz)    | 5.8            | 5.0               | 5.8            | 5.8               | 5.0            | 5.0               | 5.0        | 5.0         | 5.0         | 5.0          | 5.0           |
| Power-up mode                    | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | n/a         | n/a          | n/a           |
| Acoustic Initialization function | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | n/a         | n/a          | n/a           |
| Initialization mode              | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a         | n/a         | n/a          | n/a           |
| Acoustic output event            | (mm)     | Yes            | Yes               | Yes            | Yes               | Yes            | Yes               | Yes        | Yes         | Yes         | Yes          | Yes           |
| F <sub>0</sub>                   | (mm)     | 1.2            | 1.2               | 1.2            | 1.2               | 1.2            | 1.2               | 1.2        | 1.2         | 1.2         | 1.2          | 1.2           |
| F <sub>0</sub>                   | (mm)     | contact        | contact           | contact        | contact           | contact        | contact           | contact    | contact     | contact     | contact      | contact       |

| measurement uncertainty (%) |         |
|-----------------------------|---------|
| P                           | ±5.00%  |
| I <sub>0</sub>              | ±7.14%  |
| F <sub>0</sub>              | ±18.75% |

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Table 201.103 – Acoustic output reporting table

| Index label                    |                                        | M/I                  | TIS                           |                               | TIB                           | TTC     |
|--------------------------------|----------------------------------------|----------------------|-------------------------------|-------------------------------|-------------------------------|---------|
| Maximum Index Value            |                                        |                      | Scan                          | Non-scan                      | Non-scan                      |         |
|                                |                                        |                      | $A_{opt} \leq 1 \text{ cm}^2$ | $A_{opt} \leq 1 \text{ cm}^2$ | $A_{opt} \leq 1 \text{ cm}^2$ |         |
| Associated acoustic parameters | $P_{t,a}$                              | 1.3                  | 0.57                          | -                             | -                             | 0.64    |
|                                | $P_r$                                  | 3.0                  | -                             | -                             | -                             | -       |
|                                | $P$                                    | (mW)                 | -                             | -                             | -                             | -       |
|                                | $\text{Min of } [P_a(r), I_{\max}(r)]$ | (mW)                 | 23                            | -                             | 10                            | 28      |
|                                | $P_s$                                  | (cm)                 | -                             | -                             | -                             | -       |
|                                | $I_{tg}$                               | (cm)                 | -                             | -                             | -                             | -       |
|                                | $P_{sa}$                               | (cm)                 | -                             | -                             | 2.2                           | -       |
|                                | $I_a$ at max $I_{dca}$                 | (cm)                 | 2.4                           | -                             | -                             | -       |
|                                | $d_{ref}(z_0)$                         | (cm)                 | -                             | -                             | 0.17                          | -       |
|                                | $f_{ref}$                              | (MHz)                | 5.0                           | 5.4                           | -                             | 5.0     |
| Other                          | $\text{Dim of } A_{opt}$               | X                    | 1.4                           | -                             | 0.81                          | 1.3     |
|                                | Y                                      | Y                    | 0.66                          | -                             | 0.66                          | 0.66    |
| Information                    | $I_d$                                  | 0.26                 | -                             | -                             | -                             | -       |
|                                | $p_{err}$                              | (Hz)                 | 2527                          | -                             | -                             | -       |
|                                | $P_t$ at max $I_d$                     | (MPa)                | 4.3                           | -                             | -                             | -       |
|                                | $I_{as}$ at max $I_d$                  | (cm)                 | -                             | -                             | 0.17                          | -       |
|                                | $I_{dca}$ at max $I_d$                 | (W/cm <sup>2</sup> ) | 827                           | -                             | -                             | -       |
|                                | Focal Length                           | (cm)                 | FLx                           | 0.86                          | -                             | 0.37    |
|                                | FLy                                    | (cm)                 | FLy                           | 2.8                           | -                             | 2.8     |
|                                | PRF/RFC                                | (%)                  | 100                           | 100                           | -                             | 100     |
|                                | Tx Mode                                | B/M                  | B/M                           | -                             | B/M                           | B/M     |
|                                | Wave Mode                              | FND                  | FND                           | -                             | TH(P-L)                       | TH(P-L) |
| Operating control conditions   | Frequency (B)                          | Ssd                  | Razo                          | Ssd                           | Ssd                           | Ssd     |
|                                | Focus (B)                              | F4                   | F2                            | -                             | F4                            | F1      |
|                                | Scan's (B)                             | 100                  | 25                            | -                             | 100                           | 25      |
|                                | Range                                  | 21.0                 | 2.5                           | -                             | 21.0                          | 2.5     |
|                                | PRF Limit                              | ON                   | OFF                           | -                             | ON                            | OFF     |
|                                | Line Density                           | Low                  | Medium                        | -                             | Low                           | Medium  |
|                                | Flow Mode                              | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Ref. Frequency (Color)                 | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Focus (Color)                          | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Flow's (Color)                         | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Color Velocity Range                   | (cm/s)               | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Packet Size                            | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Flow Area Depth                        | (cm)                 | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Color Line Density                     | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Pw Mode                                | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | High PRF                               | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Ref. Frequency (D)                     | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Focus (D)                              | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Doppler Velocity Range                 | (cm/s)               | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Sample gate size                       | (cm)                 | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Sample gate depth                      | (cm)                 | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Triplex Frame Rate                     | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Triplex VEL Range                      | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |
|                                | Flow Area Lock                         | n/a                  | n/a                           | n/a                           | n/a                           | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any measurement system, v not intended for transcranial or neonatal capillary uses

**NOTE 2** Information needed FOR THE PREVIOUS REQUIREMENT IS NOT REQUIRED TO ENTER ANY DATA IN THE COLUMNS RELATED TO TDS, TBH OR TAG.

NOTE 4 If the requirements of 201.12.4.2b are

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| 25.00%                      |
| $I_{\text{sp}}$             |
| 37.14%                      |
| $D$                         |
| 18.75%                      |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

|                     | Index label                                            | M/I  | TIS  | TIR      | TTC      |
|---------------------|--------------------------------------------------------|------|------|----------|----------|
| Maximum Index Value |                                                        |      | Scan | Non-scan |          |
|                     | $P_{\text{ave}}$ (mPa)                                 | 1.3  | 0.64 | -        | 0.73     |
|                     | $P_{\text{peak}}$ (mW)                                 | 3.0  | -    | -        | -        |
|                     | $\min( P_a(t_s) ,  f_{\max}(t_s) )$ (mW)               | -    | 26   | -        | 30       |
|                     | $f_{\text{sc}}$ (cm)                                   | -    | -    | -        | -        |
|                     | $f_{\text{sp}}$ (cm)                                   | -    | -    | -        | -        |
|                     | $f_{\text{ss}}$ (cm)                                   | -    | -    | -        | -        |
|                     | $f_{\text{at max } f_{\text{ss}}}$ (cm)                | 2.4  | -    | -        | -        |
|                     | $d_{\text{sd}}(t_s)$ (cm)                              | -    | -    | -        | -        |
|                     | $f_{\text{mod}}$ (MHz)                                 | 5.0  | 5.4  | -        | 4.8      |
|                     | $\dim$ of $A_{\text{opt}}$ (cm)                        | X    | 1.4  | -        | 1.2      |
|                     | Y                                                      | Y    | 0.66 | -        | 0.66     |
|                     | $t_d$ ( $\mu\text{scc}$ )                              | 0.26 | -    | -        | -        |
|                     | $p_{\text{err}}$ (Hz)                                  | 2156 | -    | -        | -        |
|                     | $p_i$ at max. $f_p$ (MPa)                              | 4.3  | -    | -        | -        |
|                     | $d_{\text{ss}}$ at max. $f_p$ (cm)                     | -    | -    | -        | -        |
|                     | $f_{\text{ss}, \text{at max } M}$ (W/cm <sup>2</sup> ) | R27  | -    | -        | -        |
|                     | Focal Length (cm)                                      | -    | 0.86 | -        | 0.37     |
|                     | FLy                                                    | -    | 2.8  | -        | 2.8      |
|                     | FWHM (%)                                               | 100  | 100  | -        | 100      |
|                     | TX Mode                                                | B    | B    | -        | B        |
|                     | Wave Mode                                              | FND  | FND  | -        | THQ(P.L) |
|                     | Frequency (B)                                          | Ssd  | Razo | -        | Ssd      |
|                     | Focus (F)                                              | F4   | F2   | -        | F1       |
|                     | Scan's (B) Range                                       | 100  | 25   | -        | 25       |
|                     | PRF Limit                                              | ON   | OFF  | -        | OFF      |
|                     | Line Density                                           | Low  | High | -        | High     |
|                     | Flow Mode                                              | n/a  | n/a  | n/a      | n/a      |
|                     | Ref. Frequency (Color)                                 | n/a  | n/a  | n/a      | n/a      |
|                     | Focus (Color)                                          | n/a  | n/a  | n/a      | n/a      |
|                     | Flow's (Color)                                         | n/a  | n/a  | n/a      | n/a      |
|                     | Color Velocity Range (cm/s)                            | n/a  | n/a  | n/a      | n/a      |
|                     | Packet Size                                            | n/a  | n/a  | n/a      | n/a      |
|                     | Flow Area Depth                                        | n/a  | n/a  | n/a      | n/a      |
|                     | Color Line Density                                     | n/a  | n/a  | n/a      | n/a      |
|                     | Pw Mode                                                | n/a  | n/a  | n/a      | n/a      |
|                     | High PRF                                               | n/a  | n/a  | n/a      | n/a      |
|                     | Ref. Frequency (D)                                     | n/a  | n/a  | n/a      | n/a      |
|                     | Focus (D)                                              | n/a  | n/a  | n/a      | n/a      |
|                     | Doppler Velocity Range (cm/s)                          | n/a  | n/a  | n/a      | n/a      |
|                     | Sample gate size (cm)                                  | n/a  | n/a  | n/a      | n/a      |
|                     | Sample gate depth (cm)                                 | n/a  | n/a  | n/a      | n/a      |
|                     | Triplets Frame Rate                                    | n/a  | n/a  | n/a      | n/a      |
|                     | Triplets VEL Range                                     | n/a  | n/a  | n/a      | n/a      |
|                     | Flow Area Lock                                         | n/a  | n/a  | n/a      | n/a      |

**NOTE 1** Data should only be entered in one of the columns related to TIS

**NOTE 2:** Information need not be provided regarding TIC for any transaction assuming not intended for transactional or nonnetting cephalo uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_p$                       | 37.14% |
| $p_s$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                       | MT                   | Scan  | TDS                       | TTB   | TTC   |
|--------------------------------|---------------------------------------|----------------------|-------|---------------------------|-------|-------|
| Maximum Index Values           | $P_{r,s}$                             | 1.4                  | -     | $A_{eq} < 1 \text{ cm}^2$ | -     | 1.6   |
|                                | $P$                                   | 3.1                  | -     | -                         | -     | -     |
|                                | Min of $[P_{r,s}(f_s), f_{max}(f_s)]$ | -                    | -     | 35                        | -     | 27    |
|                                | $f_s$                                 | (cm)                 | -     | -                         | -     | -     |
| Associated acoustic parameters | $f_{sp}$                              | (cm)                 | -     | -                         | -     | -     |
|                                | $f$ at max. $f_{sp}$                  | (cm)                 | 2.1   | -                         | -     | 0.70  |
|                                | $f_{sp}(f_s)$                         | (cm)                 | -     | -                         | -     | 0.25  |
|                                | $f_{max}$                             | (MHz)                | 5.0   | -                         | 5.0   | 5.0   |
| Other                          | Dim of $A_{eq}$                       | X                    | -     | 1.2                       | -     | 0.28  |
|                                |                                       | Y                    | -     | 0.66                      | -     | 0.66  |
|                                | $f_d$                                 | (qusec)              | 0.73  | -                         | -     | -     |
|                                | $p_{rr}$                              | (Hz)                 | 814   | -                         | -     | -     |
| Information                    | $P_r$ at max. $f_{sp}$                | (MPa)                | 4.2   | -                         | -     | -     |
|                                | $A_{eq}$ at max. $f_{sp}$             | (cm)                 | -     | -                         | -     | 0.21  |
|                                | $f_{max}$ at max. $MT$                | (W/cm <sup>2</sup> ) | 614   | -                         | -     | 0.28  |
|                                | $f_{Tx}$                              | (cm)                 | -     | 7.4                       | -     | 2.5   |
| Operating control conditions   | $f_{Tx}$                              | (cm)                 | -     | -                         | -     | -     |
|                                | PWR%                                  | (%)                  | 100   | -                         | 100   | 100   |
|                                | TX Mode                               | Pw                   | -     | Pw                        | -     | Pw    |
|                                | Wave Mode                             | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Frequency (B)                         | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Focus (B)                             | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Scan's (B)                            | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Range                                 | (cm)                 | n/a   | n/a                       | n/a   | n/a   |
|                                | PRF Limit                             | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Line Density                          | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Flow Mode                             | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Ref. Frequency (Color)                | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Focus (Color)                         | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Flow's (Color)                        | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Color Velocity Range                  | (cm/s)               | n/a   | n/a                       | n/a   | n/a   |
|                                | Packets Size                          | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Flow Area Depth                       | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Color Line Density                    | n/a                  | n/a   | n/a                       | n/a   | n/a   |
|                                | Pw Mode                               | PW                   | -     | PW                        | -     | PW    |
|                                | High PRF                              | OFF                  | -     | OFF                       | -     | OFF   |
| Ref. Frequency (D)             | Ratio                                 | -                    | Ratio | -                         | Ratio |       |
| Focus (D)                      | F4                                    | -                    | F8    | -                         | F2    |       |
| Doppler Velocity Range         | (cm/s)                                | 6.23                 | -     | 19.92                     | -     | 28.46 |
| Sample gate size               | (cm)                                  | 0.1                  | -     | 0.1                       | -     | 0.1   |
| Sample gate depth              | (cm)                                  | 1.6                  | -     | 8.8                       | -     | 0.4   |
| Triplets Frame Rate            | n/a                                   | n/a                  | n/a   | n/a                       | n/a   | n/a   |
| Triplets VFL Range             | n/a                                   | n/a                  | n/a   | n/a                       | n/a   | n/a   |
| Flow Area Lock                 | n/a                                   | n/a                  | n/a   | n/a                       | n/a   | n/a   |

NOTE 1 : Data should not be entered if one of the columns related to TDS

NOTE 2 : Information need not be provided regarding TTC for any "non-scan" activity not intended for transcranial or noncranial capsule uses

NOTE 3 : If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TDS, TTB or TTC.

NOTE 4 : If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MT.

NOTE 1 Data should only be entered in one of the columns related to TIS

|       |        |
|-------|--------|
| $p$   | 25.00% |
| $I_H$ | 37.14% |
| $n$   | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label          |                                                 | M/I    | Scan | TIS                                                             | TIR      | TIC    |
|----------------------|-------------------------------------------------|--------|------|-----------------------------------------------------------------|----------|--------|
|                      |                                                 |        |      | $A_{avg} \leq 1 \text{ cm}^2 / A_{spot} \times 10^{\text{m}^2}$ | Non-scan |        |
| Maximum Index Value  | $P_{\text{max}}$                                | (MPa)  | -    | -                                                               | -        | 0.53   |
|                      | $P$                                             | (mW)   | -    | 21                                                              | -        | 15     |
|                      | Min of $[P_{\text{max}}, I_{\text{max}}(x, y)]$ | (mW)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{max}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{avg}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{min}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{max}}$ at max. $I_{\text{avg}}$       | (cm)   | 2.4  | -                                                               | -        | 1.9    |
|                      | $I_{\text{avg}}$ at max. $I_{\text{avg}}$       | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{min}}$ at max. $I_{\text{avg}}$       | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{max}}$ at max. $I_{\text{avg}}$       | (cm)   | -    | -                                                               | -        | -      |
| Other Information    | Dim of $A_{\text{spot}}$                        | (mm)   | -    | 5.7                                                             | -        | 5.0    |
|                      | $I_{\text{avg}}$                                | (cm)   | -    | 1.3                                                             | -        | 0.61   |
|                      | $I_{\text{min}}$                                | (cm)   | -    | 0.66                                                            | -        | 0.66   |
|                      | $I_{\text{max}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{avg}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{min}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{max}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{avg}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{min}}$                                | (cm)   | -    | -                                                               | -        | -      |
|                      | $I_{\text{max}}$                                | (cm)   | -    | -                                                               | -        | -      |
| Operating conditions | Power (%)                                       | (%)    | -    | 100                                                             | -        | 100    |
|                      | Wave Mode                                       | M      | -    | M                                                               | -        | M      |
|                      | Frequency (B)                                   | FND    | -    | THQ(1)                                                          | -        | THQ(1) |
|                      | Focus (B)                                       | F4     | -    | F7                                                              | -        | F3     |
|                      | Scan (B)                                        | S4     | -    | S4                                                              | -        | S4     |
|                      | Range                                           | 21.0   | -    | 21.0                                                            | -        | 21.0   |
|                      | PRF Limit                                       | S4     | -    | S4                                                              | -        | S4     |
|                      | Line Density                                    | S4     | -    | S4                                                              | -        | S4     |
|                      | Plane Mode                                      | S4     | -    | S4                                                              | -        | S4     |
|                      | Ref. Frequency (Color)                          | S4     | -    | S4                                                              | -        | S4     |
| Focus (Color)        | Focus (Color)                                   | S4     | -    | S4                                                              | -        | S4     |
|                      | Flow (Color)                                    | S4     | -    | S4                                                              | -        | S4     |
|                      | Color Velocity Range                            | (cm/s) | -    | S4                                                              | -        | S4     |
|                      | Picket Size                                     | S4     | -    | S4                                                              | -        | S4     |
|                      | Plane Area Depth                                | S4     | -    | S4                                                              | -        | S4     |
|                      | Color Line Density                              | S4     | -    | S4                                                              | -        | S4     |
|                      | Plane Mode                                      | S4     | -    | S4                                                              | -        | S4     |
|                      | High PRF                                        | S4     | -    | S4                                                              | -        | S4     |
|                      | Ref. Frequency (D)                              | S4     | -    | S4                                                              | -        | S4     |
|                      | Focus (D)                                       | S4     | -    | S4                                                              | -        | S4     |
| Triplex VFL Range    | Triplex Velocity Range                          | (cm/s) | -    | S4                                                              | -        | S4     |
|                      | Sample gate size                                | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Sample gate depth                               | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Triplex Frame Rate                              | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Triplex VFL Range                               | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Plane Area                                      | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Plane Area                                      | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Plane Area                                      | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Plane Area                                      | (cm)   | -    | S4                                                              | -        | S4     |
|                      | Plane Area                                      | (cm)   | -    | S4                                                              | -        | S4     |

NOTE 1 Data should only be entered if one of the columns related to TIS

NOTE 2 Information read not be provided regarding TIC for any transducer assembly not intended for transcranial or noncranial cephalic use

NOTE 3 If the requirements of 201.12.2.2b are met, it is not required to enter any data in the column related to TIS, TIR or TIC.

NOTE 4 If the requirements of 201.12.2.2b are met, it is not required to enter any data in the column related to M/I.

NOTE 1 Data should only be entered in one of the columns related to TIS

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_{ph}$                    | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

|                              | Index label                                          | MT  | TIS  |                               | TTB  | TTC |
|------------------------------|------------------------------------------------------|-----|------|-------------------------------|------|-----|
|                              |                                                      |     | Scan | Non-scan                      |      |     |
| Maximum Index Value          | $P_{r,s}$                                            | 1.4 | -    | $A_{avg} \leq 1 \text{ cm}^3$ | 1.9  | 1.6 |
|                              | $P$                                                  | 3.1 | -    | -                             | -    | -   |
|                              | (mW)                                                 | -   | -    | -                             | -    | -   |
|                              | $\text{Min of } [P_{r,s}(t_s), I_{\text{max}}(t_s)]$ | -   | 33   | -                             | -    | 28  |
|                              | $P_{r,s}$                                            | -   | -    | -                             | -    | -   |
|                              | $t_s$                                                | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $P_{r,s}$ at max. $I_{\text{max}}$                   | 2.1 | -    | -                             | 0.70 | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Other                        | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (mHz)                                                | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (mHz)                                                | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Operating control conditions | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max. $I_{\text{max}}$            | -   | -    | -                             | -    | -   |
| Information                  | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | (cm)                                                 | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$                                     | -   | -    | -                             | -    | -   |
|                              | $I_{\text{max}}$ at max.                             |     |      |                               |      |     |

NOTE 1 Data should only be entered in one of the columns related to TB

NOTE 2 If information need not be provided regarding TBC for any reason, use 'X' in the column related to TB

NOTE 3 If the requirements of 2011.2.42b are met, it is not required to enter any data in the column related to TB, TB or TBC

NOTE 4 If the requirements of 2011.2.42b are met, it is not required to enter any data in the column related to TB

NOTE 5 If the requirements of 2011.2.42b are met, it is not required to enter any data in the column related to TB

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $p$                         | 25.00% |
| $I_{ph}$                    | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                          | MT                                                          | TZS                  |                                  | TTB    | TTC    |
|--------------------------------------|-------------------------------------------------------------|----------------------|----------------------------------|--------|--------|
|                                      |                                                             | Scan                 | Non-scan                         |        |        |
| Maximum Index Value                  | 1.4                                                         | -                    | $A_{\text{eq}} < 1 \text{ cm}^2$ | -      | 1.6    |
| Associated<br>acoustic<br>parameters | $P_{\text{r}}, a$                                           | 3.1                  | -                                | -      | 27     |
|                                      | $P_{\text{r}}$                                              | (mW)                 | -                                | -      | 27     |
|                                      | $\text{Min of } [P_{\text{a}}(x, z), I_{\text{max}}(x, z)]$ | (mW)                 | -                                | -      | 27     |
|                                      | $S_{\text{a}}$                                              | (cm)                 | -                                | -      | -      |
|                                      | $T_{\text{a}}$                                              | (cm)                 | -                                | -      | -      |
|                                      | $T_{\text{a}}$                                              | (cm)                 | -                                | -      | 0.70   |
|                                      | $a$ at max $I_{\text{P}, a}$                                | (cm)                 | 2.1                              | -      | -      |
|                                      | $d_{\text{a}}(x, z)$                                        | (cm)                 | -                                | -      | 0.25   |
|                                      | $f_{\text{ref}}$                                            | (MHz)                | 5.0                              | -      | 5.0    |
|                                      | $\text{Dim of } A_{\text{eq}}$                              | (cm)                 | -                                | 1.2    | 0.28   |
| Other<br>Information                 | $Y$                                                         | (cm)                 | -                                | 0.66   | 0.66   |
|                                      | $t_d$                                                       | (μsec)               | 0.52                             | -      | -      |
|                                      | $f_{\text{err}}$                                            | (Hz)                 | 1628                             | -      | -      |
|                                      | $P_{\text{r}}$ at max $I_{\text{P}}$                        | (MPa)                | 4.1                              | -      | -      |
|                                      | $d_{\text{a}}$ at max $I_{\text{P}}$                        | (cm)                 | -                                | -      | -      |
|                                      | $I_{\text{P}, a}$ at max $MT$                               | (W/cm <sup>2</sup> ) | 622                              | -      | 0.22   |
|                                      | $F_{\text{FL}}$                                             | (cm)                 | -                                | 7.6    | -      |
|                                      | $F_{\text{FL}}$                                             | (cm)                 | -                                | 2.5    | -      |
|                                      | PWR%                                                        | (%)                  | 100                              | -      | 100    |
|                                      | Tx Mode                                                     | M/Flow               | -                                | M/Flow | M/Flow |
| Operating<br>control<br>conditions   | Wave Mode                                                   | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Frequency (B)                                               | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Focus (B)                                                   | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Scan's (B)                                                  | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Range                                                       | 21.0                 | -                                | 21.0   | -      |
|                                      | PRF Limit                                                   | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Line Density                                                | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Mode                                                   | Flow                 | -                                | Flow   | Flow   |
|                                      | Ref. Frequency (Color)                                      | Remo                 | -                                | Remo   | Remo   |
|                                      | Focus (Color)                                               | F4                   | -                                | F8     | F1     |
| Flow's (Color)                       | Flow's (Color)                                              | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Color Velocity Range                                        | 12.45                | -                                | 12.45  | -      |
|                                      | Packed Size                                                 | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Depth                                             | 21.0                 | -                                | 21.0   | -      |
|                                      | Color Line Density                                          | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Mode                                                   | n/a                  | n/a                              | n/a    | n/a    |
|                                      | High PRF                                                    | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Ref. Frequency (D)                                          | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Focus (D)                                                   | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Doppler Velocity Range                                      | (cm/s)               | n/a                              | n/a    | n/a    |
| Flow Area Lock                       | Sample gate size                                            | (cm)                 | n/a                              | n/a    | n/a    |
|                                      | Sample gate depth                                           | (cm)                 | n/a                              | n/a    | n/a    |
|                                      | Triplet Frame Rate                                          | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Triplet VEL Range                                           | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Lock                                              | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Lock                                              | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Lock                                              | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Lock                                              | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Lock                                              | n/a                  | n/a                              | n/a    | n/a    |
|                                      | Flow Area Lock                                              | n/a                  | n/a                              | n/a    | n/a    |

NOTE 1: Data should only be entered in one of the columns related to TTS.

NOTE 2: Information should not be provided regarding TTC for any "non-scan" column, not intended for "non-scan" or "non-scan" data.

NOTE 3: If the measurement of 201.12.4.2 is not required, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 4: If the measurement of 201.12.4.2 is not required, it is not required to enter any data in the columns related to MT.

NOTE 5: "Flow" length is a "Flow" value.

NOTE 1 Data should only be entered in one of the columns related to TIS  
NOTE 2 Information need not be provided regarding TIS for any "succession" cases, i.e. not intended for transferred or non-sold capital cases  
NOTE 3 If the requirements of 201.12.2.26 are met, it is not required to enter any data in the columns related to TIS, TIS or TIO.  
NOTE 4 If the requirements of 201.12.2.26 are met, it is not required to enter any data in the columns related to ME.  
NOTE 5 If the requirements of 201.12.2.26 are met, it is not required to enter any data in the columns related to ME.  
NOTE 6 Fiscal Year 2011, values are NOMINAL

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $p_i$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                   | MI    | Scan | TIS | TIB | TTC  |
|--------------------------------|-----------------------------------|-------|------|-----|-----|------|
| Maximum Index Value            |                                   | 1.4   | 0.80 | -   | -   | 1.0  |
| Associated acoustic parameters | $P_{r,a}$                         | (MPa) | 3.1  | -   | -   | -    |
|                                | $P$                               | (mW)  | -    | -   | -   | -    |
|                                | Min of $[P_a(t_n), I_{a,n}(t_n)]$ | (mW)  | 34   | -   | -   | 35   |
|                                | $F_{r,p}$                         | (cm)  | -    | -   | -   | -    |
|                                | $F_{r,p}$                         | (cm)  | -    | -   | -   | -    |
|                                | $F_{r,p}$                         | (cm)  | -    | -   | -   | -    |
|                                | $F_{r,p}$ at max. $I_{a,n}$       | (cm)  | -    | -   | -   | -    |
|                                | $f_{a,n}$                         | (MHz) | 2.1  | -   | -   | -    |
|                                | $f_{a,n}$                         | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$                         | (MHz) | -    | -   | -   | -    |
| Other information              | Dim of $I_{a,n}$                  | (cm)  | -    | -   | -   | -    |
|                                | X                                 | (cm)  | -    | -   | -   | -    |
|                                | Y                                 | (cm)  | -    | -   | -   | -    |
|                                | $I_a$                             | (μA)  | 0.66 | -   | -   | 0.66 |
|                                | $p_{r,p}$                         | (μA)  | 0.52 | -   | -   | -    |
|                                | $p_{r,p}$ at max. $I_{a,n}$       | (μA)  | 2340 | -   | -   | -    |
|                                | $I_{a,n}$ at max. $I_{a,n}$       | (cm)  | 4.1  | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 622  | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 0.28 | -   | -   | 0.28 |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 2.5  | -   | -   | 2.5  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
| Operating control conditions   | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | 100  | -   | -   | 100  |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -    | -   | -   | -    |
|                                | $f_{a,n}$ at max. $I_{a,n}$       | (MHz) | -</  |     |     |      |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be repeated regarding TIS for any transceivers except for transceivers not intended for terrestrial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12A.2b are met, it is not required to enter any data in the columns related to TIS, TIS or TIS.

NOTE 4 If the requirements of 201.12A.2b are met, it is not required to enter any data in the column related to M.

NOTE 5 Found 1 earth is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $R$                         | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| 77               | 40% or 0.4, whichever larger |

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

C41B Convex

| Acoustic power is controllable by the user. |                       |                |                   |                |                   |                |                   |            |                         |
|---------------------------------------------|-----------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|------------|-------------------------|
| parameter                                   | Mode                  | B <sub>0</sub> | B <sub>0max</sub> | M <sub>0</sub> | M <sub>0max</sub> | D <sub>0</sub> | D <sub>0max</sub> | (M+Color)P | (M+Color)I <sub>0</sub> |
| Maximum power                               | (mW)                  | 17             | 23                | 7.8            | 16                | 23             | 29                | 27         | 23                      |
| P <sub>0</sub>                              | (mW)                  | 4.5            | 2.3               | 4.5            | 4.5               | 1.1            | 4.5               | 4.5        | 4.5                     |
| I <sub>0</sub>                              | (mW/cm <sup>2</sup> ) | 31             | 58                | 15             | 29                | 46             | 57                | 53         | 86                      |
| I <sub>0max</sub>                           | (mW/cm <sup>2</sup> ) | 6.9            | 47                | 396            | 792               | 836            | 1321              | 964        | 1102                    |
| PWR5%                                       | (%)                   | 100            | 100               | 100            | 100               | 100            | 100               | 100        | 100                     |
| Tx Mode                                     |                       | B              | B                 | M              | M                 | Pw             | Pw                | MFlow      | MFlow                   |
| Wave Mode                                   | FND                   | FND            | FND               | FND            | THRP.L            | n/a            | n/a               | n/a        | n/a                     |
| Frequency (B)                               | Ratio                 | Ratio          | Ratio             | Ratio          | High              | n/a            | n/a               | n/a        | n/a                     |
| Focus (B)                                   | F4                    | F5             | F4                | F4             | F4                | n/a            | n/a               | n/a        | n/a                     |
| Search (B)                                  | 100                   | 25             | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Range                                       | (cm)                  | 21.0           | 3.0               | 21.0           | 21.0              | n/a            | n/a               | n/a        | n/a                     |
| PRF Limit                                   | ON                    | OFF            | OFF               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Line Density                                | Low                   | High           | High              | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Flow Mode                                   | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Ref. Frequency (Color)                      | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Focus (Color)                               | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Flow% (Color)                               | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Color Velocity Range                        | (cm/s)                | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Packet Size                                 | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Flow Area Depth                             | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Color Line Density                          | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Pw Mode                                     | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| High PRF                                    | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Ref. Frequency (D)                          | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Focus (D)                                   | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Doppler Velocity Range                      | (cm/s)                | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Sample gate size                            | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Sample gate depth                           | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Triplex Frame Rate                          | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Triplex VEL Range                           | (cm)                  | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Flow Area Lock                              | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Z <sub>0</sub>                              | (mm)                  | 27             | 22                | 27             | 27                | 29             | 29                | 29         | 29                      |
| W <sub>0</sub>                              | (mm)                  | 1.3            | 1.5               | 1.3            | 1.3               | 2.0            | 2.1               | 2.1        | 2.1                     |
| W <sub>0</sub> (L)                          | (mm)                  | 1.3            | 1.6               | 1.3            | 1.3               | 1.5            | 1.6               | 1.6        | 1.6                     |
| PRF (PRF)                                   | (Hz)                  | n/a            | n/a               | 1003           | 2006              | 814            | 26042             | 9470       | n/a                     |
| PRF (SRF)                                   | (Hz)                  | 28             | 219               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| n <sub>0</sub>                              |                       | 1.0            | 1.0               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| n <sub>0</sub> (L)                          |                       | 77             | 40                | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Output beam dimension                       | (f)                   | 8.1            | 6.1               | 8.1            | 8.1               | 7.7            | 7.7               | 7.7        | 7.7                     |
|                                             | (L)                   | 6.6            | 6.6               | 6.6            | 6.6               | 6.6            | 6.6               | 6.6        | 6.6                     |
| f <sub>0</sub>                              | (MHz)                 | 5.8            | 5.8               | 5.8            | 5.8               | 5.0            | 5.0               | 5.0        | 5.0                     |
| Acoustic Power-up fraction                  | (%)                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Power-up mode                               | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Acoustic Initialization fraction            | (%)                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Initialization mode                         | n/a                   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a                     |
| Acoustic output freeze                      | Yes                   | Yes            | Yes               | Yes            | Yes               | Yes            | Yes               | Yes        | Yes                     |
| n <sub>0</sub>                              | (mm)                  | 1.2            | 1.2               | 1.2            | 1.2               | 1.2            | 1.2               | 1.2        | 1.2                     |
| n <sub>0</sub> (L)                          | (mm)                  | contact        | contact           | contact        | contact           | contact        | contact           | contact    | contact                 |
| Inclusive modes                             |                       |                |                   |                |                   |                |                   |            |                         |

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| I <sub>0</sub>              | 37.14% |
| P <sub>0</sub>              | 10.75% |

Table 201.103 -- Acoustic output reporting table

| Index label                    |                                                       | MJ   | Scan | TTS | T7B | T7C     |
|--------------------------------|-------------------------------------------------------|------|------|-----|-----|---------|
| Maximum Index Value            |                                                       | 1.3  | 0.64 | -   | -   | 0.73    |
| Associated acoustic parameters | $P_{s,a}$<br>(mW)                                     | 3.0  | 26   | -   | -   | 30      |
|                                | Min of $[P_{s,a}, I_{s,a}, I_{r,a}, I_{t,a}]$<br>(mW) |      |      |     |     |         |
|                                | $I_{s,a}$<br>(cm)                                     |      |      |     |     |         |
|                                | $I_{r,a}$<br>(cm)                                     |      |      |     |     |         |
|                                | $I_{t,a}$<br>(cm)                                     |      |      |     |     |         |
|                                | $I_{a}$ at max. $I_{s,a}$<br>(cm)                     | 2.4  |      |     |     |         |
| Other                          | $d_{s,a}$<br>(cm)                                     |      |      |     |     |         |
|                                | $d_{r,a}$<br>(MHz)                                    | 5.0  | 5.4  | -   | -   | 4.8     |
|                                | Dim of $A_{sps}$<br>(cm)                              | X    | 1.4  | -   | -   | 1.2     |
|                                | Y<br>(cm)                                             | Y    | 0.66 | -   | -   | 0.66    |
|                                | $I_a$<br>(junc)                                       | 0.26 |      |     |     |         |
|                                | $P_{err}$<br>(Hz)                                     | 2156 |      |     |     |         |
| Information                    | $d_{s,a}$ at max. $I_{s,a}$<br>(MPa)                  | 4.3  |      |     |     |         |
|                                | $I_{s,a}$ at max. $MJ$<br>(W/cm <sup>2</sup> )        | 827  |      |     |     |         |
|                                | Focal Length<br>(cm)                                  | FLx  | 0.86 | -   | -   | 0.37    |
|                                | FLy<br>(cm)                                           | FLy  | 2.8  | -   | -   | 2.8     |
|                                | PWR %<br>(%)                                          | 100  | 100  | -   | -   | 100     |
|                                | Tx Mode<br>(Hz)                                       | B    | B    | -   | -   | B       |
| Operating control conditions   | Wave Mode<br>Frequency (B)                            | FND  | FND  | -   | -   | TH(P,L) |
|                                | Focus (B)                                             | Sld  | Raso | -   | -   | Sld     |
|                                | Scan % (B)                                            | F4   | F2   | -   | -   | F1      |
|                                | Range<br>(cm)                                         | 100  | 25   | -   | -   | 25      |
|                                | PRF Limit<br>(cm)                                     | 21.0 | 3.5  | -   | -   | 4.0     |
|                                | Line Density                                          | ON   | OFF  | -   | -   | OFF     |
|                                | Flow Mode<br>Ref. Frequency (Color)                   | Low  | High | -   | -   | High    |
|                                | Focus (Color)                                         | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Color Velocity Range<br>(cm/s)                        | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Pack Size                                             | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Flow Area Depth<br>(cm)                               | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Color Line Density                                    | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Pw Mode                                               | n/a  | n/a  | n/a | n/a | n/a     |
|                                | High PRF<br>Ref. Frequency (D)                        | n/a  | n/a  | n/a | n/a | n/a     |
| Focus (D)                      | n/a                                                   | n/a  | n/a  | n/a | n/a |         |
| Other                          | Doppler Velocity Range<br>(cm/s)                      | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Sample gate size<br>(cm)                              | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Sample gate depth<br>(cm)                             | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Triplets Frame Rate                                   | n/a  | n/a  | n/a | n/a | n/a     |
|                                | Triplets VEI Range                                    | n/a  | n/a  | n/a | n/a | n/a     |
| Flow Area Lock                 | n/a                                                   | n/a  | n/a  | n/a | n/a | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TBS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 # the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 # the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to M.

|        | Flow Area Lock                                                                                                                | 10/6 | 10/6 | 10/6 | 10/6 | 10/6 | 10/6 |
|--------|-------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|
| NOTE 1 | Data should only be entered in one of the columns related to TIS                                                              |      |      |      |      |      |      |
| NOTE 2 | Information need not be provided regarding TIC for any thermocolumns not intended for transcuticular or neonatal cephalic use |      |      |      |      |      |      |
| NOTE 3 | If the requirements of 201.12.2.4 are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.    |      |      |      |      |      |      |
| NOTE 4 | If the requirements of 201.12.2.4 are met, it is not required to enter any data in the columns related to TIS.                |      |      |      |      |      |      |

|                              |
|------------------------------|
| Display accuracy             |
| 20% or 0.2, whichever larger |
| 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

|                                | Index label                                           | MI                   | TTS  |          | TTS      | TTS | TTS      | TTC  |
|--------------------------------|-------------------------------------------------------|----------------------|------|----------|----------|-----|----------|------|
|                                |                                                       |                      | Scan | Non-scan |          |     |          |      |
| Maximum Index Value            |                                                       | 1.3                  | -    | -        | -        | -   | 1.1      | 0.53 |
| Associated acoustic parameters | $P_{1, \alpha}$                                       | (MPa)                | 3.0  |          |          |     |          |      |
|                                | $P$                                                   | (mW)                 |      |          |          |     |          |      |
|                                | Min of $[P_{\alpha}(x, z), I_{\alpha, \alpha}(x, z)]$ | (mW)                 |      | 21       |          |     | 15       | 15   |
|                                | $F_{\alpha}$                                          | (cm)                 |      |          |          |     |          |      |
|                                | $F_{\alpha 0}$                                        | (cm)                 |      |          |          |     |          |      |
|                                | $F_{\alpha}$                                          | (cm)                 |      |          |          |     | 1.9      |      |
|                                | $F_{\alpha}$ at max. $I_{\alpha, \alpha}$             | (cm)                 | 2.4  |          |          |     |          |      |
|                                | $d_{\alpha}(x, z)$                                    | (cm)                 |      |          |          |     | 0.17     |      |
| Other Information              | $d_{\alpha}$ at max. $I_{\alpha, \alpha}$             | (cm)                 |      |          |          |     | 5.0      | 5.0  |
|                                | Dim of $A_{\alpha}$                                   | (cm)                 |      |          | 5.7      |     | 0.61     | 0.61 |
|                                | Dim of $A_{\alpha}$                                   | (cm)                 |      |          | 1.3      |     | 0.66     | 0.66 |
|                                | $I_{\alpha}$                                          | (jane)               | 0.26 |          |          |     |          |      |
|                                | $f_{\alpha}$                                          | (Hz)                 | 1002 |          |          |     |          |      |
|                                | $f_{\alpha}$ at max. $I_{\alpha}$                     | (MPa)                | 4.3  |          |          |     |          |      |
|                                | $d_{\alpha}$ at max. $I_{\alpha}$                     | (cm)                 |      |          |          |     | 0.17     |      |
|                                | $I_{\alpha, \alpha}$ at max. $MI$                     | (W/cm <sup>2</sup> ) | 827  |          |          |     |          |      |
|                                | Focal Length                                          | (cm)                 |      |          | 7.1      |     |          | 1.3  |
|                                | Focal Length                                          | (cm)                 |      |          | 2.8      |     |          | 2.8  |
| Operating control conditions   | PRFR (%)                                              | (%)                  | 100  | -        | 100      | -   | 100      | 100  |
|                                | Tr. Mode                                              |                      | M    | -        | M        | -   | M        | M    |
|                                | Wave Mode                                             |                      | FND  | -        | TH(P.L.) | -   | TH(P.L.) |      |
|                                | Frequency (B)                                         |                      | Std  | -        | High     | -   | Std      | Std  |
|                                | Focus (B)                                             |                      | F4   | -        | F7       | -   | F3       | F3   |
|                                | Scan# (B)                                             | (%)                  | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Range                                                 | (cm)                 | 21.0 | -        | 21.0     | -   | 21.0     | 21.0 |
|                                | PRF Limit                                             |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Line Density                                          |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Flow Mode                                             |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Ref. Frequency (Color)                                |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Focus (Color)                                         |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Flow# (Color)                                         |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Color Velocity Range                                  | (cm/s)               | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Packlet Size                                          |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Flow Area Depth                                       |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Color Line Density                                    |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | PR Mode                                               |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | High PRF                                              |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Ref. Frequency (I)                                    |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Focus (I)                                             |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Doppler Velocity Range                                | (cm/s)               | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Sample gate size                                      | (cm)                 | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Sample gate depth                                     | (cm)                 | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Triplex Frame Rate                                    |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Triplex VEL Range                                     |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |
|                                | Flow Area Lock                                        |                      | n/a  | n/a      | n/a      | n/a | n/a      | n/a  |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TTC for any transducer assembly not intended for transducer or resonant capsule uses

NOTE 3 If the requirements of 201.12.4.23 are met, it is not required to enter any data in the columns related to TTS, TB or TTC.

NOTE 4 If the requirements of 201.12.4.23 are met, it is not required to enter any data in the column related to MI.

NOTE 5 Focal Length is a NOMINAL value

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|  |      |      |
|--|------|------|
|  | 1998 | 1999 |
|--|------|------|

|  |      |      |
|--|------|------|
|  | 1998 | 1999 |
|--|------|------|

|  |      |      |
|--|------|------|
|  | 1998 | 1999 |
|--|------|------|

Table 201.103 – Acoustic output reporting table

| Index label                    |                                              | MI                   | T/S                  |                      | T/B      | T/C           |
|--------------------------------|----------------------------------------------|----------------------|----------------------|----------------------|----------|---------------|
| Maximum Index Value            |                                              | 1.4                  | Scan                 | Non-scan             | Non-scan | 1.6           |
| $p_{t,s}$                      |                                              | 3.1                  | $A_{eq}(\text{dBS})$ | $A_{eq}(\text{dBS})$ | -        | 1.9           |
| Associated acoustic parameters | $P$                                          | (MPa)                | -                    | -                    | -        | -             |
|                                | $p$                                          | (mW)                 | -                    | 33                   | -        | 27            |
|                                | Min of $ p_{t,s}(t_s) , I_{\text{max}}(t_s)$ | (mW)                 | -                    | -                    | -        | -             |
|                                | $z_s$                                        | (cm)                 | -                    | -                    | -        | -             |
|                                | $z_{\text{sp}}$                              | (cm)                 | -                    | -                    | -        | -             |
|                                | $z_b$                                        | (cm)                 | -                    | -                    | -        | 0.70          |
|                                | $z$ at max. $I_{p,s}$                        | (cm)                 | 2.1                  | -                    | -        | -             |
|                                | $d_{\text{eq}}(t_s)$                         | (cm)                 | -                    | -                    | -        | 0.25          |
|                                | $f_{\text{ref}}$                             | (MHz)                | D4.98                | -                    | D4.97    | -             |
| Other                          | Dim of $A_{\text{eq}}$                       | X<br>Y               | -<br>-               | 1.2<br>0.66          | -<br>-   | D4.97<br>0.20 |
|                                | $t_a$                                        | ( $\mu\text{sec}$ )  | 0.73                 | -                    | -        | 0.66          |
|                                | $p_{\text{pr}}$                              | (Hz)                 | 4.24                 | -                    | -        | B5.7,D5.5     |
|                                | $p_i$ at max. $I_p$                          | (MPa)                | 152                  | -                    | -        | 0.20          |
|                                | $d_{\text{eq}}$ at max. $I_p$                | (cm)                 | -                    | -                    | -        | 0.66          |
|                                | $I_{p,s}$ at max. $M$                        | (W/cm <sup>2</sup> ) | 614                  | -                    | -        | 0.66          |
|                                | $F_{\text{Lx}}$                              | (cm)                 | -                    | -                    | -        | 0.28          |
|                                | Focal Length                                 | (cm)                 | -                    | 7.4                  | -        | 2.5           |
|                                | Fly                                          | (cm)                 | -                    | 2.5                  | -        | 2.5           |
| Operating control conditions   | PWR%                                         | (%)                  | 100                  | -                    | 100      | -             |
|                                | Tx Mode                                      | B/Pw                 | -                    | B/Pw                 | -        | 100           |
|                                | Wave Mode                                    | TH(P.L)              | -                    | TH(P.L)              | -        | FND           |
|                                | Frequency (B)                                | Sid                  | -                    | Sid                  | -        | Preset        |
|                                | Focus (B)                                    | F1                   | -                    | F1                   | -        | F3            |
|                                | Scan% (B)                                    | 25                   | -                    | 25                   | -        | 25            |
|                                | Range                                        | 21.0                 | -                    | 21.0                 | -        | 5.0           |
|                                | PRF Limit                                    | OFF                  | -                    | OFF                  | -        | OFF           |
|                                | Line Density                                 | High                 | -                    | Medium               | -        | Low           |
|                                | Flow Mode                                    | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Ref. Frequency (Color)                       | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Focus (Color)                                | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Flow% (Color)                                | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Color Velocity Range                         | (cm/s)               | n/a                  | n/a                  | n/a      | n/a           |
|                                | Picket Size                                  | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Flow Area Depth                              | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Color Line Density                           | n/a                  | n/a                  | n/a                  | n/a      | n/a           |
|                                | Pw Mode                                      | PW                   | -                    | PW                   | -        | PW            |
|                                | High PRF                                     | OFF                  | -                    | OFF                  | -        | OFF           |
| Ref. Frequency (D)             | Reso                                         | -                    | Reso                 | -                    | Reso     |               |
| Focus (D)                      | F4                                           | -                    | F8                   | -                    | F2       |               |
| Doppler Velocity Range         | (cm/s)                                       | 9.96                 | -                    | 19.92                | -        |               |
| Sample gate size               | (cm)                                         | 0.1                  | -                    | 0.1                  | -        |               |
| Sample gate depth              | (cm)                                         | 1.6                  | -                    | 8.8                  | -        |               |
| Triplex Frame Rate             | n/a                                          | n/a                  | n/a                  | n/a                  | n/a      |               |
| Triplex VEL Range              | n/a                                          | n/a                  | n/a                  | n/a                  | n/a      |               |
| Flow Area Lock                 | n/a                                          | n/a                  | n/a                  | n/a                  | n/a      |               |
|                                |                                              |                      |                      |                      |          | 44.27         |

NOTE 1 Data should only be entered in one of the columns related to TSS

**NOTE 1** Data are given only for studies in one of the categories relating to (12)

**NOTE 2** Information need not be supplied concerning TSC for non-transmission systems and interrelated non-transmission components.

NOTE 2. Information need not be provided regarding IAC for any nonresidential assembly not intended for theatrical or musical purposes.

NOTE 3. If the merchandise of 301.13.4.2a are used, it is not required to submit new data in the column indicated in 328.13B - 32C.

NOTE 3 If the requirements of 201.12.4.3.2 are met, it is not required to enter any data in the columns related to 101.12.4.3.2.

NOTE 4 If the requirements of 201.12.4.3b are met, it is not required to enter any data in the column related to 101.12.4.3b.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\mu$                       | 18.75% |

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| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                  |                                    | M/I                  | Scan  | TIS                           | T/B                        |      |        |
|------------------------------|------------------------------------|----------------------|-------|-------------------------------|----------------------------|------|--------|
|                              |                                    |                      |       | Non-scan                      |                            |      |        |
|                              |                                    |                      |       | $A_{avg} \leq 1 \text{ cm}^2$ | $A_{avg} > 1 \text{ cm}^2$ | TTC  |        |
| Maximum Index Value          | $P_{Tx,c}$                         | (MPa)                | 1.4   | -                             | 0.7%                       | -    | 1.6    |
|                              | $P_{Tx,e}$                         | (mW)                 | 3.1   | -                             | -                          | -    | -      |
|                              | Min of $[P_{Tx,c}, I_{Tx,c}(f_s)]$ | (mW)                 | -     | -                             | 32                         | -    | 27     |
|                              | $f_s$                              | (cm)                 | -     | -                             | -                          | -    | -      |
|                              | $f_{Tx}$                           | (cm)                 | -     | -                             | -                          | -    | -      |
|                              | $f_s$                              | (cm)                 | -     | -                             | -                          | -    | -      |
|                              | $z$ at max. $I_{Tx,c}$             | (cm)                 | -     | -                             | -                          | -    | -      |
|                              | $d_{Tx}(f_s)$                      | (cm)                 | 2.1   | -                             | -                          | -    | 0.70   |
|                              | $f_{ref}$                          | (MHz)                | 5.0   | -                             | 5.0                        | -    | 4.9    |
|                              | Dim of $A_{Tx}$                    | (cm)                 | -     | -                             | 1.2                        | 0.28 | 0.20   |
| Other                        | $V$                                | (cm)                 | -     | -                             | 0.66                       | -    | 0.66   |
|                              | $t_s$                              | ( $\mu\text{s}$ )    | 0.52  | -                             | -                          | -    | -      |
|                              | $f_{Tx}$                           | (Hz)                 | 1628  | -                             | -                          | -    | -      |
|                              | $P_{Tx}$ at max. $I_{Tx}$          | (MPa)                | 4.1   | -                             | -                          | -    | -      |
|                              | $d_{Tx}$ at max. $I_{Tx}$          | (cm)                 | -     | -                             | -                          | -    | -      |
|                              | $I_{Tx,c}$ at max. $M/I$           | (W/cm <sup>2</sup> ) | 622   | -                             | -                          | -    | -      |
|                              | Focal Length                       | $F_{Tx}$             | (cm)  | -                             | 7.6                        | -    | 0.28   |
|                              | $F_{Tx}$                           | (cm)                 | -     | -                             | 2.5                        | -    | 2.5    |
|                              | FWHM%                              | (%)                  | 100   | -                             | 100                        | -    | 100    |
|                              | Tx Mode                            | M/Flow               | -     | -                             | M/Flow                     | -    | M/Flow |
| Operating control conditions | Wave Mode                          | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Frequency (B)                      | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Focus (B)                          | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Scan% (B)                          | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Range                              | 21.0                 | -     | 21.0                          | -                          | 3.5  | 4.0    |
|                              | PRF Limit                          | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Line Density                       | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Flow Mode                          | Flow                 | -     | Flow                          | -                          | Flow | Flow   |
|                              | Ref. Frequency (Color)             | Flow                 | -     | Flow                          | -                          | Flow | Flow   |
|                              | Focus (Color)                      | F4                   | -     | F8                            | -                          | F2   | F1     |
| Flow Mode                    | Flow% (Color)                      | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Color Velocity Range               | (cm/s)               | 12.45 | -                             | 12.45                      | -    | 28.46  |
|                              | Packet Size                        | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Flow Area Depth                    | (cm)                 | 21.0  | -                             | 21.0                       | -    | 21.0   |
|                              | Color Line Density                 | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Flow Mode                          | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | High PRF                           | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Ref. Frequency (D)                 | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Focus (D)                          | n/a                  | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Doppler Velocity Range             | (cm/s)               | n/a   | n/a                           | n/a                        | n/a  | n/a    |
| Flow Mode                    | Sample gate size                   | (cm)                 | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Sample gate depth                  | (cm)                 | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Triplex Frame Rate                 | (cm)                 | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Triplex VEL Range                  | (cm)                 | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Flow Area Lock                     | (cm)                 | n/a   | n/a                           | n/a                        | n/a  | n/a    |
|                              | Flow Area Lock                     | (cm)                 | n/a   | n/a                           | n/a                        | n/a  | n/a    |

**Flow Area Lock**

NOTE: Data should only be entered in one of the columns related to ITIS

NOTE 2: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic use.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TDS.

NOTE 4: If the requirements of 201.12A.2B are

NOTE 5: Fossil growth is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_{pl}$                    | 37.14% |

1991-1992

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table

| Index label                       | MT        | Scan | TTS  | TIB       | TTC       |
|-----------------------------------|-----------|------|------|-----------|-----------|
| Maximum Index Value               | 1.4       | -    | 0.78 | 1.9       | 1.7       |
| $p_{r,e}$                         | 3.1       | -    | 33   | 27        | 29        |
| $p_r$                             |           |      |      |           |           |
| Min of $[p_r(t_a), I_{max}(t_a)]$ |           |      |      |           |           |
| $I_{max}$                         |           |      |      |           |           |
| $I_{avg}$                         |           |      |      |           |           |
| $I_{rms}$                         |           |      |      |           |           |
| $I_{max}$ at max $I_{p,e}$        | 2.1       |      |      | 0.70      |           |
| $d_{ref}(t_a)$                    |           |      |      |           |           |
| $d_{ref}$                         |           |      |      | 0.26      |           |
| $f_{max}$                         |           |      |      | D4.97     | C5-D5     |
| Dim of $A_{ap}$                   |           |      |      | 1.2       | 0.28      |
| $I_{max}$                         |           |      |      | 0.66      | 0.66      |
| $I_{avg}$                         |           |      |      |           |           |
| $I_{rms}$                         |           |      |      |           |           |
| $p_r$ at max $I_{p,e}$            | 803       |      |      |           |           |
| $d_{max}$ at max $I_{p,e}$        | 4.3       |      |      |           |           |
| $I_{max}$ at max $MT$             | 827       |      |      | 0.21      |           |
| Flow Length                       |           |      |      |           |           |
| $FL_{x,y}$                        |           |      |      |           |           |
| $PWR\%$                           |           |      |      |           |           |
| $PWR\%$                           | 100       |      |      | 100       | 100       |
| Tx Mode                           | B/Flow/Pw |      |      | B/Flow/Pw | B/Flow/Pw |
| Wave Mode                         | FND       |      |      | FND       | FND       |
| Frequency (B)                     | TH(PL)    |      |      | Sid       | Reno      |
| Focus (B)                         | F4        |      |      | F1        | F2        |
| Scan (B)                          | 100       |      |      | 26        | 27        |
| Range                             | 21.0      |      |      | 17.0      | 2.5       |
| PRF Limit                         | ON        |      |      | OFF       | OFF       |
| Line Density                      | Low       |      |      | Medium    | Low       |
| Flow Mode                         | Flow      |      |      | Flow      | Flow      |
| Ref. Frequency (Color)            | Reno      |      |      | Reno      | Reno      |
| Focus (Color)                     | F4        |      |      | F3        | F1        |
| Flow% (Color)                     | 100       |      |      | 15        | 15        |
| Color Velocity Range              | 0.63      |      |      | 19.92     | 39.84     |
| Picket Size                       | Low       |      |      | High      | Low       |
| Flow Area Depth                   | 21.0      |      |      | 17.0      | 2.5       |
| Color Line Density                | 1         |      |      | 3         | 1         |
| Pw Mode                           | PW        |      |      | PW        | PW        |
| High PRF                          | OFF       |      |      | OFF       | OFF       |
| Ref. Frequency (D)                | Reno      |      |      | Reno      | Reno      |
| Focus (D)                         | F1        |      |      | F8        | F1        |
| Doppler Velocity Range            | 6.23      |      |      | 19.92     | 144.89    |
| Sample gate size                  | 0.1       |      |      | 0.1       | 0.1       |
| Sample gate depth                 | 0.2       |      |      | 8.8       | 0.4       |
| Triplex Frame Rate                | Medium    |      |      | Medium    | Medium    |
| Triplex VEL Range                 | BFix      |      |      | BFix      | BFix      |
| Flow Area Lock                    | OFF       |      |      | OFF       | OFF       |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any transducer unless not intended for transducer or resonant acoustic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) | Display accuracy |
|-----------------------------|------------------|
| $p_r$                       | 25.00%           |
| $I_{p,e}$                   | 37.14%           |
| $p_r$                       | 18.75%           |

| Measurement uncertainty (%) | Display accuracy             |
|-----------------------------|------------------------------|
| $p_r$                       | 20% or 0.2, whichever larger |
| $I_{p,e}$                   | 40% or 0.4, whichever larger |
| $p_r$                       |                              |

Table 201.103 – Acoustic output reporting table

| Index label                       | MT     | Scan | TTS | TIB    | TTC    |
|-----------------------------------|--------|------|-----|--------|--------|
| Maximum Index Value               | 1.4    | 0.80 | -   | -      | 1.0    |
| $p_{r,e}$                         | 3.1    |      |     |        |        |
| $p_r$                             |        |      |     |        |        |
| Min of $[p_r(t_a), I_{max}(t_a)]$ |        |      |     |        |        |
| $I_{max}$                         |        |      |     |        |        |
| $I_{avg}$                         |        |      |     |        |        |
| $I_{rms}$                         |        |      |     |        |        |
| $I_{max}$ at max $I_{p,e}$        | 2.1    |      |     |        |        |
| $d_{ref}(t_a)$                    |        |      |     |        |        |
| $d_{ref}$                         |        |      |     |        |        |
| $f_{max}$                         |        |      |     |        |        |
| Dim of $A_{ap}$                   |        |      |     |        |        |
| $I_{max}$                         |        |      |     |        |        |
| $I_{avg}$                         |        |      |     |        |        |
| $I_{rms}$                         |        |      |     |        |        |
| $p_r$ at max $I_{p,e}$            | 2340   |      |     |        |        |
| $d_{max}$ at max $I_{p,e}$        | 4.1    |      |     |        |        |
| $I_{max}$ at max $MT$             | 622    |      |     |        |        |
| Flow Length                       |        |      |     |        |        |
| $FL_{x,y}$                        |        |      |     |        |        |
| $PWR\%$                           |        |      |     |        |        |
| $PWR\%$                           | 100    |      |     | 100    | 100    |
| Tx Mode                           | B/Flow |      |     | B/Flow | B/Flow |
| Wave Mode                         | FND    |      |     | FND    | FND    |
| Frequency (B)                     | Sid    |      |     | Reno   | Reno   |
| Focus (B)                         | F1     |      |     | F2     | F2     |
| Scan (B)                          | 100    |      |     | 25     | 25     |
| Range                             | 21.0   |      |     | 3.5    | 3.5    |
| PRF Limit                         | ON     |      |     | OFF    | OFF    |
| Line Density                      | Low    |      |     | High   | High   |
| Flow Mode                         | Flow   |      |     | Flow   | Flow   |
| Ref. Frequency (Color)            | Reno   |      |     | Reno   | Reno   |
| Focus (Color)                     | F4     |      |     | F1     | F1     |
| Flow% (Color)                     | 100    |      |     | 15     | 15     |
| Color Velocity Range              | 0.63   |      |     | 72.44  | 72.44  |
| Picket Size                       | Low    |      |     | High   | High   |
| Flow Area Depth                   | 21.0   |      |     | 3.5    | 3.5    |
| Color Line Density                | 1      |      |     | 3      | 3      |
| Pw Mode                           | n/a    |      |     | n/a    | n/a    |
| High PRF                          | n/a    |      |     | n/a    | n/a    |
| Ref. Frequency (D)                | n/a    |      |     | n/a    | n/a    |
| Focus (D)                         | n/a    |      |     | n/a    | n/a    |
| Doppler Velocity Range            | n/a    |      |     | n/a    | n/a    |
| Sample gate size                  | n/a    |      |     | n/a    | n/a    |
| Sample gate depth                 | n/a    |      |     | n/a    | n/a    |
| Triplex Frame Rate                | n/a    |      |     | n/a    | n/a    |
| Triplex VEL Range                 | n/a    |      |     | n/a    | n/a    |
| Flow Area Lock                    | n/a    |      |     | n/a    | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any transducer unless not intended for transducer or resonant acoustic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) | Display accuracy |
|-----------------------------|------------------|
| $p_r$                       | 25.00%           |
| $I_{p,e}$                   | 37.14%           |
| $p_r$                       | 16.75%           |

| Measurement uncertainty (%) | Display accuracy             |
|-----------------------------|------------------------------|
| $p_r$                       | 20% or 0.2, whichever larger |
| $I_{p,e}$                   | 40% or 0.4, whichever larger |
| $p_r$                       |                              |



Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

CAIRP Convex

Acoustic power is controllable by the user.

| Parameter                        | Mode     | B <sub>0</sub> | B <sub>0,app</sub> | M <sub>0</sub> | M <sub>0,app</sub> | D <sub>0</sub> | D <sub>0,app</sub> | (B+D) <sub>0</sub> | (B+D) <sub>app</sub> | (B+Color) / p | (B+Color) / app | (B+Color+D) / p | (B+Color+D) / app |
|----------------------------------|----------|----------------|--------------------|----------------|--------------------|----------------|--------------------|--------------------|----------------------|---------------|-----------------|-----------------|-------------------|
| Transducer                       | Mode     |                |                    |                |                    |                |                    |                    |                      |               |                 |                 |                   |
| Maximum power                    | (mW)     | 7.4            | 14                 | 2.9            | 3.5                | 5.0            | 15                 | 2.2                | 16                   | 2.8           | 16              | 1.8             | 16                |
| p <sub>r</sub>                   | (MPa)    | 2.2            | 2.2                | 2.2            | 2.0                | 2.0            | 2.0                | 2.2                | 1.9                  | 2.2           | 2.2             | 2.2             | 1.3               |
| I <sub>0</sub>                   | (mW/cm²) | 16             | 40                 | 6.3            | 7.7                | 17             | 52                 | 14                 | 54                   | 17            | 59              | 15              | 56                |
| I <sub>0,app</sub>               | (mW/cm²) | 2.3            | 25                 | 85             | 100                | 159            | 486                | 26                 | 480                  | 0.92          | 53              | 29              | 460               |
| PWA <sub>0</sub>                 | (%)      | 100            | 100                | 100            | 100                | 100            | 100                | 100                | 100                  | 100           | 100             | 100             | 100               |
| Tx Mode                          |          | B              | B                  | M              | M                  | Pw             | Pw                 | B/Pw               | B/Pw                 | B/Pw          | B/Pw            | B/Pw            | B/Pw              |
| Wave Mode                        |          | FND            | FND                | FND            | FND                | FND            | FND                | FND                | FND                  | FND           | FND             | FND             | FND               |
| Frequency (B)                    |          | Reno           | Reno               | Sid            | Sid                | Reno           | Reno               | Sid                | Sid                  | Reno          | Reno            | Sid             | Sid               |
| Focus (B)                        |          | F4             | F3                 | F4             | F4                 | F4             | F4                 | F4                 | F4                   | F4            | F4              | F4              | F4                |
| Search (B)                       |          | 25             | 25                 | n/a            | n/a                | n/a            | n/a                | 100                | 25                   | 100           | 25              | 100             | 26                |
| Range                            | (cm)     | 17.0           | 4.0                | 17.0           | 17.0               | n/a            | n/a                | 17.0               | 4.0                  | 17.0          | 4.0             | 17.0            | 4.5               |
| PRF Limit                        |          | ON             | OFF                | n/a            | n/a                | n/a            | n/a                | ON                 | OFF                  | ON            | OFF             | ON              | OFF               |
| Line Density                     |          | Low            | High               | n/a            | n/a                | n/a            | n/a                | Low                | High                 | Low           | High            | Low             | High              |
| Flow Mode                        |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Ref. Frequency (Color)           |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Flow% (Color)                    | (%)      | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Flow% (Color)                    | (%)      | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Color Velocity Range             | (cm/s)   | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Picket Size                      | (cm)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Flow Area Depth                  | (cm)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Color Line Density               |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Pw Mode                          |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| High PRF                         |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Ref. Frequency (D)               |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Focus (D)                        |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Sample gate size                 | (cm)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Sample gate depth                | (cm)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Triplex Frame Rate               |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Triplex VEL Range                |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Flow Area Lock                   |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| F <sub>0</sub>                   | (Hz)     | 31             | 22                 | 31             | 30                 | 23             | 23                 | 31                 | 23                   | 31            | 24              | 31              | 23                |
| W <sub>0</sub>                   | (mm)     | 1.6            | 1.6                | 1.6            | 1.8                | 2.0            | 2.0                | 1.6                | 2.0                  | 1.6           | 2.0             | 1.6             | 2.0               |
| λ                                | (mm)     | 1.8            | 2.4                | 1.8            | 2.0                | 2.0            | 2.0                | 1.8                | 2.0                  | 1.8           | 2.0             | 1.8             | 2.0               |
| f <sub>PRF</sub> (PRF)           | (Hz)     | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| f <sub>PRF</sub> (SRF)           | (Hz)     | 41             | 244                | 1003           | 1002               | 814            | 3720               | 46                 | 21                   | 10            | 26              | 0.76            | 9.7               |
| n <sub>PRF</sub>                 |          | 1.0            | 1.0                | n/a            | n/a                | n/a            | n/a                | 1.0                | 1.0                  | n/a           | n/a             | n/a             | n/a               |
| n <sub>PRF</sub>                 |          | 63             | 31                 | n/a            | n/a                | n/a            | n/a                | 63                 | 17                   | n/a           | n/a             | n/a             | n/a               |
| Output beam dimensions           | (mm)     | 8.0            | 6.0                | 8.0            | 8.0                | 5.2            | 5.2                | 8.0                | 5.2                  | 8.0           | 5.2             | 8.0             | 5.2               |
| f <sub>0</sub>                   | (Hz)     | 5.7            | 5.7                | 5.7            | 5.7                | 5.7            | 5.7                | 5.7                | 5.7                  | 5.7           | 5.7             | 5.7             | 5.7               |
| Acoustic Power-up fraction       | (%)      | 6.2            | 5.1                | 6.2            | 5.1                | 5.0            | 5.0                | 6.2                | 5.1                  | 6.2           | 5.1             | 6.2             | 5.0               |
| Power-up mode                    |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Acoustic Initialization fraction | (%)      | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Acoustic Initialization mode     |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |
| Acoustic output Event            |          | Yes            | Yes                | Yes            | Yes                | Yes            | Yes                | Yes                | Yes                  | Yes           | Yes             | Yes             | Yes               |
| F <sub>0</sub>                   | (mm)     | 1.0            | 1.0                | 1.0            | 1.0                | 1.0            | 1.0                | 1.0                | 1.0                  | 1.0           | 1.0             | 1.0             | 1.0               |
| F <sub>0</sub>                   | (mm)     | contact        | contact            | contact        | contact            | contact        | contact            | contact            | contact              | contact       | contact         | contact         | contact           |
| Inclusive modes                  |          | n/a            | n/a                | n/a            | n/a                | n/a            | n/a                | n/a                | n/a                  | n/a           | n/a             | n/a             | n/a               |

|                             |        |
|-----------------------------|--------|
| Measurement uncertainty (%) |        |
| P                           | 25.00% |
| F <sub>0</sub>              | 37.14% |
| F <sub>0</sub>              | 18.75% |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                            | MI                   | Scan   | TIS | TIB   | TTC    |
|--------------------------------|--------------------------------------------|----------------------|--------|-----|-------|--------|
| Maximum Index Values           |                                            | 0.66                 | 0.28   | -   | 0.065 | 0.35   |
| Associated acoustic parameters | $P_r, \sigma$                              | (MPa)                | 1.4    | -   | -     | -      |
|                                | $P$                                        | (mW)                 |        | 12  | -     | 1.1    |
|                                | Min of $[P_r(x, y), I_{\text{max}}(x, y)]$ | (mW)                 |        |     | -     | -      |
|                                | $r_a$                                      | (cm)                 |        |     | -     | -      |
|                                | $r_{\text{sig}}$                           | (cm)                 |        |     | -     | 1.8    |
|                                | $r_{\text{sig}}$ at max. $I_{\text{sig}}$  | (cm)                 | 1.8    |     |       |        |
| Other information              | $r_{\text{sig}}$ at max. $MI$              | (cm)                 |        |     |       | 0.20   |
|                                | $f_{\text{max}}$                           | (MHz)                | 4.3    | 5.1 | -     | 5.1    |
|                                | Dim of $A_{\text{opt}}$                    | (cm)                 | 1.4    | -   | -     | 1.4    |
|                                | X                                          | (cm)                 | 0.57   | -   | -     | 0.57   |
|                                | Y                                          | (cm)                 |        |     |       |        |
|                                | $f_d$                                      | (μsec)               | 0.33   |     |       |        |
|                                | $p_{\text{err}}$                           | (Hz)                 | 2923   |     |       |        |
|                                | $P_r$ at max. $I_{\text{sig}}$             | (mW)                 | 1.7    |     |       |        |
|                                | $d_{\text{sig}}$ at max. $I_{\text{sig}}$  | (cm)                 |        |     |       | 0.19   |
|                                | $f_{\text{max}}$ at max. $MI$              | (W/cm <sup>2</sup> ) | 105    |     |       |        |
| Operating control conditions   | Focal Length                               | (cm)                 | 1.3    | -   | -     | 1.3    |
|                                | $FL_x$                                     | (cm)                 | 2.8    | -   | -     | 2.8    |
|                                | PWR%                                       | (%)                  | 100    | 100 | -     | 100    |
|                                | Tx Mode                                    | B/M                  | B/M    | -   | -     | B/M    |
|                                | Wave Mode                                  | FND                  | FND    | -   | -     | FND    |
|                                | Frequency (B)                              | Penet                | Std    | -   | -     | Std    |
|                                | Focus (B)                                  | F3                   | F3     | -   | -     | F3     |
|                                | Scan's (B)                                 | 100                  | 25     | -   | -     | 25     |
|                                | Range                                      | 17.0                 | 4.0    | -   | -     | 4.0    |
|                                | PRF Limit                                  | ON                   | OFF    | -   | -     | OFF    |
|                                | Line Density                               | Low                  | Medium | -   | -     | Medium |
|                                | Flow Mode                                  | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Ref. Frequency (Color)                     | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Focus (Color)                              | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Flow% (Color)                              | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Color Velocity Range                       | (cm/s)               | n/a    | n/a | n/a   | n/a    |
|                                | Picket Size                                | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Flow Area Depth                            | (cm)                 | n/a    | n/a | n/a   | n/a    |
|                                | Color Line Density                         | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Pw Mode                                    | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | High PRF                                   | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Ref. Frequency (D)                         | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Focus (D)                                  | n/a                  | n/a    | n/a | n/a   | n/a    |
|                                | Doppler Velocity Range                     | (cm/s)               | n/a    | n/a | n/a   | n/a    |
|                                | Sample gate size                           | (cm)                 | n/a    | n/a | n/a   | n/a    |
|                                | Sample gate depth                          | (cm)                 | n/a    | n/a | n/a   | n/a    |
| Triplets Frame Rate            | (cm)                                       | n/a                  | n/a    | n/a | n/a   |        |
| Triplets VFL Range             |                                            | n/a                  | n/a    | n/a | n/a   |        |
| Flow Area Lock                 |                                            | n/a                  | n/a    | n/a | n/a   |        |

NOTE 1: Data should only be entered if one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any instance column; not intended for transcranial or neonatal capillar uses

NOTE 3: If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter data in the column related to ME.

NOTE 1: Data should only be entered in one of the columns related to THIS FLOW PATH LOCK.

NOTE: Information need not be recorded separately TIC for any transaminases as this is not intended for transaminase or neonatal catheter use.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to ITS, TBI or TQC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

**NOTE 5** Focal Length is a NOMINAL value

|                             |       |        |
|-----------------------------|-------|--------|
| measurement uncertainty (%) | $p$   | 25.00% |
|                             | $I_H$ | 37.14% |
|                             | $n$   | 18.75% |

Display accuracy

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                                         | M/I    | TDS                               |                                   | TTB                               | TTC  |
|--------------------------------|-------------------------------------------------------------------------|--------|-----------------------------------|-----------------------------------|-----------------------------------|------|
| Maximum Index Value            |                                                                         |        | Scan                              | Non-scan                          | Non-scan                          |      |
|                                |                                                                         |        | $A_{\text{eq}} < 10 \text{ cm}^2$ | $A_{\text{eq}} > 10 \text{ cm}^2$ | $A_{\text{eq}} > 10 \text{ cm}^2$ |      |
| Associated acoustic parameters | $P_{\text{r}, \alpha}$ (MPa)                                            | 0.66   | 0.31                              | -                                 | -                                 | 0.36 |
|                                | $P_{\text{r}} \text{ (mW)}$                                             | 1.4    |                                   |                                   |                                   |      |
|                                | Min of $[P_{\text{r}}(f_{\text{r}}), I_{\text{eq}}(f_{\text{r}})]$ (mW) |        | 13                                | -                                 | -                                 | 13   |
|                                | $f_{\text{r}}$ (cm)                                                     |        |                                   | -                                 | -                                 |      |
|                                | $f_{\text{eq}}$ (cm)                                                    |        |                                   | -                                 | -                                 |      |
| Other information              | $f_{\text{r}}$ at max. $I_{\text{eq}}$ (cm)                             | 1.8    |                                   |                                   |                                   |      |
|                                | $f_{\text{eq}}$ at max. $I_{\text{eq}}$ (cm)                            |        |                                   |                                   |                                   |      |
|                                | $f_{\text{r}}$ at max. $I_{\text{eq}}$ (cm)                             |        |                                   |                                   |                                   |      |
|                                | $f_{\text{eq}}$ at max. $I_{\text{eq}}$ (cm)                            |        |                                   |                                   |                                   |      |
|                                | $f_{\text{r}}$ at max. $I_{\text{eq}}$ (cm)                             |        |                                   |                                   |                                   |      |
| Other information              | Dim of $A_{\text{eq}}$ (cm)                                             | 4.3    | 5.1                               | -                                 | -                                 | 5.1  |
|                                | X                                                                       |        | 1.2                               | -                                 | -                                 | 1.2  |
|                                | Y                                                                       |        | 0.57                              | -                                 | -                                 | 0.57 |
|                                | $I_{\text{eq}}$ (μW/cm²)                                                | 0.33   |                                   |                                   |                                   |      |
|                                | $f_{\text{r}}$ (Hz)                                                     | 2533   |                                   |                                   |                                   |      |
| Operating control conditions   | $P_{\text{r}}$ at max. $I_{\text{eq}}$ (MPa)                            | 1.7    |                                   |                                   |                                   |      |
|                                | $f_{\text{r}}$ at max. $I_{\text{eq}}$ (cm)                             |        |                                   |                                   |                                   |      |
|                                | $f_{\text{eq}}$ at max. $I_{\text{eq}}$ (cm)                            |        |                                   |                                   |                                   |      |
|                                | $f_{\text{r}}$ at max. $I_{\text{eq}}$ (cm)                             |        |                                   |                                   |                                   |      |
|                                | $f_{\text{eq}}$ at max. $I_{\text{eq}}$ (cm)                            |        |                                   |                                   |                                   |      |
| Wave Mode                      | Wave Mode                                                               | PND    | PND                               | -                                 | -                                 | PND  |
|                                | Frequency (B)                                                           | Penet  | Std                               | -                                 | -                                 | Std  |
|                                | Focus (B)                                                               | F3     | F2                                | -                                 | -                                 | F2   |
|                                | Scan's (B)                                                              | 100    | 25                                | -                                 | -                                 | 25   |
|                                | Range                                                                   | 17.0   | 4.0                               | -                                 | -                                 | 4.0  |
| Line Density                   | PRF Limit                                                               | ON     | OFF                               | -                                 | -                                 | OFF  |
|                                | Line Density                                                            | Low    | High                              | -                                 | -                                 | High |
|                                | Flow Mode                                                               | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Ref. Frequency (Color)                                                  | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Focus (Color)                                                           | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
| Color Velocity Range           | Flow's (Color)                                                          | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Color Velocity Range                                                    | (cm/s) | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Picket Size                                                             | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Flow Area Depth                                                         | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Color Line Density                                                      | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
| Flow Area Lock                 | Flow Mode                                                               | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | High PRF                                                                | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Ref. Frequency (D)                                                      | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Focus (D)                                                               | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Doppler Velocity Range                                                  | (cm/s) | n/a                               | n/a                               | n/a                               | n/a  |
| Sample gate size               | Sample gate size                                                        | (cm)   | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Sample gate depth                                                       | (cm)   | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Triplets Frame Rate                                                     | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Triplets VFL Range                                                      | n/a    | n/a                               | n/a                               | n/a                               | n/a  |
|                                | Flow Area Lock                                                          | n/a    | n/a                               | n/a                               | n/a                               | n/a  |

NOTE 1: Data should only be entered in one of the columns related to TDS

NOTE 2: Information need not be provided regarding TTC for any transducer column; not intended for transducer or resonant capsule uses

NOTE 3: If the requirements of 2011.2.4.2 are met, it is not required to enter any data in the columns related to TDS, TTB or TTC.

NOTE 4: If the requirements of 2011.2.4.2b are met, it is not required to enter data in the column related to ME.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TFC for any transaction assumed to not be extended for transactional or nonreciprocal cashless sales.

NOTE 3 If the requirements of 201.17.4.2a are met, it is not required to enter any data in the columns related to FIS, TBH or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $m$                         | 48.75% |

Display accuracy

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| 77               | 40% or 0.4, whichever larger |





Table 291.143 - Amounts subject reporting table

[illegible]

| measured accuracy (%) |
|-----------------------|
| 20.00%                |
| 20.14%                |
| 19.70%                |

| Display accuracy |                            |
|------------------|----------------------------|
| ΔG               | 38% at 0.2, whisker larger |
| TI               | 40% at 0.4, whisker larger |

[illegible]

Table 204.103 - Account's output reporting table

|                                | Index label                     | MJ                   | Scan    | TIS<br>$A_{ave} \leq 10m^2 / A_{ave} m^2 1cm^2$ | TIB<br>Non-scan | TIC   |
|--------------------------------|---------------------------------|----------------------|---------|-------------------------------------------------|-----------------|-------|
| Maximum Index Values           | $P_{r,a}$                       | (MPa)                | -       | -                                               | -               | 1.0   |
|                                | $P_r$                           | (mW)                 | -       | -                                               | -               | -     |
|                                | Min of $[P_r(r_a), I_{max}(z)]$ | (mW)                 | -       | 19                                              | -               | 15    |
|                                | $I_{sa}$                        | (cm)                 | -       | -                                               | -               | -     |
|                                | $I_{sp}$                        | (cm)                 | -       | -                                               | -               | -     |
|                                | $z$ at max. $I_{ps}$            | (cm)                 | 2.1     | -                                               | -               | 0.64  |
| Associated acoustic parameters | $A_{ref}(z)$                    | (cm)                 | -       | -                                               | -               | 0.36  |
|                                | $f_{cut}$                       | (MHz)                | 5.1     | -                                               | 5.0             | 5.1   |
|                                | Dim of $A_{opt}$                | (cm)                 | -       | 1.2                                             | -               | 0.28  |
|                                | X                               | (mm)                 | -       | -                                               | -               | 0.57  |
|                                | Y                               | (mm)                 | -       | -                                               | -               | 0.57  |
|                                | $f_{sc}$                        | (us/c)               | 0.51    | -                                               | -               | -     |
| Other Information              | $p_{pr}$                        | (Hz)                 | 1628    | -                                               | -               | -     |
|                                | $P_r$ at max. $I_{ps}$          | (MPa)                | 1.9     | -                                               | -               | -     |
|                                | $I_{sa}$ at max. $I_{ps}$       | (cm)                 | -       | -                                               | -               | -     |
|                                | $I_{ps}$ at max. MJ             | (W/cm <sup>2</sup> ) | 122     | -                                               | -               | 0.26  |
|                                | Focal Length                    | (cm)                 | -       | 7.2                                             | -               | 0.28  |
|                                | $P_{T,x}$                       | (%)                  | 100     | -                                               | -               | 2.4   |
| Optimizing control conditions  | PWR%                            | (%)                  | M/Power | -                                               | 100             | 100   |
|                                | Wave Mode                       |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Frequency (B)                   |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Power (B)                       |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Scans (B)                       |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Speed (B)                       |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | PRF 1 Link                      | (cm/s)               | 77.0    | -                                               | 15.0            | 4.0   |
|                                | Line Density                    |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Wave Mode                       |                      | Flow    | Flow                                            | sfs             | Flow  |
|                                | Ref. Frequency (Color)          |                      | Ramp    | -                                               | Ramp            | Ramp  |
|                                | Power (Color)                   |                      | P4      | -                                               | P2              | P1    |
|                                | Flow's Color                    |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Color Velocity Range            | (cm/s)               | 12.45   | -                                               | 44.27           | 52.44 |
|                                | Predict Value                   |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Filter Area Depth               | (cm)                 | 17.0    | -                                               | 17.0            | 17.0  |
|                                | Color Line Density              |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Pre Mode                        |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | High PRF                        |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Ref. Frequency (D)              |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Power (D)                       |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Display Velocity Range          | (cm/s)               | sfs     | sfs                                             | sfs             | sfs   |
|                                | Range gate delay                | (ms)                 | sfs     | sfs                                             | sfs             | sfs   |
|                                | Range gate depth                | (cm)                 | sfs     | sfs                                             | sfs             | sfs   |
|                                | Thermal Noise Rate              |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Triplets VCL Range              |                      | sfs     | sfs                                             | sfs             | sfs   |
|                                | Power Area Levels               |                      | sfs     | sfs                                             | sfs             | sfs   |

NOTE 1 : Data itself may be entered in case of the column related to TB

NOTE 2 : Information need not be provided regarding TIC for any "nominal values". TIC included for convenience if interested parties want.

NOTE 3 : If the measurement of 20-150kHz interval, it is not required to enter any data in the column related to TIB, TIR or TIC.

NOTE 4 : If P4 measurement of 20-150kHz one link, it is not required to enter any data in the column related to TIC.

| transformation yield (%) | transformation yield (%) |
|--------------------------|--------------------------|
| 24.00%                   | 24.00%                   |
| 57.34%                   | 57.34%                   |
| 16.79%                   | 16.79%                   |

| Display anomaly |                            |
|-----------------|----------------------------|
| 42              | 30% of D.2, white-on-black |
| 73              | 40% of D.4, white-on-black |

[illegible]



Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

Convex

CC41R(L)

Acoustic power is controllable by the user.

| parameter              | Mode     | B <sub>0</sub> | B <sub>max</sub> | M       | D <sub>0</sub> | D <sub>max</sub> | (M-Color)P | (M-Color)Iapla | (B-D) <sub>0</sub> | (B-D) <sub>max</sub> | (B-Color)P | (B-Color)Iapla | (B-Color)D <sub>0</sub> | (B-Color)D <sub>max</sub> |
|------------------------|----------|----------------|------------------|---------|----------------|------------------|------------|----------------|--------------------|----------------------|------------|----------------|-------------------------|---------------------------|
| Maximum power          | (mW)     | 7.9            | 22               | 3.7     | 7.3            | 26               | 10         | 24             | 26                 | 25                   | 28         | 28             | 27                      | 26                        |
| P <sub>r</sub>         | (MPa)    | 2.7            | 2.1              | 2.7     | 2.5            | 2.4              | 2.6        | 2.2            | 2.7                | 2.3                  | 2.7        | 2.1            | 2.7                     | 1.8                       |
| I <sub>0</sub>         | (mW/cm²) | 16             | 59               | 7.6     | 16             | 56               | 44         | 75             | 40                 | 79                   | 45         | 91             | 181                     | 83                        |
| I <sub>max</sub>       | (mW/cm²) | 5.9            | 65               | 195     | 321            | 1143             | 223        | 1150           | 277                | 1140                 | 49         | 150            | 522                     | 1127                      |
| PWR%                   | (%)      | 100            | 100              | 100     | 100            | 100              | 100        | 100            | 100                | 100                  | 100        | 100            | 100                     | 100                       |
| Tx Mode                |          | B              | B                | M       | Pw             | Pw               | M/Flow     | M/Flow         | B/Pw               | B/Pw                 | B/Flow     | B/Flow         | B/Flow                  | B/Flow                    |
| Wave Mode              | FND      | FND            | FND              | FND     | n/a            | n/a              | n/a        | n/a            | FND                | FND                  | FND        | FND            | FND                     | FND                       |
| Frequency (B)          | Std      | Std            | Std              | Std     | n/a            | n/a              | n/a        | n/a            | Std                | Std                  | Std        | Std            | Std                     | Std                       |
| Focus (B)              | F4       | F4             | F4               | F4      | n/a            | n/a              | n/a        | n/a            | F4                 | F4                   | F4         | F4             | F4                      | F4                        |
| Scan's (B)             | 25       | 25             | 25               | 25      | n/a            | n/a              | n/a        | n/a            | 25                 | 25                   | 25         | 27             | 27                      | 27                        |
| Range                  | (cm)     | 21.0           | 2.5              | 21.0    | n/a            | n/a              | n/a        | n/a            | 10.0               | 4.5                  | 10.0       | 4.5            | 10.0                    | 4.5                       |
| PRF Limit              | ON       | ON             | OFF              | n/a     | n/a            | n/a              | n/a        | n/a            | OFF                | OFF                  | OFF        | OFF            | OFF                     | OFF                       |
| Line Density           | Low      | Low            | High             | n/a     | n/a            | n/a              | n/a        | n/a            | High               | High                 | Low        | High           | Low                     | Medium                    |
| Flow Mode              | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | Flow       | Flow           | Flow                    | Flow                      |
| Ref. Frequency (Color) | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow's (Color)         | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Color Velocity Range   | (cm/s)   | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Picket Size            | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area Depth        | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Color Line Density     | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Pw Mode                | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| High PRF               | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Focus (D)              | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Doppler Velocity Range | (cm/s)   | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Sample gate size       | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Sample gate depth      | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Triplets Frame Rate    | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Triplets VSL Range     | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area Lock         | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (mm)     | 27             | 22               | 27      | 30             | 30               | 29         | 24             | 27                 | 24                   | 27         | 24             | 27                      | 24                        |
| Flow Area              | (mm)     | 1.4            | 1.4              | 1.4     | 1.9            | 1.9              | 2.1        | 1.9            | 1.4                | 1.8                  | 1.4        | 1.8            | 1.4                     | 1.8                       |
| Flow Area              | (mm)     | 1.6            | 2.0              | 1.6     | 1.7            | 1.7              | 1.7        | 1.7            | 1.6                | 1.7                  | 1.6        | 1.8            | 1.6                     | 1.7                       |
| Flow Area              | (Hz)     | n/a            | n/a              | 1002    | 814            | 3255             | 2604       | 9470           | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (Hz)     | 36             | 305              | n/a     | n/a            | n/a              | n/a        | n/a            | 15                 | 30                   | 111        | 34             | 15                      | 7.7                       |
| Flow Area              | (mm)     | 1.0            | 1.0              | n/a     | n/a            | n/a              | n/a        | n/a            | 1.0                | 1.0                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (mm)     | 59             | 31               | n/a     | n/a            | n/a              | n/a        | n/a            | 31                 | 31                   | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (mm)     | 7.6            | 5.7              | 7.6     | 7.2            | 7.2              | 7.2        | 4.9            | 7.6                | 4.9                  | 7.6        | 4.9            | 7.6                     | 4.9                       |
| Flow Area              | (mm)     | 6.5            | 6.5              | 6.5     | 6.5            | 6.5              | 6.5        | 6.5            | 6.5                | 6.5                  | 6.5        | 6.5            | 6.5                     | 6.5                       |
| Flow Area              | (mm)     | 5.2            | 5.2              | 5.2     | 5.0            | 5.0              | 5.0        | 5.1            | 5.2                | 5.0                  | 5.2        | 5.0            | 5.2                     | 5.0                       |
| Flow Area              | (MHz)    | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a            | n/a                | n/a                  | n/a        | n/a            | n/a                     | n/a                       |
| Flow Area              | (mm)     | Yes            | Yes              | Yes     | Yes            | Yes              | Yes        | Yes            | Yes                | Yes                  | Yes        | Yes            | Yes                     | Yes                       |
| Flow Area              | (mm)     | 1.2            | 1.2              | 1.2     | 1.2            | 1.2              | 1.2        | 1.2            | 1.2                | 1.2                  | 1.2        | 1.2            | 1.2                     | 1.2                       |
| Flow Area              | (mm)     | contact        | contact          | contact | contact        | contact          | contact    | contact        | contact            | contact              | contact    | contact        | contact                 | contact                   |
| Flow Area              | (mm)     | contact        | contact          | contact | contact        | contact          | contact    | contact        | contact            | contact              | contact    | contact        | contact                 | contact                   |
| Flow Area              | (mm)     | contact        | contact          | contact | contact        | contact          | contact    | contact        | contact            | contact              | contact    | contact        | contact                 | contact                   |

|                  |           |
|------------------|-----------|
| Maximum Power    | 22.00W    |
| P <sub>r</sub>   | 2.7 MPa   |
| I <sub>0</sub>   | 16 mW/cm² |
| I <sub>max</sub> | 65 mW/cm² |



Table 201.103 - Acoustic output reporting table

| Index label                                                          | MT   | TTS  |                                                                                         | TIB   | TTC  |
|----------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------------|-------|------|
|                                                                      |      | Scan | Non-scan<br>$A_{\text{max}} \leq 1 \text{ cm}^3 / A_{\text{max}} \times 1 \text{ cm}^3$ |       |      |
| Maximum Index Value                                                  | 0.80 | 0.49 | -                                                                                       | 0.089 | 0.56 |
| $p_{\text{r}, \text{a}}$ (MPa)                                       | 1.8  | -    | -                                                                                       | -     | -    |
| $P$ (mW)                                                             | -    | 20   | -                                                                                       | 1.3   | 22   |
| Min of $[P_{\text{a}}, I_{\text{a}}, I_{\text{a}, \text{a}}]$ (mW)   | -    | -    | -                                                                                       | -     | -    |
| $F_{\text{a}}$ (cm)                                                  | -    | -    | -                                                                                       | -     | -    |
| $F_{\text{a}, \text{p}}$ (cm)                                        | -    | -    | -                                                                                       | -     | -    |
| $F_{\text{a}, \text{p}}$ (cm)                                        | -    | -    | -                                                                                       | 1.9   | -    |
| $z$ at max. $I_{\text{a}, \text{a}}$ (cm)                            | -    | -    | -                                                                                       | -     | -    |
| $d_{\text{a}}(F_{\text{a}})$ (cm)                                    | 2.4  | -    | -                                                                                       | -     | -    |
| $f_{\text{a}}$ (MHz)                                                 | 5.2  | 5.2  | -                                                                                       | 5.2   | 5.2  |
| Dim of $A_{\text{a}}$ X (cm)                                         | -    | 1.2  | -                                                                                       | 0.57  | 1.2  |
| Y (cm)                                                               | -    | 0.65 | -                                                                                       | 0.65  | 0.65 |
| $I_{\text{a}}$ (uW/cm <sup>2</sup> )                                 | 0.24 | -    | -                                                                                       | -     | -    |
| $p_{\text{r}}$ at max. $I_{\text{a}}$ (Hz)                           | 2468 | -    | -                                                                                       | -     | -    |
| $d_{\text{a}}$ at max. $I_{\text{a}}$ (MPa)                          | 2.7  | -    | -                                                                                       | -     | -    |
| $d_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                           | -    | -    | -                                                                                       | -     | -    |
| $I_{\text{a}, \text{a}}$ at max. $I_{\text{a}}$ (W/cm <sup>2</sup> ) | 341  | -    | -                                                                                       | 0.17  | -    |
| Flow Length $F_{\text{L}}$ (cm)                                      | -    | 1.7  | -                                                                                       | -     | 1.7  |
| $F_{\text{L}}$ (cm)                                                  | -    | -    | -                                                                                       | -     | -    |
| PWR% (%)                                                             | 100  | 100  | -                                                                                       | 100   | 100  |
| Tx Mode                                                              | B/M  | B/M  | -                                                                                       | B/M   | B/M  |
| Wave Mode                                                            | FND  | FND  | -                                                                                       | FND   | FND  |
| Frequency (B)                                                        | Std  | Std  | -                                                                                       | Std   | Std  |
| Focus (B)                                                            | F4   | F3   | -                                                                                       | F3    | F3   |
| Scan's (B)                                                           | 100  | 25   | -                                                                                       | 25    | 25   |
| Range                                                                | (%)  | 21.0 | 2.5                                                                                     | -     | 2.5  |
| PRF Limit                                                            | ON   | OFF  | -                                                                                       | OFF   | OFF  |
| Line Density                                                         | Low  | High | -                                                                                       | High  | High |
| Flow Mode                                                            | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Ref. Frequency (Color)                                               | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Focus (Color)                                                        | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Flow's (Color)                                                       | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Color Velocity Range                                                 | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Packet Size                                                          | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Flow Area Depth                                                      | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Color Line Density                                                   | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Pw Mode                                                              | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| High PRF                                                             | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Ref. Frequency (D)                                                   | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Focus (D)                                                            | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Doppler Velocity Range                                               | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Sample gate size                                                     | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Sample gate depth                                                    | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Triplex Frame Rate                                                   | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Triplex VEL Range                                                    | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |
| Flow Area Lock                                                       | n/a  | n/a  | n/a                                                                                     | n/a   | n/a  |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any 'non-scan' column not intended for transcranial or neonatal cephalic use

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TIB or TIL

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT

NOTE 5 Flow Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{a}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 - Acoustic output reporting table

| Index label                                                          | MT   | TTS  |                                                                                         | TIB | TTC  |
|----------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------------|-----|------|
|                                                                      |      | Scan | Non-scan<br>$A_{\text{max}} \leq 1 \text{ cm}^3 / A_{\text{max}} \times 1 \text{ cm}^3$ |     |      |
| Maximum Index Value                                                  | 0.80 | 0.52 | -                                                                                       | -   | 0.55 |
| $p_{\text{r}, \text{a}}$ (MPa)                                       | 1.8  | -    | -                                                                                       | -   | -    |
| $P$ (mW)                                                             | -    | 21   | -                                                                                       | -   | 22   |
| Min of $[P_{\text{a}}, I_{\text{a}}, I_{\text{a}, \text{a}}]$ (mW)   | -    | -    | -                                                                                       | -   | -    |
| $F_{\text{a}}$ (cm)                                                  | -    | -    | -                                                                                       | -   | -    |
| $F_{\text{a}, \text{p}}$ (cm)                                        | -    | -    | -                                                                                       | -   | -    |
| $F_{\text{a}, \text{p}}$ (cm)                                        | -    | -    | -                                                                                       | -   | -    |
| $z$ at max. $I_{\text{a}, \text{a}}$ (cm)                            | -    | -    | -                                                                                       | -   | -    |
| $d_{\text{a}}(F_{\text{a}})$ (cm)                                    | 2.4  | -    | -                                                                                       | -   | -    |
| $f_{\text{a}}$ (MHz)                                                 | 5.2  | 5.2  | -                                                                                       | -   | 5.2  |
| Dim of $A_{\text{a}}$ X (cm)                                         | -    | 1.2  | -                                                                                       | -   | 1.2  |
| Y (cm)                                                               | -    | 0.65 | -                                                                                       | -   | 0.65 |
| $I_{\text{a}}$ (uW/cm <sup>2</sup> )                                 | 0.24 | -    | -                                                                                       | -   | -    |
| $p_{\text{r}}$ at max. $I_{\text{a}}$ (Hz)                           | 2124 | -    | -                                                                                       | -   | -    |
| $d_{\text{a}}$ at max. $I_{\text{a}}$ (MPa)                          | 2.7  | -    | -                                                                                       | -   | -    |
| $d_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                           | -    | -    | -                                                                                       | -   | -    |
| $I_{\text{a}, \text{a}}$ at max. $I_{\text{a}}$ (W/cm <sup>2</sup> ) | 341  | -    | -                                                                                       | -   | -    |
| Flow Length $F_{\text{L}}$ (cm)                                      | -    | 1.7  | -                                                                                       | -   | 1.7  |
| $F_{\text{L}}$ (cm)                                                  | -    | -    | -                                                                                       | -   | -    |
| PWR% (%)                                                             | 100  | 100  | -                                                                                       | -   | 100  |
| Tx Mode                                                              | B    | B    | -                                                                                       | -   | B    |
| Wave Mode                                                            | FND  | FND  | -                                                                                       | -   | FND  |
| Frequency (B)                                                        | Std  | Std  | -                                                                                       | -   | Std  |
| Focus (B)                                                            | F4   | F3   | -                                                                                       | -   | F3   |
| Scan's (B)                                                           | 100  | 25   | -                                                                                       | -   | 25   |
| Range                                                                | (%)  | 21.0 | 2.5                                                                                     | -   | 2.5  |
| PRF Limit                                                            | ON   | OFF  | -                                                                                       | -   | OFF  |
| Line Density                                                         | Low  | High | -                                                                                       | -   | High |
| Flow Mode                                                            | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Ref. Frequency (Color)                                               | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Focus (Color)                                                        | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Flow's (Color)                                                       | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Color Velocity Range                                                 | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Packet Size                                                          | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Flow Area Depth                                                      | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Color Line Density                                                   | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Pw Mode                                                              | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| High PRF                                                             | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Ref. Frequency (D)                                                   | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Focus (D)                                                            | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Doppler Velocity Range                                               | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Sample gate size                                                     | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Sample gate depth                                                    | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Triplex Frame Rate                                                   | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Triplex VEL Range                                                    | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |
| Flow Area Lock                                                       | n/a  | n/a  | n/a                                                                                     | n/a | n/a  |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any 'non-scan' column not intended for transcranial or neonatal cephalic use

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TIB or TIL

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT

NOTE 5 Flow Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{a}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |





Table 291.103 – Acoustics output reporting table

| Index label                                | MT     | TTS    |          | TIB    | TTC    |
|--------------------------------------------|--------|--------|----------|--------|--------|
|                                            |        | Scan   | Non-scan |        |        |
| Maximum Index Value                        | 0.77   | -      | -        | 1.7    | 1.3    |
| $f_{p,a}$ (MPa)                            | 1.7    | -      | -        | -      | -      |
| $f_{p,a}$ (mW)                             |        | -      | 30       | 25     | 25     |
| Min of $[P_a(f_a), I_{max}(f_a)]$          |        |        | -        | -      | -      |
| $f_a$ (cm)                                 |        |        | -        | -      | -      |
| $f_{ap}$ (cm)                              |        |        | -        | -      | -      |
| $f_s$ (cm)                                 |        |        | -        | -      | -      |
| $f_{sa}$ at max $I_{p,a}$ (cm)             | 2.7    |        | -        | 0.70   | -      |
| $d_{ap}(f_a)$ (cm)                         |        |        | -        | -      | -      |
| $f_{ad}$ (MHz)                             | 5.0    | -      | 5.0      | -      | 5.0    |
| Dim of $A_{ap}$ X                          |        | -      | 1.1      | -      | 0.27   |
| Y                                          |        | -      | 0.65     | -      | 0.65   |
| $f_s$ (jue)                                | 0.31   |        | -        | -      | -      |
| $f_{pr}$ (Hz)                              | 2604   |        | -        | -      | -      |
| $f_p$ at max $I_{p,a}$ (MPa)               | 2.6    |        | -        | -      | -      |
| $d_{ap}$ at max $I_{p,a}$ (cm)             |        |        | -        | -      | -      |
| $I_{max}$ at max $MT$ (W/cm <sup>2</sup> ) | 203    |        | -        | -      | -      |
| Focal Length (cm)                          |        |        | -        | -      | -      |
| Fly (cm)                                   |        | -      | 2.8      | -      | 2.8    |
| Power (%)                                  | 100    | -      | 100      | -      | 100    |
| Tx Mode                                    | M/Flow | -      | M/Flow   | -      | M/Flow |
| Wave Mode                                  | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Frequency (B)                              | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Focus (B)                                  | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Shape (B)                                  | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Range                                      | 21.0   | -      | 13.0     | -      | 2.5    |
| PRF Limit                                  | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Line Density                               | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Plane Mode                                 | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Def. Frequency (Color)                     | Def    | -      | Def      | -      | Def    |
| Focus (Color)                              | F5     | -      | F8       | -      | F2     |
| Plane (Color)                              | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Color Velocity Range                       | 19.92  | -      | 33.20    | -      | 75.89  |
| Pixel Size                                 | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Plane Area Depth                           | 21.0   | -      | 21.0     | -      | 21.0   |
| Color Line Density                         | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Pre Mode                                   | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| High PRF                                   | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Def. Frequency (D)                         | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Focus (D)                                  | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Display Velocity Range                     | (cm/s) | W/Flow | W/Flow   | W/Flow | W/Flow |
| Sample gate size                           | (cm)   | W/Flow | W/Flow   | W/Flow | W/Flow |
| Sample gate depth                          | (cm)   | W/Flow | W/Flow   | W/Flow | W/Flow |
| Trigger Frame Rate                         | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Trigger VBL Range                          | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |
| Plane Area Lock                            | W/Flow | W/Flow | W/Flow   | W/Flow | W/Flow |

NOTE 1: Data entered only in the column is a use of the column related to TIB

NOTE 2: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 3: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 4: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 5: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 6: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 7: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 8: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 9: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 10: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 11: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 12: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 13: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 14: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 15: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

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NOTE 17: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

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NOTE 19: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 20: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 21: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 22: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 23: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 24: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 25: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 26: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 27: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 28: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 29: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 30: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 31: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 32: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 33: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 34: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 35: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 36: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 37: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 38: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 39: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 40: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 41: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 42: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 43: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 44: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 45: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 46: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 47: Information must be entered in the column related to TIB for any column related to TIB, TIB or TIB

NOTE 1 Data should only be entered in one of the volumes related to TB

NOTE 2 Information should not be provided regarding TB if the treatment actually not intended for treatment or treatment complete

NOTE 3 If the measurements of BMI, 12.0A are not, it is not required to enter any data in the volumes related to TB, TB or TB

NOTE 4 If the measurements of BMI, 12.0A are not, it is not required to enter any data in the volumes related to TB

NOTE 5 Foot length is a HCNHSA, value

Disaster recovery

**Display courtesy**



Table 201.103 – Acoustic output reporting table

| Index label                    |                              | MT                   | TTS                   |                       | TTH         | TTC         |
|--------------------------------|------------------------------|----------------------|-----------------------|-----------------------|-------------|-------------|
| Maximum Index Value            |                              |                      | Scan                  | Non-scan              | Non-scan    |             |
|                                |                              |                      | $A_{eq}<1\text{cm}^2$ | $A_{eq}>1\text{cm}^2$ |             |             |
| Associated acoustic parameters | $P_{r,s}$                    | (MPa)                | -                     | -                     | -           | 1.6         |
|                                | $P_r$                        | (mW)                 | 1.8                   | -                     | -           |             |
|                                | Min of $[P_r(x), I_{ac}(x)]$ | (mW)                 | -                     | 27                    | 24          | 26          |
|                                | $I_{ac}$                     | (cm)                 | -                     | -                     | -           |             |
|                                | $I_{ac}$                     | (cm)                 | -                     | -                     | -           |             |
|                                | $P_{ac}$                     | (cm)                 | 2.4                   | -                     | 0.70        |             |
|                                | $P_{ac}$ at max. $I_{ac}$    | (cm)                 | -                     | -                     | 0.26        |             |
|                                | $d_{ac}(x)$                  | (cm)                 | -                     | -                     | 0.27        | 0.50        |
|                                | $d_{ac}(x)$                  | (cm)                 | -                     | -                     | 0.19        | 2.8         |
|                                | $d_{ac}$ at max. $I_{ac}$    | (cm)                 | -                     | -                     | 0.65        | 100         |
| Other                          | Dim of $A_{eq}$              | (cm)                 | -                     | 0.65                  | 0.65        | 0.65        |
|                                | X                            | (cm)                 | -                     | -                     | -           |             |
|                                | Y                            | (cm)                 | -                     | -                     | -           |             |
|                                | $t_d$                        | (μsec)               | 0.24                  | -                     | -           |             |
|                                | $f_{pr}$                     | (Hz)                 | 13724                 | -                     | -           |             |
|                                | $P_r$ at max. $I_{ac}$       | (MPa)                | 2.7                   | -                     | -           |             |
|                                | $d_{ac}$ at max. $I_{ac}$    | (cm)                 | -                     | -                     | 0.23        |             |
|                                | $I_{ac}$ at max. $d_{ac}$    | (W/cm <sup>2</sup> ) | 341                   | -                     | -           |             |
|                                | $f_{Lx}$                     | (cm)                 | -                     | 6.7                   | -           | 0.50        |
|                                | $f_{Ly}$                     | (cm)                 | -                     | 2.8                   | -           | 2.8         |
| Information                    | Flow Area Lock               | (cm)                 | -                     | 100                   | 100         | 100         |
|                                | PWR%                         | (%)                  | -                     | 100                   | 100         | 100         |
|                                | Tx Mode                      | B/F/Flow/Pw          | -                     | B/F/Flow/Pw           | B/F/Flow/Pw | B/F/Flow/Pw |
|                                | Wave Mode                    | FND                  | -                     | FND                   | FND         | FND         |
|                                | Frequency (B)                | Sid                  | -                     | Sid                   | Sid         | Sid         |
|                                | Focus (B)                    | F4                   | -                     | F1                    | F1          | F3          |
|                                | Scan's (B)                   | 27                   | -                     | 27                    | 27          | 27          |
|                                | Range                        | 10.0                 | -                     | 13.0                  | 2.5         | 2.5         |
|                                | PRF Limit                    | OFF                  | -                     | OFF                   | OFF         | OFF         |
|                                | Line Density                 | Low                  | -                     | Medium                | Low         | Low         |
| Operating control conditions   | Flow Mode                    | Flow                 | -                     | Flow                  | Flow        | Flow        |
|                                | Ref. Frequency (Color)       | Sid                  | -                     | Sid                   | Sid         | Sid         |
|                                | Focus (Color)                | F7                   | -                     | F8                    | F1          | F1          |
|                                | Flow's (Color)               | 15                   | -                     | 15                    | 15          | 15          |
|                                | Color Velocity Range         | 44.27                | -                     | 33.20                 | 75.89       | 75.89       |
|                                | Picket Size                  | Low                  | -                     | High                  | Low         | Medium      |
|                                | Flow Area Depth              | 10.0                 | -                     | 13.0                  | 2.5         | 2.5         |
|                                | Color Line Density           | 1                    | -                     | 3                     | 1           | 2           |
|                                | Pw Mode                      | PW                   | -                     | PW                    | PW          | PW          |
|                                | High PRF                     | OFF                  | -                     | OFF                   | OFF         | OFF         |
|                                | Ref. Frequency (D)           | Sid                  | -                     | Sid                   | Sid         | Sid         |
|                                | Focus (D)                    | F1                   | -                     | F7                    | F2          | F1          |
|                                | Doppler Velocity Range       | 122.60               | -                     | 56.92                 | 166.25      | 122.60      |
|                                | Sample gate size             | (cm)                 | 0.1                   | -                     | 0.1         | 0.1         |
|                                | Sample gate depth            | (cm)                 | 0.0                   | -                     | 6.4         | 0.4         |
|                                | Triplets Frame Rate          | Medium               | -                     | Medium                | Medium      | Medium      |
|                                | Triplets VSL Range           | BFix                 | -                     | BFix                  | BFix        | BFix        |
|                                | Flow Area Lock               | OFF                  | -                     | OFF                   | OFF         | OFF         |

NOTE 1: Data should only be returned in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TTC for any transducers assuming not intended for transcranial or reservoir capsule uses

NOTE 3: If the requirements of 20.11.4.20 are met, A is not required to enter any data in the column related to TTS, TTH or TTC.

NOTE 4: If the requirements of 20.11.4.20 are met, A is not required to enter any data in the column related to MT.

NOTE 1 Data should only be entered in one of the columns related to TIS

DATA should only be entered in one of the columns related to IS

NOTE 2 Information need not be provided regarding TIC for any transaction assembly not intended for transnational or neonatal export.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to 201.12.4.2b.

NOTE 4 If the requirements of 201.12.4.2b are not met, the test is not valid.

| measurement uncertainty (%) |               |
|-----------------------------|---------------|
| $P$                         | 25.00%        |
| $I_{\mu}$                   | 37.14%        |
|                             | 4.8, 7.3, 2.4 |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T/I              | 40% or 0.4, whichever larger |

Table 201.103 – Accountic output reporting table

|                                | Index label                                          | MI    | TIS  |          | TIB | TTC  |
|--------------------------------|------------------------------------------------------|-------|------|----------|-----|------|
|                                |                                                      |       | Scan | Non-scan |     |      |
| Associated acoustic parameters | Maximum Index Value                                  | 0.80  | 0.65 | -        | -   | 0.88 |
|                                | $P_{r,e}$                                            | (MPa) | 1.8  | -        | -   | -    |
|                                | $P$                                                  | (mW)  | -    | 28       | -   | 28   |
|                                | Min of $[P_{r,e}(t_{s,i}), I_{\text{max}}(t_{s,i})]$ | (mW)  | -    | -        | -   | -    |
|                                | $I_{s,i}$                                            | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
| Other                          | $I_{\text{ave}}$ at max. $I_{\text{ave}}$            | 2.4   | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
| Information                    | $I_{\text{ave}}$ at max. MI                          | 341   | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
|                                | $I_{\text{ave}}$                                     | (cm)  | -    | -        | -   | -    |
| Operating conditions           | PWR%                                                 | 100   | 100  | -        | -   | 100  |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
| Operating conditions           | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLx                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLy                                                  | (cm)  | -    | -        | -   | -    |
|                                | FLz                                                  | (cm)  | -    | -        | -   |      |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transaction assumed, or not intended for transactional or nontransactional capital uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TES, THH or THO.

NOTE 3 If the requirements of 201.12.4.2.2 are met, it is not required to enter any data in the column related to ML.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 4 If the frequencies of 201, 126, 20 and

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_H$                       |
| $D$                         |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

ARIETTA 50

CC41R(T) Convex

Acoustic power is controllable by the user.

| Parameter                        | B <sub>0</sub> | B <sub>100</sub> | M       | D <sub>0</sub> | D <sub>100</sub> | (M+Color)lapa | (B+D) <sub>0</sub> | (B+D) <sub>100</sub> | (B+Color)lapa | (B+Color-D)lapa | (B+Color+D)lapa |
|----------------------------------|----------------|------------------|---------|----------------|------------------|---------------|--------------------|----------------------|---------------|-----------------|-----------------|
| Maximum power                    | 7.9            | 22               | 3.7     | 7.3            | 26               | 10            | 26                 | 25                   | 28            | 27              | 26              |
| p <sub>r</sub>                   | (mW)           |                  | 2.7     | 2.5            | 2.4              | 2.6           | 2.7                | 2.3                  | 2.7           | 2.7             | 1.8             |
| I <sub>0</sub>                   | (mPa)          |                  | 2.1     | 1.6            | 1.6              | 2.2           | 40                 | 79                   | 45            | 91              | 83              |
| I <sub>100</sub>                 | (mW/cm²)       |                  | 5.9     | 3.21           | 1143             | 443           | 1150               | 277                  | 49            | 522             | 1127            |
| PWR%                             | (%)            | 100              |         |                |                  |               |                    |                      |               |                 | 100             |
| Tx Mode                          | B              | FND              | M       | Pw             | Pw               | MFlow         | BFlow              | BFlow                | BFlow         | BFlow/Pw        | BFlow/Pw        |
| Wave Mode                        | FND            | FND              | FND     | n/a            | n/a              | n/a           | FND                | FND                  | FND           | FND             | FND             |
| Frequency (B)                    | Sid            | Sid              | Sid     | n/a            | n/a              | n/a           | Sid                | Sid                  | Sid           | Sid             | Sid             |
| Focus (B)                        | F4             | F3               | F4      | n/a            | n/a              | n/a           | F4                 | F3                   | F4            | F4              | F4              |
| Scans (B)                        | 100            | 25               | n/a     | n/a            | n/a              | n/a           | 25                 | 25                   | 27            | 27              | 27              |
| Range                            | (cm)           | 21.0             | 21.0    | n/a            | n/a              | 21.0          | 4.5                | 10.0                 | 4.5           | 10.0            | 4.5             |
| PRF Limit                        | ON             | OFF              | n/a     | n/a            | n/a              | n/a           | n/a                | OFF                  | OFF           | OFF             | OFF             |
| Line Density                     | Low            | High             | n/a     | n/a            | n/a              | n/a           | High               | High                 | High          | Low             | Medium          |
| Flow Mode                        | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | Flow            | Flow            |
| Ref. Frequency (Color)           | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | Sid                | n/a                  | Sid           | Sid             | Sid             |
| Focus (Color)                    | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | F4                 | n/a                  | F4            | F7              | F4              |
| Flow% (Color)                    | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | 15            | 15              | 15              |
| Color Velocity Range             | n/a            | n/a              | n/a     | n/a            | n/a              | 19.92         | 72.44              | n/a                  | 56.92         | 44.27           | 61.30           |
| Packet Size                      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | High          | Low             | High            |
| Flow Area Depth                  | n/a            | n/a              | n/a     | n/a            | n/a              | 21.0          | 21.0               | n/a                  | 4.5           | 10.0            | 4.5             |
| Color Line Density               | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | 3             | 1               | 3               |
| Pw Mode                          | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | n/a             | n/a             |
| High PRF                         | n/a            | n/a              | n/a     | OFF            | OFF              | n/a           | OFF                | OFF                  | n/a           | OFF             | OFF             |
| Ref. Frequency (D)               | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | Sid                | Sid                  | n/a           | Sid             | Sid             |
| Focus (D)                        | n/a            | n/a              | n/a     | F5             | F5               | n/a           | F7                 | F4                   | n/a           | F1              | F4              |
| Doppler Velocity Range           | (cm/s)         | n/a              | n/a     | 6.23           | 24.90            | n/a           | 19.92              | 39.84                | n/a           | 122.60          | 69.29           |
| Sample gate size                 | (cm)           | n/a              | n/a     | 0.1            | 0.1              | n/a           | 0.1                | 0.1                  | n/a           | 0.1             | 0.1             |
| Sample gate depth                | (cm)           | n/a              | n/a     | 2.8            | 2.8              | n/a           | 6.4                | 1.6                  | n/a           | 0.0             | 1.6             |
| Triplex Frame Rate               | (cm)           | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | Medium          | Medium          |
| Triplex VEL Range                | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | n/a             | n/a             |
| Flow Area Lock                   | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | n/a             | n/a             |
| F <sub>r</sub>                   | (mm)           | 27               | 22      | 30             | 30               | 29            | 24                 | 27                   | 24            | 27              | 24              |
| w <sub>jet</sub>                 | (mm)           | 1.4              | 1.4     | 1.9            | 1.9              | 2.1           | 1.9                | 1.4                  | 1.8           | 1.4             | 1.8             |
| μ <sub>rr</sub> (PRF)            | (Hz)           | 1.6              | 2.0     | 1.7            | 1.7              | 1.7           | 1.7                | 1.6                  | 1.8           | 1.6             | 1.7             |
| μ <sub>rr</sub> (SRF)            | (Hz)           | 36               | 305     | n/a            | n/a              | 2604          | 9470               | n/a                  | n/a           | n/a             | n/a             |
| μ <sub>rr</sub>                  | (Hz)           | 1.0              | 1.0     | n/a            | n/a              | n/a           | n/a                | 1.0                  | 1.0           | 1.0             | 1.0             |
| μ <sub>rr</sub>                  | (Hz)           | 59               | 31      | n/a            | n/a              | n/a           | 31                 | 31                   | 31            | 31              | 31              |
| Output beam dimensions           | (mm)           | 7.6              | 5.7     | 7.6            | 7.2              | 7.2           | 4.9                | 7.6                  | 4.9           | 7.6             | 4.9             |
| f <sub>ref</sub>                 | (MHz)          | 6.5              | 6.5     | 6.5            | 6.5              | 6.5           | 6.5                | 6.5                  | 6.5           | 6.5             | 6.5             |
| Acoustic Power-up fraction       | (%)            | 5.2              | 5.2     | 5.0            | 5.0              | 5.0           | 5.1                | 5.0                  | 5.0           | 5.2             | 5.0             |
| Power-up mode                    | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | n/a             | n/a             |
| Acoustic Initialization fraction | (%)            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | n/a             | n/a             |
| Initialization mode              | n/a            | n/a              | n/a     | n/a            | n/a              | n/a           | n/a                | n/a                  | n/a           | n/a             | n/a             |
| Acoustic output freeze           | Yes            | Yes              | Yes     | Yes            | Yes              | Yes           | Yes                | Yes                  | Yes           | Yes             | Yes             |
| f <sub>0</sub>                   | (mm)           | 1.2              | 1.2     | 1.2            | 1.2              | 1.2           | 1.2                | 1.2                  | 1.2           | 1.2             | 1.2             |
| Inclusive modes                  | contact        | contact          | contact | contact        | contact          | contact       | contact            | contact              | contact       | contact         | contact         |

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| f <sub>ref</sub>            | 37.14% |
| P <sub>r</sub>              | 18.75% |

Table 201.153 - Acoustic ceiling suspension tests

| Index label                    |                                                    | MT   | Scan | TIS | TIR | TTC  |
|--------------------------------|----------------------------------------------------|------|------|-----|-----|------|
| Associated acoustic parameters | Maximum Index Value                                | 0.80 | 0.52 | -   | -   | 0.55 |
|                                | $P_{r, \alpha}$ (MPa)                              | 1.8  |      |     |     |      |
|                                | $P_{r, \alpha}$ (mW)                               |      | 21   | -   | -   | 22   |
|                                | Min of $[P_r(x, y), I_{\text{max}}(x, y)]$ (mW)    |      |      | -   | -   |      |
|                                | $I_{\text{max}}$ (cm)                              |      |      | -   | -   |      |
|                                | $P_{\text{iso}}$ (cm)                              |      |      | -   | -   |      |
|                                | $I_{\text{iso}}$ (cm)                              |      |      | -   | -   |      |
|                                | $P_r$ at max. $I_{\text{max}}$ (cm)                | 2.4  |      | -   | -   |      |
|                                | $I_{\text{max}}$ at max. $I_{\text{max}}$ (cm)     |      |      | -   | -   |      |
|                                | $I_{\text{max}}$ (MHz)                             | 5.2  | 5.2  | -   | -   | 5.2  |
| Other                          | Dim of $I_{\text{max}}$ X (cm)                     |      | 1.2  | -   | -   | 1.2  |
|                                | Y (cm)                                             |      | 0.65 | -   | -   | 0.65 |
|                                | $I_{\text{max}}$ (uac)                             | 0.24 |      |     |     |      |
|                                | $P_{\text{iso}}$ (Hz)                              | 2124 |      |     |     |      |
|                                | $P_r$ at max. $I_{\text{max}}$ (MPa)               | 2.7  |      |     |     |      |
|                                | $I_{\text{max}}$ at max. $I_{\text{max}}$ (cm)     |      |      |     |     |      |
|                                | $I_{\text{max}}$ at max. $MI$ (W/cm <sup>2</sup> ) | 341  |      |     |     |      |
|                                | $I_{\text{max}}$ at max. $MI$ (cm)                 |      | 1.7  | -   | -   | 1.7  |
|                                | $I_{\text{max}}$ (cm)                              |      | 2.8  | -   | -   | 2.8  |
|                                | $PWR\%$ (%)                                        | 100  | 100  | -   | -   | 100  |
| Operating control conditions   | TX Mode                                            | B    | B    | -   | -   | B    |
|                                | Wave Mode                                          | PND  | PND  | -   | -   | PND  |
|                                | Frequency (B)                                      | Sid  | Sid  | -   | -   | Sid  |
|                                | Focus (B)                                          | F4   | F3   | -   | -   | F3   |
|                                | Scans (B)                                          | 100  | 25   | -   | -   | 25   |
|                                | Range (cm)                                         | 21.0 | 2.5  | -   | -   | 2.5  |
|                                | PRF Limit                                          | ON   | OFF  | -   | -   | OFF  |
|                                | Line Density                                       | Low  | High | -   | -   | High |
|                                | Flow Mode                                          | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Ref. Frequency (Color)                             | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Focus (Color)                                      | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Flow% (Color)                                      | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Color Velocity Range (cm/s)                        | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Packets Size                                       | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Flow Area Depth                                    | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Color Line Density                                 | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Pw Mode                                            | n/a  | n/a  | n/a | n/a | n/a  |
|                                | High PRF                                           | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Ref. Frequency (D)                                 | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Focus (D)                                          | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Doppler Velocity Range (cm/s)                      | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Sample gate size (cm)                              | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Sample gate depth (cm)                             | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Triplets Frame Rate (cm)                           | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Triplets VEL Range                                 | n/a  | n/a  | n/a | n/a | n/a  |
|                                | Flow Area Lock                                     | n/a  | n/a  | n/a | n/a | n/a  |

NOTE 1 Data should only be entered in case of the columns related to TIS

NOTE 2 Information need not be provided regarding TTC for any measurement system not intended for transcranial or intracranial Doppler uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIR or TTC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter data in the columns related to MT.

|        | Flow                                                                                                                                      | Area | LC | 10.8 | 10.9 | 10.10 | 10.11 | 10.12 |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------|------|----|------|------|-------|-------|-------|
| NOTE 1 | Data should only be entered in one of the columns related to TIS                                                                          |      |    |      |      |       |       |       |
| NOTE 2 | Information need not be provided regarding TIO for any transducer assembly not transduced for untransduced or nontransduced cephalo cases |      |    |      |      |       |       |       |
| NOTE 3 | If the requirements of 201.12.4.2.6 are met, it is not required to enter any data in the columns related to TIS, TBI or TIO.              |      |    |      |      |       |       |       |
| NOTE 4 | If the requirements of 201.12.4.2.6 are met, it is not required to enter any data in the columns related to MI.                           |      |    |      |      |       |       |       |
| NOTE 5 | Field Length is a NOMINAL value                                                                                                           |      |    |      |      |       |       |       |

| measurement uncertainty (%) |           |
|-----------------------------|-----------|
| $p$                         | 25.00%    |
| $I_{\mu}$                   | 37.14%    |
|                             | 1.8. 703M |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| IT               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                                | MT    | Scan | TIS  | TIR  | TTC  |
|--------------------------------|------------------------------------------------|-------|------|------|------|------|
| Maximum Index Value            | $P_{\text{max}}$                               | 0.80  | -    | 0.14 | -    | 0.23 |
|                                | $P$                                            | 1.8   | -    | -    | -    | 0.15 |
| Associated acoustic parameters | $\text{Min of } [P(x,y), f_{\text{max}}(x,y)]$ | (mW)  | -    | 6.0  | -    | 3.7  |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | -    | 6.0  |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | -    | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | -    | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | 2.4  | -    | 2.3  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | -    | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | -    | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | -    | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | -    | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | -    | -    |
| Other                          | $f_{\text{max}}$                               | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$                               | (cm)  | -    | -    | 0.65 | -    |
| Information                    | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
| Operating control conditions   | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (MHz) | 5.2  | -    | 4.8  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 1.2  | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.76 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{max}}$      | (cm)  | -    | -    | 0.65 | -    |
|                                | $f_{\text{max}}$ at max. $f_{\text{$           |       |      |      |      |      |

|        | TOTAL DATA                                                                                                                                     | YTD | QTD | MTD | WTD | DAILY |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-------|
| NOTE 1 | Data should only be entered in one of the columns related to YTD                                                                               |     |     |     |     |       |
| NOTE 2 | If information need not be provided regarding TTD, for all transactions except not intended for transactional or nontransactional capital uses |     |     |     |     |       |
| NOTE 3 | If the requirements of 2011.2A are met, it is not required to enter any data in the columns related to YTD, TTB or TTD.                        |     |     |     |     |       |
| NOTE 4 | If the requirements of 2011.2A are met, it is not required to enter any data in the columns related to YTD, TTB or TTD.                        |     |     |     |     |       |
| NOTE 5 | Entered in month of 2009/01/01 - 2009/01/01                                                                                                    |     |     |     |     |       |

| Display accuracy |                              |
|------------------|------------------------------|
| <i>MI</i>        | 20% or 0.2, whichever larger |
| <i>TI</i>        | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table

| Index label                                      | M/I      | TTS  |          | T7B | T7C    |
|--------------------------------------------------|----------|------|----------|-----|--------|
|                                                  |          | Scan | Non-scan |     |        |
| Maximum Index Values                             | 0.80     | -    | 0.71     | -   | 1.7    |
| $P_{r,a}$ (MPa)                                  | 1.8      | -    | -        | -   | -      |
| $P$ (mW)                                         | -        | -    | 30       | -   | 25     |
| Min of $[P_{r,a}(t), I_{w,a}(t)]$ (mW)           | -        | -    | -        | -   | -      |
| $I_a$ (cm)                                       | -        | -    | -        | -   | -      |
| $I_w$ (cm)                                       | -        | -    | -        | -   | -      |
| $I_b$ (cm)                                       | -        | -    | -        | -   | -      |
| $I$ at max. $I_{w,a}$ (cm)                       | 2.4      | -    | -        | -   | 0.70   |
| $I_{w,a}$ at max. $I_{w,a}$ (cm)                 | -        | -    | -        | -   | -      |
| $I_{w,a}$ (MHz)                                  | B5.1, I6 | -    | D4.97    | -   | 0.26   |
| $I_{w,a}$ (cm)                                   | -        | -    | 1.1      | -   | D4.98  |
| Dim of $A_{w,a}$ (cm)                            | -        | -    | 0.65     | -   | 0.65   |
| $I_a$ (jasec)                                    | 0.24     | -    | -        | -   | -      |
| $I_a$ (Hz)                                       | 2353     | -    | -        | -   | -      |
| $I$ at max. $I_{w,a}$ (MPa)                      | 2.7      | -    | -        | -   | -      |
| $I_{w,a}$ at max. $I_{w,a}$ (cm)                 | -        | -    | -        | -   | 0.23   |
| $I_{w,a}$ at max. $I_{w,a}$ (W/cm <sup>2</sup> ) | 341      | -    | -        | -   | -      |
| Focal Length FLx (cm)                            | -        | -    | 8.5      | -   | 0.50   |
| FLy (cm)                                         | -        | -    | 2.8      | -   | 2.8    |
| PWR% (%)                                         | 100      | -    | 100      | -   | 100    |
| Tx Mode                                          | B/Pw     | -    | B/Pw     | -   | B/Pw   |
| Wave Mode                                        | FND      | -    | FND      | -   | FND    |
| Frequency (B)                                    | Sid      | -    | Sid      | -   | Sid    |
| Focus (B)                                        | F4       | -    | F1       | -   | F1     |
| Scan% (B)                                        | 25       | -    | 25       | -   | 25     |
| Range (cm)                                       | 10.0     | -    | 13.0     | -   | 2.5    |
| PFE Limit                                        | OFF      | -    | OFF      | -   | OFF    |
| Line Density                                     | High     | -    | Low      | -   | Low    |
| Flow Mode                                        | n/a      | -    | n/a      | -   | n/a    |
| Ref. Frequency (Color)                           | n/a      | -    | n/a      | -   | n/a    |
| Focus (Color)                                    | n/a      | -    | n/a      | -   | n/a    |
| Flow% (Color)                                    | n/a      | -    | n/a      | -   | n/a    |
| Color Velocity Range (cm/s)                      | n/a      | -    | n/a      | -   | n/a    |
| Packet Size                                      | n/a      | -    | n/a      | -   | n/a    |
| Flow Area Depth                                  | n/a      | -    | n/a      | -   | n/a    |
| Color Line Density                               | n/a      | -    | n/a      | -   | n/a    |
| Pw Mode                                          | PW       | -    | PW       | -   | PW     |
| High PFE                                         | OFF      | -    | OFF      | -   | OFF    |
| Ref. Frequency (D)                               | Sid      | -    | Sid      | -   | Sid    |
| Focus (D)                                        | F7       | -    | F8       | -   | F2     |
| Doppler Velocity Range (cm/s)                    | 19.92    | -    | 24.90    | -   | 106.25 |
| Sample gate size (cm)                            | 0.1      | -    | 0.1      | -   | 0.1    |
| Sample gate depth (cm)                           | 6.4      | -    | 8.8      | -   | 0.4    |
| Triplex Frame Rate                               | n/a      | -    | n/a      | -   | n/a    |
| Triplex VFL Range                                | n/a      | -    | n/a      | -   | n/a    |
| Flow Area Lock                                   | n/a      | -    | n/a      | -   | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TTS for any transducer unless not intended for transducer or non-scan output uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, T7B or T7C

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to M/I

NOTE 5 Focal Length is a NOMINAL value

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $I_a$                       | 37.14% |
| $I_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                                      | M/I    | TTS  |          | T7B | T7C    |
|--------------------------------------------------|--------|------|----------|-----|--------|
|                                                  |        | Scan | Non-scan |     |        |
| Maximum Index Values                             | 0.77   | -    | 0.71     | -   | 1.3    |
| $P_{r,a}$ (MPa)                                  | 1.7    | -    | -        | -   | -      |
| $P$ (mW)                                         | -      | -    | 30       | -   | 25     |
| Min of $[P_{r,a}(t), I_{w,a}(t)]$ (mW)           | -      | -    | -        | -   | -      |
| $I_a$ (cm)                                       | -      | -    | -        | -   | -      |
| $I_w$ (cm)                                       | -      | -    | -        | -   | -      |
| $I_b$ (cm)                                       | -      | -    | -        | -   | -      |
| $I$ at max. $I_{w,a}$ (cm)                       | 2.7    | -    | -        | -   | 0.70   |
| $I_{w,a}$ at max. $I_{w,a}$ (cm)                 | -      | -    | -        | -   | -      |
| $I_{w,a}$ (MHz)                                  | 5.0    | -    | 5.0      | -   | 5.0    |
| Dim of $A_{w,a}$ (cm)                            | -      | -    | 1.1      | -   | 0.27   |
| $I_a$ (jasec)                                    | 0.31   | -    | 0.65     | -   | 0.65   |
| $I_a$ (Hz)                                       | 2604   | -    | -        | -   | -      |
| $I$ at max. $I_{w,a}$ (MPa)                      | 2.6    | -    | -        | -   | -      |
| $I_{w,a}$ at max. $I_{w,a}$ (cm)                 | -      | -    | -        | -   | 0.24   |
| $I_{w,a}$ at max. $I_{w,a}$ (W/cm <sup>2</sup> ) | 203    | -    | -        | -   | -      |
| Focal Length FLx (cm)                            | -      | -    | 8.5      | -   | 0.70   |
| FLy (cm)                                         | -      | -    | 2.8      | -   | 2.8    |
| PWR% (%)                                         | 100    | -    | 100      | -   | 100    |
| Tx Mode                                          | M/Flow | -    | M/Flow   | -   | M/Flow |
| Wave Mode                                        | n/a    | -    | n/a      | -   | n/a    |
| Frequency (B)                                    | n/a    | -    | n/a      | -   | n/a    |
| Focus (B)                                        | n/a    | -    | n/a      | -   | n/a    |
| Scan% (B)                                        | n/a    | -    | n/a      | -   | n/a    |
| Range (cm)                                       | 21.0   | -    | 13.0     | -   | 2.5    |
| PFE Limit                                        | n/a    | -    | n/a      | -   | n/a    |
| Line Density                                     | n/a    | -    | n/a      | -   | n/a    |
| Flow Mode                                        | n/a    | -    | n/a      | -   | n/a    |
| Ref. Frequency (Color)                           | Sid    | -    | Sid      | -   | Sid    |
| Focus (Color)                                    | F5     | -    | F8       | -   | F2     |
| Flow% (Color)                                    | n/a    | -    | n/a      | -   | n/a    |
| Color Velocity Range (cm/s)                      | 19.92  | -    | 33.20    | -   | 75.89  |
| Packet Size                                      | n/a    | -    | n/a      | -   | n/a    |
| Flow Area Depth                                  | 21.0   | -    | 21.0     | -   | 21.0   |
| Color Line Density                               | n/a    | -    | n/a      | -   | n/a    |
| Pw Mode                                          | n/a    | -    | n/a      | -   | n/a    |
| High PFE                                         | n/a    | -    | n/a      | -   | n/a    |
| Ref. Frequency (D)                               | n/a    | -    | n/a      | -   | n/a    |
| Focus (D)                                        | n/a    | -    | n/a      | -   | n/a    |
| Doppler Velocity Range (cm/s)                    | n/a    | -    | n/a      | -   | n/a    |
| Sample gate size (cm)                            | n/a    | -    | n/a      | -   | n/a    |
| Sample gate depth (cm)                           | n/a    | -    | n/a      | -   | n/a    |
| Triplex Frame Rate                               | n/a    | -    | n/a      | -   | n/a    |
| Triplex VFL Range                                | n/a    | -    | n/a      | -   | n/a    |
| Flow Area Lock                                   | n/a    | -    | n/a      | -   | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TTS for any transducer unless not intended for transducer or non-scan output uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, T7B or T7C

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to M/I

NOTE 5 Focal Length is a NOMINAL value

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $I_a$                       | 37.14% |
| $I_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                         | M/I                  | TIS                   |                       | TIB                   | TTC        |
|--------------------------------|-----------------------------------------|----------------------|-----------------------|-----------------------|-----------------------|------------|
| Maximum Index Value            |                                         |                      | Scan                  | Non-scan              | Non-scan              |            |
|                                |                                         |                      | $A_{mp} \text{ cm}^3$ | $A_{mp} \text{ cm}^3$ | $A_{mp} \text{ cm}^3$ |            |
| Associated acoustic parameters | $p_{r,a}$                               | (MPa)                | 0.80                  | 0.65                  | -                     | -          |
|                                | $p_r$                                   | (mW)                 | 1.8                   | -                     | -                     | -          |
|                                | Min of [ $p_{r,a}(t_a), I_{a,a}(t_a)$ ] | (mW)                 | -                     | 28                    | -                     | 28         |
|                                | $f_a$                                   | (cm)                 | -                     | -                     | -                     | -          |
|                                | $t_a$                                   | (cm)                 | -                     | -                     | -                     | -          |
|                                | $x$ at max. $I_{a,a}$                   | (cm)                 | -                     | -                     | -                     | -          |
|                                | $x$ at max. $I_{a,a}$                   | (cm)                 | 2.4                   | -                     | -                     | -          |
|                                | $f_a(t_a)$                              | (MHz)                | -                     | -                     | -                     | -          |
|                                | $f_{ad}$                                | (MHz)                | B-5.1, C-5            | -                     | -                     | B-5.1, C-5 |
|                                | Dir of $A_{mp}$                         | (cm)                 | 0.87                  | -                     | -                     | -          |
| Other information              | $X$                                     | (cm)                 | 0.65                  | -                     | -                     | -          |
|                                | $Y$                                     | (cm)                 | -                     | -                     | -                     | -          |
|                                | $I_a$                                   | (μsec)               | 0.24                  | -                     | -                     | -          |
|                                | $p_r$ at max. $I_a$                     | (Hz)                 | 6758                  | -                     | -                     | -          |
|                                | $p_r$ at max. $I_a$                     | (MPa)                | 2.7                   | -                     | -                     | -          |
|                                | $I_{a,a}$ at max. $I_a$                 | (cm)                 | -                     | -                     | -                     | -          |
|                                | $f_a$ at max. $I_a$                     | (W/cm <sup>2</sup> ) | 341                   | -                     | -                     | -          |
|                                | Focus at max. $M/I$                     | (cm)                 | -                     | -                     | -                     | -          |
|                                | FLx                                     | (cm)                 | 1.9                   | -                     | -                     | 1.1        |
|                                | FLy                                     | (cm)                 | 2.8                   | -                     | -                     | 2.8        |
| Operating control conditions   | PWR%                                    | (%)                  | 100                   | 100                   | -                     | 100        |
|                                | Tx Mode                                 | B/Flow               | B/Flow                | -                     | -                     | B/Flow     |
|                                | Wave Mode                               | PND                  | PND                   | -                     | -                     | PND        |
|                                | Frequency (B)                           | Std                  | Std                   | -                     | -                     | Std        |
|                                | Focus (B)                               | F4                   | F1                    | -                     | -                     | F1         |
|                                | Scan's (B)                              | 25                   | 25                    | -                     | -                     | 27         |
|                                | Range                                   | 10.0                 | 4.5                   | -                     | -                     | 2.5        |
|                                | PRF Limit                               | OFF                  | OFF                   | -                     | -                     | OFF        |
|                                | Line Density                            | Low                  | Low                   | -                     | -                     | High       |
|                                | Flow Mode                               | Flow                 | Flow                  | -                     | -                     | Flow       |
| Flow Area Lock                 | Ref. Frequency (Color)                  | Std                  | Std                   | -                     | -                     | Std        |
|                                | Focus (Color)                           | F7                   | F4                    | -                     | -                     | F3         |
|                                | Flow's (Color)                          | 15                   | 15                    | -                     | -                     | 15         |
|                                | Color Velocity Range                    | 56.92                | 61.30                 | -                     | -                     | 66.41      |
|                                | Picket Size                             | Low                  | Low                   | -                     | -                     | High       |
|                                | Flow Area Depth                         | 8.5                  | 4.5                   | -                     | -                     | 2.5        |
|                                | Color Line Density                      | 1                    | 1                     | -                     | -                     | 3          |
|                                | Pw Mode                                 | n/a                  | n/a                   | n/a                   | n/a                   | n/a        |
|                                | High PRF                                | n/a                  | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Ref. Frequency (D)                      | n/a                  | n/a                   | n/a                   | n/a                   | n/a        |
| Flow Area Lock                 | Focus (D)                               | n/a                  | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Display Velocity Range                  | (cm/s)               | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Sample gate size                        | (cm)                 | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Sample gate depth                       | (cm)                 | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Triplets Frame Rate                     | (cm)                 | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Triplets VFL Range                      | (cm)                 | n/a                   | n/a                   | n/a                   | n/a        |
|                                | Flow Area Lock                          | n/a                  | n/a                   | n/a                   | n/a                   | n/a        |

NOTE 1: Data should only be entered in use of the columns related to TIS

NOTE 2: Information need not be provided regarding TTD for any transducer assembly not intended for transponder or associated cables

NOTE 3: If the column is not used, the column should be marked as "N/A" or "Not Applicable". If the column is not used, the column should be marked as "N/A" or "Not Applicable".

NOTE 4: If the column is not used, the column should be marked as "N/A" or "Not Applicable". If the column is not used, the column should be marked as "N/A" or "Not Applicable".

NOTE 5: Focus Length is a NOMINAL value

NOTE 1 Data should only be entered in one of the columns related to TYS  
NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transaxial or neonatal cephalic uses  
NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TYS, TIB or TIC.  
NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MIB, TIB or TIC.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_H$                       | 37.14% |
| $\sigma$                    | 18.75% |



Acoustic output data in accordance with IEC 61157/42.2, accompanying literature

| Convex<br>C22K                              |                |                  |                |                  |                |                  |             |                            |             |                            |               |                              |         |
|---------------------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|-------------|----------------------------|-------------|----------------------------|---------------|------------------------------|---------|
| Acoustic power is controllable by the user. |                |                  |                |                  |                |                  |             |                            |             |                            |               |                              |         |
| Parameter                                   | B <sub>0</sub> | B <sub>max</sub> | M <sub>0</sub> | M <sub>max</sub> | D <sub>0</sub> | D <sub>max</sub> | (M+Color)/p | (M+Color)/p <sub>max</sub> | (B+Color)/p | (B+Color)/p <sub>max</sub> | (B+Color-D)/p | (B+Color-D)/p <sub>max</sub> |         |
| Maximum power                               | 42             | 36               | 19             | 29               | 22             | 26               | 25          | 27                         | 6.5         | 26                         | 5.1           | 33                           | 6.3     |
| P <sub>r</sub>                              | (mW)           |                  |                |                  |                |                  |             |                            |             |                            |               |                              |         |
| P <sub>0</sub>                              | (mW)           | 3.2              | 1.9            | 3.2              | 2.8            | 2.5              | 2.8         | 2.3                        | 3.2         | 2.8                        | 3.2           | 1.9                          | 3.2     |
| I <sub>0</sub>                              | (mW/cm²)       | 57               | 92             | 25               | 39             | 31               | 37          | 39                         | 27          | 40                         | 23            | 73                           | 40      |
| I <sub>max</sub>                            | (mW/cm²)       | 17               | 68             | 365              | 483            | 449              | 529         | 532                        | 39          | 525                        | 2.1           | 99                           | 55      |
| PWR%                                        | (%)            | 100              | 100            | 100              | 100            | 100              | 100         | 100                        | 100         | 100                        | 100           | 100                          | 100     |
| Tx Mode                                     | B              | B                | M              | M                | Pw             | Pw               | M/Flow      | M/Flow                     | B/Pw        | B/Pw                       | B/Flow        | B/Flow                       | B/Flow  |
| Wave Mode                                   | FND            | FND              | FND            | THRP-L           | n/a            | n/a              | n/a         | n/a                        | FND         | FND                        | FND           | FND                          | FND     |
| Frequency (B)                               | Std            | Penet            | Std            | Reso             | n/a            | n/a              | n/a         | n/a                        | Std         | Penet                      | Std           | Penet                        | Penet   |
| Focus (B)                                   | F4             | F4               | F4             | F4               | n/a            | n/a              | n/a         | n/a                        | F4          | F4                         | F4            | F4                           | F4      |
| Scans (B)                                   | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | 100         | 25                         | 100           | 25                           | 100     |
| Range                                       | (cm)           | 30.0             | 30.0           | 30.0             | 30.0           | 30.0             | 30.0        | 30.0                       | 30.0        | 30.0                       | 30.0          | 30.0                         | 30.0    |
| PRF Limit                                   | ON             | OFF              | ON             | ON               | n/a            | n/a              | n/a         | n/a                        | ON          | OFF                        | ON            | OFF                          | OFF     |
| Line Density                                | Low            | High             | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | Low         | High                       | Low           | High                         | Low     |
| Flow Mode                                   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Ref. Frequency (Color)                      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Focus (Color)                               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Flow% (Color)                               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Color Velocity Range                        | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Packet Size                                 | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Flow Area Depth                             | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Color Line Density                          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Pw Mode                                     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| High PRF                                    | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Ref. Frequency (D)                          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Focus (D)                                   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Doppler Velocity Range                      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Sample gate size                            | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Sample gate depth                           | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Triplex Frame Rate                          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Triplex VEL Range                           | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Flow Area Lock                              | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| z <sub>p</sub>                              | (mm)           | 37               | 26             | 37               | 33             | 35               | 35          | 35                         | 37          | 35                         | 37            | 23                           | 37      |
| z <sub>p,full</sub>                         | (mm)           | 2.1              | 2.9            | 2.1              | 2.5            | 2.3              | 2.3         | 2.3                        | 2.1         | 2.3                        | 2.1           | 2.7                          | 2.1     |
| z <sub>max</sub>                            | (mm)           | 2.8              | 4.4            | 2.8              | 3.3            | 2.9              | 3.0         | 2.9                        | 2.8         | 2.9                        | 2.8           | 4.7                          | 2.8     |
| prr (PRF)                                   | (Hz)           | n/a              | n/a            | 1004             | 2003           | 501              | 801         | 1335                       | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| prr (SRF)                                   | (Hz)           | 38               | 88             | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | 16                           | 1.8     |
| n <sub>pr</sub>                             |                | 1.0              | 1.0            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| n <sub>pr</sub>                             |                | 59               | 46             | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Output beam dimensions                      | (mm)           | 10               | 5.4            | 10               | 10             | 9.4              | 9.4         | 9.4                        | 10          | 9.4                        | 10            | 6.7                          | 10      |
| f <sub>0</sub>                              | (MHz)          | 7.3              | 7.3            | 7.3              | 7.3            | 7.3              | 7.3         | 7.3                        | 7.3         | 7.3                        | 7.3           | 7.3                          | 7.3     |
| Acoustic Power-up fraction                  | (%)            | 3.8              | 3.4            | 3.8              | 3.0            | 3.1              | 3.1         | 3.1                        | 3.8         | 3.1                        | 3.8           | 3.1                          | 3.1     |
| Power-up mode                               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Acoustic Initialization fraction            | (%)            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Initialization mode                         | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a         | n/a                        | n/a         | n/a                        | n/a           | n/a                          | n/a     |
| Acoustic output freeze                      | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes         | Yes                        | Yes         | Yes                        | Yes           | Yes                          | Yes     |
| z <sub>0</sub>                              | (mm)           | 0.96             | 0.96           | 0.96             | 0.96           | 0.96             | 0.96        | 0.96                       | 0.96        | 0.96                       | 0.96          | 0.96                         | 0.96    |
| z <sub>0</sub>                              | (mm)           | contact          | contact        | contact          | contact        | contact          | contact     | contact                    | contact     | contact                    | contact       | contact                      | contact |
| Inclusive modes                             |                |                  |                | (B+M)            | (B+M)          | contact          | contact     | contact                    | contact     | contact                    | contact       | contact                      | contact |

|              |          |
|--------------|----------|
| Manufacturer | CONVECTA |
| Model        | C22K     |
| Serial       | 26000    |
| Lot          | 26000    |
| Rev          | 1.0      |

Table 201.103 – Acoustic output reporting table

| Index label                       | M/I                  | TIS  |          | TIB     | TIC    |
|-----------------------------------|----------------------|------|----------|---------|--------|
|                                   |                      | Scan | Non-scan |         |        |
| Maximum Index Value               | 1.4                  | 0.59 | -        | 0.89    | 1.1    |
| $P_{r,a}$                         | 2.0                  | -    | -        | -       | -      |
| $P$                               | (mW)                 | -    | -        | -       | -      |
| Min of $[P_a(f_a), I_{a,a}(f_a)]$ | (mW)                 | 33   | -        | 17      | 40     |
| $I_a$                             | (cm)                 | -    | -        | -       | -      |
| $I_{a,a}$                         | (cm)                 | -    | -        | -       | -      |
| $I_{a,a}$                         | (cm)                 | -    | -        | 1.8     | -      |
| $I_a$ at max $I_{a,a}$            | (cm)                 | -    | -        | -       | -      |
| $I_{a,a}(f_a)$                    | (cm)                 | -    | -        | 0.32    | -      |
| $I_{a,a}$                         | (MHz)                | 3.8  | -        | 2.2     | 3.4    |
| Dim of $A_{ref}$                  | (cm)                 | 1.1  | -        | 0.74    | 1.1    |
| $I_a$                             | (cm)                 | 0.73 | -        | 0.73    | 0.73   |
| $I_a$                             | (μsec)               | 0.95 | -        | -       | -      |
| $I_{a,a}$                         | (Hz)                 | 2004 | -        | -       | -      |
| $P_r$ at max $I_{a,a}$            | (MPa)                | 2.3  | -        | -       | -      |
| $I_{a,a}$ at max $I_{a,a}$        | (cm)                 | -    | -        | 0.31    | -      |
| $I_{a,a}$ at max M/I              | (W/cm <sup>2</sup> ) | 166  | -        | -       | -      |
| Focus Length                      | (cm)                 | 0.70 | -        | -       | 0.50   |
| $I_{a,a}$                         | (cm)                 | 3.8  | -        | -       | 3.8    |
| PWR%                              | (%)                  | 100  | -        | 100     | 100    |
| Tx Mode                           | B/M                  | B/M  | -        | B/M     | B/M    |
| Wave Mode                         | THRP(L)              | FND  | -        | THRP(L) | FND    |
| Frequency (B)                     | Preset               | Std  | -        | Preset  | Preset |
| Focus (B)                         | F3                   | F1   | -        | F3      | F1     |
| Scan's (B)                        | 100                  | 25   | -        | 100     | 25     |
| Range                             | (%)                  | 30.0 | 4.5      | -       | 30.0   |
| PRF Limit                         | ON                   | OFF  | -        | ON      | OFF    |
| Line Density                      | Low                  | Low  | -        | Low     | Low    |
| Flow Mode                         | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Ref. Frequency (Color)            | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Focus (Color)                     | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Flow's (Color)                    | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Color Velocity Range              | (cm/s)               | n/a  | n/a      | n/a     | n/a    |
| Packet Size                       | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Flow Area Depth                   | (cm)                 | n/a  | n/a      | n/a     | n/a    |
| Color Line Density                | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Pw Mode                           | n/a                  | n/a  | n/a      | n/a     | n/a    |
| High PRF                          | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Ref. Frequency (D)                | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Focus (D)                         | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Display Velocity Range            | (cm/s)               | n/a  | n/a      | n/a     | n/a    |
| Sample gate size                  | (cm)                 | n/a  | n/a      | n/a     | n/a    |
| Sample gate depth                 | (cm)                 | n/a  | n/a      | n/a     | n/a    |
| Triplets Frame Rate               | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Triplets VSL Range                | n/a                  | n/a  | n/a      | n/a     | n/a    |
| Flow Area Lock                    | n/a                  | n/a  | n/a      | n/a     | n/a    |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3: If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4: If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5: Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $I_a$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                       | M/I                  | TIS  |          | TIB | TIC    |
|-----------------------------------|----------------------|------|----------|-----|--------|
|                                   |                      | Scan | Non-scan |     |        |
| Maximum Index Value               | 1.4                  | 0.65 | -        | -   | 1.1    |
| $P_{r,a}$                         | 2.0                  | -    | -        | -   | -      |
| $P$                               | (mW)                 | -    | -        | -   | -      |
| Min of $[P_a(f_a), I_{a,a}(f_a)]$ | (mW)                 | 37   | -        | -   | 76     |
| $I_a$                             | (cm)                 | -    | -        | -   | -      |
| $I_{a,a}$                         | (cm)                 | -    | -        | -   | -      |
| $I_a$ at max $I_{a,a}$            | (cm)                 | -    | -        | -   | -      |
| $I_{a,a}(f_a)$                    | (cm)                 | -    | -        | -   | -      |
| $I_{a,a}$                         | (MHz)                | 2.2  | -        | -   | 3.4    |
| Dim of $A_{ref}$                  | (cm)                 | 1.1  | -        | -   | 3.0    |
| $I_a$                             | (cm)                 | 0.73 | -        | -   | 0.73   |
| $I_a$                             | (μsec)               | 0.88 | -        | -   | -      |
| $I_{a,a}$                         | (Hz)                 | 2252 | -        | -   | -      |
| $P_r$ at max $I_{a,a}$            | (MPa)                | 2.5  | -        | -   | -      |
| $I_{a,a}$ at max $I_{a,a}$        | (cm)                 | -    | -        | -   | -      |
| $I_{a,a}$ at max M/I              | (W/cm <sup>2</sup> ) | 208  | -        | -   | -      |
| Focus Length                      | (cm)                 | 0.70 | -        | -   | 13     |
| $I_{a,a}$                         | (cm)                 | 3.8  | -        | -   | 3.8    |
| PWR%                              | (%)                  | 100  | 100      | -   | 100    |
| Tx Mode                           | B                    | B    | -        | -   | B      |
| Wave Mode                         | THRP(L)              | FND  | -        | -   | FND    |
| Frequency (B)                     | Preset               | Std  | -        | -   | Preset |
| Focus (B)                         | F4                   | F1   | -        | -   | F8     |
| Scan's (B)                        | 100                  | 25   | -        | -   | 100    |
| Range                             | (%)                  | 30.0 | 9.0      | -   | 30.0   |
| PRF Limit                         | ON                   | OFF  | -        | -   | ON     |
| Line Density                      | Low                  | High | -        | -   | Low    |
| Flow Mode                         | n/a                  | n/a  | n/a      | n/a | n/a    |
| Ref. Frequency (Color)            | n/a                  | n/a  | n/a      | n/a | n/a    |
| Focus (Color)                     | n/a                  | n/a  | n/a      | n/a | n/a    |
| Flow's (Color)                    | n/a                  | n/a  | n/a      | n/a | n/a    |
| Color Velocity Range              | (cm/s)               | n/a  | n/a      | n/a | n/a    |
| Packet Size                       | n/a                  | n/a  | n/a      | n/a | n/a    |
| Flow Area Depth                   | (cm)                 | n/a  | n/a      | n/a | n/a    |
| Color Line Density                | n/a                  | n/a  | n/a      | n/a | n/a    |
| Pw Mode                           | n/a                  | n/a  | n/a      | n/a | n/a    |
| High PRF                          | n/a                  | n/a  | n/a      | n/a | n/a    |
| Ref. Frequency (D)                | n/a                  | n/a  | n/a      | n/a | n/a    |
| Focus (D)                         | n/a                  | n/a  | n/a      | n/a | n/a    |
| Display Velocity Range            | (cm/s)               | n/a  | n/a      | n/a | n/a    |
| Sample gate size                  | (cm)                 | n/a  | n/a      | n/a | n/a    |
| Sample gate depth                 | (cm)                 | n/a  | n/a      | n/a | n/a    |
| Triplets Frame Rate               | n/a                  | n/a  | n/a      | n/a | n/a    |
| Triplets VSL Range                | n/a                  | n/a  | n/a      | n/a | n/a    |
| Flow Area Lock                    | n/a                  | n/a  | n/a      | n/a | n/a    |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3: If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

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NOTE 5: Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $I_a$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                                        | MT   | TIS  |          | TTB   | TTC    |
|----------------------------------------------------|------|------|----------|-------|--------|
|                                                    |      | Scan | Non-scan |       |        |
| Maximum Index Value                                | 1.2  | -    | 0.46     | 1.6   | 1.8    |
| $P_{r,s}$ (MPa)                                    | 2.2  | -    | -        | -     | -      |
| $P_r$ (mW)                                         | -    | -    | 31       | 31    | 31     |
| Min of $[P_r(x), I_{\text{noise}}(x)]$ (mW)        | -    | -    | -        | -     | -      |
| $x_s$ (cm)                                         | -    | -    | -        | -     | -      |
| $x_{\text{ave}}$ (cm)                              | -    | -    | -        | -     | -      |
| $x$ at max. $I_{\text{ave}}$ (cm)                  | 3.0  | -    | -        | 2.0   | -      |
| $d_{\text{max}}(x)$ (cm)                           | -    | -    | -        | -     | -      |
| $f_{\text{ad}}$ (MHz)                              | 3.1  | -    | 3.1      | 0.30  | 2.6    |
| Dim of $I_{\text{sent}}$ (cm)                      | -    | -    | 1.3      | 0.67  | 0.20   |
| $I_{\text{a}}$ (uasec)                             | 1.2  | -    | 0.73     | 0.73  | 0.73   |
| $p_r$ at max. $I_{\text{a}}$ (Hz)                  | 501  | -    | -        | -     | -      |
| $d_{\text{a}}$ at max. $I_{\text{a}}$ (cm)         | 2.8  | -    | -        | -     | -      |
| $I_{\text{ave}}$ at max. $MT$ (W/cm <sup>2</sup> ) | 380  | -    | 4.8      | 0.30  | 0.50   |
| $T_{\text{Tx}}$ (cm)                               | -    | -    | -        | -     | -      |
| $F_{\text{Fly}}$ (cm)                              | -    | -    | 3.4      | 3.0   | 3.0    |
| PM/PM (%)                                          | 100  | -    | 100      | 100   | 100    |
| Tx Mode                                            | Pw   | -    | Pw       | Pw    | Pw     |
| Wave Mode                                          | n/a  | n/a  | n/a      | n/a   | n/a    |
| Frequency (B)                                      | n/a  | n/a  | n/a      | n/a   | n/a    |
| Focus (B)                                          | n/a  | n/a  | n/a      | n/a   | n/a    |
| Search (B)                                         | n/a  | n/a  | n/a      | n/a   | n/a    |
| Range (cm)                                         | n/a  | n/a  | n/a      | n/a   | n/a    |
| PRF Limit                                          | n/a  | n/a  | n/a      | n/a   | n/a    |
| Line Density                                       | n/a  | n/a  | n/a      | n/a   | n/a    |
| Flow Mode                                          | n/a  | n/a  | n/a      | n/a   | n/a    |
| Ref. Frequency (Color)                             | n/a  | n/a  | n/a      | n/a   | n/a    |
| Focus (Color)                                      | n/a  | n/a  | n/a      | n/a   | n/a    |
| Flow's (Color)                                     | n/a  | n/a  | n/a      | n/a   | n/a    |
| Color Velocity Range (cm/s)                        | n/a  | n/a  | n/a      | n/a   | n/a    |
| Packet Size                                        | n/a  | n/a  | n/a      | n/a   | n/a    |
| Flow Area Depth                                    | n/a  | n/a  | n/a      | n/a   | n/a    |
| Color Line Density                                 | n/a  | n/a  | n/a      | n/a   | n/a    |
| Pw Mode                                            | PW   | -    | PW       | PW    | PW     |
| High PRF                                           | OFF  | -    | OFF      | OFF   | OFF    |
| Ref. Frequency (D)                                 | Keno | -    | Keno     | Std   | Std    |
| Focus (D)                                          | F4   | -    | F5       | F3    | F1     |
| Doppler Velocity Range (cm/s)                      | 6.23 | -    | 69.29    | 53.13 | 177.08 |
| Sample gate size (cm)                              | 0.1  | -    | 0.1      | -     | 0.1    |
| Sample gate depth (cm)                             | 3.0  | -    | 4.2      | 2.0   | 0.0    |
| Triplets Frame Rate                                | n/a  | n/a  | n/a      | n/a   | n/a    |
| Triplets VEL Range                                 | n/a  | n/a  | n/a      | n/a   | n/a    |
| Flow Area Lock                                     | n/a  | n/a  | n/a      | n/a   | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 1: Data are only as entered in one of the columns relating to  
NOTE 2: Information need not be provided regarding TIC for any reasons as such, not intended for transpositional or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.3a are met, it is not required to enter any data in the columns related to T15, T18 or T1C.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to M<sub>L</sub>.

NOTE 5: Focal Length is a NOMINAL value

|       |        |
|-------|--------|
| $P$   | 25.00% |
| $I_p$ | 37.14% |
| $n$   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    | MT                                        | TIS    |                                                                                       | TIB    | TTC    |
|--------------------------------|-------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|--------|
|                                |                                           | Scan   | Non-scan<br>$A_{\text{avg}} \leq 1 \text{ cm}^3 I_{\text{avg}} \times 1 \text{ cm}^3$ |        |        |
| Associated acoustic parameters | Maximum Index Value                       | 1.3    | -                                                                                     | 1.2    | 0.82   |
|                                | $P_r, \sigma$                             | 2.2    | -                                                                                     | -      | -      |
|                                | $P$                                       | -      | 33                                                                                    | 29     | 23     |
|                                | Min of $[P_a(t_s), I_{\text{avg}}(t_s)]$  | -      | -                                                                                     | -      | -      |
|                                | $I_a$                                     | -      | -                                                                                     | -      | -      |
|                                | $I_{\text{avg}}$                          | -      | -                                                                                     | -      | -      |
|                                | $I_a$ at max. $I_{\text{avg}}$            | 3.0    | -                                                                                     | 2.7    | -      |
|                                | $I_{\text{avg}}$ at max. $I_a$            | -      | -                                                                                     | -      | -      |
|                                | $I_{\text{avg}}$                          | 3.0    | -                                                                                     | 3.0    | 2.2    |
|                                | Div of $I_{\text{avg}}$                   | -      | -                                                                                     | -      | -      |
| Other Information              | $I_a$                                     | 0.45   | -                                                                                     | -      | -      |
|                                | $I_{\text{avg}}$                          | 2003   | -                                                                                     | -      | -      |
|                                | $P_r$ at max. $I_a$                       | 2.8    | -                                                                                     | -      | -      |
|                                | $I_a$ at max. $I_{\text{avg}}$            | -      | -                                                                                     | -      | -      |
|                                | $I_{\text{avg}}$ at max. $I_a$            | 273    | -                                                                                     | -      | -      |
|                                | $I_{\text{avg}}$ at max. $I_{\text{avg}}$ | -      | 4.8                                                                                   | -      | 0.90   |
|                                | $I_{\text{avg}}$ at max. $I_{\text{avg}}$ | -      | 3.4                                                                                   | -      | 3.0    |
|                                | $I_{\text{avg}}$ at max. $I_{\text{avg}}$ | -      | -                                                                                     | -      | 100    |
|                                | $I_{\text{avg}}$ at max. $I_{\text{avg}}$ | 100    | -                                                                                     | -      | 100    |
|                                | $I_{\text{avg}}$ at max. $I_{\text{avg}}$ | M      | -                                                                                     | M      | M      |
| Operating control conditions   | Tx Mode                                   | THRP-L | -                                                                                     | THRP-L | THRP-L |
|                                | Wave Mode                                 | Reno   | -                                                                                     | Reno   | Procot |
|                                | Frequency (B)                             | F4     | -                                                                                     | F4     | F2     |
|                                | Focus (B)                                 | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Scan's (B)                                | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Range                                     | 30.0   | -                                                                                     | 30.0   | 30.0   |
|                                | PRF Limit                                 | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Line Density                              | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Flow Mode                                 | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Ref. Frequency (Color)                    | n/a    | n/a                                                                                   | n/a    | n/a    |
| Flow Area Depth                | Focus (Color)                             | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Flow's (Color)                            | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Color Velocity Range                      | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Packet Size                               | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Flow Area Depth                           | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Color Line Density                        | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Pre Mode                                  | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | High PRF                                  | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Ref. Frequency (D)                        | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Focus (D)                                 | n/a    | n/a                                                                                   | n/a    | n/a    |
| Sample gate size               | Doppler Velocity Range                    | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Sample gate size                          | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Sample gate depth                         | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Triplex Frame Rate                        | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Triplex VEL Range                         | n/a    | n/a                                                                                   | n/a    | n/a    |
|                                | Flow Area Lock                            | n/a    | n/a                                                                                   | n/a    | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 1: Data should only be entered at one of the courses listed in the

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.3a are met, it is not required to enter any data in the columns related to TSS, TSS or TIG.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $p$                         | 25.00% |
| $I_H$                       | 37.14% |
| $\alpha$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| 77               | 40% or 0.4, whichever larger |





Table 201.103 - Acoustic output reporting table

| Index label                           | MT  | Scan | TTS  | TTB | TTC |
|---------------------------------------|-----|------|------|-----|-----|
| Maximum Index Value                   | 1.4 | -    | 0.43 | 1.5 | 1.7 |
| $P_{r,e}$                             | 2.0 | -    | -    | -   | -   |
| $P_r$                                 | -   | -    | 29   | 28  | 31  |
| Min of $[P_{r,e}(f_a), I_{r,e}(f_a)]$ | -   | -    | -    | -   | -   |
| Associated acoustic parameters        | -   | -    | -    | -   | -   |
| $f_a$                                 | -   | -    | -    | -   | -   |
| $f_b$                                 | -   | -    | -    | -   | -   |
| $f_c$                                 | -   | -    | -    | -   | -   |
| $f_d$                                 | -   | -    | -    | -   | -   |
| $f_e$                                 | -   | -    | -    | -   | -   |
| $f_f$                                 | -   | -    | -    | -   | -   |
| $f_g$                                 | -   | -    | -    | -   | -   |
| $f_h$                                 | -   | -    | -    | -   | -   |
| $f_i$                                 | -   | -    | -    | -   | -   |
| $f_j$                                 | -   | -    | -    | -   | -   |
| $f_k$                                 | -   | -    | -    | -   | -   |
| $f_l$                                 | -   | -    | -    | -   | -   |
| $f_m$                                 | -   | -    | -    | -   | -   |
| $f_n$                                 | -   | -    | -    | -   | -   |
| $f_o$                                 | -   | -    | -    | -   | -   |
| $f_p$                                 | -   | -    | -    | -   | -   |
| $f_q$                                 | -   | -    | -    | -   | -   |
| $f_r$                                 | -   | -    | -    | -   | -   |
| $f_s$                                 | -   | -    | -    | -   | -   |
| $f_t$                                 | -   | -    | -    | -   | -   |
| $f_u$                                 | -   | -    | -    | -   | -   |
| $f_v$                                 | -   | -    | -    | -   | -   |
| $f_w$                                 | -   | -    | -    | -   | -   |
| $f_x$                                 | -   | -    | -    | -   | -   |
| $f_y$                                 | -   | -    | -    | -   | -   |
| $f_z$                                 | -   | -    | -    | -   | -   |
| $f_{aa}$                              | -   | -    | -    | -   | -   |
| $f_{ab}$                              | -   | -    | -    | -   | -   |
| $f_{ac}$                              | -   | -    | -    | -   | -   |
| $f_{ad}$                              | -   | -    | -    | -   | -   |
| $f_{ae}$                              | -   | -    | -    | -   | -   |
| $f_{af}$                              | -   | -    | -    | -   | -   |
| $f_{ag}$                              | -   | -    | -    | -   | -   |
| $f_{ah}$                              | -   | -    | -    | -   | -   |
| $f_{ai}$                              | -   | -    | -    | -   | -   |
| $f_{aj}$                              | -   | -    | -    | -   | -   |
| $f_{ak}$                              | -   | -    | -    | -   | -   |
| $f_{al}$                              | -   | -    | -    | -   | -   |
| $f_{am}$                              | -   | -    | -    | -   | -   |
| $f_{an}$                              | -   | -    | -    | -   | -   |
| $f_{ao}$                              | -   | -    | -    | -   | -   |
| $f_{ap}$                              | -   | -    | -    | -   | -   |
| $f_{aq}$                              | -   | -    | -    | -   | -   |
| $f_{ar}$                              | -   | -    | -    | -   | -   |
| $f_{as}$                              | -   | -    | -    | -   | -   |
| $f_{at}$                              | -   | -    | -    | -   | -   |
| $f_{au}$                              | -   | -    | -    | -   | -   |
| $f_{av}$                              | -   | -    | -    | -   | -   |
| $f_{aw}$                              | -   | -    | -    | -   | -   |
| $f_{ax}$                              | -   | -    | -    | -   | -   |
| $f_{ay}$                              | -   | -    | -    | -   | -   |
| $f_{az}$                              | -   | -    | -    | -   | -   |
| $f_{a1}$                              | -   | -    | -    | -   | -   |
| $f_{a2}$                              | -   | -    | -    | -   | -   |
| $f_{a3}$                              | -   | -    | -    | -   | -   |
| $f_{a4}$                              | -   | -    | -    | -   | -   |
| $f_{a5}$                              | -   | -    | -    | -   | -   |
| $f_{a6}$                              | -   | -    | -    | -   | -   |
| $f_{a7}$                              | -   | -    | -    | -   | -   |
| $f_{a8}$                              | -   | -    | -    | -   | -   |
| $f_{a9}$                              | -   | -    | -    | -   | -   |
| $f_{a0}$                              | -   | -    | -    | -   | -   |
| $f_{a10}$                             | -   | -    | -    | -   | -   |
| $f_{a11}$                             | -   | -    | -    | -   | -   |
| $f_{a12}$                             | -   | -    | -    | -   | -   |
| $f_{a13}$                             | -   | -    | -    | -   | -   |
| $f_{a14}$                             | -   | -    | -    | -   | -   |
| $f_{a15}$                             | -   | -    | -    | -   | -   |
| $f_{a16}$                             | -   | -    | -    | -   | -   |
| $f_{a17}$                             | -   | -    | -    | -   | -   |
| $f_{a18}$                             | -   | -    | -    | -   | -   |
| $f_{a19}$                             | -   | -    | -    | -   | -   |
| $f_{a20}$                             | -   | -    | -    | -   | -   |
| $f_{a21}$                             | -   | -    | -    | -   | -   |
| $f_{a22}$                             | -   | -    | -    | -   | -   |
| $f_{a23}$                             | -   | -    | -    | -   | -   |
| $f_{a24}$                             | -   | -    | -    | -   | -   |
| $f_{a25}$                             | -   | -    | -    | -   | -   |
| $f_{a26}$                             | -   | -    | -    | -   | -   |
| $f_{a27}$                             | -   | -    | -    | -   | -   |
| $f_{a28}$                             | -   | -    | -    | -   | -   |
| $f_{a29}$                             | -   | -    | -    | -   | -   |
| $f_{a30}$                             | -   | -    | -    | -   | -   |
| $f_{a31}$                             | -   | -    | -    | -   | -   |
| $f_{a32}$                             | -   | -    | -    | -   | -   |
| $f_{a33}$                             | -   | -    | -    | -   | -   |
| $f_{a34}$                             | -   | -    | -    | -   | -   |
| $f_{a35}$                             | -   | -    | -    | -   | -   |
| $f_{a36}$                             | -   | -    | -    | -   | -   |
| $f_{a37}$                             | -   | -    | -    | -   | -   |
| $f_{a38}$                             | -   | -    | -    | -   | -   |
| $f_{a39}$                             | -   | -    | -    | -   | -   |
| $f_{a40}$                             | -   | -    | -    | -   | -   |
| $f_{a41}$                             | -   | -    | -    | -   | -   |
| $f_{a42}$                             | -   | -    | -    | -   | -   |
| $f_{a43}$                             | -   | -    | -    | -   | -   |
| $f_{a44}$                             | -   | -    | -    | -   | -   |
| $f_{a45}$                             | -   | -    | -    | -   | -   |
| $f_{a46}$                             | -   | -    | -    | -   | -   |
| $f_{a47}$                             | -   | -    | -    | -   | -   |
| $f_{a48}$                             | -   | -    | -    | -   | -   |
| $f_{a49}$                             | -   | -    | -    | -   | -   |
| $f_{a50}$                             | -   | -    | -    | -   | -   |
| $f_{a51}$                             | -   | -    | -    | -   | -   |
| $f_{a52}$                             | -   | -    | -    | -   | -   |
| $f_{a53}$                             | -   | -    | -    | -   | -   |
| $f_{a54}$                             | -   | -    | -    | -   | -   |
| $f_{a55}$                             | -   | -    | -    | -   | -   |
| $f_{a56}$                             | -   | -    | -    | -   | -   |
| $f_{a57}$                             | -   | -    | -    | -   | -   |
| $f_{a58}$                             | -   | -    | -    | -   | -   |
| $f_{a59}$                             | -   | -    | -    | -   | -   |
| $f_{a60}$                             | -   | -    | -    | -   | -   |
| $f_{a61}$                             | -   | -    | -    | -   | -   |
| $f_{a62}$                             | -   | -    | -    | -   | -   |
| $f_{a63}$                             | -   | -    | -    | -   | -   |
| $f_{a64}$                             | -   | -    | -    | -   | -   |
| $f_{a65}$                             | -   | -    | -    | -   | -   |
| $f_{a66}$                             | -   | -    | -    | -   | -   |
| $f_{a67}$                             | -   | -    | -    | -   | -   |
| $f_{a68}$                             | -   | -    | -    | -   | -   |
| $f_{a69}$                             | -   | -    | -    | -   | -   |
| $f_{a70}$                             | -   | -    | -    | -   | -   |
| $f_{a71}$                             | -   | -    | -    | -   | -   |
| $f_{a72}$                             | -   | -    | -    | -   | -   |
| $f_{a73}$                             | -   | -    | -    | -   | -   |
| $f_{a74}$                             | -   | -    | -    | -   | -   |
| $f_{a75}$                             | -   | -    | -    | -   | -   |
| $f_{a76}$                             | -   | -    | -    | -   | -   |
| $f_{a77}$                             | -   | -    | -    | -   | -   |
| $f_{a78}$                             | -   | -    | -    | -   | -   |
| $f_{a79}$                             | -   | -    | -    | -   | -   |
| $f_{a80}$                             | -   | -    | -    | -   | -   |
| $f_{a81}$                             | -   | -    | -    | -   | -   |
| $f_{a82}$                             | -   | -    | -    | -   | -   |
| $f_{a83}$                             | -   | -    | -    | -   | -   |
| $f_{a84}$                             | -   | -    | -    | -   | -   |
| $f_{a85}$                             | -   | -    | -    | -   | -   |
| $f_{a86}$                             | -   | -    | -    | -   | -   |
| $f_{a87}$                             | -   | -    | -    | -   | -   |
| $f_{a88}$                             | -   | -    | -    | -   | -   |
| $f_{a89}$                             | -   | -    | -    | -   | -   |
| $f_{a90}$                             | -   | -    | -    | -   | -   |
| $f_{a91}$                             | -   | -    | -    | -   | -   |
| $f_{a92}$                             | -   | -    | -    | -   | -   |
| $f_{a93}$                             | -   | -    | -    | -   | -   |
| $f_{a94}$                             | -   | -    | -    | -   | -   |
| $f_{a95}$                             | -   | -    | -    | -   | -   |
| $f_{a96}$                             | -   | -    | -    | -   | -   |
| $f_{a97}$                             | -   | -    | -    | -   | -   |
| $f_{a98}$                             | -   | -    | -    | -   | -   |
| $f_{a99}$                             | -   | -    | -    | -   | -   |
| $f_{a100}$                            | -   | -    | -    | -   | -   |

NOTE 1: Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3: If the requirements of 201.12.4.2a are met, it is not required to enter any data in the column related to TTS, TB or TIC

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT

NOTE 5: Focal Length is a NOMINAL value

| Measurement uncertainty (%) | Display accuracy             |
|-----------------------------|------------------------------|
| $P_r$                       | 25.00%                       |
| $I_{r,e}$                   | 37.14%                       |
| $P_{r,e}$                   | 40% or 0.4, whichever larger |

| Measurement uncertainty (%) | Display accuracy             |
|-----------------------------|------------------------------|
| $P_r$                       | 25.00%                       |
| $I_{r,e}$                   | 37.14%                       |
| $P_{r,e}$                   | 40% or 0.4, whichever larger |

Table 201.103 - Acoustic output reporting table

| Index label                           | MT  | Scan | TTS | TTB | TTC |
|---------------------------------------|-----|------|-----|-----|-----|
| Maximum Index Value                   | 1.4 | 0.49 | -   | -   | 1.1 |
| $P_{r,e}$                             | 2.0 | -    | -   | -   | -   |
| $P_r$                                 | -   | -    | 36  | -   | -   |
| Min of $[P_{r,e}(f_a), I_{r,e}(f_a)]$ | -   | -    | -   | -   | -   |
| Associated acoustic parameters        | -   | -    | -   | -   | -   |
| $f_a$                                 | -   | -    | -   | -   | -   |
| $f_b$                                 | -   | -    | -   | -   | -   |
| $f_c$                                 | -   | -    | -   | -   | -   |
| $f_d$                                 | -   | -    | -   | -   | -   |
| $f_e$                                 | -   | -    | -   | -   | -   |
| $f_f$                                 | -   | -    | -   | -   | -   |
| $f_g$                                 | -   | -    | -   | -   | -   |
| $f_h$                                 | -   | -    | -   | -   | -   |
| $f_i$                                 | -   | -    | -   | -   | -   |
| $f_j$                                 | -   | -    | -   | -   | -   |
| $f_k$                                 | -   | -    | -   | -   | -   |
| $f_l$                                 | -   | -    | -   | -   | -   |
| $f_m$                                 | -   | -    | -   | -   | -   |
| $f_n$                                 | -   | -    | -   | -   | -   |
| $f_o$                                 | -   | -    | -   | -   | -   |
| $f_p$                                 | -   | -    | -   | -   | -   |
| $f_q$                                 | -   | -    | -   | -   | -   |
| $f_r$                                 | -   | -    | -   | -   | -   |
| $f_s$                                 | -   | -    | -   | -   | -   |
| $f_t$                                 | -   | -    | -   | -   | -   |
| $f_u$                                 | -   | -    | -   | -   | -   |
| $f_v$                                 | -   | -    | -   | -   | -   |
| $f_w$                                 | -   | -    | -   | -   | -   |
| $f_x$                                 | -   | -    | -   | -   | -   |
| $f_y$                                 | -   | -    | -   | -   | -   |
| $f_z$                                 | -   | -    | -   | -   | -   |
| $f_{aa}$                              | -   | -    | -   | -   | -   |
| $f_{ab}$                              | -   | -    | -   | -   | -   |
| $f_{ac}$                              | -   | -    | -   | -   | -   |
| $f_{ad}$                              | -   | -    | -   | -   | -   |
| $f_{ae}$                              | -   | -    | -   | -   | -   |
| $f_{af}$                              | -   | -    | -   | -   | -   |
| $f_{ag}$                              | -   | -    | -   | -   | -   |
| $f_{ah}$                              | -   | -    | -   | -   | -   |
| $f_{ai}$                              | -   | -    | -   | -   | -   |
| $f_{aj}$                              | -   | -    | -   | -   | -   |
| $f_{ak}$                              | -   | -    | -   | -   | -   |
| $f_{al}$                              | -   | -    | -   | -   | -   |
| $f_{am}$                              | -   | -    | -   | -   | -   |
| $f_{an}$                              | -   | -    | -   | -   | -   |
| $f_{ao}$                              | -   | -    | -   | -   | -   |
| $f_{ap}$                              | -   | -    | -   | -   | -   |
| $f_{aq}$                              | -   | -    | -   | -   | -   |
| $f_{ar}$                              | -   | -    | -   | -   | -   |
| $f_{as}$                              | -   | -    | -   | -   | -   |
| $f_{at}$                              | -   | -    | -   | -   | -   |
| $f_{au}$                              | -   | -    | -   | -   | -   |
| $f_{av}$                              | -   | -    | -   | -   | -   |
| $f_{aw}$                              | -   | -    | -   | -   | -   |
| $f_{ax}$                              | -   | -    | -   | -   | -   |
| $f_{ay}$                              | -   | -    | -   | -   | -   |
| $f_{az}$                              | -   | -    | -   | -   | -   |
| $f_{a1}$                              | -   | -    | -   | -   | -   |
| $f_{a2}$                              | -   | -    | -   | -   | -   |
| $f_{a3}$                              | -   | -    | -   | -   | -   |
| $f_{a4}$                              | -   | -    | -   | -   | -   |
| $f_{a5}$                              | -   | -    | -   | -   | -   |
| $f_{a6}$                              | -   | -    | -   | -   | -   |
| $f_{a7}$                              | -   | -    | -   | -   | -   |
| $f_{a8}$                              | -   | -    | -   | -   | -   |
| $f_{a9}$                              | -   | -    | -   | -   | -   |
| $f_{a10}$                             | -   | -    | -   | -   | -   |
| $f_{a11}$                             | -   | -    | -   | -   | -   |
| $f_{a12}$                             | -   | -    | -   | -   | -   |
| $f_{a13}$                             | -   | -    | -   | -   | -   |
| $f_{a14}$                             | -   | -    | -   | -   | -   |
| $f_{a15}$                             | -   | -    | -   | -   | -   |
| $f_{a16}$                             | -   | -    | -   | -   | -   |
| $f_{a17}$                             | -   | -    | -   | -   | -   |
| $f_{a18}$                             | -   | -    | -   | -   | -   |
| $f_{a19}$                             | -   | -    | -   | -   | -   |
| $f_{a20}$                             | -   | -    | -   | -   | -   |
| $f_{a21}$                             | -   | -    | -   | -   | -   |
| $f_{a22}$                             | -   | -    | -   | -   | -   |
| $f_{a23}$                             | -   | -    | -   | -   | -   |
| $f_{a24}$                             | -   | -    | -   | -   | -   |
| $f_{a25}$                             | -   | -    | -   | -   | -   |
| $f_{a26}$                             | -   | -    | -   | -   | -   |
| $f_{a27}$                             | -   | -    | -   | -   | -   |
| $f_{a28}$                             | -   | -    | -   | -   | -   |
| $f_{a29}$                             | -   | -    | -   | -   | -   |
| $f_{a30}$                             | -   | -    | -   | -   | -   |
| $f_{a31}$                             | -   | -    | -   | -   | -   |
| $f_{a32}$                             | -   | -    | -   | -   | -   |
| $f_{a33}$                             | -   | -    | -   | -   | -   |
| $f_{a34}$                             | -   | -    | -   | -   | -   |
| $f_{a35}$                             | -   | -    | -   | -   | -   |
| $f_{a36}$                             | -   | -    | -   | -   | -   |
| $f_{a37}$                             | -   | -    | -   | -   | -   |
| $f_{a38}$                             | -   | -    | -   | -   | -   |
| $f_{a39}$                             | -   | -    | -   | -   | -   |
| $f_{a40}$                             | -   | -    | -   | -   | -   |
| $f_{a41}$                             | -   | -    | -   | -   | -   |
| $f_{a42}$                             | -   | -    | -   | -   | -   |
| $f_{a43}$                             | -   | -    | -   | -   | -   |
| $f_{a44}$                             | -   | -    | -   | -   | -   |
| $f_{a45}$                             | -   | -    | -   | -   | -   |



## C42K Convex

**C42K** Acoustic power is controllable by the user.

**C42K** Acoustic power is controllable by the user.

[illegible][illegible]



Table 201.103 – Acoustic output reporting table

| Index label                  |                                                 | M/I                  | Scan | TIS                                          | TIB                                          | TIC  |
|------------------------------|-------------------------------------------------|----------------------|------|----------------------------------------------|----------------------------------------------|------|
|                              |                                                 |                      |      | Non-scan<br>$A_{ave} \leq 1 \text{ cm}^{-1}$ | Non-scan<br>$A_{ave} \leq 1 \text{ cm}^{-1}$ |      |
| Maximum Index Value          | $P_{\text{ave}}$                                | (MPa)                | 0.74 | 0.29                                         | -                                            | 0.32 |
|                              | $P_{\text{ave}}$                                | (mW)                 | 1.8  |                                              |                                              |      |
|                              | Min of $[P_{\text{ave}}(t), I_{\text{ave}}(t)]$ | (mW)                 |      | 8.3                                          | -                                            | 10   |
|                              | $I_{\text{ave}}$                                | (cm)                 |      |                                              | -                                            |      |
|                              | $I_{\text{ave}}$                                | (cm)                 |      |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 | 2.7  |                                              | -                                            | 0.81 |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      |                                              | -                                            | 0.20 |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      |                                              | -                                            | 7.4  |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      |                                              | -                                            | 0.36 |
| Other                        | Dim of $A_{\text{ave}}$                         | (cm)                 |      | 0.55                                         | -                                            | 0.55 |
|                              | $I_{\text{ave}}$                                | (cm)                 |      |                                              | -                                            |      |
|                              | $I_{\text{ave}}$                                | (cm)                 |      |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 | 0.23 |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (Hz)                 | 2978 |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 | 3.0  |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      |                                              | -                                            | 0.17 |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (W/cm <sup>2</sup> ) | 172  |                                              | -                                            |      |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      | 1.0                                          | -                                            | 0.80 |
|                              | $I_{\text{ave}}$ at max. $I_{\text{ave}}$       | (cm)                 |      | 2.6                                          | -                                            | 2.4  |
| Information                  | Focal Length                                    | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
|                              | FLY                                             | (cm)                 |      |                                              | -                                            |      |
| Operating control conditions | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Wave Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
| Flow Mode                    | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            | 100  |
|                              | Flow Mode                                       | (cm)                 |      | 100                                          | -                                            |      |
|                              | Flow Mode                                       |                      |      |                                              |                                              |      |

NOTE 1 Data should only be entered in one of the columns related to TIS.  
NOTE 2 Information need not be provided regarding TIS for any treatment arm(s) not intended for treatment or treatment of residual oesophago cases.  
NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.  
NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to M.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $D$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                                                    | M/I      | TZS  |          | TJB | TTC      |
|----------------------------------------------------------------|----------|------|----------|-----|----------|
|                                                                |          | Scan | Non-scan |     |          |
| Maximum Index Value                                            | 0.74     | 0.31 | -        | -   | 0.31     |
| $P_{c,s}$ (MPa)                                                | 1.8      | -    | -        | -   | -        |
| $P_{c,w}$ (mW)                                                 | -        | 8.9  | -        | -   | 11       |
| Min of $[P_{c,s}(z), I_{\text{max}}(z)]$ (mW)                  | -        | -    | -        | -   | -        |
| $I_{\text{max}}$ (cm)                                          | -        | -    | -        | -   | -        |
| $I_{\text{avg}}$ (cm)                                          | -        | -    | -        | -   | -        |
| $I_{\text{max}}$ at max. $I_{\text{avg}}$ (cm)                 | 2.7      | -    | -        | -   | -        |
| $I_{\text{avg}}$ at max. $I_{\text{avg}}$ (cm)                 | -        | -    | -        | -   | -        |
| $I_{\text{avg}}$ (MHz)                                         | 5.7      | 7.4  | -        | -   | 5.5      |
| Dim of $A_{\text{avg}}$ (cm)                                   | -        | 1.0  | -        | -   | 1.0      |
| $I_{\text{avg}}$ (jusec)                                       | 0.23     | 0.55 | -        | -   | 0.55     |
| $I_{\text{avg}}$ (Hz)                                          | 3157     | -    | -        | -   | -        |
| $I_{\text{avg}}$ at max. $I_{\text{avg}}$ (MPa)                | 3.0      | -    | -        | -   | -        |
| $I_{\text{avg}}$ at max. $I_{\text{avg}}$ (cm)                 | -        | -    | -        | -   | -        |
| $I_{\text{avg}}$ at max. $I_{\text{avg}}$ (W/cm <sup>2</sup> ) | 172      | -    | -        | -   | -        |
| Focal Length (cm)                                              | -        | 1.0  | -        | -   | 0.80     |
| FLX (cm)                                                       | -        | 2.6  | -        | -   | 2.4      |
| FLY (cm)                                                       | -        | -    | -        | -   | -        |
| FWHM (%)                                                       | 100      | 100  | -        | -   | 100      |
| TX Mode                                                        | B        | B    | -        | -   | B        |
| Wave Mode                                                      | THP(P-1) | PND  | -        | -   | THP(P-1) |
| Frequency (B)                                                  | Penet    | Sid  | -        | -   | Penet    |
| Focus (B)                                                      | F4       | F2   | -        | -   | F2       |
| Search (B)                                                     | 100      | 25   | -        | -   | 25       |
| Range (cm)                                                     | 21.0     | 2.0  | -        | -   | 2.0      |
| PRF Limit                                                      | ON       | OFF  | -        | -   | OFF      |
| Line Density                                                   | Low      | High | -        | -   | High     |
| Flow Mode                                                      | n/a      | n/a  | n/a      | n/a | n/a      |
| Ref. Frequency (Color)                                         | n/a      | n/a  | n/a      | n/a | n/a      |
| Focus (Color)                                                  | n/a      | n/a  | n/a      | n/a | n/a      |
| Flow% (Color)                                                  | n/a      | n/a  | n/a      | n/a | n/a      |
| Color Velocity Range (cm/s)                                    | n/a      | n/a  | n/a      | n/a | n/a      |
| Tracker Size                                                   | n/a      | n/a  | n/a      | n/a | n/a      |
| Flow Area Depth                                                | n/a      | n/a  | n/a      | n/a | n/a      |
| Color Line Density                                             | n/a      | n/a  | n/a      | n/a | n/a      |
| Pw Mode                                                        | n/a      | n/a  | n/a      | n/a | n/a      |
| High PRF                                                       | n/a      | n/a  | n/a      | n/a | n/a      |
| Ref. Frequency (D)                                             | n/a      | n/a  | n/a      | n/a | n/a      |
| Focus (D)                                                      | n/a      | n/a  | n/a      | n/a | n/a      |
| Doppler Velocity Range (cm/s)                                  | n/a      | n/a  | n/a      | n/a | n/a      |
| Sample gate size (cm)                                          | n/a      | n/a  | n/a      | n/a | n/a      |
| Sample gate depth (cm)                                         | n/a      | n/a  | n/a      | n/a | n/a      |
| Triplets Frame Rate                                            | n/a      | n/a  | n/a      | n/a | n/a      |
| Triplets VEL Range                                             | n/a      | n/a  | n/a      | n/a | n/a      |
| Flow Area Lock                                                 | n/a      | n/a  | n/a      | n/a | n/a      |

NOTE 1. Data should only be entered in use of the columns related to TS.

NOTE 2. Information need not be provided regarding TTC for any "non-scan" column; not intended for "non-scan" or "non-scan" related use.

NOTE 3. If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TJS, TJB or TTD.

NOTE 4. If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to ME.

[illegible]

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pl}}$             | 37.14% |
| $\alpha$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M7               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                             | MT      | TIS   |                                                     | TIB                                              | TTC     |
|--------------------------------|-------------------------------------------------------------|---------|-------|-----------------------------------------------------|--------------------------------------------------|---------|
| Maximum Index Value            |                                                             |         | Scan  | Non-scan<br>$A_{\text{max}} \leq 1 \text{ cm}^{-1}$ | Non-scan<br>$A_{\text{max}} > 1 \text{ cm}^{-1}$ |         |
| Associated acoustic parameters | $P_{\text{r},\text{a}}$ (MPa)                               | 0.74    | -     | -                                                   | 0.24                                             | 0.18    |
|                                | $P$ (mW)                                                    | 1.8     | -     | -                                                   | -                                                | -       |
|                                | Min of $[P_{\text{r},\text{a}}, I_{\text{max}}(x, z)]$ (mW) |         | -     | 6.4                                                 | 3.4                                              | 6.4     |
|                                | $I_{\text{a}}$ (cm)                                         |         | -     | -                                                   | -                                                | -       |
|                                | $I_{\text{a},\text{m}}$ (cm)                                |         | -     | -                                                   | -                                                | -       |
|                                | $I_{\text{a}}$ (cm)                                         |         | -     | -                                                   | 1.7                                              | -       |
|                                | $I_{\text{a}}$ at max. $I_{\text{a},\text{m}}$ (cm)         | 2.7     | -     | -                                                   | -                                                | -       |
|                                | $I_{\text{a}}$ at $I_{\text{a},\text{m}}$ (cm)              |         | -     | -                                                   | -                                                | -       |
|                                | $f_{\text{a}}$ (MHz)                                        | 5.7     | -     | 5.7                                                 | -                                                | 5.7     |
|                                | Dim of $I_{\text{a}}$ (cm)                                  |         | -     | 1.1                                                 | -                                                | 0.61    |
| Other                          | $I_{\text{a}}$ (junc)                                       | 0.23    | -     | -                                                   | 0.61                                             | 1.1     |
|                                | $f_{\text{a}}$ (Hz)                                         | 2003    | -     | 0.55                                                | -                                                | 0.55    |
|                                | $P_{\text{r}}$ at max. $I_{\text{a}}$ (MPa)                 | 3.0     | -     | -                                                   | -                                                | -       |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                  |         | -     | -                                                   | -                                                | -       |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$ (W/cm <sup>2</sup> )  | 172     | -     | 5.0                                                 | -                                                | 5.0     |
|                                | $f_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                  |         | -     | 2.4                                                 | -                                                | 2.4     |
|                                | $f_{\text{a}}$ (cm)                                         |         | -     | -                                                   | -                                                | -       |
|                                | $f_{\text{a}}$ (cm)                                         |         | -     | -                                                   | -                                                | -       |
|                                | $f_{\text{a}}$ (cm)                                         |         | -     | -                                                   | -                                                | -       |
|                                | $f_{\text{a}}$ (cm)                                         |         | -     | -                                                   | -                                                | -       |
| Information                    | $P_{\text{r},\text{a}}$ (%)                                 | 100     | -     | 100                                                 | -                                                | 100     |
|                                | Tx Mode                                                     | M       | -     | M                                                   | -                                                | M       |
|                                | Wave Mode                                                   | TH(P,L) | -     | TH(P,L)                                             | -                                                | TH(P,L) |
|                                | Frequency (B)                                               | Penet   | Penet | Penet                                               | Penet                                            |         |
|                                | Focus (B)                                                   | F4      | -     | F5                                                  | -                                                | F3      |
|                                | Scatter (B)                                                 | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Range (cm)                                                  | 21.0    | -     | 21.0                                                | -                                                | 21.0    |
|                                | PRF Limit                                                   | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Line Density                                                | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Flow Mode                                                   | n/a     | n/a   | n/a                                                 | n/a                                              |         |
| Operating control conditions   | Ref. Frequency (Color)                                      | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Focus (Color)                                               | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Flow's (Color)                                              | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Color Velocity Range (cm/h)                                 | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Pixel Size                                                  | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Flow Area Depth (cm)                                        | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Color Line Density                                          | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Pw Mode                                                     | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | High PRF                                                    | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Ref. Frequency (D)                                          | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Focus (D)                                                   | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Display Velocity Range (cm/h)                               | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Sample gate size (cm)                                       | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Sample gate depth (cm)                                      | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Sample gate depth (cm)                                      | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Triplets Frame Rate                                         | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Triplets VFL Range                                          | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                | Flow Area Lock                                              | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                |                                                             | n/a     | n/a   | n/a                                                 | n/a                                              |         |
|                                |                                                             | n/a     | n/a   | n/a                                                 | n/a                                              |         |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer unless it is intended for transducer or associated capsule uses

NOTE 3 If the requirements of 2011A2b are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 If the requirements of 2011A2b are met, it is not required to enter any data in the columns related to MT.

NOTE 1 Data should not be entered in any of the columns related to the NEW FIRM LOOK.

NOTE 1: Data are only included in case of the occurrence of the event.

NOTE 2: Information need not be provided regarding TIC for any transverse assembly not intended for transcranial or neonatal cephalic uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                                      | MT      | TTS  |                                        | TIB  | TTC     |
|--------------------------------------------------|---------|------|----------------------------------------|------|---------|
|                                                  |         | Scan | Non-scan<br>$A_{avg} < 1 \text{ cm}^2$ |      |         |
| Maximum Index Values                             | 0.74    | -    | 0.37                                   | 0.90 | 0.75    |
| $p_{r,a}$ (MPa)                                  | 1.8     | -    | -                                      | -    | -       |
| $P$ (mW)                                         | -       | -    | 13                                     | 10   | 12      |
| Min of $[P_{r,a}(t), I_{avg}(t)]$ (mW)           | -       | -    | -                                      | -    | -       |
| $I_a$ (cm)                                       | -       | -    | -                                      | -    | -       |
| $I_{10}$ (cm)                                    | -       | -    | -                                      | -    | -       |
| $I_b$ (cm)                                       | -       | -    | -                                      | -    | -       |
| $I$ at max. $I_{p,a}$ (cm)                       | 2.7     | -    | -                                      | -    | 0.61    |
| $I_{avg}(t)$ (cm)                                | -       | -    | -                                      | -    | -       |
| $I_{avg}$ (MHz)                                  | B-5.73  | -    | D-5.77                                 | -    | 0.21    |
| Dim of $A_{avg}$ X (cm)                          | -       | -    | 1.1                                    | -    | D-5.75  |
| Y (cm)                                           | -       | -    | 0.55                                   | -    | 0.25    |
| $I_d$ (junc)                                     | 0.23    | -    | -                                      | -    | 0.55    |
| $I_{avg}$ (Hz)                                   | 1115    | -    | -                                      | -    | -       |
| $I_{avg}$ at max. $I_{p,a}$ (MPa)                | 3.0     | -    | -                                      | -    | -       |
| $I_{avg}$ at max. $I_{p,a}$ (cm)                 | -       | -    | -                                      | -    | 0.20    |
| $I_{avg}$ at max. $I_{p,a}$ (W/cm <sup>2</sup> ) | 172     | -    | -                                      | -    | -       |
| Focal Length FLx (cm)                            | -       | -    | 6.5                                    | -    | 0.50    |
| FLy (cm)                                         | -       | -    | 2.2                                    | -    | 0.50    |
| IPWR%                                            | 100     | -    | 100                                    | -    | 100     |
| Tx Mode                                          | B/Pw    | -    | B/Pw                                   | -    | B/Pw    |
| Wave Mode                                        | TH(P.L) | -    | TH(P.L)                                | -    | TH(P.L) |
| Frequency (B)                                    | Presat  | -    | Std                                    | -    | Presat  |
| Focus (B)                                        | F4      | -    | F2                                     | -    | F1      |
| Scan% (B)                                        | 100     | -    | 25                                     | -    | 25      |
| Range (cm)                                       | 21.0    | -    | 9.0                                    | -    | 2.0     |
| PRF Limit                                        | ON      | -    | OFF                                    | -    | OFF     |
| Line Density                                     | Low     | -    | Low                                    | -    | Medium  |
| Flow Mode                                        | n/a     | -    | n/a                                    | -    | n/a     |
| Ref. Frequency (Color)                           | n/a     | -    | n/a                                    | -    | n/a     |
| Focus (Color)                                    | n/a     | -    | n/a                                    | -    | n/a     |
| Flow% (Color)                                    | n/a     | -    | n/a                                    | -    | n/a     |
| Color Velocity Range (cm/s)                      | n/a     | -    | n/a                                    | -    | n/a     |
| Packet Size                                      | n/a     | -    | n/a                                    | -    | n/a     |
| Flow Area Depth                                  | n/a     | -    | n/a                                    | -    | n/a     |
| Color Line Density                               | n/a     | -    | n/a                                    | -    | n/a     |
| Pw Mode                                          | PW      | -    | PW                                     | -    | PW      |
| High PRF                                         | OFF     | -    | OFF                                    | -    | OFF     |
| Ref. Frequency (D)                               | Reso    | -    | Reso                                   | -    | Reso    |
| Focus (D)                                        | F1      | -    | F6                                     | -    | F2      |
| Doppler Velocity Range (cm/s)                    | 6.23    | -    | 16.60                                  | -    | 72.44   |
| Sample gate size (cm)                            | 0.1     | -    | 0.1                                    | -    | 0.1     |
| Sample gate depth (cm)                           | 0.2     | -    | 4.2                                    | -    | 0.4     |
| Triplex Frame Rate                               | n/a     | -    | n/a                                    | -    | n/a     |
| Triplex VIL Range                                | n/a     | -    | n/a                                    | -    | n/a     |
| Flow Area Lock                                   | n/a     | -    | n/a                                    | -    | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any "transducer status" not intended for transmission or non-scan output

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIB, TIB or TTC

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MT

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{p,a}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTS              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                                      | MT     | TTS  |                                        | TIB | TTC    |
|--------------------------------------------------|--------|------|----------------------------------------|-----|--------|
|                                                  |        | Scan | Non-scan<br>$A_{avg} < 1 \text{ cm}^2$ |     |        |
| Maximum Index Values                             | 0.68   | -    | 0.37                                   | -   | 0.73   |
| $p_{r,a}$ (MPa)                                  | 1.6    | -    | -                                      | -   | -      |
| $P$ (mW)                                         | -      | -    | 13                                     | -   | 11     |
| Min of $[P_{r,a}(t), I_{avg}(t)]$ (mW)           | -      | -    | -                                      | -   | -      |
| $I_a$ (cm)                                       | -      | -    | -                                      | -   | -      |
| $I_{10}$ (cm)                                    | -      | -    | -                                      | -   | -      |
| $I_b$ (cm)                                       | -      | -    | -                                      | -   | -      |
| $I$ at max. $I_{p,a}$ (cm)                       | 1.6    | -    | -                                      | -   | 0.61   |
| $I_{avg}(t)$ (cm)                                | -      | -    | -                                      | -   | -      |
| $I_{avg}$ (MHz)                                  | 5.8    | -    | 5.8                                    | -   | 0.21   |
| Dim of $A_{avg}$ X (cm)                          | -      | -    | 1.1                                    | -   | 0.25   |
| Y (cm)                                           | -      | -    | 0.55                                   | -   | 0.55   |
| $I_d$ (junc)                                     | 0.44   | -    | -                                      | -   | -      |
| $I_{avg}$ (Hz)                                   | 1860   | -    | -                                      | -   | -      |
| $I_{avg}$ at max. $I_{p,a}$ (MPa)                | 2.1    | -    | -                                      | -   | -      |
| $I_{avg}$ at max. $I_{p,a}$ (cm)                 | -      | -    | -                                      | -   | 0.20   |
| $I_{avg}$ at max. $I_{p,a}$ (W/cm <sup>2</sup> ) | 163    | -    | -                                      | -   | -      |
| Focal Length FLx (cm)                            | -      | -    | 6.5                                    | -   | 0.50   |
| FLy (cm)                                         | -      | -    | 2.4                                    | -   | 0.50   |
| IPWR%                                            | 100    | -    | 100                                    | -   | 100    |
| Tx Mode                                          | M/Flow | -    | M/Flow                                 | -   | M/Flow |
| Wave Mode                                        | n/a    | -    | n/a                                    | -   | n/a    |
| Frequency (B)                                    | n/a    | -    | n/a                                    | -   | n/a    |
| Focus (B)                                        | n/a    | -    | n/a                                    | -   | n/a    |
| Scan% (B)                                        | n/a    | -    | n/a                                    | -   | n/a    |
| Range (cm)                                       | 21.0   | -    | 7.0                                    | -   | 2.0    |
| PRF Limit                                        | n/a    | -    | n/a                                    | -   | n/a    |
| Line Density                                     | n/a    | -    | n/a                                    | -   | n/a    |
| Flow Mode                                        | n/a    | -    | n/a                                    | -   | n/a    |
| Ref. Frequency (Color)                           | Reso   | -    | Reso                                   | -   | Reso   |
| Focus (Color)                                    | F3     | -    | F5                                     | -   | F2     |
| Flow% (Color)                                    | n/a    | -    | n/a                                    | -   | n/a    |
| Color Velocity Range (cm/s)                      | 12.45  | -    | 16.60                                  | -   | 66.41  |
| Packet Size                                      | n/a    | -    | n/a                                    | -   | n/a    |
| Flow Area Depth                                  | 21.0   | -    | 21.0                                   | -   | 21.0   |
| Color Line Density                               | n/a    | -    | n/a                                    | -   | n/a    |
| Pw Mode                                          | n/a    | -    | n/a                                    | -   | n/a    |
| High PRF                                         | n/a    | -    | n/a                                    | -   | n/a    |
| Ref. Frequency (D)                               | n/a    | -    | n/a                                    | -   | n/a    |
| Focus (D)                                        | n/a    | -    | n/a                                    | -   | n/a    |
| Doppler Velocity Range (cm/s)                    | n/a    | -    | n/a                                    | -   | n/a    |
| Sample gate size (cm)                            | n/a    | -    | n/a                                    | -   | n/a    |
| Sample gate depth (cm)                           | n/a    | -    | n/a                                    | -   | n/a    |
| Triplex Frame Rate                               | n/a    | -    | n/a                                    | -   | n/a    |
| Triplex VIL Range                                | n/a    | -    | n/a                                    | -   | n/a    |
| Flow Area Lock                                   | n/a    | -    | n/a                                    | -   | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any "transducer status" not intended for transmission or non-scan output

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIB, TIB or TTC

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MT

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{p,a}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTS              | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                 | MT   | Scan | TIS | TTB   | TTC    |
|--------------------------------|-----------------|------|------|-----|-------|--------|
| Maximum Index Value            |                 | 0.74 | -    | -   | 0.93  | 0.81   |
| Associated acoustic parameters | $P_{1, \alpha}$ | 1.8  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (mW) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (mW) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 2.7  | -    | -   | 0.61  | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Operating control conditions   | $P_{1, \alpha}$ | 0.23 | -    | -   | 0.21  | -      |
|                                | $P_{1, \alpha}$ | (Hz) | 949  | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | 3.0  | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (Hz) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 172  | -    | -   | 0.20  | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 100  | -    | -   | 100   | 100    |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.63 | -    | -   | 66.41 | 66.41  |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 6.23 | -    | -   | 72.44 | 132.81 |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.1  | -    | -   | 0.1   | 0.1    |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 100  | -    | -   | 100   | 100    |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.63 | -    | -   | 66.41 | 66.41  |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 6.23 | -    | -   | 72.44 | 132.81 |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.1  | -    | -   | 0.1   | 0.1    |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 100  | -    | -   | 100   | 100    |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.63 | -    | -   | 66.41 | 66.41  |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 6.23 | -    | -   | 72.44 | 132.81 |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.1  | -    | -   | 0.1   | 0.1    |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 100  | -    | -   | 100   | 100    |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.63 | -    | -   | 66.41 | 66.41  |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 6.23 | -    | -   | 72.44 | 132.81 |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.1  | -    | -   | 0.1   | 0.1    |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 100  | -    | -   | 100   | 100    |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.63 | -    | -   | 66.41 | 66.41  |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 6.23 | -    | -   | 72.44 | 132.81 |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.1  | -    | -   | 0.1   | 0.1    |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 100  | -    | -   | 100   | 100    |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (%)  | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 0.63 | -    | -   | 66.41 | 66.41  |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
| Other information              | $P_{1, \alpha}$ | 6.23 | -    | -   | 72.44 | 132.81 |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                | $P_{1, \alpha}$ | (cm) | -    | -   | -     | -      |
|                                |                 |      |      |     |       |        |

|                              |
|------------------------------|
| Display accuracy             |
| 20% or 0.2, whichever larger |
| 40% or 0.4, whichever larger |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_d$                       | 37.14% |

Table 201.103 – Acoustic output reporting table

| Index label                                      | M/I  | TIS  |          | TIB | TIC  |
|--------------------------------------------------|------|------|----------|-----|------|
|                                                  |      | Scan | Non-scan |     |      |
| Maximum Index Value                              | 0.74 | 0.33 | -        | -   | 0.44 |
| $P_{\text{max}}$                                 | 1.8  | -    | -        | -   | -    |
| $P_{\text{min}}$                                 | (mW) | -    | -        | -   | -    |
| Min of $ P_{\text{a}}(r_a) , I_{\text{a}}(r_a) $ | (mW) | 12   | -        | -   | 12   |
| $P_{\text{a}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{a}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{b}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{b}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{c}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{c}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{d}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{d}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{e}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{e}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{f}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{f}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{g}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{g}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{h}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{h}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{i}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{i}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{j}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{j}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{k}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{k}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{l}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{l}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{m}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{m}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{n}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{n}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{o}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{o}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{p}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{p}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{q}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{q}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{r}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{r}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{s}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{s}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{t}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{t}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{u}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{u}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{v}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{v}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{w}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{w}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{x}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{x}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{y}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{y}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{z}}$                                   | (cm) | -    | -        | -   | -    |
| $I_{\text{z}}$                                   | (cm) | -    | -        | -   | -    |
| $P_{\text{aa}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{aa}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ab}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ab}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ac}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ac}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ad}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ad}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ae}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ae}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{af}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{af}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ag}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ag}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ah}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ah}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ai}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ai}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{aj}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{aj}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ak}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{ak}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{al}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{al}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{am}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{am}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{an}}$                                  | (cm) | -    | -        | -   | -    |
| $I_{\text{an}}$                                  | (cm) | -    | -        | -   | -    |
| $P_{\text{ao}}$                                  | (cm) | -    | -        | -   | -    |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_d$                       | 37.14% |

## (2) Электронные линейные датчики

Acoustic output data in accordance with IEC 61294-2.2, corresponding literature

ARISTEA 10

1.4.2

Linear

Acoustic power is available by the unit.

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Table 201.103 - Acoustic output reporting table

| Index label                    | MI                   | TIS     |          | TIB     | TTC     |
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|                                |                      | Scan    | Non-scan |         |         |
| Maximum Index Value            | 1.3                  | 0.37    | -        | 0.53    | 0.55    |
| $P_{r,s}$                      | 3.1                  | -       | -        | -       | -       |
| $P$                            | (MPa)                | -       | -        | -       | -       |
| Min of $P_{r,s}$ ( $P_{r,s}$ ) | (mW)                 | 12      | -        | 5.7     | 18      |
| Associated acoustic parameters | (cm)                 | -       | -        | -       | -       |
| $F_{10}$                       | (cm)                 | -       | -        | -       | -       |
| $F_{10}$                       | (cm)                 | -       | -        | 1.7     | -       |
| $F_{10}$ at max. $F_{10}$      | (cm)                 | 1.8     | -        | -       | -       |
| $F_{10}$ at max. $F_{10}$      | (cm)                 | -       | -        | 0.14    | -       |
| $F_{10}$ at max. $F_{10}$      | (cm)                 | -       | -        | 4.9     | 4.8     |
| Dim of $A_{un}$                | (cm)                 | 1.5     | -        | 0.60    | 1.1     |
| Dim of $A_{un}$                | (cm)                 | 0.60    | -        | 0.60    | 0.60    |
| $I_{10}$                       | (mW)                 | 0.15    | -        | -       | -       |
| $I_{10}$ at max. $I_{10}$      | (mW)                 | 3819    | -        | -       | -       |
| $I_{10}$ at max. $I_{10}$      | (mW)                 | 4.3     | -        | -       | -       |
| $I_{10}$ at max. $I_{10}$      | (mW)                 | -       | -        | 0.14    | -       |
| Information                    | (W/cm <sup>2</sup> ) | 651     | -        | -       | -       |
| Flow Length                    | (cm)                 | 1.5     | -        | -       | 0.28    |
| Flow Length                    | (cm)                 | 2.0     | -        | -       | 1.8     |
| PWR%                           | (%)                  | 100     | -        | -       | 100     |
| Tx Mode                        | B/M                  | -       | -        | B/M     | B/M     |
| Wave Mode                      | THUP(L)              | THUP(L) | -        | THUP(L) | THUP(L) |
| Frequency (B)                  | Std                  | High    | -        | Preset  | Preset  |
| Focus (B)                      | F5                   | F4      | -        | F5      | F1      |
| Scan% (B)                      | (%)                  | 100     | 25       | -       | 100     |
| Range                          | (cm)                 | 14.0    | 2.5      | -       | 14.0    |
| PRF Limit                      | ON                   | OFF     | -        | ON      | OFF     |
| Line Density                   | Low                  | Low     | -        | Low     | Low     |
| Flow Mode                      | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Ref. Frequency (Color)         | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Focus (Color)                  | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Flow% (Color)                  | (%)                  | n/a     | n/a      | n/a     | n/a     |
| Color Velocity Range           | (cm/s)               | n/a     | n/a      | n/a     | n/a     |
| Picket Size                    | (cm)                 | n/a     | n/a      | n/a     | n/a     |
| Flow Area Depth                | (cm)                 | n/a     | n/a      | n/a     | n/a     |
| Color Line Density             | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Pw Mode                        | n/a                  | n/a     | n/a      | n/a     | n/a     |
| High PRF                       | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Ref. Frequency (D)             | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Focus (D)                      | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Driftless Velocity Range       | (cm/s)               | n/a     | n/a      | n/a     | n/a     |
| Sample gate size               | (cm)                 | n/a     | n/a      | n/a     | n/a     |
| Sample gate depth              | (cm)                 | n/a     | n/a      | n/a     | n/a     |
| Triplex Frame Rate             | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Triplex VEL Range              | n/a                  | n/a     | n/a      | n/a     | n/a     |
| Flow Area Lock                 | n/a                  | n/a     | n/a      | n/a     | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TIS  
NOTE 2 Information need not be provided regarding TIS for any transducer assembly not intended for transcranial or neonatal cephalic uses  
NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIB, TIB or TIB  
NOTE 4 If the requirements of 201.12.4.3 are met, it is not required to enter any data in the columns related to TIB  
NOTE 5 Flow Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{10}$                    | 37.14% |
| $P_{10}$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 - Acoustic output reporting table

| Index label                    | MI                   | TIS     |          | TIB | TTC     |
|--------------------------------|----------------------|---------|----------|-----|---------|
|                                |                      | Scan    | Non-scan |     |         |
| Maximum Index Value            | 1.4                  | 0.44    | -        | -   | 0.52    |
| $P_{r,s}$                      | 3.0                  | -       | -        | -   | -       |
| $P$                            | (MPa)                | -       | -        | -   | -       |
| Min of $P_{r,s}$ ( $P_{r,s}$ ) | (mW)                 | 16      | -        | -   | -       |
| Associated acoustic parameters | (cm)                 | -       | -        | -   | -       |
| $F_{10}$                       | (cm)                 | -       | -        | -   | -       |
| $F_{10}$                       | (cm)                 | -       | -        | -   | -       |
| $F_{10}$ at max. $F_{10}$      | (cm)                 | 1.8     | -        | -   | -       |
| $F_{10}$ at max. $F_{10}$      | (cm)                 | -       | -        | -   | -       |
| Dim of $A_{un}$                | (cm)                 | 4.9     | -        | -   | 4.8     |
| Dim of $A_{un}$                | (cm)                 | 1.3     | -        | -   | 1.1     |
| Dim of $A_{un}$                | (cm)                 | 0.60    | -        | -   | 0.60    |
| $I_{10}$                       | (mW)                 | 0.25    | -        | -   | -       |
| $I_{10}$ at max. $I_{10}$      | (mW)                 | 4409    | -        | -   | -       |
| $I_{10}$ at max. $I_{10}$      | (mW)                 | 3.8     | -        | -   | -       |
| Information                    | (W/cm <sup>2</sup> ) | 912     | -        | -   | -       |
| Flow Length                    | (cm)                 | 1.1     | -        | -   | 0.28    |
| Flow Length                    | (cm)                 | 1.8     | -        | -   | 1.8     |
| PWR%                           | (%)                  | 100     | -        | -   | 100     |
| Tx Mode                        | B                    | B       | -        | -   | B       |
| Wave Mode                      | THUP(L)              | THUP(L) | -        | -   | THUP(L) |
| Frequency (B)                  | Pres                 | Pres    | -        | -   | Pres    |
| Focus (B)                      | F5                   | F3      | -        | -   | F1      |
| Scan% (B)                      | (%)                  | 100     | 25       | -   | 25      |
| Range                          | (cm)                 | 14.0    | 2.0      | -   | 2.0     |
| PRF Limit                      | ON                   | OFF     | -        | -   | OFF     |
| Line Density                   | Low                  | High    | -        | -   | High    |
| Flow Mode                      | n/a                  | n/a     | n/a      | n/a | n/a     |
| Ref. Frequency (Color)         | n/a                  | n/a     | n/a      | n/a | n/a     |
| Focus (Color)                  | n/a                  | n/a     | n/a      | n/a | n/a     |
| Flow% (Color)                  | (%)                  | n/a     | n/a      | n/a | n/a     |
| Color Velocity Range           | (cm/s)               | n/a     | n/a      | n/a | n/a     |
| Picket Size                    | (cm)                 | n/a     | n/a      | n/a | n/a     |
| Flow Area Depth                | (cm)                 | n/a     | n/a      | n/a | n/a     |
| Color Line Density             | n/a                  | n/a     | n/a      | n/a | n/a     |
| Pw Mode                        | n/a                  | n/a     | n/a      | n/a | n/a     |
| High PRF                       | n/a                  | n/a     | n/a      | n/a | n/a     |
| Ref. Frequency (D)             | n/a                  | n/a     | n/a      | n/a | n/a     |
| Focus (D)                      | n/a                  | n/a     | n/a      | n/a | n/a     |
| Driftless Velocity Range       | (cm/s)               | n/a     | n/a      | n/a | n/a     |
| Sample gate size               | (cm)                 | n/a     | n/a      | n/a | n/a     |
| Sample gate depth              | (cm)                 | n/a     | n/a      | n/a | n/a     |
| Triplex Frame Rate             | n/a                  | n/a     | n/a      | n/a | n/a     |
| Triplex VEL Range              | n/a                  | n/a     | n/a      | n/a | n/a     |
| Flow Area Lock                 | n/a                  | n/a     | n/a      | n/a | n/a     |

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NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIB, TIB or TIB  
NOTE 4 If the requirements of 201.12.4.3 are met, it is not required to enter any data in the columns related to TIB  
NOTE 5 Flow Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{10}$                    | 37.14% |
| $P_{10}$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                             | MI     | Scan | TTS  | TTH  | TTC  |
|--------------------------------|-----------------------------|--------|------|------|------|------|
| Maximum Index Values           |                             | 1.6    | -    | 0.34 | 1.3  | 1.2  |
| Associated acoustic parameters | $P_{r,a}$                   | (MPa)  |      |      |      |      |
|                                | $P$                         | (mW)   |      |      |      |      |
|                                | Min of $[P(x), f_{w,a}(x)]$ | (mW)   |      | 12   | 12   | 14   |
|                                | $f_a$                       | (cm)   |      | -    |      |      |
|                                | $f_{ip}$                    | (cm)   |      | -    |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      | -    | 1.3  |      |
| Other                          | $f_a$ at max. $f_{ip}$      | (cm)   |      |      | 0.14 |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
| Information                    | Dim of $A_{out}$            | (MHz)  | 5.7  | 5.7  | 4.1  | 5.0  |
|                                | Dim of $A_{out}$            | (cm)   |      | 0.20 | 0.40 | 0.12 |
|                                | Dim of $A_{out}$            | (cm)   |      | 0.60 | 0.60 | 0.60 |
|                                | $f_a$                       | (usec) | 0.64 |      |      |      |
|                                | $f_a$                       | (Hz)   | 910  |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (MPa)  | 5.0  |      |      |      |
| Operating control conditions   | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
|                                | $f_a$ at max. $f_{ip}$      | (cm)   |      |      |      |      |
| Information                    | Foot Length                 | (cm)   |      | 0.37 | -    | 0.18 |
|                                | Foot Length                 | (cm)   |      | 1.8  | -    | 2.0  |
|                                | Foot Length                 | (%)    | 100  | 100  | 100  | 100  |
|                                | Foot Length                 | (%)    | Pw   | Pw   | Pw   | Pw   |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (%)    | n/a  | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Information                    | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
| Operating control conditions   | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm)   |      | n/a  | n/a  | n/a  |
|                                | Foot Length                 | (cm    |      |      |      |      |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any manufacturer assuming not intended for transcranial or neonatal catheter uses

NOTE 3 If the requirements of 201.1.2.4.3a are met, it is not required to enter any data in the columns related to T15, T18 or T19.

NOTE 4 If the requirements of 2D1.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_p$                       | 37.14% |
| $n$                         | 18.75% |

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| Display accuracy |                               |
|------------------|-------------------------------|
| M/I              | 20% or 0.2, whichever larger  |
| TT               | 4.0% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                   | MI    | Scan | TIS                                                        | TIB      | TTC  |
|--------------------------------|-----------------------------------|-------|------|------------------------------------------------------------|----------|------|
| Maximum Index Value            |                                   |       | -    | $A_{ave} < 1 \text{ cm}^{-1} A_{ave}^{-1} \text{ cm}^{-1}$ | Non-scan |      |
| Associated acoustic parameters | $P_{ave}$                         | (MPa) | -    | -                                                          | 1.0      | 0.40 |
|                                | $P$                               | (mW)  | -    | -                                                          | -        | -    |
|                                | Min of $[P(x, y), f_{ave}(x, y)]$ | (mW)  | -    | 10                                                         | 9.7      | 9.7  |
|                                | $z_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $z_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Other                          | $z$ at max. $f_{ave}$             | (cm)  | -    | -                                                          | 1.5      | -    |
|                                | $f_{ave}$                         | (MHz) | -    | -                                                          | 0.13     | -    |
|                                | Dim of $A_{ave}$                  | (cm)  | -    | 4.8                                                        | -        | 4.9  |
|                                | $f_{ave}$                         | (cm)  | -    | 0.92                                                       | -        | 0.48 |
|                                | $f_{ave}$                         | (cm)  | -    | 0.60                                                       | -        | 0.60 |
| Information                    | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Operating control conditions   | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
| Flow Area Lock                 | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | $f_{ave}$                         | (cm)  | -    | -                                                          | -        | -    |
|                                | <                                 |       |      |                                                            |          |      |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transverse assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $p_{\cdot}$                 | 18.75% |

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| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                   | MT  | TIS  |          | TIB | TTC |
|-------------------------------|-----|------|----------|-----|-----|
|                               |     | Scan | Non-scan |     |     |
| Maximum Index Values          | 1.6 | -    | 0.26     | -   | 1.3 |
| $P_{1, \alpha}$               | 3.8 | -    | 1.1      | -   | 1.5 |
| $P$                           |     |      |          |     |     |
| Min of $[P_a(f), I_{w,a}(f)]$ |     |      |          |     |     |
| $P_a$                         |     |      |          |     |     |
| $I_{w,a}$                     |     |      |          |     |     |
| $I_{w,b}$                     |     |      |          |     |     |
| $I_{w,c}$                     |     |      |          |     |     |
| $I_{w,d}$                     |     |      |          |     |     |
| $I_{w,e}$                     |     |      |          |     |     |
| $I_{w,f}$                     |     |      |          |     |     |
| $I_{w,g}$                     |     |      |          |     |     |
| $I_{w,h}$                     |     |      |          |     |     |
| $I_{w,i}$                     |     |      |          |     |     |
| $I_{w,j}$                     |     |      |          |     |     |
| $I_{w,k}$                     |     |      |          |     |     |
| $I_{w,l}$                     |     |      |          |     |     |
| $I_{w,m}$                     |     |      |          |     |     |
| $I_{w,n}$                     |     |      |          |     |     |
| $I_{w,o}$                     |     |      |          |     |     |
| $I_{w,p}$                     |     |      |          |     |     |
| $I_{w,q}$                     |     |      |          |     |     |
| $I_{w,r}$                     |     |      |          |     |     |
| $I_{w,s}$                     |     |      |          |     |     |
| $I_{w,t}$                     |     |      |          |     |     |
| $I_{w,u}$                     |     |      |          |     |     |
| $I_{w,v}$                     |     |      |          |     |     |
| $I_{w,w}$                     |     |      |          |     |     |
| $I_{w,x}$                     |     |      |          |     |     |
| $I_{w,y}$                     |     |      |          |     |     |
| $I_{w,z}$                     |     |      |          |     |     |
| $I_{w,aa}$                    |     |      |          |     |     |
| $I_{w,ab}$                    |     |      |          |     |     |
| $I_{w,ac}$                    |     |      |          |     |     |
| $I_{w,ad}$                    |     |      |          |     |     |
| $I_{w,ae}$                    |     |      |          |     |     |
| $I_{w,af}$                    |     |      |          |     |     |
| $I_{w,ag}$                    |     |      |          |     |     |
| $I_{w,ah}$                    |     |      |          |     |     |
| $I_{w,ai}$                    |     |      |          |     |     |
| $I_{w,aj}$                    |     |      |          |     |     |
| $I_{w,ak}$                    |     |      |          |     |     |
| $I_{w,al}$                    |     |      |          |     |     |
| $I_{w,am}$                    |     |      |          |     |     |
| $I_{w,an}$                    |     |      |          |     |     |
| $I_{w,ao}$                    |     |      |          |     |     |
| $I_{w,ap}$                    |     |      |          |     |     |
| $I_{w,aq}$                    |     |      |          |     |     |
| $I_{w,ar}$                    |     |      |          |     |     |
| $I_{w,as}$                    |     |      |          |     |     |
| $I_{w,at}$                    |     |      |          |     |     |
| $I_{w,au}$                    |     |      |          |     |     |
| $I_{w,av}$                    |     |      |          |     |     |
| $I_{w,aw}$                    |     |      |          |     |     |
| $I_{w,ax}$                    |     |      |          |     |     |
| $I_{w,ay}$                    |     |      |          |     |     |
| $I_{w,az}$                    |     |      |          |     |     |
| $I_{w,ba}$                    |     |      |          |     |     |
| $I_{w,bb}$                    |     |      |          |     |     |
| $I_{w,bc}$                    |     |      |          |     |     |
| $I_{w,bd}$                    |     |      |          |     |     |
| $I_{w,be}$                    |     |      |          |     |     |
| $I_{w,bf}$                    |     |      |          |     |     |
| $I_{w,bg}$                    |     |      |          |     |     |
| $I_{w,bh}$                    |     |      |          |     |     |
| $I_{w,bi}$                    |     |      |          |     |     |
| $I_{w,bj}$                    |     |      |          |     |     |
| $I_{w,bk}$                    |     |      |          |     |     |
| $I_{w,bl}$                    |     |      |          |     |     |
| $I_{w,bm}$                    |     |      |          |     |     |
| $I_{w,bn}$                    |     |      |          |     |     |
| $I_{w,bo}$                    |     |      |          |     |     |
| $I_{w,bp}$                    |     |      |          |     |     |
| $I_{w,bq}$                    |     |      |          |     |     |
| $I_{w,br}$                    |     |      |          |     |     |
| $I_{w,bs}$                    |     |      |          |     |     |
| $I_{w,bt}$                    |     |      |          |     |     |
| $I_{w,bu}$                    |     |      |          |     |     |
| $I_{w,bv}$                    |     |      |          |     |     |
| $I_{w,bw}$                    |     |      |          |     |     |
| $I_{w,bx}$                    |     |      |          |     |     |
| $I_{w,by}$                    |     |      |          |     |     |
| $I_{w,bz}$                    |     |      |          |     |     |
| $I_{w,ca}$                    |     |      |          |     |     |
| $I_{w,cb}$                    |     |      |          |     |     |
| $I_{w,cc}$                    |     |      |          |     |     |
| $I_{w,cd}$                    |     |      |          |     |     |
| $I_{w,ce}$                    |     |      |          |     |     |
| $I_{w,cf}$                    |     |      |          |     |     |
| $I_{w,cg}$                    |     |      |          |     |     |
| $I_{w,ch}$                    |     |      |          |     |     |
| $I_{w,ci}$                    |     |      |          |     |     |
| $I_{w,cj}$                    |     |      |          |     |     |
| $I_{w,ck}$                    |     |      |          |     |     |
| $I_{w,cl}$                    |     |      |          |     |     |
| $I_{w,cm}$                    |     |      |          |     |     |
| $I_{w,cn}$                    |     |      |          |     |     |
| $I_{w,co}$                    |     |      |          |     |     |
| $I_{w,cp}$                    |     |      |          |     |     |
| $I_{w,cq}$                    |     |      |          |     |     |
| $I_{w,cr}$                    |     |      |          |     |     |
| $I_{w,cs}$                    |     |      |          |     |     |
| $I_{w,ct}$                    |     |      |          |     |     |
| $I_{w,cu}$                    |     |      |          |     |     |
| $I_{w,cv}$                    |     |      |          |     |     |
| $I_{w,cw}$                    |     |      |          |     |     |
| $I_{w,cx}$                    |     |      |          |     |     |
| $I_{w,cy}$                    |     |      |          |     |     |
| $I_{w,cz}$                    |     |      |          |     |     |
| $I_{w,da}$                    |     |      |          |     |     |
| $I_{w,db}$                    |     |      |          |     |     |
| $I_{w,dc}$                    |     |      |          |     |     |
| $I_{w,dd}$                    |     |      |          |     |     |
| $I_{w,de}$                    |     |      |          |     |     |
| $I_{w,df}$                    |     |      |          |     |     |
| $I_{w,dg}$                    |     |      |          |     |     |
| $I_{w,dh}$                    |     |      |          |     |     |
| $I_{w,di}$                    |     |      |          |     |     |
| $I_{w,dj}$                    |     |      |          |     |     |
| $I_{w,dk}$                    |     |      |          |     |     |
| $I_{w,dl}$                    |     |      |          |     |     |
| $I_{w,dm}$                    |     |      |          |     |     |
| $I_{w,dn}$                    |     |      |          |     |     |
| $I_{w,do}$                    |     |      |          |     |     |
| $I_{w,dp}$                    |     |      |          |     |     |
| $I_{w,dq}$                    |     |      |          |     |     |
| $I_{w,dr}$                    |     |      |          |     |     |
| $I_{w,ds}$                    |     |      |          |     |     |
| $I_{w,dt}$                    |     |      |          |     |     |
| $I_{w,du}$                    |     |      |          |     |     |
| $I_{w,dv}$                    |     |      |          |     |     |
| $I_{w,dw}$                    |     |      |          |     |     |
| $I_{w,dx}$                    |     |      |          |     |     |
| $I_{w,dy}$                    |     |      |          |     |     |
| $I_{w,dz}$                    |     |      |          |     |     |
| $I_{w,ea}$                    |     |      |          |     |     |
| $I_{w,eb}$                    |     |      |          |     |     |
| $I_{w,ec}$                    |     |      |          |     |     |
| $I_{w,ed}$                    |     |      |          |     |     |
| $I_{w,ee}$                    |     |      |          |     |     |
| $I_{w,ef}$                    |     |      |          |     |     |
| $I_{w,eg}$                    |     |      |          |     |     |
| $I_{w,eh}$                    |     |      |          |     |     |
| $I_{w,ei}$                    |     |      |          |     |     |
| $I_{w,ej}$                    |     |      |          |     |     |
| $I_{w,ek}$                    |     |      |          |     |     |
| $I_{w,el}$                    |     |      |          |     |     |
| $I_{w,em}$                    |     |      |          |     |     |
| $I_{w,en}$                    |     |      |          |     |     |
| $I_{w,eo}$                    |     |      |          |     |     |
| $I_{w,ep}$                    |     |      |          |     |     |
| $I_{w,eq}$                    |     |      |          |     |     |
| $I_{w,er}$                    |     |      |          |     |     |
| $I_{w,es}$                    |     |      |          |     |     |
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| $I_{w,eu}$                    |     |      |          |     |     |
| $I_{w,ev}$                    |     |      |          |     |     |
| $I_{w,ew}$                    |     |      |          |     |     |
| $I_{w,ex}$                    |     |      |          |     |     |
| $I_{w,ey}$                    |     |      |          |     |     |
| $I_{w,ez}$                    |     |      |          |     |     |
| $I_{w,fa}$                    |     |      |          |     |     |
| $I_{w,fb}$                    |     |      |          |     |     |
| $I_{w,fc}$                    |     |      |          |     |     |
| $I_{w,fd}$                    |     |      |          |     |     |
| $I_{w,fe}$                    |     |      |          |     |     |
| $I_{w,ff}$                    |     |      |          |     |     |
| $I_{w,fg}$                    |     |      |          |     |     |
| $I_{w,fh}$                    |     |      |          |     |     |
| $I_{w,fi}$                    |     |      |          |     |     |
| $I_{w,fj}$                    |     |      |          |     |     |
| $I_{w,fk}$                    |     |      |          |     |     |
| $I_{w,fl}$                    |     |      |          |     |     |
| $I_{w,fm}$                    |     |      |          |     |     |
| $I_{w,fn}$                    |     |      |          |     |     |
| $I_{w,fo}$                    |     |      |          |     |     |
| $I_{w,fp}$                    |     |      |          |     |     |
| $I_{w,fq}$                    |     |      |          |     |     |
| $I_{w,fr}$                    |     |      |          |     |     |
| $I_{w,fs}$                    |     |      |          |     |     |
| $I_{w,ft}$                    |     |      |          |     |     |
| $I_{w,fu}$                    |     |      |          |     |     |
| $I_{w,fv}$                    |     |      |          |     |     |
| $I_{w,fw}$                    |     |      |          |     |     |
| $I_{w,fx}$                    |     |      |          |     |     |
| $I_{w,fy}$                    |     |      |          |     |     |
| $I_{w,fz}$                    |     |      |          |     |     |
| $I_{w,ga}$                    |     |      |          |     |     |
| $I_{w,gb}$                    |     |      |          |     |     |
| $I_{w,gc}$                    |     |      |          |     |     |
| $I_{w,gd}$                    |     |      |          |     |     |
| $I_{w,ge}$                    |     |      |          |     |     |
| $I_{w,gf}$                    |     |      |          |     |     |
| $I_{w,gg}$                    |     |      |          |     |     |
| $I_{w,gh}$                    |     |      |          |     |     |
| $I_{w,gi}$                    |     |      |          |     |     |
| $I_{w,gj}$                    |     |      |          |     |     |
| $I_{w,gk}$                    |     |      |          |     |     |
| $I_{w,gl}$                    |     |      |          |     |     |
| $I_{w,gm}$                    |     |      |          |     |     |
| $I_{w,gn}$                    |     |      |          |     |     |
| $I_{w,go}$                    |     |      |          |     |     |
| $I_{w,gp}$                    |     |      |          |     |     |
| $I_{w,gq}$                    |     |      |          |     |     |
| $I_{w,gr}$                    |     |      |          |     |     |
| $I_{w,gs}$                    |     |      |          |     |     |
| $I_{w,gt}$                    |     |      |          |     |     |
| $I_{w,gu}$                    |     |      |          |     |     |
| $I_{w,gv}$                    |     |      |          |     |     |
| $I_{w,gw}$                    |     |      |          |     |     |
| $I_{w,gx}$                    |     |      |          |     |     |
| $I_{w,gy}$                    |     |      |          |     |     |
| $I_{w,gz}$                    |     |      |          |     |     |
| $I_{w,ha}$                    |     |      |          |     |     |
| $I_{w,hb}$                    |     |      |          |     |     |
| $I_{w,hc}$                    |     |      |          |     |     |
| $I_{w,hd}$                    |     |      |          |     |     |
| $I_{w,he}$                    |     |      |          |     |     |
| $I_{w,hf}$                    |     |      |          |     |     |
| $I_{w,hg}$                    |     |      |          |     |     |
| $I_{w,hh}$                    |     |      |          |     |     |
| $I_{w,hi}$                    |     |      |          |     |     |
| $I_{w,hj}$                    |     |      |          |     |     |
| $I_{w,hk}$                    |     |      |          |     |     |
| $I_{w,hl}$                    |     |      |          |     |     |
| $I_{w,hm}$                    |     |      |          |     |     |
| $I_{w,hn}$                    |     |      |          |     |     |
| $I_{w,ho}$                    |     |      |          |     |     |
| $I_{w,hp}$                    |     |      |          |     |     |
| $I_{w,hq}$                    |     |      |          |     |     |
| $I_{w,hr}$                    |     |      |          |     |     |
| $I_{w,hs}$                    |     |      |          |     |     |
| $I_{w,ht}$                    |     |      |          |     |     |
| $I_{w,hu}$                    |     |      |          |     |     |
| $I_{w,hv}$                    |     |      |          |     |     |
| $I_{w,hw}$                    |     |      |          |     |     |
| $I_{w,hx}$                    |     |      |          |     |     |
| $I_{w,hy}$                    |     |      |          |     |     |
| $I_{w,hz}$                    |     |      |          |     |     |
| $I_{w,ia}$                    |     |      |          |     |     |
| $I_{w,ib}$                    |     |      |          |     |     |
| $I_{w,ic}$                    |     |      |          |     |     |
| $I_{w,id}$                    |     |      |          |     |     |
| $I_{w,ie}$                    |     |      |          |     |     |
| $I_{w,if}$                    |     |      |          |     |     |
| $I_{w,ig}$                    |     |      |          |     |     |
| $I_{w,ih}$                    |     |      |          |     |     |
| $I_{w,ii}$                    |     |      |          |     |     |
| $I_{w,ij}$                    |     |      |          |     |     |
| $I_{w,ik}$                    |     |      |          |     |     |
| $I_{w,il}$                    |     |      |          |     |     |
| $I_{w,im}$                    |     |      |          |     |     |
| $I_{w,in}$                    |     |      |          |     |     |
| $I_{w,io}$                    |     |      |          |     |     |
| $I_{w,ip}$                    |     |      |          |     |     |
| $I_{w,iq}$                    |     |      |          |     |     |
| $I_{w,ir}$                    |     |      |          |     |     |
| $I_{w,is}$                    |     |      |          |     |     |
| $I_{w,it}$                    |     |      |          |     |     |
| $I_{w,iu}$                    |     |      |          |     |     |
| $I_{w,iv}$                    |     |      |          |     |     |
| $I_{w,iw}$                    |     |      |          |     |     |
| $I_{w,ix}$                    |     |      |          |     |     |
| $I_{w,iy}$                    |     |      |          |     |     |
| $I_{w,iz}$                    |     |      |          |     |     |
| $I_{w,ja}$                    |     |      |          |     |     |
| $I_{w,jb}$                    |     |      |          |     |     |
| $I_{w,jc}$                    |     |      |          |     |     |
| $I_{w,jd}$                    |     |      |          |     |     |
| $I_{w,je}$                    |     |      |          |     |     |
| $I_{w,jf}$                    |     |      |          |     |     |
| $I_{w,jg}$                    |     |      |          |     |     |
| $I_{w,jh}$                    |     |      |          |     |     |
| $I_{w,ji}$                    |     |      |          |     |     |
| $I_{w,jj}$                    |     |      |          |     |     |
| $I_{w,jk}$                    |     |      |          |     |     |
| $I_{w,jl}$                    |     |      |          |     |     |
| $I_{w,jm}$                    |     |      |          |     |     |
| $I_{w,jn}$                    |     |      |          |     |     |
| $I_{w,jo}$                    |     |      |          |     |     |
| $I_{w,jp}$                    |     |      |          |     |     |
| $I_{w,jq}$                    |     |      |          |     |     |
| $I_{w,jr}$                    |     |      |          |     |     |
| $I_{w,js}$                    |     |      |          |     |     |
| $I_{w,jt}$                    |     |      |          |     |     |
| $I_{w,ju}$                    |     |      |          |     |     |
| $I_{w,jv}$                    |     |      |          |     |     |
| $I_{w,jw}$                    |     |      |          |     |     |
| $I_{w,jx}$                    |     |      |          |     |     |
| $I_{w,jy}$                    |     |      |          |     |     |
| $I_{w,jz}$                    |     |      |          |     |     |
| $I_{w,ka}$                    |     |      |          |     |     |
| $I_{w,kb}$                    |     |      |          |     |     |
| $I_{w,kc}$                    |     |      |          |     |     |
| $I_{w,kd}$                    |     |      |          |     |     |
| $I_{w,ke}$                    |     |      |          |     |     |
| $I_{w,kf}$                    |     |      |          |     |     |
| $I_{w,kg}$                    |     |      |          |     |     |
| $I_{w,kh}$                    |     |      |          |     |     |
| $I_{w,ki}$                    |     |      |          |     |     |
| $I_{w,kj}$                    |     |      |          |     |     |
| $I_{w,kl}$                    |     |      |          |     |     |
| $I_{w,km}$                    |     |      |          |     |     |
| $I_{w,kn}$                    |     |      |          |     |     |
| $I_{w,ko}$                    |     |      |          |     |     |
| $I_{w,kp}$                    |     |      |          |     |     |
| $I_{w,kq}$                    |     |      |          |     |     |
| $I_{w,kr}$                    |     |      |          |     |     |
| $I_{w,ks}$                    |     |      |          |     |     |
| $I_{w,kt}$                    |     |      |          |     |     |
| $I_{w,ku}$                    |     |      |          |     |     |
| $I_{w,kv}$                    |     |      |          |     |     |
| $I_{w,kw}$                    |     |      |          |     |     |
| $I_{w,kx}$                    |     |      |          |     |     |
| $I_{w,ky}$                    |     |      |          |     |     |



Table 201.103 – Acoustic output reporting table

|                                | Index label                     | MT                   | Scan      | TDS                                                                              | TTB       | TTC         |
|--------------------------------|---------------------------------|----------------------|-----------|----------------------------------------------------------------------------------|-----------|-------------|
|                                | Maximum Index Value             |                      |           | Non-scan<br>$A_{\text{max}} \leq 1 \text{ cm}^3 / A_{\text{min}} \times 10^{-6}$ | Non-scan  |             |
| Associated acoustic parameters | $p_{r,a}$                       | (MPa)                | -         | -                                                                                | -         | 1.1         |
|                                | $p$                             | (mW)                 | -         | -                                                                                | -         | -           |
|                                | Min of $[P_r(x), I_{w,x}(x,z)]$ | (mW)                 | -         | 7.9                                                                              | -         | 14          |
|                                | $F_a$                           | (cm)                 | -         | -                                                                                | -         | -           |
|                                | $F_{ap}$                        | (cm)                 | -         | -                                                                                | -         | -           |
|                                | $F_s$ at max. $I_{p,s}$         | (cm)                 | -         | -                                                                                | -         | 1.3         |
|                                | $f_{\text{res}}$                | (cm)                 | 1.7       | -                                                                                | -         | -           |
|                                | $d_{\text{ref}}(x,z)$           | (cm)                 | C5.76     | -                                                                                | -         | 0.15        |
|                                | $d_{\text{ref}}$                | (MHz)                | C5.76     | D-5.02                                                                           | -         | D-4.06      |
| Other                          | Divn of $I_{\text{opt}}$        | (cm)                 | X         | 0.12                                                                             | -         | 0.40        |
|                                | Y                               | (cm)                 | -         | 0.60                                                                             | -         | 0.60        |
|                                | $I_d$                           | (μsec)               | 0.29      | -                                                                                | -         | -           |
|                                | $p_{rr}$                        | (Hz)                 | 947       | -                                                                                | -         | -           |
|                                | $p_r$ at max. $I_{p,r}$         | (MPa)                | 5.2       | -                                                                                | -         | -           |
|                                | $I_{w,x}$ at max. $I_{p,x}$     | (cm)                 | -         | -                                                                                | -         | 0.14        |
|                                | $I_{p,s}$ at max. MT            | (W/cm <sup>2</sup> ) | 912       | -                                                                                | -         | -           |
|                                | $I_{p,s}$ at max. $I_{p,s}$     | (cm)                 | -         | -                                                                                | -         | -           |
| Information                    | Focal Length                    | (cm)                 | FLx       | -                                                                                | -         | 0.18        |
|                                | FLy                             | (cm)                 | -         | -                                                                                | -         | 2.0         |
|                                | PWR%                            | (%)                  | -         | 100                                                                              | -         | 100         |
|                                | Tx Mode                         |                      | B/T/Power | -                                                                                | B/T/Power | B/T/Power   |
|                                | Wave Mode                       |                      | THUP(L)   | -                                                                                | THUP(L)   | THUP(L)     |
|                                | Frequency (B)                   |                      | Penet     | Reno                                                                             | -         | Penet Reno  |
|                                | Focus (B)                       |                      | F5        | -                                                                                | F4        | F4 F4       |
|                                | Scan's (B)                      | (%)                  | 100       | -                                                                                | 26        | -           |
|                                | Range                           | (cm)                 | 14.0      | -                                                                                | 2.0       | -           |
|                                | PRF Limit                       | (cm)                 | ON        | OFF                                                                              | -         | OFF OFF     |
| Operating control conditions   | Line Density                    |                      | Low       | Low                                                                              | Medium    | Medium      |
|                                | Flow Mode                       |                      | Flow      | eFlow                                                                            | Flow Flow | Flow Flow   |
|                                | Ref. Frequency (Color)          |                      | Reno      | Reno                                                                             | -         | Std Reno    |
|                                | Focus (Color)                   |                      | F5        | -                                                                                | F4        | -           |
|                                | Flow% (Color)                   | (%)                  | 100       | -                                                                                | 15        | -           |
|                                | Color Velocity Range            | (cm/s)               | 0.63      | -                                                                                | 32.06     | -           |
|                                | Packer Size                     |                      | Low       | Medium                                                                           | -         | Low High    |
|                                | Flow Area Depth                 | (cm)                 | 14.0      | -                                                                                | 2.0       | -           |
|                                | Color Line Density              |                      | 1         | -                                                                                | 2         | -           |
|                                | Pwr Mode                        |                      | PW        | PW                                                                               | -         | PW PW       |
|                                | High PRF                        |                      | OFF       | OFF                                                                              | OFF       | OFF         |
|                                | Ref. Frequency (D)              |                      | Reno      | Std                                                                              | Penet Std | Penet Std   |
|                                | Focus (D)                       |                      | F1        | -                                                                                | F1        | -           |
|                                | Doppler Velocity Range          | (cm/s)               | 6.23      | -                                                                                | 39.84     | -           |
|                                | Sample gate size                | (cm)                 | 0.1       | -                                                                                | 0.1       | -           |
|                                | Sample gate depth               | (cm)                 | 0.4       | -                                                                                | 0.0       | -           |
|                                | Triplex Frame Rate              |                      | Medium    | Medium                                                                           | -         | Medium      |
|                                | Triplex VCL Range               |                      | B/Fix     | B/Fix                                                                            | -         | B/Fix B/Fix |
|                                | Flow Area Lock                  |                      | OFF       | OFF                                                                              | -         | OFF OFF     |
|                                |                                 |                      |           |                                                                                  |           |             |

NOTE 1 Data should only be retained in row of the column related to TDS

NOTE 2 Information need not be provided regarding TTC for any transducers assembly not intended for transcranial or intracranial Doppler uses

NOTE 3 If the requirements of 20.11.4.3.2 are met, it is not required to enter any data in the column related to TTB, TTB or TTC.

NOTE 4 If the requirements of 20.11.4.3.2 are met, it is not required to enter any data in the column related to MT.

NOTE 1 Data should only be entered in one of the columns related to THE FLOW AFTER LOCK.

NOTE 1: Data should only be entered in one of the columns marked 1 to 3.

NOTE 2: Information need not be recorded regarding TIC for new transmitters unless v not intended for transmittal or secondary cathodic uses.

NOTE 3 If the measurements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TTS, TH, or TFC.

NOTE 4 If the requirements of 2011.2.4.2b) are met, it is not required to enter any data in the column related to M.

NOTE 5 Focal length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\sigma$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                        | MJ                   | Scan    | 7735        | 7718 | 77C        |
|--------------------------------|----------------------------------------|----------------------|---------|-------------|------|------------|
| Maximum Index Value            |                                        | 1.6                  | 0.46    | -           | -    | 0.62       |
| Associated acoustic parameters | $P_{r,a}$                              | (MPa)                | 3.8     | -           | -    | -          |
|                                | $P_r$                                  | (mW)                 | 17      | -           | -    | 19         |
|                                | Min of $[P_{r,a}], f_{w,a}, [f_{a,a}]$ | (mW)                 | -       | -           | -    | -          |
|                                | $f_a$                                  | (cm)                 | -       | -           | -    | -          |
|                                | $f_{w,a}$                              | (cm)                 | -       | -           | -    | -          |
|                                | $f_{a,a}$                              | (cm)                 | -       | -           | -    | -          |
|                                | $f$ at max. $f_{w,a}$                  | (cm)                 | 1.7     | -           | -    | -          |
|                                | $d_{a,a}, [f_{a,a}]$                   | (cm)                 | -       | -           | -    | -          |
|                                | $f_{w,a}$                              | (MHz)                | C5.76   | -           | -    | B-4.8, C-5 |
|                                | $f_{a,a}$                              | (cm)                 | C5.76   | B-5.9, C5.8 | -    | -          |
| Other                          | Dim of $f_{w,a}$                       | (cm)                 | 0.78    | -           | -    | 0.70       |
|                                | $f_{a,a}$                              | (cm)                 | 0.60    | -           | -    | 0.60       |
| Information                    | $f_a$                                  | (μsec)               | 0.29    | -           | -    | -          |
|                                | $f_{w,a}$                              | (Hz)                 | 3223    | -           | -    | -          |
|                                | $P_r$ at max. $f_{w,a}$                | (MPa)                | 5.2     | -           | -    | -          |
|                                | $f_{a,a}$ at max. $f_{w,a}$            | (cm)                 | -       | -           | -    | -          |
|                                | $f_{w,a}$ at max. $f_{w,a}$            | (W/cm <sup>2</sup> ) | 894     | -           | -    | -          |
|                                | $f_{a,a}$                              | (cm)                 | -       | -           | -    | -          |
|                                | $f_{w,a}$                              | (cm)                 | -       | -           | -    | -          |
|                                | $f_{a,a}$                              | (%)                  | 100     | -           | -    | -          |
|                                | $f_{w,a}$                              | (cm)                 | 0.47    | -           | -    | 0.18       |
|                                | $f_{a,a}$                              | (%)                  | 1.8     | -           | -    | 2.0        |
| Operating control conditions   | PWR%                                   | (%)                  | 100     | -           | -    | 100        |
|                                | TX Mode                                |                      | B/Flow  | B/Flow      | -    | B/Flow     |
|                                | Wave Mode                              |                      | TH(P.L) | TH(P.L)     | -    | TH(P.L)    |
|                                | Focus (B)                              |                      | Penet   | Remo        | -    | Penet      |
|                                | Focus (B)                              |                      | F1      | F3          | -    | F1         |
|                                | Scan# (B)                              |                      | 100     | 25          | -    | 25         |
|                                | Range                                  |                      | 14.0    | 2.0         | -    | 2.0        |
|                                | PRF Limit                              |                      | ON      | OFF         | -    | OFF        |
|                                | Line Density                           |                      | Low     | High        | -    | High       |
|                                | Flow Mode                              |                      | Flow    | Flow        | -    | Flow       |
| Flow Area Lock                 | Ref. Frequency (Color)                 |                      | Remo    | Remo        | -    | Std        |
|                                | Focus (Color)                          |                      | F5      | F2          | -    | F1         |
|                                | Plan#% (Color)                         |                      | 100     | 15          | -    | 15         |
|                                | Color Velocity Range                   | (cm/s)               | 0.63    | 53.13       | -    | 61.30      |
|                                | Picket Size                            |                      | Low     | High        | -    | High       |
|                                | Flow Arm Depth                         | (cm)                 | 14.0    | 2.0         | -    | 2.0        |
|                                | Color Line Density                     |                      | 1       | 3           | -    | 3          |
|                                | Pw Mode                                |                      | n/a     | n/a         | n/a  | n/a        |
|                                | High PRF                               |                      | n/a     | n/a         | n/a  | n/a        |
|                                | Ref. Frequency (D)                     |                      | n/a     | n/a         | n/a  | n/a        |
| Flow Area Lock                 | Focus (D)                              |                      | n/a     | n/a         | n/a  | n/a        |
|                                | Doppler Velocity Range                 | (cm/s)               | n/a     | n/a         | n/a  | n/a        |
|                                | Sample gate size                       | (cm)                 | n/a     | n/a         | n/a  | n/a        |
|                                | Sample gate depth                      | (cm)                 | n/a     | n/a         | n/a  | n/a        |
|                                | Triplex Frame Rate                     |                      | n/a     | n/a         | n/a  | n/a        |
|                                | Triplex VEL Range                      |                      | n/a     | n/a         | n/a  | n/a        |
|                                | Flow Area Lock                         |                      | n/a     | n/a         | n/a  | n/a        |

NOTE 1 Data should only be entered in one of the columns related to TDS

NOTE 2 Information need not be provided regarding TDS for any transducer element not intended for transducer or mounted capable uses

NOTE 3 If the measurements of 7735, 7718 or 77C are not required to enter any data in the columns related to TDS, TDS or TDS.

NOTE 4 Flow [cm/s] is a SCALAR, value

NOTE: Data should only be entered in one of the columns related to TIS

**NOTE 2:** Information need not be provided regarding TIO for any transaction assumed, or not intended for transactional or nonrecital capital assets.

NOTE 3 If the requirements of 201.12.4.3a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{pt}$                    | 37.14% |
| $D$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table

| Index label                                                | MT   | TIS     |                                               | TIB     | TIC     |
|------------------------------------------------------------|------|---------|-----------------------------------------------|---------|---------|
|                                                            |      | Scan    | Non-scan<br>$A_{\text{avg}} < 1 \text{ cm}^2$ |         |         |
| Maximum Index Value                                        | 1.2  | 0.61    | -                                             | 0.27    | 0.85    |
| $p_{\text{r,a}}$ (MPa)                                     | 3.0  |         |                                               |         |         |
| $P$ (mW)                                                   |      | 21      |                                               | 2.5     | 30      |
| Min of $[P_{\text{a}}(x,y), I_{\text{a,a}}(x,y)]$ (mW)     |      |         | -                                             |         |         |
| $I_{\text{a}}$ (cm)                                        |      |         | -                                             |         |         |
| $I_{\text{a}}$ (cm)                                        |      |         | -                                             |         |         |
| $I_{\text{a}}$ (cm)                                        |      |         | -                                             | 1.2     |         |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (cm)               | 1.7  |         |                                               |         |         |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (cm)               |      |         |                                               | 0.12    |         |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (cm)               |      |         |                                               | 6.2     | 6.2     |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (MHz)              | 6.7  | 6.2     | -                                             | -       | 0.48    |
| Dim of $A_{\text{avg}}$ X (cm)                             |      | 1.7     | -                                             | -       | 0.40    |
| Dim of $A_{\text{avg}}$ Y (cm)                             |      | 0.40    | -                                             | -       | 0.40    |
| $I_{\text{a}}$ (uasec)                                     | 0.18 |         |                                               |         |         |
| $I_{\text{a}}$ (Hz)                                        | 2751 |         |                                               |         |         |
| $p_{\text{r}}$ at max. $I_{\text{a}}$ (MPa)                | 4.3  |         |                                               |         |         |
| $I_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                 |      |         |                                               | 0.13    |         |
| $I_{\text{a}}$ at max. $I_{\text{a}}$ (W/cm <sup>2</sup> ) | 700  |         |                                               |         |         |
| $I_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                 |      | 1.2     | -                                             | -       | 1.2     |
| Focal Length FLx (cm)                                      |      | 1.5     | -                                             | -       | 1.5     |
| FLy (cm)                                                   |      |         |                                               |         |         |
| PWR% (%)                                                   | 100  | 100     | -                                             | 100     | 100     |
| Tx Mode                                                    | B/M  | B/M     | -                                             | B/M     | B/M     |
| Wave Mode                                                  | FND  | TH(P-1) | -                                             | TH(P-1) | TH(P-1) |
| Frequency (B)                                              | Sd   | Sd      | -                                             | Sd      | Sd      |
| Focus (B)                                                  | F4   | F3      | -                                             | F3      | F3      |
| Scan% (B)                                                  | 100  | 25      | -                                             | 25      | 25      |
| Range (cm)                                                 | 17.0 | 2.5     | -                                             | 2.5     | 2.5     |
| PRF Limit                                                  | ON   | OFF     | -                                             | OFF     | OFF     |
| Line Density                                               | Low  | Medium  | -                                             | Low     | High    |
| Flow Mode                                                  | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Ref. Frequency (Color)                                     | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Focus (Color)                                              | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Flow% (Color)                                              | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Color Velocity Range (cm/s)                                | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Packet Size                                                | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Flow Area Depth                                            | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Color Line Density                                         | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Pw Mode                                                    | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| High PRF                                                   | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Ref. Frequency (D)                                         | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Focus (D)                                                  | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Doppler Velocity Range (cm/s)                              | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Sample gate size (cm)                                      | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Sample gate depth (cm)                                     | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Triplex Frame Rate                                         | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Triplex VFL Range                                          | n/a  | n/a     | n/a                                           | n/a     | n/a     |
| Flow Area Lock                                             | n/a  | n/a     | n/a                                           | n/a     | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or noncranial cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{a}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TIS              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                                                | MT   | TIS  |                                               | TIB | TIC     |
|------------------------------------------------------------|------|------|-----------------------------------------------|-----|---------|
|                                                            |      | Scan | Non-scan<br>$A_{\text{avg}} < 1 \text{ cm}^2$ |     |         |
| Maximum Index Value                                        | 1.2  | 0.73 | -                                             | -   | 0.85    |
| $p_{\text{r,a}}$ (MPa)                                     | 3.0  |      |                                               |     |         |
| $P$ (mW)                                                   |      | 23   |                                               |     | 32      |
| Min of $[P_{\text{a}}(x,y), I_{\text{a,a}}(x,y)]$ (mW)     |      |      | -                                             |     |         |
| $I_{\text{a}}$ (cm)                                        |      |      | -                                             |     |         |
| $I_{\text{a}}$ (cm)                                        |      |      | -                                             |     |         |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (cm)               | 1.7  |      |                                               |     |         |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (cm)               |      |      |                                               |     |         |
| $I_{\text{a}}$ at max. $I_{\text{a,a}}$ (MHz)              | 6.7  | 6.7  | -                                             | -   | 6.2     |
| Dim of $A_{\text{avg}}$ X (cm)                             |      | 1.7  | -                                             | -   | 1.8     |
| Dim of $A_{\text{avg}}$ Y (cm)                             |      | 0.40 | -                                             | -   | 0.40    |
| $I_{\text{a}}$ (uasec)                                     | 0.18 |      |                                               |     |         |
| $I_{\text{a}}$ (Hz)                                        | 2646 |      |                                               |     |         |
| $p_{\text{r}}$ at max. $I_{\text{a}}$ (MPa)                | 4.3  |      |                                               |     |         |
| $I_{\text{a}}$ at max. $I_{\text{a}}$ (cm)                 |      |      |                                               |     |         |
| $I_{\text{a}}$ at max. $I_{\text{a}}$ (W/cm <sup>2</sup> ) | 700  |      |                                               |     |         |
| Focal Length FLx (cm)                                      |      | 1.2  | -                                             | -   | 1.2     |
| FLy (cm)                                                   |      | 1.9  | -                                             | -   | 1.5     |
| PWR% (%)                                                   | 100  | 100  | -                                             | -   | 100     |
| Tx Mode                                                    | B    | B    | -                                             | -   | B       |
| Wave Mode                                                  | FND  | FND  | -                                             | -   | TH(P-1) |
| Frequency (B)                                              | Sd   | Sd   | -                                             | -   | Sd      |
| Focus (B)                                                  | F4   | F3   | -                                             | -   | F3      |
| Scan% (B)                                                  | 100  | 25   | -                                             | -   | 25      |
| Range (cm)                                                 | 17.0 | 2.0  | -                                             | -   | 3.0     |
| PRF Limit                                                  | ON   | OFF  | -                                             | -   | OFF     |
| Line Density                                               | Low  | High | -                                             | -   | High    |
| Flow Mode                                                  | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Ref. Frequency (Color)                                     | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Focus (Color)                                              | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Flow% (Color)                                              | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Color Velocity Range (cm/s)                                | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Packet Size                                                | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Flow Area Depth                                            | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Color Line Density                                         | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Pw Mode                                                    | n/a  | n/a  | n/a                                           | n/a | n/a     |
| High PRF                                                   | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Ref. Frequency (D)                                         | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Focus (D)                                                  | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Doppler Velocity Range (cm/s)                              | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Sample gate size (cm)                                      | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Sample gate depth (cm)                                     | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Triplex Frame Rate                                         | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Triplex VFL Range                                          | n/a  | n/a  | n/a                                           | n/a | n/a     |
| Flow Area Lock                                             | n/a  | n/a  | n/a                                           | n/a | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or noncranial cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{a}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TIS              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                              | MT                   | Scan | TDS  | T1B   | TTC   |
|--------------------------------|----------------------------------------------|----------------------|------|------|-------|-------|
| Maximum Index Value            |                                              | 1.2                  | -    | 0.54 | 1.9   | 1.7   |
| Associated acoustic parameters | $P_{1,a}$                                    | (MPa)                | 2.9  | -    | -     | -     |
|                                | $P$                                          | (mW)                 | -    | -    | -     | 20    |
|                                | $\text{Min of } [P_a(x), f_{\text{res}}(x)]$ | (mW)                 | -    | 22   | -     | 20    |
|                                | $Z_a$                                        | (cm)                 | -    | -    | -     | -     |
|                                | $F_{\text{ge}}$                              | (cm)                 | -    | -    | -     | -     |
|                                | $F_{\text{g}}$                               | (cm)                 | -    | -    | -     | 0.43  |
|                                | $x$ at max $f_{\text{ge}}$                   | (cm)                 | 1.5  | -    | -     | -     |
|                                | $f_{\text{ge}}$                              | (cm)                 | -    | -    | -     | 0.21  |
|                                | $f_{\text{res}}$                             | (MHz)                | 5.8  | -    | 5.1   | 5.1   |
|                                | $\text{Dim of } A_{\text{opt}}$              | (cm)                 | -    | -    | 0.90  | 0.16  |
| Other                          | X                                            | (cm)                 | -    | 0.40 | -     | 0.40  |
|                                | Y                                            | (cm)                 | -    | -    | -     | -     |
|                                | $f_a$                                        | (qusec)              | 0.64 | -    | -     | -     |
|                                | $g_{\text{pr}}$                              | (Hz)                 | 930  | -    | -     | -     |
|                                | $P$ at max $f_a$                             | (MPa)                | 3.7  | -    | -     | -     |
|                                | $A_{\text{g}}$ at max $f_a$                  | (cm)                 | -    | -    | -     | 0.19  |
|                                | $f_{\text{res}}$ at max $MT$                 | (W/cm <sup>2</sup> ) | 574  | -    | -     | -     |
|                                | $F_{\text{focal length}}$                    | (cm)                 | -    | 2.9  | -     | 0.28  |
|                                | $F_{\text{Tx}}$                              | (cm)                 | -    | -    | -     | 1.5   |
|                                | $F_{\text{Ly}}$                              | (cm)                 | -    | -    | 1.5   | -     |
| Operating control conditions   | PMR%                                         | (%)                  | 100  | -    | 100   | 100   |
|                                | TX Mode                                      | Pwr                  | -    | Pwr  | -     | Pwr   |
|                                | Wave Mode                                    | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Frequency (B)                                | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Focus (B)                                    | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Search (B)                                   | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Range                                        | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | PRF Limit                                    | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Line Density                                 | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow Mode                                    | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Ref. Frequency (Color)                       | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Focus (Color)                                | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow's (Color)                               | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Color Velocity Range                         | (cm/s)               | n/a  | n/a  | n/a   | n/a   |
|                                | Packet Size                                  | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow Area Depth                              | (cm)                 | n/a  | n/a  | n/a   | n/a   |
|                                | Color Line Density                           | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Pwr Mode                                     | PW                   | -    | PW   | -     | PW    |
|                                | High PRF                                     | OFF                  | -    | OFF  | -     | OFF   |
|                                | Ref. Frequency (D)                           | n/a                  | -    | n/a  | -     | n/a   |
|                                | Focus (D)                                    | F4                   | -    | F6   | -     | F1    |
|                                | Doppler Velocity Range                       | (cm/s)               | 6.23 | -    | 88.54 | 79.69 |
|                                | Sample gate size                             | (cm)                 | 0.1  | 0.1  | -     | 0.1   |
|                                | Sample gate depth                            | (cm)                 | 1.6  | 2.6  | -     | 0.0   |
|                                | Triplets Frame Rate                          | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Triplets VFL Range                           | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow Area Lock                               | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow Area Lock                               | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow Area Lock                               | n/a                  | n/a  | n/a  | n/a   | n/a   |
|                                | Flow Area Lock                               | n/a                  | n/a  | n/a  | n/a   | n/a   |

NOTE 1 Data should only be entered if entered in one of the columns related to TBS

NOTE 2 Information need not be provided regarding TIC for any resources assembly not intended for transcranial or neonatal capsule use

NOTE 3 If the requirements of 201.12.4b are met, it is not required to enter any data in the columns related to TIS, TBS or TIC.

NOTE 4 If the requirements of 201.12.4b are met, it is not required to enter any data in the columns related to ME.

NOTE 1 Data should only be entered in one of the columns related to the

[illegible]

NOTE 2 If the measurements of 2011/2/3 are used, it is not possible to enter new data in this column related to 175 TBH or 170 TBH.

NOTE 4. If the measurements of 2011.2-4.2b are used, it is not required to enter any data in the columns related to ME

NOTE 5: Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\sigma$                    | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T/I              | 40% or 0.4, whichever larger |

Table 201.103 -- Acoustic output monitoring table

| Index label                    |                                                     | MT   | Scan | TIS                                                           | TIB      | TTC  |
|--------------------------------|-----------------------------------------------------|------|------|---------------------------------------------------------------|----------|------|
| Maximum Index Value            |                                                     | 1.2  |      |                                                               |          |      |
|                                |                                                     | 3.0  |      |                                                               |          |      |
| Associated acoustic parameters | $P_{\text{avg}}$                                    | (mW) | -    | $A_{\text{avg}} \times 10^{-11} \text{ W m}^{-2} \times 10^3$ | Non-scan | 0.47 |
|                                | $P_{\text{avg}}$                                    | (mW) | -    | 0.43                                                          | -        | 0.66 |
|                                | Min of $[P_{\text{avg}}(f_s) / f_{\text{bw}}(f_s)]$ | (mW) | -    | 15                                                            | -        | 7.7  |
|                                | $f_s$                                               | (cm) | -    | -                                                             | -        | 15   |
|                                | $f_{\text{bw}}$                                     | (cm) | -    | -                                                             | -        | -    |
|                                | $f_s$                                               | (cm) | -    | -                                                             | -        | 1.6  |
|                                | $f_{\text{bw}}$                                     | (cm) | -    | -                                                             | -        | -    |
|                                | $f_s$ at max. $f_{\text{bw}}$                       | (cm) | 1.7  | -                                                             | -        | -    |
|                                | $f_{\text{bw}}$                                     | (cm) | -    | -                                                             | -        | 0.13 |
|                                | $f_{\text{bw}}$                                     | (cm) | -    | -                                                             | -        | 6.2  |
| control                        | Dim of $A_{\text{avg}}$                             | (cm) | -    | 6.2                                                           | -        | 6.2  |
|                                | X                                                   | (cm) | -    | 1.2                                                           | -        | 0.64 |
| Other                          | Y                                                   | (cm) | -    | 0.40                                                          | -        | 0.40 |
|                                | $f_s$                                               | (Hz) | 0.18 | -                                                             | -        | 4.8  |
| Information                    | $f_{\text{bw}}$                                     | (Hz) | 1003 | -                                                             | -        | 1.5  |
|                                | $P_{\text{avg}}$                                    | (mW) | 4.3  | -                                                             | -        | 100  |
| Information                    | $P_{\text{avg}}$ at max. $f_{\text{bw}}$            | (mW) | 700  | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
| Information                    | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |
|                                | $f_{\text{bw}}$ at max. $f_{\text{bw}}$             | (cm) | -    | -                                                             | -        | 100  |

[illegible]

NOTE 1 Data should only be entered in one of the columns related to 125

NOTE 2: Information need not be provided regarding TIC for any therapeutic assembly not intended for transcranial or neonatal application.

NOTE 3 If the requirements of 201.12.A.2a are met, it is not required to enter any data in the columns related to 201.12.A.2b. With a maximum of 501,514 sq. ft. of floor area, the building is not subject to the requirements of 201.12.A.2b.

NOTE 5: For the requirements of 2011/2/2 and 2011/2/2 and 2011/2/2, it is not required to

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| 92               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                            | MT  | TIS  |          | TIB | TTC |
|----------------------------------------|-----|------|----------|-----|-----|
|                                        |     | Scan | Non-scan |     |     |
| Maximum Index Value                    | 1.2 | -    | 0.37     | 1.5 | 1.6 |
| $P_{i,a}$ (MPa)                        | 2.9 | -    | -        | -   | -   |
| $P$ (mW)                               | -   | -    | 15       | 16  | 24  |
| Min of $[P_{i,a}(t), I_{a,a}(t)]$ (mW) | -   | -    | -        | -   | -   |
| $I_a$ (cm)                             | -   | -    | -        | -   | -   |
| $I_b$ (cm)                             | -   | -    | -        | -   | -   |
| $I_c$ (cm)                             | -   | -    | -        | -   | -   |
| $I_d$ (cm)                             | -   | -    | -        | -   | -   |
| $I_e$ (cm)                             | -   | -    | -        | -   | -   |
| $I_f$ (cm)                             | -   | -    | -        | -   | -   |
| $I_g$ (cm)                             | -   | -    | -        | -   | -   |
| $I_h$ (cm)                             | -   | -    | -        | -   | -   |
| $I_i$ (cm)                             | -   | -    | -        | -   | -   |
| $I_j$ (cm)                             | -   | -    | -        | -   | -   |
| $I_k$ (cm)                             | -   | -    | -        | -   | -   |
| $I_l$ (cm)                             | -   | -    | -        | -   | -   |
| $I_m$ (cm)                             | -   | -    | -        | -   | -   |
| $I_n$ (cm)                             | -   | -    | -        | -   | -   |
| $I_o$ (cm)                             | -   | -    | -        | -   | -   |
| $I_p$ (cm)                             | -   | -    | -        | -   | -   |
| $I_q$ (cm)                             | -   | -    | -        | -   | -   |
| $I_r$ (cm)                             | -   | -    | -        | -   | -   |
| $I_s$ (cm)                             | -   | -    | -        | -   | -   |
| $I_t$ (cm)                             | -   | -    | -        | -   | -   |
| $I_u$ (cm)                             | -   | -    | -        | -   | -   |
| $I_v$ (cm)                             | -   | -    | -        | -   | -   |
| $I_w$ (cm)                             | -   | -    | -        | -   | -   |
| $I_x$ (cm)                             | -   | -    | -        | -   | -   |
| $I_y$ (cm)                             | -   | -    | -        | -   | -   |
| $I_z$ (cm)                             | -   | -    | -        | -   | -   |
| $I_{aa}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ab}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ac}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ad}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ae}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{af}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ag}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ah}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ai}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{aj}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ak}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{al}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{am}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{an}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ao}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ap}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{aq}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ar}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{as}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{at}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{au}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{av}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{aw}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ax}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{ay}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{az}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a1}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a2}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a3}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a4}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a5}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a6}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a7}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a8}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a9}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a0}$ (cm)                          | -   | -    | -        | -   | -   |
| $I_{a10}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a11}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a12}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a13}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a14}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a15}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a16}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a17}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a18}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a19}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a20}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a21}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a22}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a23}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a24}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a25}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a26}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a27}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a28}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a29}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a30}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a31}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a32}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a33}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a34}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a35}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a36}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a37}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a38}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a39}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a40}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a41}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a42}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a43}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a44}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a45}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a46}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a47}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a48}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a49}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a50}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a51}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a52}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a53}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a54}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a55}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a56}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a57}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a58}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a59}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a60}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a61}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a62}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a63}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a64}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a65}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a66}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a67}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a68}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a69}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a70}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a71}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a72}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a73}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a74}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a75}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a76}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a77}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a78}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a79}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a80}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a81}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a82}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a83}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a84}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a85}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a86}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a87}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a88}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a89}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a90}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a91}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a92}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a93}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a94}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a95}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a96}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a97}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a98}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a99}$ (cm)                         | -   | -    | -        | -   | -   |
| $I_{a100}$ (cm)                        | -   | -    | -        | -   | -   |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transducer or nonmetal capillary uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TTC

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MT

NOTE 5 Focal Length is a NOMINAL value

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_a$                       | 37.14% |
| $P_i$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                                                                       | MT  | TIS  |          | TIB | TTC  |
|-----------------------------------------------------------------------------------|-----|------|----------|-----|------|
|                                                                                   |     | Scan | Non-scan |     |      |
| $A_{\text{scan}} \leq 3 \text{ cm}^2 / \text{A}_{\text{non}} \leq 1 \text{ cm}^2$ |     |      |          |     |      |
| Maximum Index Value                                                               | 1.3 | -    | 0.74     | -   | 1.8  |
| $P_{i,a}$ (MPa)                                                                   | 3.3 | -    | -        | -   | -    |
| $P$ (mW)                                                                          | -   | -    | 23       | -   | 19   |
| Min of $[P_{i,a}(t), I_{a,a}(t)]$ (mW)                                            | -   | -    | -        | -   | -    |
| $I_a$ (cm)                                                                        | -   | -    | -        | -   | -    |
| $I_b$ (cm)                                                                        | -   | -    | -        | -   | -    |
| $I_c$ (cm)                                                                        | -   | -    | -        | -   | 0.43 |
| $I_d$ (cm)                                                                        | -   | -    | -        | -   | -    |
| $I_e$ at max. $I_{a,a}$ (cm)                                                      | 1.6 | -    | -        | -   | -    |
| $I_f$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_g$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_h$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_i$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_j$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_k$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_l$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_m$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_n$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_o$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_p$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_q$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_r$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_s$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_t$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_u$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_v$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_w$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_x$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_y$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_z$ at max. $I_{a,a}$ (cm)                                                      | -   | -    | -        | -   | -    |
| $I_{aa}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ab}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ac}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ad}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ae}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{af}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ag}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ah}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ai}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{aj}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ak}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{al}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{am}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{an}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ao}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ap}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{aq}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ar}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{as}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{at}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{au}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{av}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{aw}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ax}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{ay}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{az}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a1}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a2}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a3}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a4}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a5}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a6}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a7}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a8}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a9}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a0}$ at max. $I_{a,a}$ (cm)                                                   | -   | -    | -        | -   | -    |
| $I_{a10}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a11}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a12}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a13}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a14}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a15}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a16}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a17}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a18}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a19}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a20}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a21}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a22}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a23}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a24}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a25}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a26}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a27}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a28}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a29}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a30}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a31}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a32}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a33}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a34}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a35}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a36}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a37}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a38}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a39}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a40}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a41}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a42}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a43}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a44}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a45}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a46}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a47}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a48}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a49}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a50}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a51}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a52}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a53}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a54}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a55}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a56}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a57}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a58}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a59}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a60}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a61}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a62}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a63}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a64}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a65}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a66}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a67}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a68}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a69}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a70}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a71}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a72}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a73}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a74}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a75}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a76}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a77}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a78}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a79}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a80}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a81}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a82}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a83}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a84}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a85}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a86}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a87}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a88}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a89}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a90}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a91}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a92}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a93}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a94}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a95}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a96}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a97}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a98}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a99}$ at max. $I_{a,a}$ (cm)                                                  | -   | -    | -        | -   | -    |
| $I_{a100}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a101}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a102}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a103}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a104}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a105}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a106}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a107}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a108}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a109}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a110}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a111}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a112}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a113}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a114}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a115}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a116}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a117}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a118}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a119}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a120}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a121}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a122}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a123}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a124}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a125}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a126}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a127}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a128}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a129}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a130}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a131}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a132}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a133}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a134}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a135}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a136}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a137}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a138}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a139}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a140}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a141}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a142}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a143}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a144}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a145}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a146}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a147}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a148}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a149}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a150}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a151}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a152}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a153}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a154}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a155}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a156}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a157}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a158}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a159}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a160}$ at max. $I_{a,a}$ (cm)                                                 | -   | -    | -        | -   | -    |
| $I_{a161}$ at max. $I_{a,a}$ (cm)                                                 | -   |      |          |     |      |

| Index label                    |                               | MI                   | Scan         | TDS      | TTB          | TTC          |
|--------------------------------|-------------------------------|----------------------|--------------|----------|--------------|--------------|
| Maximum Index Value            |                               | 1.3                  | -            | 0.34     | -            | 1.7          |
| Associated acoustic parameters | $P_{r,a}$                     | (MPa)                | -            | -        | -            | -            |
|                                | $P$                           | (mW)                 | -            | 14       | -            | 18           |
|                                | Min of $[P_a(x), I_{iso}(x)]$ | (mW)                 | -            | -        | -            | 23           |
|                                | $F_a$                         | (cm)                 | -            | -        | -            | -            |
|                                | $F_{iso}$                     | (cm)                 | -            | -        | -            | -            |
|                                | $\mu$ at max. $I_{iso}$       | (cm)                 | -            | -        | -            | 0.43         |
|                                | $\mu$ at max. $I_{iso}$       | (cm)                 | 1.6          | -        | -            | -            |
|                                | $f_{iso}(x)$                  | (cm)                 | -            | -        | -            | 0.21         |
|                                | $f_{iso}$                     | (MHz)                | C6.73        | -        | D5.11        | -            |
|                                | Dim of $I_{iso}$              | X<br>Y               | (cm)<br>(cm) | -<br>-   | 0.16<br>0.40 | 0.16<br>0.40 |
| Other information              | $I_a$                         | (uac)                | 0.22         | -        | -            | -            |
|                                | $\mu_{err}$                   | (Hz)                 | 10760        | -        | -            | -            |
|                                | $\mu$ at max. $I_{iso}$       | (MPa)                | 4.4          | -        | -            | -            |
|                                | $\mu_{iso}$ at max. $I_{iso}$ | (cm)                 | -            | -        | -            | 0.19         |
|                                | $\mu_{iso}$ at max. $MI$      | (W/cm <sup>2</sup> ) | 699          | -        | -            | -            |
|                                | $F_{iso}$ at max. $MI$        | (cm)                 | -            | 0.28     | -            | 0.28         |
|                                | $F_{iso}$ at max. $MI$        | (cm)                 | -            | 1.5      | -            | 1.5          |
|                                | PWR%                          | (%)                  | 100          | -        | -            | 100          |
|                                | TX Mode                       | RP/Power             | -            | RP/Power | -            | RP/Power     |
|                                | Wave Mode                     | TH(0-1)              | -            | TH(0-1)  | -            | TH(0-1)      |
| Operating control conditions   | Frequency (B)                 | Sid                  | -            | Sid      | -            | Sid          |
|                                | Focus (B)                     | F1                   | -            | F2       | -            | F3           |
|                                | Scans (B)                     | 27                   | -            | 27       | -            | 27           |
|                                | Range                         | 2.0                  | -            | 2.5      | -            | 2.0          |
|                                | PRF Limit                     | OFF                  | -            | OFF      | -            | OFF          |
|                                | Line Density                  | Low                  | -            | Low      | -            | Low          |
|                                | Flow Mode                     | Flow                 | -            | Flow     | -            | Flow         |
|                                | Ref. Frequency (Color)        | Xeno                 | -            | Xeno     | -            | Xeno         |
|                                | Focus (Color)                 | F4                   | -            | F5       | -            | F1           |
|                                | Flow% (Color)                 | 15                   | -            | 15       | -            | 15           |
| Flow Area                      | Color Velocity Range          | 39.84                | -            | 27.17    | -            | 75.89        |
|                                | Packet Size                   | Low                  | -            | Medium   | -            | Low          |
|                                | Flow Area Depth               | 2.0                  | -            | 2.5      | -            | 2.0          |
|                                | Color Line Density            | 1                    | -            | 2        | -            | 1            |
|                                | Pw Mode                       | PW                   | -            | PW       | -            | PW           |
|                                | High PRF                      | OFF                  | -            | OFF      | -            | OFF          |
|                                | Ref. Frequency (D)            | Sid                  | -            | Sid      | -            | Sid          |
|                                | Focus (D)                     | F1                   | -            | F1       | -            | F1           |
|                                | Doppler Velocity Range        | 88.54                | -            | 79.69    | -            | 88.54        |
|                                | Sample gate size              | (cm)                 | 0.1          | -        | 0.1          | -            |
| Flow Area Lock                 | Sample gate depth             | (cm)                 | 0.0          | -        | 0.0          | -            |
|                                | Triplets Frame Rate           | Medium               | -            | Medium   | -            | Medium       |
|                                | Triplets VHL Range            | BFix                 | -            | BFix     | -            | BFix         |
|                                | Flow Area Lock                | OFF                  | -            | OFF      | -            | OFF          |

NOTE 1: Data should only be entered in one of the columns related to TDS

NOTE 2: Information need not be provided regarding TIC for any measurement unless intended for transcranial or neonatal cephalic uses

NOTE 3: If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TDS, TTB or TTC.

NOTE 4: If the requirements of 201.12.4.3 are met, it is not required to enter any data in the column related to MI.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\alpha$                    | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MJ               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

| Index label                    |                                               | MI       | Scan     | TIS                    | TIB      | TTC    |           |
|--------------------------------|-----------------------------------------------|----------|----------|------------------------|----------|--------|-----------|
| Maximum Index Value            |                                               | 1.3      | 0.85     | $A_{eq}<10\text{cm}^2$ | Non-scan |        |           |
| Associated acoustic parameters | $P_{r,a}$                                     | (MPa)    | 3.3      | -                      | -        | 1.0    |           |
|                                | $P_{r,s}$                                     | (mW)     | 27       | -                      | -        | 35     |           |
|                                | Min of $[P_{r,a}, P_{r,s}, I_{R,a}, I_{R,s}]$ | (mW)     | -        | -                      | -        | -      |           |
|                                | $F_{R,a}$                                     | (cm)     | -        | -                      | -        | -      |           |
|                                | $F_{R,s}$                                     | (cm)     | -        | -                      | -        | -      |           |
|                                | $F_{R,a}$ at max. $I_{R,a}$                   | (cm)     | 1.6      | -                      | -        | -      |           |
|                                | $F_{R,s}$ at max. $I_{R,s}$                   | (cm)     | -        | -                      | -        | -      |           |
|                                | $I_{R,a}$ at max. $F_{R,a}$                   | (mW)     | -        | -                      | -        | -      |           |
|                                | $I_{R,s}$ at max. $F_{R,s}$                   | (mW)     | -        | -                      | -        | -      |           |
|                                | Min of $[I_{R,a}, I_{R,s}, F_{R,a}, F_{R,s}]$ | (mW)     | C<6.73   | B<6.1,C<6.7            | -        | -      | B<6,C<5.2 |
| Other                          | Dim of $A_{eq}$                               | (cm)     | 1.3      | -                      | -        | 1.3    |           |
|                                | X                                             | (cm)     | -        | -                      | -        | -      |           |
|                                | Y                                             | (cm)     | 0.40     | -                      | -        | 0.40   |           |
|                                | $I_a$                                         | (uW)     | 0.22     | -                      | -        | -      |           |
|                                | freq                                          | (Hz)     | 10400    | -                      | -        | -      |           |
|                                | $P_r$ at max. $I_{R,a}$                       | (MPa)    | 4.4      | -                      | -        | -      |           |
|                                | $P_r$ at max. $I_{R,s}$                       | (mW)     | -        | -                      | -        | -      |           |
|                                | $F_{R,a}$ at max. $I_{R,a}$                   | (cm)     | -        | -                      | -        | -      |           |
|                                | $F_{R,s}$ at max. $I_{R,s}$                   | (cm)     | 699      | -                      | -        | -      |           |
|                                | Focus Length                                  | (cm)     | -        | -                      | -        | -      |           |
| Information                    | $F_{FL,a}$                                    | (cm)     | 1.6      | -                      | -        | 0.96   |           |
|                                | $F_{FL,s}$                                    | (cm)     | 1.7      | -                      | -        | 1.5    |           |
|                                | $F_{FL,y}$                                    | (cm)     | -        | -                      | -        | -      |           |
|                                | PRR%                                          | (%)      | 100      | 100                    | -        | -      | 100       |
|                                | Tx Mode                                       | B/Flow   | B/Flow   | -                      | -        | -      | B/Flow    |
|                                | Wave Mode                                     | THQ(P.L) | THQ(P.L) | -                      | -        | -      | THQ(P.L)  |
|                                | Frequency (B)                                 | Sid      | Sid      | -                      | -        | -      | Sid       |
|                                | Focus (B)                                     | F1       | F1       | -                      | -        | -      | F2        |
|                                | Scan% (B)                                     | 25       | 25       | -                      | -        | -      | 25        |
|                                | Range                                         | 2.0      | 2.0      | -                      | -        | -      | 2.0       |
| Operating control conditions   | PRF Limit                                     | OFF      | OFF      | -                      | -        | OFF    |           |
|                                | Line Density                                  | Low      | High     | -                      | -        | Low    |           |
|                                | Flow Mode                                     | Flow     | Flow     | -                      | -        | aFlow  |           |
|                                | Ref. Frequency (Color)                        | Reso     | Reso     | -                      | -        | Preset |           |
|                                | Focus (Color)                                 | P4       | P4       | -                      | -        | F3     |           |
|                                | Flow% (Color)                                 | 15       | 15       | -                      | -        | 15     |           |
|                                | Color Velocity Range                          | 53.12    | 53.12    | -                      | -        | 33.20  |           |
|                                | Picket Size                                   | Low      | High     | -                      | -        | Low    |           |
|                                | Flow Area Depth                               | 2.0      | 2.0      | -                      | -        | 2.0    |           |
|                                | Color Line Density                            | 1        | 3        | -                      | -        | 1      |           |
| Flow Area Lock                 | PR Mode                                       | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | High PRF                                      | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Ref. Frequency (D)                            | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Focus (D)                                     | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Doppler Velocity Range                        | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Sample gate size                              | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Sample gate depth                             | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Triplets Frame Rate                           | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Triplets VFL Range                            | n/a      | n/a      | n/a                    | n/a      | n/a    |           |
|                                | Flow Area Lock                                | n/a      | n/a      | n/a                    | n/a      | n/a    |           |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information should not be provided regarding TIC for any transducer/element not intended for transcranial or neonatal cephalic use

NOTE 3: If the requirements of 201:12A.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4: If the requirements of 201:12A.2b are met, it is not required to enter any data in the columns related to ME.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any TRANSUCER ASSEMBLY not intended for transcranial or neonatal cephalo uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TIB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Fiscal month is a MONTHAL value.

**THE UNIVERSITY OF CHICAGO PRESS**

ARIETTA 50

L64 Linear

Acoustic power is controllable by the user.

| Parameter              | Mode     | B <sub>y</sub> | B <sub>max</sub> | M       | D <sub>y</sub> | D <sub>max</sub> | (M+Color)p | (M+Color)lpa | (B+D) <sub>y</sub> | (B+D) <sub>max</sub> | (B+Color)p | (B+Color)lpa | (B+Color-D)p | (B+Color-D)lpa |
|------------------------|----------|----------------|------------------|---------|----------------|------------------|------------|--------------|--------------------|----------------------|------------|--------------|--------------|----------------|
| Maximum power          | (mW)     | 12             | 16               | 5.7     | 7.8            | 7.7              | 7.3        | 8.4          | 3.0                | 11                   | 5.8        | 15           | 2.3          | 9.3            |
| p <sub>r</sub>         | (MPa)    | 5.4            | 3.8              | 5.4     | 5.1            | 1.7              | 5.3        | 3.5          | 5.4                | 1.9                  | 5.4        | 4.4          | 5.4          | 4.7            |
| T <sub>90</sub>        | (mW/cm²) | 74             | 128              | 34      | 56             | 55               | 52         | 60           | 48                 | 64                   | 80         | 179          | 50           | 66             |
| T <sub>100</sub>       | (mW/cm²) | 26             | 149              | 528     | 942            | 1058             | 895        | 1060         | 113                | 1042                 | 13         | 202          | 123          | 1035           |
| PWR2%                  | (%)      | 100            | 100              | 100     | 100            | 100              | 100        | 100          | 100                | 100                  | 100        | 100          | 100          | 100            |
| Tx Mode                | THIRP.L  | B              | B                | M       | Pw             | Pw               | MFlow      | MFlow        | B/Pw               | B/Pw                 | B/Flow     | B/Flow       | B/Flow/Pw    | B/Flow/Pw      |
| Wave Mode              | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Frequency (B)          | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Focus (B)              | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Scatd (B)              | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Range                  | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| PRF Limit              | (%)      | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Line Density           | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Flow Mode              | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Ref. Frequency (Color) | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Focus (Color)          | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Flow% (Color)          | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Color Velocity Range   | (cm/s)   | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Pocket Size            | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Flow Area Depth        | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Color Line Density     | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Pw Mode                | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| High PRF               | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Ref. Frequency (D)     | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Focus (D)              | THIRP.L  | THIRP.L        | THIRP.L          | THIRP.L | THIRP.L        | THIRP.L          | THIRP.L    | THIRP.L      | THIRP.L            | THIRP.L              | THIRP.L    | THIRP.L      | THIRP.L      | THIRP.L        |
| Doppler Velocity Range | (cm/s)   | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Sample gate size       | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Sample gate depth      | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Triplex Frame Rate     | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Triplex VSL Range      | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| Flow Area Lock         | (cm)     | 100            | 25               | 14.0    | 14.0           | 14.0             | 14.0       | 14.0         | 14.0               | 14.0                 | 14.0       | 14.0         | 14.0         | 14.0           |
| F <sub>1</sub>         | (mm)     | 14             | 11               | 14      | 14             | 14               | 14         | 14           | 14                 | 14                   | 14         | 14           | 14           | 14             |
| F <sub>2</sub>         | (mm)     | 1.1            | 1.0              | 1.1     | 1.0            | 1.0              | 1.0        | 1.0          | 1.1                | 1.0                  | 1.1        | 1.3          | 1.1          | 1.0            |
| F <sub>3</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>4</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>5</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>6</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>7</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>8</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>9</sub>         | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>10</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>11</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>12</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>13</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>14</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>15</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>16</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>17</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>18</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>19</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>20</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>21</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>22</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>23</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>24</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>25</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>26</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>27</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>28</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>29</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>30</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>31</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>32</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>33</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>34</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>35</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>36</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>37</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>38</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>39</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>40</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>41</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>42</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>43</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>44</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>45</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>46</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>47</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>48</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>49</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>50</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>51</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>52</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>53</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>54</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>55</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>56</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>57</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>58</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>59</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>60</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>61</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9            |
| F <sub>62</sub>        | (mm)     | 1.0            | 0.9              | 1.0     | 0.9            | 0.9              | 0.9        | 0.9          | 1.0                | 0.9                  | 1.0        | 0.8          | 1.0          | 0.9</          |









Table 201.103 – Acoustic output reporting table

|                                | Index label                                                                 | MI                   | TIS  |                                                                     | TIB  | TIC   |
|--------------------------------|-----------------------------------------------------------------------------|----------------------|------|---------------------------------------------------------------------|------|-------|
|                                |                                                                             |                      | Scan | $A_{\text{max}}/\text{Scan}^{-1} A_{\text{min}} > 1 \text{cm}^{-1}$ |      |       |
| Associated acoustic parameters | Maximum Index Value                                                         | 1.4                  | -    | 0.41                                                                | 1.3  | 1.3   |
|                                | $P_{r,a}$                                                                   | (MPa)                | 4.0  | -                                                                   | -    | -     |
|                                | $P$                                                                         | (mW)                 | -    | 11                                                                  | 12   | 12    |
|                                | Min of $[P_{r,a}, f_{\text{r}}, f_{\text{a}}, f_{\text{sc}}, f_{\text{a}}]$ | (mW)                 | -    | -                                                                   | -    | -     |
|                                | $F_{\text{r}}$                                                              | (cm)                 | -    | -                                                                   | -    | -     |
|                                | $F_{\text{sc}}$                                                             | (cm)                 | -    | -                                                                   | -    | -     |
|                                | $F_{\text{a}}$                                                              | (cm)                 | -    | -                                                                   | 0.73 | -     |
|                                | $F$ at max. $f_{\text{sc}}$                                                 | (cm)                 | 1.3  | -                                                                   | -    | -     |
|                                | $f_{\text{a}}(f_{\text{r}})$                                                | (cm)                 | -    | -                                                                   | 0.15 | -     |
|                                | $f_{\text{a}}(f_{\text{a}})$                                                | (cm)                 | -    | -                                                                   | -    | -     |
| Other                          | Dim of $A_{\text{opt}}$                                                     | 8.3                  | -    | 8.3                                                                 | -    | 5.8   |
|                                | X                                                                           | (cm)                 | -    | 0.68                                                                | -    | 0.20  |
|                                | Y                                                                           | (cm)                 | -    | 0.35                                                                | -    | 0.35  |
|                                | $I_{\text{a}}$                                                              | (uac)                | 0.18 | -                                                                   | -    | -     |
|                                | $p_{\text{rr}}$                                                             | (Hz)                 | 2604 | -                                                                   | -    | -     |
|                                | $p_{\text{r}}$ at max. $f_{\text{a}}$                                       | (MPa)                | 5.3  | -                                                                   | -    | -     |
|                                | $f_{\text{a}}$ at max. $p_{\text{r}}$                                       | (cm)                 | -    | -                                                                   | -    | -     |
|                                | $f_{\text{sc}}$ at max. $p_{\text{r}}$                                      | (W/cm <sup>2</sup> ) | 931  | -                                                                   | 3.6  | -     |
|                                | $F_{\text{r}}$ at max. $f_{\text{a}}$                                       | (cm)                 | -    | -                                                                   | -    | 0.18  |
|                                | $F_{\text{a}}$ at max. $f_{\text{a}}$                                       | (cm)                 | -    | -                                                                   | -    | 0.90  |
| Information                    | $p_{\text{rr}}\%$                                                           | (%)                  | 100  | 100                                                                 | -    | 100   |
|                                | Tx Mode                                                                     | MFlow                | -    | MFlow                                                               | -    | MFlow |
|                                | Wave Mode                                                                   | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Frequency (B)                                                               | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Focus (B)                                                                   | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Scan's (B)                                                                  | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Range                                                                       | (%)                  | -    | -                                                                   | -    | -     |
|                                | PRF Limit                                                                   | (cm)                 | 14.0 | -                                                                   | 14.0 | -     |
|                                | Line Density                                                                | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Flow Mode                                                                   | Flow                 | Flow | -                                                                   | Flow | -     |
| Operating control conditions   | Ref. Frequency (Color)                                                      | Reso                 | -    | Reso                                                                | -    | Reso  |
|                                | Focus (Color)                                                               | F4                   | -    | F7                                                                  | -    | F2    |
|                                | Flow's (Color)                                                              | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Color Velocity Range                                                        | 12.45                | -    | 44.27                                                               | -    | 36.22 |
|                                | Picket Size                                                                 | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Flow Area Depth                                                             | (cm)                 | 14.0 | -                                                                   | 14.0 | -     |
|                                | Color Line Density                                                          | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Pw Mode                                                                     | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | High PRF                                                                    | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Ref. Frequency (D)                                                          | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
| Information                    | Focus (D)                                                                   | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Doppler Velocity Range                                                      | (cm/s)               | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Sample gate size                                                            | (cm)                 | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Sample gate length                                                          | (cm)                 | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Sample gate depth                                                           | (cm)                 | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Triplets Frame Rate                                                         | (cm)                 | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Triplets VFL Range                                                          | (cm)                 | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Flow Area Lock                                                              | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |
|                                | Flow Area Lock                                                              | n/a                  | n/a  | n/a                                                                 | n/a  | n/a   |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any "Transducer assembly" not intended for transverse or isothermal area

NOTE 3: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MI.

NOTE 5 Focal Length is a NOMINAL value

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table

|                                | Index label                                      | MI                   | TIS      |          | TTB      | TTC        |
|--------------------------------|--------------------------------------------------|----------------------|----------|----------|----------|------------|
|                                |                                                  |                      | Scan     | Non-scan |          |            |
| Maximum Index Value            |                                                  | 1.6                  | -        | 0.28     | -        | 1.3        |
| Associated acoustic parameters | $P_{\text{a}}$                                   | (MPa)                | -        | -        | -        | -          |
|                                | $P$                                              | (mW)                 | -        | -        | -        | -          |
|                                | Min of $[P_{\text{a}}(x), I_{\text{max}}(x, z)]$ | (mW)                 | -        | 7.2      | 10       | 13         |
|                                | $F_{\text{a}}$                                   | (cm)                 | -        | -        | -        | -          |
|                                | $F_{\text{ap}}$                                  | (cm)                 | -        | -        | -        | -          |
|                                | $z$ at max. $I_{\text{p}, \text{a}}$             | (cm)                 | -        | -        | 0.79     | -          |
|                                | $d_{\text{a}}(x, z)$                             | (cm)                 | 1.3      | -        | -        | -          |
|                                | $f_{\text{ad}}$                                  | (MHz)                | B-6.88   | -        | D-6.71   | C-5.12-5.8 |
|                                | Dim of $A_{\text{opt}}$                          | (cm)                 | -        | 0.12     | -        | 0.20       |
|                                |                                                  | (cm)                 | -        | 0.35     | -        | 0.35       |
| Other                          | $t_{\text{a}}$                                   | (μsec)               | 0.18     | -        | -        | -          |
|                                | $f_{\text{arr}}$                                 | (Hz)                 | 1326     | -        | -        | -          |
|                                | $P$ at max. $I_{\text{p}, \text{a}}$             | (MPa)                | 5.4      | -        | -        | -          |
|                                | $d_{\text{a}}$ at max. $I_{\text{p}, \text{a}}$  | (cm)                 | -        | -        | -        | -          |
|                                | $I_{\text{p}, \text{a}}$ at max. MI              | (W/cm <sup>2</sup> ) | 765      | -        | -        | -          |
|                                | $F_{\text{Lx}}$                                  | (cm)                 | -        | -        | -        | -          |
|                                | $F_{\text{Ly}}$                                  | (cm)                 | -        | -        | -        | -          |
|                                | PWR%                                             | (%)                  | 100      | -        | 100      | 100        |
|                                | Tx Mode                                          |                      | BuFlowPw | BuFlowPw | BuFlowPw | BuFlowPw   |
|                                | Wave Mode                                        |                      | THuP(L)  | THuP(L)  | THuP(L)  | PND        |
| Operating control conditions   | Frequency (B)                                    |                      | Reso     | Reso     | Std      | Std        |
|                                | Focus (B)                                        |                      | F4       | F2       | F1       | F2         |
|                                | Scan's (B)                                       | (%)                  | 100      | 26       | 26       | 26         |
|                                | Range                                            | (cm)                 | 14.0     | 2.0      | 14.0     | 2.0        |
|                                | PRF Limit                                        |                      | ON       | OFF      | OFF      | OFF        |
|                                | Line Density                                     |                      | Low      | Low      | Low      | Low        |
|                                | Flow Mode                                        |                      | Flow     | eFlow    | eFlow    | Flow       |
|                                | Ref. Frequency (Color)                           |                      | Reso     | Reso     | Reso     | PRst       |
|                                | Focus (Color)                                    |                      | F1       | F4       | F4       | F8         |
|                                | Flow's (Color)                                   | (%)                  | 100      | 15       | 15       | 15         |
|                                | Color Velocity Range                             | (cm/s)               | 0.63     | 24.71    | 16.60    | 40.80      |
|                                | Picket Size                                      |                      | Low      | Low      | Low      | Medium     |
|                                | Flow Area Depth                                  | (cm)                 | 14.0     | 2.0      | 14.0     | 2.0        |
|                                | Color Line Density                               |                      | 1        | 1        | 1        | 2          |
|                                | Pw Mode                                          |                      | PW       | PW       | PW       | PW         |
|                                | High PRF                                         |                      | OFF      | OFF      | OFF      | OFF        |
|                                | Ref. Frequency (D)                               |                      | Reso     | Reso     | Std      | PRst       |
|                                | Focus (D)                                        |                      | F1       | F1       | F2       | F1         |
|                                | Doppler Velocity Range                           | (cm/s)               | 6.23     | 72.44    | 28.46    | 99.61      |
|                                | Sample gate size                                 | (cm)                 | 0.1      | 0.1      | 0.1      | 0.1        |
|                                | Sample gate depth                                | (cm)                 | 0.4      | 0.0      | -        | 0.6        |
|                                | Triplets Frame Rate                              |                      | Medium   | Medium   | Medium   | Medium     |
|                                | Triplets VSL Range                               |                      | BFlx     | BFlx     | BFlx     | BFlx       |
|                                | Flow Area Lock                                   |                      | OFF      | OFF      | OFF      | OFF        |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transducer currently not intended for transcranial or neonatal applications

NOTE 3: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to TIS, TTB or TIC.

NOTE 4: If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to MI.

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 1: Data reported only on animals in one of two treatment regimens (1.02

NOTE 2: Information need not be provided regarding IAC for any nonacademic assignment not intended for evaluation or assessment purposes.

NOTE 4 If the measurements of 201.2 & 203 are met, it is not required to enter any data in the column related to ME.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |         |
|-----------------------------|---------|
| $p$                         | 25.00%  |
| $I_H$                       | 37.14%  |
|                             | 9.87524 |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                        | MJ                   | TIC3         |              | TITB   | TTC          |
|--------------------------------|----------------------------------------|----------------------|--------------|--------------|--------|--------------|
| Maximum Index Values           |                                        | 1.6                  | 0.55         | -            | -      | 0.73         |
| Associated acoustic parameters | $P_{r,a}$                              | (MPa)                | 4.2          | -            | -      | -            |
|                                | $P_r$                                  | (mW)                 | -            | -            | -      | -            |
|                                | Min of [ $P_{r,a}(r_a), I_{wa}(r_a)$ ] | (mW)                 | 20           | -            | -      | 20           |
|                                | $F_a$                                  | (cm)                 | -            | -            | -      | -            |
|                                | $F_{wa}$                               | (cm)                 | -            | -            | -      | -            |
|                                | $r_a$ at max. $I_{wa}$                 | (cm)                 | 1.3          | -            | -      | -            |
|                                | $r_{wa}$                               | (cm)                 | -            | -            | -      | -            |
|                                | $f_{wa}(r_a)$                          | (MHz)                | -            | -            | -      | -            |
|                                | $f_{wa}$                               | (MHz)                | B-6.88       | B-6.1, C-5.8 | -      | B-6.1, C-5.8 |
|                                | Dim of $A_{sen}$                       | X<br>Y               | (cm)<br>(cm) | 1.0<br>0.35  | -<br>- | -<br>-       |
| Other                          | $I_d$                                  | (μsec)               | 0.18         | -            | -      | -            |
|                                | $f_{err}$                              | (Hz)                 | 4167         | -            | -      | -            |
| Information                    | $P_r$ at max. $I_d$                    | (MPa)                | 5.4          | -            | -      | -            |
|                                | $A_{wa}$ at max. $I_d$                 | (cm)                 | -            | -            | -      | -            |
|                                | $f_{wa}$ at max. $MJ$                  | (W/cm <sup>2</sup> ) | 765          | -            | -      | -            |
|                                | $f_{wa}$                               | (cm)                 | -            | -            | -      | -            |
|                                | $F_{FLx}$                              | (cm)                 | 0.47         | -            | -      | 0.47         |
|                                | $F_{FLy}$                              | (cm)                 | 1.1          | -            | -      | 1.1          |
|                                | PWR%                                   | (%)                  | 100          | 100          | -      | 100          |
|                                | TS Mode                                | (%)                  | B/Flow       | B/Flow       | -      | B/Flow       |
|                                | Wave Mode                              | (%)                  | THUP (L)     | THUP (L)     | -      | THUP (L)     |
|                                | Frequency (H)                          | (Hz)                 | Reso         | Std          | -      | Std          |
| Operating control conditions   | Focus (H)                              | (cm)                 | F4           | F1           | -      | F1           |
|                                | Scan# (H)                              | (%)                  | 100          | 25           | -      | 25           |
|                                | Range                                  | (cm)                 | 14.0         | 2.5          | -      | 2.5          |
|                                | PRF Limit                              | (cm)                 | ON           | OFF          | -      | OFF          |
|                                | Line Density                           | (cm)                 | Low          | Low          | -      | Low          |
|                                | Flow Mode                              | (cm)                 | Flow         | eFlow        | -      | eFlow        |
|                                | Ref. Frequency (Color)                 | (Color)              | Reso         | Prmet        | -      | Prmet        |
|                                | Focus (Color)                          | (Color)              | F1           | F2           | -      | F2           |
|                                | Flow# (Color)                          | (Color)              | 100          | 15           | -      | 15           |
|                                | Color Velocity Range                   | (cm/s)               | 0.63         | 36.64        | -      | 36.64        |
| Flow Area Lock                 | Packet Size                            | (cm)                 | Low          | Low          | -      | Low          |
|                                | Flow Area Depth                        | (cm)                 | 14.0         | 2.5          | -      | 2.5          |
|                                | Color Line Density                     | (cm)                 | 1            | 1            | -      | 1            |
|                                | Pw Mode                                | (cm)                 | n/a          | n/a          | -      | n/a          |
|                                | High PRF                               | (cm)                 | n/a          | n/a          | -      | n/a          |
|                                | Ref. Frequency (D)                     | (D)                  | n/a          | n/a          | -      | n/a          |
|                                | Focus (D)                              | (D)                  | n/a          | n/a          | -      | n/a          |
|                                | Doppler Velocity Range                 | (cm/s)               | n/a          | n/a          | -      | n/a          |
|                                | Sample gate size                       | (cm)                 | n/a          | n/a          | -      | n/a          |
|                                | Sample gate depth                      | (cm)                 | n/a          | n/a          | -      | n/a          |
| Triplets Rate                  | (cm)                                   | n/a                  | n/a          | -            | n/a    |              |
| Triplets VHI Range             | (cm)                                   | n/a                  | n/a          | -            | n/a    |              |
| Flow Area Lock                 | (cm)                                   | n/a                  | n/a          | -            | n/a    |              |

NOTE 1: Data should only be entered in one of the columns related to TIC.

NOTE 2: Information need not be provided regarding TIC for any "transient" assembly not intended for "transient" capable use.

NOTE 3: If the requirements of 201.15.4.2b are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 4: If the requirements of 201.15.4.2c are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 5: If the requirements of 201.15.4.2d are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 6: If the requirements of 201.15.4.2e are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 7: If the requirements of 201.15.4.2f are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 8: If the requirements of 201.15.4.2g are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 9: If the requirements of 201.15.4.2h are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 10: If the requirements of 201.15.4.2i are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 11: If the requirements of 201.15.4.2j are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 12: If the requirements of 201.15.4.2k are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 13: If the requirements of 201.15.4.2l are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 14: If the requirements of 201.15.4.2m are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 15: If the requirements of 201.15.4.2n are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 16: If the requirements of 201.15.4.2o are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 17: If the requirements of 201.15.4.2p are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 18: If the requirements of 201.15.4.2q are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 19: If the requirements of 201.15.4.2r are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 20: If the requirements of 201.15.4.2s are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 21: If the requirements of 201.15.4.2t are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 22: If the requirements of 201.15.4.2u are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 23: If the requirements of 201.15.4.2v are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 24: If the requirements of 201.15.4.2w are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 25: If the requirements of 201.15.4.2x are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 26: If the requirements of 201.15.4.2y are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 27: If the requirements of 201.15.4.2z are met, it is not required to enter any data in the column related to TIC, TIB or TTD.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2. Information need not be provided regarding TIC for any transaction assuming not intended for transactional or nonrecital capital use.

NOTE 3 If the requirements of 201.12.A.2a are met, it is not required to enter any data in the columns related to TSS, TSS or TIC.

**NOTE 4** If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $p$                         |
| $I_{\text{eff}}$            |
| $n$                         |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

## ARIETTA 50

## Linear

Acoustic power is controllable by the user

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

| parameter                        | Model    | B <sub>p</sub> | B <sub>ppm</sub> | M <sub>p</sub> | M <sub>ppm</sub> | D <sub>p</sub> | D <sub>ppm</sub> | (M+Color)P | (M+Color)Iapla | (B+D) <sub>ppm</sub> | (B+Color)P | (B+Color)Iapla | (B+Color)Dp | (B+Color)Djapla |
|----------------------------------|----------|----------------|------------------|----------------|------------------|----------------|------------------|------------|----------------|----------------------|------------|----------------|-------------|-----------------|
| Maximum power                    | (mW)     | 9.3            | 15               | 3.0            | 6.9              | 11             | 10               | 6.6        | 11             | 9.8                  | 12         | 12             | 11          | 11              |
| p <sub>1</sub>                   | (mPa)    | 6.3            | 2.2              | 6.3            | 5.5              | 6.1            | 1.8              | 6.4        | 3.9            | 6.5                  | 6.4        | 2.4            | 6.5         | 2.1             |
| I <sub>0</sub>                   | (mW/cm²) | 46             | 218              | 15             | 34               | 57             | 50               | 39         | 56             | 51                   | 68         | 77             | 57          | 54              |
| I <sub>0p</sub>                  | (mW/cm²) | 33             | 196              | 15             | 34               | 57             | 50               | 39         | 56             | 51                   | 68         | 77             | 57          | 54              |
| PWR%                             | (%)      | 100            | 100              | 100            | 100              | 100            | 100              | 100        | 100            | 100                  | 100        | 100            | 100         | 100             |
| Tx Mode                          |          | FND            | THP-L            | M              | M                | Pw             | Pw               | MFPow      | MFPow          | THP-L                | THP-L      | THP-L          | THP-L       | THP-L           |
| Wave Mode                        |          | FND            | THP-L            | M              | M                | Pw             | Pw               | MFPow      | MFPow          | THP-L                | THP-L      | THP-L          | THP-L       | THP-L           |
| Frequency (B)                    |          | Stid           | Stid             | Stid           | Stid             | n/a            | n/a              | n/a        | n/a            | Stid                 | Stid       | Stid           | Stid        | Stid            |
| Focus (B)                        |          | F4             | F4               | F4             | F4               | n/a            | n/a              | n/a        | n/a            | F1                   | F1         | F8             | F4          | F8              |
| Scan% (B)                        |          | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | 25                   | 25         | 25             | 27          | 27              |
| Range                            | (cm)     | 14.0           | 2.5              | 14.0           | 14.0             | n/a            | n/a              | 14.0       | 14.0           | 14.0                 | 14.0       | 14.0           | 2.5         | 2.5             |
| PRF Limit                        |          | ON             | OFF              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | OFF                  | ON         | OFF            | OFF         | OFF             |
| Line Density                     |          | Low            | High             | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | High                 | Low        | High           | Low         | Low             |
| Flow Mode                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Ref. Frequency (Color)           |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Flow% (Color)                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Flow% (Color)                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Color Velocity Range             | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 9.96       | 33.20          | n/a                  | n/a        | 28.46          | 0.63        | 44.27           |
| Packet Size                      | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 14.0       | 14.0           | n/a                  | n/a        | 14.0           | 2.5         | 2.5             |
| Flow Area Depth                  |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Color Line Density               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Pw Mode                          |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| High PRF                         |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Ref. Frequency (D)               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Focus (D)                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 75.89      | 75.89          | n/a                  | n/a        | 75.89          | 75.89       | 75.89           |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 0.1        | 0.1            | 0.1                  | 0.1        | 0.1            | 0.1         | 0.1             |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 2.0        | 2.0            | 2.0                  | 2.0        | 2.0            | 2.0         | 2.0             |
| Triplex Frame Rate               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Triplex VCL Range                |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Flow Area Lock                   |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| F <sub>0</sub>                   | (mm)     | 15             | 12               | 15             | 15               | 17             | 17               | 15         | 18             | 17                   | 15         | 17             | 17          | 17              |
| w <sub>0</sub>                   | (mm)     | 1.9            | 1.9              | 0.9            | 1.0              | 1.1            | 1.1              | 0.9        | 1.1            | 1.1                  | 0.9        | 4.9            | 1.1         | 1.1             |
| f <sub>0</sub>                   | (Hz)     | 0.9            | 1.0              | 0.9            | 0.9              | 0.9            | 0.9              | 0.9        | 0.9            | 0.9                  | 0.9        | 0.9            | 0.9         | 0.9             |
| PRF (PRF)                        | (Hz)     | 1001           | 1001             | 1001           | 1001             | 1302           | 1302             | 2083       | 6944           | n/a                  | n/a        | n/a            | n/a         | n/a             |
| PRF (SIRF)                       | (Hz)     | 100            | 154              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| n <sub>0</sub>                   |          | 1.0            | 2.0              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| n <sub>0</sub>                   |          | 31             | 43               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Output beam dimensions           | (f) (mm) | 4.8            | 1.6              | 4.8            | 4.8              | 4.8            | 4.8              | 4.0        | 4.8            | 4.8                  | 4.0        | 4.8            | 4.8         | 4.8             |
| f <sub>0</sub>                   | (mm)     | 4.2            | 4.2              | 4.2            | 4.2              | 4.2            | 4.2              | 4.2        | 4.2            | 4.2                  | 4.2        | 4.2            | 4.2         | 4.2             |
| f <sub>0</sub>                   | (mm)     | 7.7            | 7.7              | 7.7            | 7.7              | 8.0            | 8.0              | 8.0        | 7.9            | 8.0                  | 8.0        | 7.9            | 8.0         | 8.0             |
| Acoustic Power-up fraction       | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Power-up mode                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Acoustic Initialization fraction | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Initialization mode              |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |
| Acoustic output freeze           |          | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes        | Yes            | Yes                  | Yes        | Yes            | Yes         | Yes             |
| n <sub>0</sub>                   | (mm)     | 0.74           | 0.74             | 0.74           | 0.74             | 0.74           | 0.74             | 0.74       | 0.74           | 0.74                 | 0.74       | 0.74           | 0.74        | 0.74            |
| n <sub>0</sub>                   | (mm)     | contact        | contact          | contact        | contact          | contact        | contact          | contact    | contact        | contact              | contact    | contact        | contact     | contact         |
| Inclusive modes                  |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a            | n/a                  | n/a        | n/a            | n/a         | n/a             |

|                             |        |
|-----------------------------|--------|
| Measurement uncertainty (%) | 25.00% |
| P                           | 37.14% |
| P <sub>0</sub>              | 18.75% |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                               | MT    |      | TTS                                  |                                      | TTB                                  | TTC  |
|--------------------------------|---------------------------------------------------------------|-------|------|--------------------------------------|--------------------------------------|--------------------------------------|------|
| Maximum Index Value            |                                                               | 1.6   | 0.49 | Scan                                 | Non-scan                             | Non-scan                             |      |
|                                |                                                               |       |      | $A_{\text{max}} \leq 1 \text{ cm}^2$ | $A_{\text{max}} \leq 1 \text{ cm}^2$ | $A_{\text{max}} \leq 1 \text{ cm}^2$ |      |
| Associated acoustic parameters | $P_r, \sigma$                                                 | (MPa) | 4.4  |                                      |                                      |                                      |      |
|                                | $P$                                                           | (mW)  |      | 13                                   |                                      |                                      | 14   |
|                                | Min of $[P_r, \sigma, \lambda, f_{\text{max}}, f_r, \lambda]$ | (mW)  |      |                                      | -                                    |                                      |      |
|                                | $P_{\text{max}}$                                              | (cm)  |      |                                      | -                                    |                                      |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    |                                      |      |
|                                | $f_r$                                                         | (cm)  |      |                                      | -                                    |                                      |      |
|                                | $\lambda$ at max. $f_{\text{max}}$                            | (cm)  |      |                                      | -                                    |                                      |      |
|                                | $\lambda$ at max. $f_r$                                       | (cm)  |      |                                      | -                                    |                                      |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    |                                      |      |
|                                | $f_r$                                                         | (cm)  |      |                                      | -                                    |                                      |      |
| Other information              | $f_{\text{max}}$                                              | (MHz) | 7.7  | 7.8                                  | -                                    | -                                    | 7.8  |
|                                | $f_r$                                                         | (MHz) |      | 0.93                                 | -                                    | -                                    | 0.28 |
|                                | Dim of $A_{\text{max}}$                                       | (cm)  |      | 0.42                                 | -                                    | -                                    | 0.42 |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_r$                                                         | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $\lambda$                                                     | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_r$                                                         | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $\lambda$                                                     | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    | -                                    |      |
| Operating control conditions   | $f_{\text{max}}$                                              | (cm)  |      | 0.76                                 | -                                    | -                                    | 0.28 |
|                                | $f_r$                                                         | (cm)  |      | 1.4                                  | -                                    | -                                    | 1.4  |
|                                | $\lambda$                                                     | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_r$                                                         | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $\lambda$                                                     | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_r$                                                         | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $\lambda$                                                     | (cm)  |      |                                      | -                                    | -                                    |      |
|                                | $f_{\text{max}}$                                              | (cm)  |      |                                      | -                                    | -                                    |      |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 1 Data should only be entered at one of the following reasons: 1.1

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TDS, TSS or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

|                             |           |        |
|-----------------------------|-----------|--------|
| measurement uncertainty (%) | $P$       | 25.00% |
|                             | $I_{\mu}$ | 37.14% |
|                             | $\sigma$  | 48.75% |

play accuracy

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                      | MT                   | Scan | TTS  | TTH | TTC     |
|--------------------------------|--------------------------------------|----------------------|------|------|-----|---------|
| Maximum Index Value            |                                      | 1.6                  | 0.52 | -    | -   | 0.57    |
| Associated acoustic parameters | $P_{r,a}$                            | (MPa)                | 4.4  |      |     |         |
|                                | $P$                                  | (mW)                 |      | 14   |     | 15      |
|                                | Min of $[P_{r,a}(t_s), I_{ac}(t_s)]$ | (mW)                 |      |      |     |         |
|                                | $P_a$                                | (cm)                 |      |      |     |         |
|                                | $P_{ap}$                             | (cm)                 |      |      |     |         |
|                                | $P_{sp}$                             | (cm)                 |      |      |     |         |
|                                | $P_a$ at max. $I_{ac}$               | (cm)                 | 1.4  |      |     |         |
|                                | $d_{ac}(t_s)$                        | (cm)                 |      |      |     |         |
|                                | $I_{ac}$                             | (MHz)                | 7.7  | 7.8  |     | 7.0     |
|                                | Dim of $A_{ac}$                      | (cm)                 | 0.91 | 0.91 | -   | 0.80    |
| Other                          | Y                                    | (cm)                 | 0.42 | -    | -   | 0.42    |
|                                | $I_d$                                | (μsec)               | 0.14 |      |     |         |
| Information                    | $p_r$                                | (Hz)                 | 3100 |      |     |         |
|                                | $P_r$ at max. $I_p$                  | (MPa)                | 6.3  |      |     |         |
|                                | $I_a$ at max. $I_p$                  | (cm)                 |      |      |     |         |
|                                | $I_{ac}$ at max. $MT$                | (W/cm <sup>2</sup> ) | 1173 |      |     |         |
| Operating control conditions   | Focal Length                         | (cm)                 | 0.76 | -    | -   | 0.28    |
|                                | $F_{TL}$                             | (cm)                 | 1.4  | -    | -   | 1.4     |
|                                | $F_{TL}$                             | (cm)                 | 100  | 100  | -   | 100     |
|                                | PWR%                                 | (%)                  | B    | B    | -   | B       |
|                                | Tx Mode                              |                      | FND  | FND  | -   | TH(P.L) |
|                                | Wave Mode                            |                      | Sld  | Sld  | -   | Reso    |
|                                | Frequency (B)                        |                      | F4   | F2   | -   | F1      |
|                                | Focus (B)                            |                      | 100  | 25   | -   | 25      |
|                                | Scan's (B)                           | (%)                  | 14.0 | 2.5  | -   | 2.0     |
|                                | Range                                | (cm)                 | ON   | OFF  | -   | OFF     |
| Operating control conditions   | PRF Limit                            |                      | Low  | High | -   | High    |
|                                | Line Density                         |                      | n/a  | n/a  | n/a | n/a     |
|                                | Flow Mode                            |                      | n/a  | n/a  | n/a | n/a     |
|                                | Ref. Frequency (Color)               |                      | n/a  | n/a  | n/a | n/a     |
|                                | Focus (Color)                        |                      | n/a  | n/a  | n/a | n/a     |
|                                | Flow's (Color)                       | (%)                  | n/a  | n/a  | n/a | n/a     |
|                                | Color Velocity Range                 | (cm/s)               | n/a  | n/a  | n/a | n/a     |
|                                | Packet Size                          |                      | n/a  | n/a  | n/a | n/a     |
|                                | Flow Area Depth                      | (cm)                 | n/a  | n/a  | n/a | n/a     |
|                                | Color Line Density                   |                      | n/a  | n/a  | n/a | n/a     |
| Operating control conditions   | Pw Mode                              |                      | n/a  | n/a  | n/a | n/a     |
|                                | High PRF                             |                      | n/a  | n/a  | n/a | n/a     |
|                                | Ref. Frequency (D)                   |                      | n/a  | n/a  | n/a | n/a     |
|                                | Focus (D)                            |                      | n/a  | n/a  | n/a | n/a     |
|                                | Doppler Velocity Range               | (cm/s)               | n/a  | n/a  | n/a | n/a     |
|                                | Sample gate size                     | (cm)                 | n/a  | n/a  | n/a | n/a     |
|                                | Sample gate depth                    |                      | n/a  | n/a  | n/a | n/a     |
|                                | Triplex Frame Rate                   | (cm)                 | n/a  | n/a  | n/a | n/a     |
|                                | Triplex VEL Range                    |                      | n/a  | n/a  | n/a | n/a     |
|                                | Flow Area Lock                       |                      | n/a  | n/a  | n/a | n/a     |

NOTE 1 Data should only be entered in one of the columns related to T15

NOTE 2 Information need not be provided regarding TIC for any TRANSPOKER ASSEMBLY not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_{\mu}$                   |
| $\sigma$                    |

Day accuracy

| Display accuracy |                              |
|------------------|------------------------------|
| M1               | 20% or 0.2, whichever larger |
| T1               | 40% or 0.4, whichever larger |



ARIETTA 50

Transducer Model:

L53K

Operating Mode:

PWP-mode

Operating Mode:

L53K

Transducer Model:

L53K

Operating Mode:

M-mode

Table 201.103 – Acoustic output reporting table

| Index label                    | MI   | TIS  |          | TIB  | TIC   |
|--------------------------------|------|------|----------|------|-------|
|                                |      | Scan | Non-scan |      |       |
| Maximum Index Value            | 1.5  | -    | 0.45     | -    | 1.2   |
| $P_{r,a}$                      | 3.9  | -    | -        | -    | -     |
| $P_r$                          | -    | -    | 12       | 11   | 12    |
| Min of $[P_r(f), f_{max}(f)]$  | -    | -    | -        | -    | -     |
| Associated acoustic parameters | -    | -    | -        | -    | -     |
| $f_{ap}$                       | -    | -    | -        | -    | -     |
| $f_b$                          | -    | -    | -        | 0.92 | -     |
| $f$ at max $f_{max}$           | 1.3  | -    | -        | -    | -     |
| $f_{max}(f)$                   | -    | -    | -        | 0.13 | -     |
| $f_{max}$                      | 6.7  | -    | 8.0      | -    | 5.8   |
| Dim of $A_{ap}$                | -    | -    | 0.12     | -    | 0.20  |
| Dim of $A_{ap}$                | -    | -    | 0.42     | -    | 0.42  |
| $f_a$                          | 0.55 | -    | -        | -    | -     |
| $f_{pr}$                       | 1085 | -    | -        | -    | -     |
| $f_r$ at max $f_{pr}$          | 5.0  | -    | -        | -    | -     |
| $f_{max}$ at max $f_{pr}$      | 867  | -    | -        | -    | -     |
| Information                    | -    | -    | 0.28     | -    | 0.28  |
| Focus Length                   | -    | -    | 1.4      | -    | 1.4   |
| FLx                            | -    | -    | -        | -    | -     |
| FLy                            | -    | -    | -        | -    | -     |
| PWR%                           | 100  | -    | 100      | -    | 100   |
| Tx Mode                        | Pw   | -    | Pw       | -    | Pw    |
| Wave Mode                      | n/a  | n/a  | n/a      | n/a  | n/a   |
| Frequency (B)                  | n/a  | n/a  | n/a      | n/a  | n/a   |
| Focus (B)                      | n/a  | n/a  | n/a      | n/a  | n/a   |
| Scan% (B)                      | n/a  | n/a  | n/a      | n/a  | n/a   |
| Range                          | n/a  | n/a  | n/a      | n/a  | n/a   |
| PRF Limit                      | n/a  | n/a  | n/a      | n/a  | n/a   |
| Line Density                   | n/a  | n/a  | n/a      | n/a  | n/a   |
| Flow Mode                      | n/a  | n/a  | n/a      | n/a  | n/a   |
| Ref. Frequency (Color)         | n/a  | n/a  | n/a      | n/a  | n/a   |
| Focus (Color)                  | n/a  | n/a  | n/a      | n/a  | n/a   |
| Flow% (Color)                  | n/a  | n/a  | n/a      | n/a  | n/a   |
| Color Velocity Range           | n/a  | n/a  | n/a      | n/a  | n/a   |
| Picket Size                    | n/a  | n/a  | n/a      | n/a  | n/a   |
| Flow Area Depth                | n/a  | n/a  | n/a      | n/a  | n/a   |
| Color Line Density             | n/a  | n/a  | n/a      | n/a  | n/a   |
| Pw Mode                        | PW   | -    | PW       | -    | PW    |
| High PRF                       | OFF  | -    | OFF      | -    | OFF   |
| Ref. Frequency (D)             | Std  | -    | Reso     | -    | Reso  |
| Focus (D)                      | F4   | -    | F1       | -    | F2    |
| Doppler Velocity Range         | 6.23 | -    | 93.75    | -    | 19.92 |
| Sample gate size               | 0.1  | -    | 0.1      | -    | 0.1   |
| Sample gate depth              | 1.6  | -    | 0.0      | -    | 0.6   |
| Triplets Frame Rate            | n/a  | n/a  | n/a      | n/a  | n/a   |
| Triplets VFL Range             | n/a  | n/a  | n/a      | n/a  | n/a   |
| Flow Area Lock                 | n/a  | n/a  | n/a      | n/a  | n/a   |

NOTE 1 Data should only be entered in one of the columns related to TS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal capsule use

NOTE 3 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MI.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 20.00% |
| $f_{ap}$                    | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

ARIETTA 50

Transducer Model:

L53K

Operating Mode:

M-mode

Table 201.103 – Acoustic output reporting table

| Index label                    | MI   | TIS  |          | TIB  | TIC      |
|--------------------------------|------|------|----------|------|----------|
|                                |      | Scan | Non-scan |      |          |
| Maximum Index Value            | 1.6  | -    | 0.35     | -    | 0.80     |
| $P_{r,a}$                      | 4.4  | -    | -        | -    | -        |
| $P_r$                          | -    | -    | 10       | 6.9  | 10       |
| Min of $[P_r(f), f_{max}(f)]$  | -    | -    | -        | -    | -        |
| Associated acoustic parameters | -    | -    | -        | -    | -        |
| $f_{ap}$                       | -    | -    | -        | -    | -        |
| $f_b$                          | -    | -    | -        | 1.3  | -        |
| $f$ at max $f_{max}$           | 1.4  | -    | -        | -    | -        |
| $f_{max}(f)$                   | -    | -    | -        | 0.11 | -        |
| $f_{max}$                      | 7.7  | -    | 7.0      | -    | 6.3      |
| Dim of $A_{ap}$                | -    | -    | 0.92     | -    | 0.80     |
| Dim of $A_{ap}$                | -    | -    | 0.42     | -    | 0.42     |
| $f_a$                          | 0.14 | -    | -        | -    | -        |
| $f_{pr}$                       | 1001 | -    | -        | -    | -        |
| $f_r$ at max $f_{pr}$          | 6.3  | -    | -        | -    | -        |
| $f_{max}$ at max $f_{pr}$      | 1173 | -    | -        | -    | -        |
| Information                    | -    | -    | 4.3      | -    | 3.2      |
| Focus Length                   | -    | -    | 1.4      | -    | 1.4      |
| FLx                            | -    | -    | -        | -    | -        |
| FLy                            | -    | -    | -        | -    | -        |
| PWR%                           | 100  | -    | 100      | -    | 100      |
| Tx Mode                        | M    | -    | M        | -    | M        |
| Wave Mode                      | FND  | -    | THH(2.1) | -    | THH(2.1) |
| Frequency (B)                  | Std  | -    | Reso     | -    | Std      |
| Focus (B)                      | F4   | -    | F7       | -    | F4       |
| Scan% (B)                      | n/a  | n/a  | n/a      | n/a  | n/a      |
| Range                          | n/a  | n/a  | n/a      | n/a  | n/a      |
| PRF Limit                      | 14.0 | -    | 14.0     | -    | 14.0     |
| Line Density                   | n/a  | n/a  | n/a      | n/a  | n/a      |
| Flow Mode                      | n/a  | n/a  | n/a      | n/a  | n/a      |
| Ref. Frequency (Color)         | n/a  | n/a  | n/a      | n/a  | n/a      |
| Focus (Color)                  | n/a  | n/a  | n/a      | n/a  | n/a      |
| Flow% (Color)                  | n/a  | n/a  | n/a      | n/a  | n/a      |
| Color Velocity Range           | n/a  | n/a  | n/a      | n/a  | n/a      |
| Picket Size                    | n/a  | n/a  | n/a      | n/a  | n/a      |
| Flow Area Depth                | n/a  | n/a  | n/a      | n/a  | n/a      |
| Color Line Density             | n/a  | n/a  | n/a      | n/a  | n/a      |
| Pw Mode                        | n/a  | n/a  | n/a      | n/a  | n/a      |
| High PRF                       | n/a  | n/a  | n/a      | n/a  | n/a      |
| Ref. Frequency (D)             | n/a  | n/a  | n/a      | n/a  | n/a      |
| Focus (D)                      | n/a  | n/a  | n/a      | n/a  | n/a      |
| Doppler Velocity Range         | n/a  | n/a  | n/a      | n/a  | n/a      |
| Sample gate size               | n/a  | n/a  | n/a      | n/a  | n/a      |
| Sample gate depth              | n/a  | n/a  | n/a      | n/a  | n/a      |
| Triplets Frame Rate            | n/a  | n/a  | n/a      | n/a  | n/a      |
| Triplets VFL Range             | n/a  | n/a  | n/a      | n/a  | n/a      |
| Flow Area Lock                 | n/a  | n/a  | n/a      | n/a  | n/a      |

NOTE 1 Data should only be entered in one of the columns related to TS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal capsule use

NOTE 3 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MI.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 20.00% |
| $f_{ap}$                    | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |



Table 201.103 - Acoustic output reporting table

| Index label                    | MI                                | TIS                  |          | TTTB      | TTC       |
|--------------------------------|-----------------------------------|----------------------|----------|-----------|-----------|
|                                |                                   | Scan                 | Non-scan |           |           |
| Maximum Index Value            | 1.6                               | 0.55                 | -        | -         | 0.64      |
| Associated acoustic parameters | $P_r$ , $\sigma$                  | (MPa)                | 4.5      | -         | -         |
|                                | $P$                               | (mW)                 | -        | -         | 30        |
|                                | Min of $[P_a(f_a), I_{w,a}(f_a)]$ | (mW)                 | 15       | -         | -         |
|                                | $f_a$                             | (cm)                 | -        | -         | -         |
|                                | $f_{50}$                          | (cm)                 | -        | -         | -         |
|                                | $f_a$                             | (cm)                 | -        | -         | -         |
|                                | $f$ at max. $I_{f,a}$             | (cm)                 | 1.4      | -         | -         |
|                                | $f_{a,0}$                         | (cm)                 | -        | -         | -         |
|                                | $f_{a,0}$                         | (cm)                 | -        | -         | -         |
|                                | $f_{a,0}$                         | (cm)                 | -        | -         | -         |
| Other information              | Divn of $A_{opt}$                 | (MHz)                | C7.98    | B7.7,C7.9 | B7.8,C6.7 |
|                                | $I_a$                             | (uase)               | 0.18     | -         | -         |
|                                | $p_{rr}$                          | (Hz)                 | 4130     | -         | -         |
|                                | $p_r$ at max. $I_a$               | (MPa)                | 6.4      | -         | -         |
|                                | $I_a$ at max. $I_a$               | (cm)                 | -        | -         | -         |
|                                | $I_{f,a}$ at max. $I_a$           | (W/cm <sup>2</sup> ) | 1190     | -         | -         |
|                                | $f_{f,a}$ at max. $I_a$           | (cm)                 | 1.8      | -         | 3.3       |
|                                | $f_{f,a}$                         | (cm)                 | 1.4      | -         | 1.4       |
|                                | $f_{f,a}$                         | (cm)                 | 100      | 100       | -         |
|                                | $f_{f,a}$                         | (cm)                 | 100      | 100       | 100       |
| Operating control conditions   | PWR%                              | (%)                  | -        | -         | -         |
|                                | $T_h$ Mode                        | B/Power              | B/Power  | -         | B/Power   |
|                                | Wave Mode                         | PND                  | PND      | -         | -         |
|                                | Frequency (B)                     | Std                  | Std      | -         | Std       |
|                                | Power (B)                         | F1                   | F4       | -         | F3        |
|                                | Speed (B)                         | F1                   | F4       | -         | 100       |
|                                | Range                             | 100                  | 82       | -         | 14.0      |
|                                | $P_{f,f}$ Limit                   | ON                   | OFF      | -         | ON        |
|                                | Line Density                      | Low                  | Medium   | -         | Low       |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Ref. Frequency (Color)         | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
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| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
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| Flow Mode                      | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     | -         | Flow      |
|                                | Flow Mode                         | Flow                 | Flow     |           |           |

NOTE 1 Data should only be entered if use of the volumes related to T28

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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### (3) Электронные секторные датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

S11 Sector

Acoustic power is controllable by the user.

| parameter                        | Mode     | B <sub>0</sub> | B <sub>100</sub> | M       | D <sub>0</sub> | D <sub>100</sub> | (M+Color)P | (M+Color)Ap | (B+D) <sub>0</sub> | (B+D) <sub>100</sub> | (B+Color)P | (B+Color)Ap | (B+Color+D)P | (B+Color+D)Ap | CWD     |
|----------------------------------|----------|----------------|------------------|---------|----------------|------------------|------------|-------------|--------------------|----------------------|------------|-------------|--------------|---------------|---------|
| Maximum power                    | (mW)     | 114            | 132              | 65      | 91             | 112              | 104        | 129         | 40                 | 113                  | 35         | 144         | 56           | 107           | 164     |
| p <sub>r</sub>                   | (MPa)    | 4.7            | 4.7              | 4.7     | 4.7            | 4.7              | 4.5        | 2.8         | 4.7                | 4.7                  | 4.7        | 2.4         | 4.7          | 2.2           | 0.15    |
| I <sub>0</sub>                   | (mW/cm²) | 61             | 102              | 35      | 53             | 65               | 60         | 75          | 49                 | 69                   | 41         | 94          | 76           | 63            | 152     |
| I <sub>100</sub>                 | (mW/cm²) | 33             | 233              | 966     | 1130           | 1699             | 1327       | 1744        | 253                | 1600                 | 13         | 367         | 370          | 1602          | 768     |
| PRF/PRF <sub>0</sub>             | (%)      | 100            | 100              | 100     | 100            | 100              | 100        | 100         | 100                | 100                  | 100        | 100         | 100          | 100           | 100     |
| Wave Mode                        | FND      | B              | B                | M       | Pw             | Pw               | -          | -           | B/Pw               | B/Pw                 | B/Pw       | B/Pw        | B/Pw         | B/Pw          | Cw      |
| Frequency (B)                    | Reso     | Reso           | Reso             | FND     | n/a            | n/a              | n/a        | n/a         | Reso               | Reso                 | Reso       | Reso        | Reso         | THU(Prnt)     | n/a     |
| Focus (B)                        | F4       | F4             | F4               | F4      | n/a            | n/a              | n/a        | n/a         | F4                 | F4                   | F4         | F4          | F4           | F2            | n/a     |
| Scan/s (B)                       | 25       | 25             | 25               | n/a     | n/a            | n/a              | n/a        | n/a         | 25                 | 25                   | 100        | 25          | 100          | 27            | n/a     |
| Range                            | 40.0     | 40.0           | 40.0             | 40.0    | n/a            | n/a              | 40.0       | 40.0        | 40.0               | 10.0                 | 40.0       | 21.0        | 40.0         | 19.0          | n/a     |
| PRF Limit                        | ON       | ON             | OFF              | n/a     | n/a            | n/a              | n/a        | n/a         | ON                 | OFF                  | ON         | OFF         | ON           | OFF           | n/a     |
| Line Density                     | Low      | Low            | High             | n/a     | n/a            | n/a              | n/a        | n/a         | Low                | Medium               | Low        | High        | Low          | Flow          | n/a     |
| Flow Mode                        | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | Penet       | Flow         | Flow          | n/a     |
| Ref. Frequency (Color)           | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | Reso         | Reso          | n/a     |
| Flow/s (Color)                   | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | Reso         | F4            | n/a     |
| Color Velocity Range             | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | 16.60      | 72.44       | n/a                | n/a                  | 0.63       | 28.46       | 8.30         | 15            | n/a     |
| Picket Size                      | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | Low        | High        | Low          | High          | n/a     |
| Flow Area Depth                  | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | 40.0       | 40.0        | n/a                | n/a                  | 21.0       | 21.0        | 40.0         | 19.0          | n/a     |
| Color Line Density               | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | 1          | 3           | 1            | 3             | n/a     |
| Pw Mode                          | n/a      | n/a            | n/a              | n/a     | PW             | PW               | n/a        | n/a         | PW                 | PW                   | n/a        | n/a         | PW           | PW            | n/a     |
| High PRF                         | n/a      | n/a            | n/a              | n/a     | OFF            | OFF              | n/a        | n/a         | OFF                | OFF                  | n/a        | n/a         | OFF          | OFF           | n/a     |
| Ref. Frequency (D)               | n/a      | n/a            | n/a              | n/a     | Reso           | Reso             | n/a        | n/a         | Reso               | Reso                 | n/a        | n/a         | Reso         | Reso          | n/a     |
| Focus (D)                        | n/a      | n/a            | n/a              | n/a     | F5             | F5               | n/a        | n/a         | F1                 | F4                   | n/a        | n/a         | F1           | F4            | n/a     |
| Doppler Velocity Range           | n/a      | n/a            | n/a              | n/a     | 6.23           | 108.18           | n/a        | n/a         | 6.23               | 99.61                | n/a        | n/a         | 8.30         | 99.61         | n/a     |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a     | 0.1            | 0.1              | n/a        | n/a         | 0.1                | 0.1                  | n/a        | n/a         | 0.1          | 0.1           | n/a     |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a     | 7.6            | 8.6              | n/a        | n/a         | 2.8                | 6.0                  | n/a        | n/a         | 2.8          | 6.0           | n/a     |
| Triplex Frame Rate               | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | Medium       | Medium        | n/a     |
| Triplex VEL Range                | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | High         | High          | n/a     |
| Flow Area Lock                   | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | OFF          | OFF           | n/a     |
| Pr                               | (mm)     | 65             | 36               | 65      | 65             | 65               | 65         | 63          | 65                 | 60                   | 65         | 40          | 65           | 60            | 35      |
| W <sub>pr</sub>                  | (mm)     | 2.5            | 3.3              | 2.5     | 2.9            | 2.9              | 2.9        | 3.1         | 2.5                | 2.6                  | 2.5        | 3.4         | 2.5          | 2.6           | 4.1     |
| W <sub>pr</sub>                  | (mm)     | 3.4            | 4.9              | 3.4     | 3.4            | 3.4              | 3.4        | 3.5         | 3.4                | 3.2                  | 3.4        | 4.2         | 3.4          | 3.2           | 4.2     |
| prf(PRF)                         | (Hz)     | n/a            | n/a              | 1004    | 501            | 13495            | 1335       | 5828        | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| prf(SRF)                         | (Hz)     | 43             | 181              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| n <sub>pr</sub>                  | (mm)     | 1.0            | 1.0              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| n <sub>pr</sub>                  | (mm)     | 41             | 31               | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| Output beam dimensions           | (mm)     | 16             | 11               | 16      | 14             | 14               | 14         | 14          | 16                 | 14                   | 16         | 13          | 16           | 14            | 9.0     |
| f <sub>ref</sub>                 | (MHz)    | 12             | 12               | 12      | 12             | 12               | 12         | 12          | 12                 | 12                   | 12         | 12          | 12           | 12            | 12      |
| Acoustic Power-up fraction       | (%)      | 3.1            | 3.1              | 3.1     | 3.0            | 3.0              | 3.0        | 2.9         | 3.1                | 3.0                  | 3.1        | 1.8         | 3.1          | 3.0           | 1.8     |
| Power-up mode                    | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| Acoustic Initialization fraction | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| Initialization mode              | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a         | n/a                | n/a                  | n/a        | n/a         | n/a          | n/a           | n/a     |
| Acoustic output freeze           | Yes      | Yes            | Yes              | Yes     | Yes            | Yes              | Yes        | Yes         | Yes                | Yes                  | Yes        | Yes         | Yes          | Yes           | Yes     |
| n <sub>pr</sub>                  | (mm)     | 1.8            | 1.8              | 1.8     | 1.8            | 1.8              | 1.8        | 1.8         | 1.8                | 1.8                  | 1.8        | 1.8         | 1.8          | 1.8           | 1.8     |
| Inclusive modes                  | contact  | contact        | contact          | contact | contact        | contact          | contact    | contact     | contact            | contact              | contact    | contact     | contact      | contact       | contact |

|            |      |      |      |      |
|------------|------|------|------|------|
| ARIETTA 50 | 2019 | 2019 | 2019 | 2019 |
| ARIETTA 50 | 2019 | 2019 | 2019 | 2019 |
| ARIETTA 50 | 2019 | 2019 | 2019 | 2019 |
| ARIETTA 50 | 2019 | 2019 | 2019 | 2019 |

Данные по акустической мощности

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                                   | MI    | Scan | TIS | TIB | TIC  |
|--------------------------------|-------------------------------------------------------------------|-------|------|-----|-----|------|
| Maximum Index Value            |                                                                   | 1.6   | 1.3  | -   | -   | 2.8  |
| Associated acoustic parameters | $P_{\text{a}}$                                                    | (MPa) |      |     |     |      |
|                                | $P$                                                               | (mW)  | 99   | -   | -   | 117  |
|                                | Min of $[P_{\text{a}}(f_{\text{a}}), I_{\text{a}}(f_{\text{a}})]$ | (mW)  |      | -   | -   |      |
|                                | $f_{\text{a}}$                                                    | (cm)  |      | -   | -   |      |
|                                | $f_{\text{a}}$                                                    | (cm)  |      | -   | -   |      |
| Information                    | $f_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 4.7  | -   | -   |      |
|                                | $I_{\text{a}}$                                                    | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Other                          | $I_{\text{a}}$                                                    | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$                                                    | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$                                                    | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$                                                    | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$                                                    | (cm)  | 1754 | -   | -   |      |
| Information                    | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 600  | -   | -   | 1.6  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 3.4  | -   | -   | 4.0  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 5.5  | -   | -   | 100  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 2.8  | -   | -   | 1.8  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.1  | -   | -   | 0.72 |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1.2  | -   | -   | 1.2  |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 0.43 | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  | 1754 | -   | -   |      |
| Operating control conditions   | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (MPa) | 4.3  | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                             | (cm)  |      | -   | -   |      |

NOTE 1 Data should only be entered in one of the columns related to TB

NOTE 2 If the information was not provided regarding TBC for any transmission, assume it not intended for transmission or neonatal cephalo cases

NOTE 3 If the requirements of 2011.12.2b are met, it is not required to enter any data in the columns related to TB, TB or TBC

NOTE 4 If the requirements of 2011.12.2b are met, it is not required to enter any data in the columns related to TB

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| IT               | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table

| Index label                    |                                                  | MT                   | TDS   |        | TIB    | TTC    |
|--------------------------------|--------------------------------------------------|----------------------|-------|--------|--------|--------|
| Maximum Index Value            |                                                  | 1.6                  | -     | 1.4    | 4.2    | 3.1    |
| Associated acoustic parameters | $P_{\text{a}}$                                   | (MPa)                | 2.8   | -      | -      | -      |
|                                | $P$                                              | (mW)                 | -     | 101    | -      | 118    |
|                                | Min of $[P_{\text{a}}(x,y), I_{\text{sa}}(x,y)]$ | -                    | -     | -      | -      | -      |
|                                | $I_{\text{sa}}$                                  | (cm)                 | -     | -      | -      | -      |
|                                | $I_{\text{sp}}$                                  | (cm)                 | -     | -      | -      | -      |
|                                | $I_{\text{z}}$                                   | (cm)                 | -     | -      | -      | 4.4    |
|                                | $I_{\text{z}}$ at max. $I_{\text{sa}}$           | (cm)                 | 5.4   | -      | -      | -      |
| Other information              | $d_{\text{sa}}(x,y)$                             | (cm)                 | -     | -      | -      | 0.47   |
|                                | $f_{\text{ref}}$                                 | (MHz)                | 3.0   | 2.9    | -      | 1.8    |
|                                | Dim of $d_{\text{ant}}$                          | (cm)                 | -     | 0.60   | -      | 1.4    |
|                                | X                                                | -                    | -     | -      | -      | 1.2    |
|                                | Y                                                | -                    | -     | -      | -      | 1.2    |
|                                | $t_{\text{e}}$                                   | ( $\mu\text{s}$ )    | 0.63  | -      | -      | -      |
|                                | $f_{\text{err}}$                                 | (Hz)                 | 1335  | -      | -      | 1.2    |
| Operating control conditions   | $P_{\text{a}}$ at max. $I_{\text{sa}}$           | (MPa)                | 4.5   | -      | -      | 4.0    |
|                                | $d_{\text{sa}}$ at max. $I_{\text{sa}}$          | (cm)                 | -     | -      | -      | 100    |
|                                | $I_{\text{sa}}$ at max. MT                       | (W/cm <sup>2</sup> ) | 513   | -      | -      | 100    |
|                                | Focal Length                                     | (cm)                 | -     | 1.6    | -      | 4.0    |
|                                | $ F _x$                                          | (cm)                 | -     | 5.5    | -      | 100    |
|                                | $ F _y$                                          | (cm)                 | -     | 100    | -      | 100    |
|                                | PWR%                                             | (%)                  | 100   | -      | -      | MPower |
|                                | TX Mode                                          | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Wave Mode                                        | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Frequency (B)                                    | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Focus (B)                                        | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Scan's (B)                                       | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Range                                            | (cm)                 | 40.0  | -      | 19.0   | 19.0   |
|                                | PdF Limit                                        | n/a                  | n/a   | n/a    | n/a    | n/a    |
| Line Density                   | n/a                                              | n/a                  | n/a   | n/a    | n/a    |        |
| Flow Arm Lock                  | Flow Mode                                        | Flow                 | Flow  | edFlow | Flow   | Flow   |
|                                | Ref. Frequency (Color)                           | Remo                 | Remo  | Remo   | Remo   | Remo   |
|                                | Focus (Color)                                    | F4                   | -     | F1     | -      | F6     |
|                                | Flow's (Color)                                   | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Color Velocity Range                             | (cm/s)               | 16.60 | -      | 106.25 | 61.30  |
|                                | Packer Size                                      | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Flow Arms Depth                                  | (cm)                 | 40.0  | -      | 40.0   | 40.0   |
|                                | Color Line Density                               | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Per Mode                                         | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | High PRF                                         | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Ref. Frequency (D)                               | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Focus (D)                                        | n/a                  | n/a   | n/a    | n/a    | n/a    |
|                                | Doppler Velocity Range                           | (cm/s)               | n/a   | n/a    | n/a    | n/a    |
|                                | Sample gate size                                 | (cm)                 | n/a   | n/a    | n/a    | n/a    |
| Sample gate depth              | (cm)                                             | n/a                  | n/a   | n/a    | n/a    |        |
| Triplets Frame Rate            | n/a                                              | n/a                  | n/a   | n/a    | n/a    |        |
| Triplets VEL Range             | n/a                                              | n/a                  | n/a   | n/a    | n/a    |        |
| Flow Arm Lock                  | n/a                                              | n/a                  | n/a   | n/a    | n/a    |        |

NOTE 1 Data should only be obtained in case of the columns related to TDS

NOTE 2 Information need not be provided regarding TTD for any "non-scan" array; it is included for transverse or non-scan arrays only

NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TDS, TIB or TTD.

NOTE 4 If the requirements of 201.12.4.3 are met, it is not required to enter any data in the columns related to MT.

NOTE 5 Focal Length is a NOMINAL value

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic use

NOTE 3 If the measurements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TIS or TIC.

| measurement uncertainty (%) |
|-----------------------------|
| $p$                         |
| $I_{\mu}$                   |
| $p_{\sigma}$                |

| Display accuracy |                              |
|------------------|------------------------------|
| M1               | 20% or 0.2, whichever larger |
| T1               | 40% or 0.4, whichever larger |

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_d$                       |
| $P_i$                       |



NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transmission assembly not intended for transmission or associated auxiliary uses

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to T15, T23 or T10.

NOTE 4 If the requirements of 201.12.4.2b are

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |



Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

S31 Sector

Acoustic power is controllable by the user.

| parameter                        | Mode                  | $I_{p0}$ | $B_{p0}$   | $M_p$   | $M_{p0}$ | $D_p$   | $(B+D)_p$ | $(B+D)_{p0}$ | $(B+Color)_p$ | $(B+Color)_{p0}$ | CWD     |
|----------------------------------|-----------------------|----------|------------|---------|----------|---------|-----------|--------------|---------------|------------------|---------|
| Maximum power                    |                       | 23       | 43         | 23      | 19       | 26      | 20        | 40           | 18            | 48               | 46      |
| $p_{max}$                        | (mPa)                 | 5.0      | 1.6        | 5.3     | 5.3      | 5.3     | 5.4       | 2.0          | 5.3           | 1.7              | 0.13    |
| $I_{a0}$                         | (mW/cm <sup>2</sup> ) | 36       | 222        | 34      | 30       | 45      | 40        | 75           | 36            | 327              | 127     |
| $I_{a0}$                         | (mW/cm <sup>2</sup> ) | 29       | 557        | 578     | 610      | 1304    | 965       | 1445         | 25            | 566              | 552     |
| PWR%                             | (%)                   | 100      | 100        | 100     | 100      | 100     | 100       | 100          | 100           | 100              | 100     |
| Wave Mode                        |                       | PNPD     | THRE(PNPD) | PNPD    | PNPD     | PNPD    | PNPD      | THRE(PNPD)   | PNPD          | THRE(PNPD)       | CW      |
| Frequency (B)                    |                       | Reso     | Std        | Std     | Std      | Std     | Std       | Std          | Std           | Std              | n/a     |
| Focus (B)                        |                       | F4       | F1         | F5      | F5       | n/a     | F1        | F2           | F1            | F1               | n/a     |
| Scan's (B)                       | (%)                   | 100      | 25         | n/a     | n/a      | n/a     | 100       | 25           | 100           | 26               | n/a     |
| Range                            | (cm)                  | 24.0     | 3.0        | 24.0    | 24.0     | n/a     | 24.0      | 8.0          | 24.0          | 3.0              | n/a     |
| PRF Limit                        |                       | ON       | OFF        | n/a     | n/a      | n/a     | ON        | OFF          | ON            | OFF              | n/a     |
| Line Density                     |                       | Low      | High       | n/a     | n/a      | n/a     | Low       | High         | Low           | Medium           | n/a     |
| Flow Mode                        |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | Reso          | Std              | n/a     |
| Ref. Frequency (Color)           |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | F4            | F1               | n/a     |
| Flow's (Color)                   | (%)                   | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | 100           | 15               | n/a     |
| Color Velocity Range             | (cm/s)                | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | 0.63          | 99.61            | n/a     |
| Pulsat Size                      |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | Low           | Medium           | n/a     |
| Flow Area Depth                  | (cm)                  | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | 24.0          | 3.0              | n/a     |
| Color Line Density               |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | 1             | 2                | n/a     |
| Pw Mode                          |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| High PRF                         |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Ref. Frequency (D)               |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Focus (D)                        |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Display Velocity Range           | (cm/s)                | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Sample gate size                 | (cm)                  | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Sample gate depth                | (cm)                  | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Triplex Frame Rate               |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Triplex VBL Range                |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Flow Area Lock                   |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| $f_p$                            | (mm)                  | 31       | 4.1        | 34      | 32       | 30      | 30        | 33           | 30            | 4.1              | 23      |
| $f_{p0}$                         | (mm)                  | 1.4      | 1.5        | 3.0     | 2.2      | 1.6     | 1.6       | 2.3          | 1.7           | 1.6              | 2.9     |
| $f_{p0}$                         | (mm)                  | 1.3      | 6.2        | 1.7     | 1.6      | 1.4     | 1.4       | 1.5          | 1.5           | 6.5              | 2.2     |
| $f_{p0}$                         | (Hz)                  | n/a      | n/a        | 1002    | n/a      | 814     | n/a       | 19841        | n/a           | n/a              | n/a     |
| $f_{p0}$                         | (Hz)                  | 69       | 345        | n/a     | n/a      | n/a     | n/a       | n/a          | 8.4           | 95               | n/a     |
| $f_{p0}$                         | (Hz)                  | 1.0      | 1.0        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| $f_{p0}$                         | (Hz)                  | 41       | 31         | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Output beam dimensions           | (mm)                  | 7.8      | 2.4        | 8.4     | 8.1      | 7.2     | 7.2       | 7.2          | 7.2           | 1.8              | 4.5     |
| $f_{p0}$                         | (mm)                  | 8.0      | 8.0        | 8.0     | 8.0      | 8.0     | 8.0       | 8.0          | 8.0           | 8.0              | 8.0     |
| $f_{p0}$                         | (mm)                  | 5.7      | 2.9        | 4.7     | 4.7      | 5.0     | 5.0       | 5.0          | 4.9           | 3.3              | 3.4     |
| Acoustic Power-up fraction       | (%)                   | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Power-up mode                    |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Acoustic initialization fraction | (%)                   | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Acoustic initialization mode     |                       | n/a      | n/a        | n/a     | n/a      | n/a     | n/a       | n/a          | n/a           | n/a              | n/a     |
| Acoustic output beams            |                       | Yes      | Yes        | Yes     | Yes      | Yes     | Yes       | Yes          | Yes           | Yes              | Yes     |
| $f_{p0}$                         | (mm)                  | 1.4      | 1.4        | 1.4     | 1.4      | 1.4     | 1.4       | 1.4          | 1.4           | 1.4              | 1.4     |
| Inclusive modes                  |                       | contact  | contact    | contact | contact  | contact | contact   | contact      | contact       | contact          | contact |

|                                  |     |
|----------------------------------|-----|
| Acoustic Power-up fraction       | 1.4 |
| Power-up mode                    | 1.4 |
| Acoustic initialization fraction | 1.4 |
| Acoustic initialization mode     | 1.4 |
| Acoustic output beams            | 1.4 |
| Inclusive modes                  | 1.4 |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                       | MT                                                          | TDS      |   | TIB      | TTC  |
|--------------------------------|---------------------------------------|-------------------------------------------------------------|----------|---|----------|------|
|                                |                                       | Scan                                                        | Non-scan |   | Non-scan |      |
|                                |                                       | $A_{net} \leq 1 \text{ cm}^2 / A_{net} \leq 1 \text{ cm}^2$ |          |   |          |      |
| Maximum Index Value            | $P_{r,a}$                             | 1.6                                                         | 0.78     | - | -        | 2.2  |
|                                | $P_r$                                 | 2.8                                                         |          |   |          |      |
|                                | $P_a$                                 |                                                             | 35       |   |          | 43   |
|                                | Min of $[P_{r,a}]_{a}, [P_{r,a}]_{a}$ |                                                             |          |   |          |      |
|                                | $P_a$                                 |                                                             |          |   |          |      |
|                                | $P_{r,a}$                             |                                                             |          |   |          |      |
|                                | $P_{r,a}$                             |                                                             |          |   |          |      |
|                                | $P_{r,a}$                             |                                                             |          |   |          |      |
|                                | $P_{r,a}$                             |                                                             |          |   |          |      |
|                                | $P_{r,a}$                             |                                                             |          |   |          |      |
| Associated acoustic parameters | $P_a$ at max. $P_{r,a}$               | 0.41                                                        |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_{r,a}$               |                                                             |          |   |          |      |
| Other                          | Dim of $A_{net}$                      | 3.0                                                         | 4.8      | - | -        | 2.9  |
|                                | $X$                                   |                                                             |          |   |          |      |
|                                | $Y$                                   |                                                             | 0.24     | - | -        | 0.24 |
|                                | $I_a$                                 |                                                             | 0.80     | - | -        | 0.80 |
|                                | $I_a$                                 | 0.56                                                        |          |   |          |      |
|                                | $f_{ref}$                             | 2787                                                        |          |   |          |      |
|                                | $P_r$ at max. $P_a$                   | 2.9                                                         |          |   |          |      |
|                                | $P_a$ at max. $P_a$                   |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_a$                   |                                                             |          |   |          |      |
|                                | $P_a$ at max. $P_a$                   |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 323                                                         |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 0.57                                                        | -        | - | -        | 0.57 |
|                                | $f_{ref}$ at max. $MT$                | 3.0                                                         | -        | - | -        | 2.4  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Other                          | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Information                    | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
| Operating control conditions   | $f_{ref}$ at max. $MT$                | 100                                                         | 100      | - | -        | 100  |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             |          |   |          |      |
|                                | $f_{ref}$ at max. $MT$                |                                                             | </       |   |          |      |

NOTE 1 Data should only be entered in one of the columns related to TIS  
NOTE 2 Information need not be provided regarding TIC for any substances assumed not intended for transworld or national supplies uses  
NOTE 3 If the requirements of 201.12.4.3a are met, it is not required to enter any data in the column related to TIS, TIB or TIC.  
NOTE 4 If the requirements of 201.12.4.3b are met, it is not required to enter any data in the column related to M, TIC or TIB.  
NOTE 5 If the requirements of 201.12.4.3c are met, it is not required to enter any data in the column related to M, TIC or TIB.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any measurement

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter

NOTE 5 Focal Length is a NOMINAL value

Table 201.103 – Acoustic output reporting table

| Index label                  |                                    | MI                   |       | TIS  |       | TIR  |         |
|------------------------------|------------------------------------|----------------------|-------|------|-------|------|---------|
| Maximum Index Values         |                                    | 1.6                  | -     | 0.92 | -     | 2.7  | 2.6     |
| Acoustical parameters        | $P_{rms}$                          | (MPa)                | -     | -    | -     | -    | -       |
|                              | $P_{max}$                          | (mW)                 | -     | 39   | -     | 44   | 44      |
|                              | Min of $ P_{rms}(f) , f_{max}(f) $ | (cm)                 | -     | -    | -     | -    | -       |
|                              | $f_{max}$                          | (cm)                 | -     | -    | -     | -    | -       |
|                              | $f_{min}$                          | (cm)                 | -     | -    | -     | -    | -       |
|                              | $f_{max}$                          | (cm)                 | -     | -    | -     | 0.64 | -       |
|                              | $x$ at max. $f_{max}$              | (cm)                 | 2.1   | -    | -     | -    | -       |
|                              | $f_{max}(f)$                       | (cm)                 | -     | -    | -     | 0.32 | -       |
|                              | $f_{min}$                          | (MHz)                | 2.6   | -    | 5.0   | -    | 3.3     |
|                              | Dim of $f_{min}$                   | (cm)                 | -     | -    | 0.72  | -    | 0.18    |
| Other Information            | Y                                  | (cm)                 | -     | -    | 0.80  | -    | 0.80    |
|                              | $f_{max}$                          | (dB)                 | 1.5   | -    | -     | -    | -       |
|                              | $P_{rms}$                          | (Hz)                 | 407   | -    | -     | -    | -       |
|                              | $P_{max}$ at max. $f_{max}$        | (MPa)                | 3.0   | -    | -     | -    | -       |
|                              | $f_{max}$ at max. $f_{max}$        | (cm)                 | -     | -    | -     | 0.32 | -       |
|                              | $f_{max}$ at max. MI               | (W/cm <sup>2</sup> ) | 373   | -    | -     | -    | -       |
|                              | Focus Length                       | (cm)                 | -     | -    | 4.1   | -    | 0.18    |
|                              | FLx                                | (cm)                 | -     | -    | 3.0   | -    | 2.4     |
|                              | FLy                                | (cm)                 | -     | -    | 100   | -    | 100     |
|                              | PWR%                               | (%)                  | 100   | -    | -     | -    | -       |
| Operating control conditions | TX Mode                            |                      | Pw    | -    | Pw    | -    | Pw      |
|                              | Wave Mode                          |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Frequency (B)                      |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Focus (B)                          |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Scan# (B)                          | (%)                  | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Range                              | (cm)                 | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | PRF Limit                          |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Line Density                       |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Flow Mode                          |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Ref. Frequency (Color)             |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Focus (Color)                      |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Flow# (Color)                      | (%)                  | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Color Velocity Range               | (cm/s)               | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Packet Size                        |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Flow Area Depth                    | (cm)                 | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Color Line Density                 |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Pw Mode                            |                      | PW    | -    | PW    | -    | PW      |
|                              | High PRF                           |                      | OFF   | -    | OFF   | -    | OFF     |
|                              | Ref. Frequency (D)                 |                      | Focus | -    | Focus | -    | Focus   |
|                              | Focus (D)                          |                      | F5    | -    | F7    | -    | F1      |
|                              | Doppler Velocity Range             | (cm/s)               | 6.23  | -    | 28.46 | -    | 1.59.38 |
|                              | Sample gate size                   | (cm)                 | 0.1   | -    | 0.1   | -    | 0.1     |
|                              | Sample gate depth                  | (cm)                 | 4.0   | -    | 7.0   | -    | 0.0     |
|                              | Triplex Frame Rate                 |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Triplex VEL Range                  |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              | Flow Area Lock                     |                      | n/a   | n/a  | n/a   | n/a  | n/a     |
|                              |                                    |                      | n/a   | n/a  | n/a   | n/a  | n/a     |

NOTE: Data should only be entered in one of the columns related to TDS

NOTE 2. Information need not be provided regarding TIG for any transducers assembly not intended for transcranial or nonmetal cephalic uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TBS or TFC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                             | MT       | TDS  |          | TIB      | TTC      |
|--------------------------------|---------------------------------------------|----------|------|----------|----------|----------|
| Medium Index Value             |                                             | 1.6      | Scan | Non-scan | Non-scan | 1.1      |
| Associated acoustic parameters | $P_{1,ave}$ (MPa)                           | 2.6      | -    | -        | -        | -        |
|                                | $P_{1,std}$ (mW)                            |          | -    | 39       | 39       | 39       |
|                                | Min of $[P_{ave}(z), I_{ave}(z)]$ (mW)      |          | -    | -        | -        | -        |
|                                | $I_{ave}$ (cm)                              |          | -    | -        | -        | -        |
|                                | $I_{sp}$ (cm)                               |          | -    | -        | -        | -        |
|                                | $I_{sh}$ (cm)                               |          | -    | -        | -        | -        |
|                                | $I_a$ at max. $I_{ave}$ (cm)                | 0.41     | -    | -        | 2.5      | -        |
|                                | $I_a$ at $I_a$ (cm)                         |          | -    | -        | 0.29     | -        |
|                                | $I_{std}$ (MHz)                             | 2.7      | -    | 2.9      | -        | 2.9      |
|                                | Dim of $A_{ave}$ (cm)                       |          | -    | 0.84     | -        | 0.84     |
| Other information              | $I_a$ (cm)                                  |          | -    | 0.80     | -        | 0.80     |
|                                | $I_a$ (μsec)                                | 0.68     | -    | -        | -        | -        |
|                                | $f_{ave}$ (Hz)                              | 1002     | -    | -        | -        | -        |
|                                | $P_{1,a}$ at max. $I_a$ (MPa)               | 2.7      | -    | -        | -        | -        |
|                                | $I_a$ at max. $I_a$ (cm)                    |          | -    | -        | 0.29     | -        |
|                                | $I_{ave}$ at max. $MT$ (W/cm <sup>2</sup> ) | 305      | -    | 4.4      | -        | 4.4      |
|                                | $I_{ave}$ at max. $MT$ (cm)                 |          | -    | 2.4      | -        | 2.4      |
|                                | Focal Length (cm)                           |          | -    | -        | -        | -        |
|                                | FWHM (%)                                    | 100      | -    | 100      | -        | 100      |
|                                | Tx Mode                                     | M        | -    | M        | -        | M        |
| Operating control conditions   | Wave Mode                                   | THI(PmT) | -    | THI(PmT) | -        | THI(PmT) |
|                                | Frequency (B)                               | Penet    | -    | Std      | -        | Std      |
|                                | Focus (B)                                   | F1       | -    | P8       | -        | P8       |
|                                | Scan's (B)                                  | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Range (%)                                   | 24.0     | -    | 24.0     | -        | 24.0     |
|                                | Range (cm)                                  | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | PRT Limit                                   | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Line Density                                | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Flow Mode                                   | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Ref. Frequency (Color)                      | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Focus (Color)                               | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Flow's (Color)                              | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Color Velocity Range (cm/s)                 | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Packet Size                                 | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Flow Area Depth                             | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Color Line Density                          | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Pw Mode                                     | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | High PRF                                    | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Ref. Frequency (D)                          | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Focus (D)                                   | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Display Velocity Range (cm/s)               | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Sample gate size (cm)                       | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Sample gate depth (cm)                      | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Triplex Frame Rate                          | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Triplex VEL Range                           | n/a      | n/a  | n/a      | n/a      | n/a      |
|                                | Flow Area Lock                              | n/a      | n/a  | n/a      | n/a      | n/a      |

| Flow Area Lock                                                               |  |
|------------------------------------------------------------------------------|--|
| NOTE 1: Data should only be entered in case of the occurrence related to TIS |  |

NOTE 1 Data should only be entered in one of the columns related to 1S

NOTE 2 Information need not be provided regarding TIC for any TRANSITION ASSAAY not intended for transcribed structural metabolic uses

NOTE 2 Information need not be provided regarding TIC for any products.com Assembly not intended for transport or mechanical use.

NOTE 3 If the requirements of 2011.2.4.2a are met, it is not required to enter any data in the columns related to TTS, TBI or TIC.

NOTE 4 If the requirements of 201.13.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |





Table S21.423 - Accruals subject reporting table

| Index label                    |                                      | MT                   |       | Scan |     | TDS       |     | TIB       |           | TTC |  |
|--------------------------------|--------------------------------------|----------------------|-------|------|-----|-----------|-----|-----------|-----------|-----|--|
| Maximum Index Values           |                                      | 1.6                  | -     | -    | -   | 0.84      | -   | 2.5       | 2.6       |     |  |
| Associated acoustic parameters | $P_{r,a}$                            | (MPa)                | 2.6   | -    | -   | -         | -   | -         | -         |     |  |
|                                | $P_{r,i}$                            | (mW)                 |       | -    | -   | 36        | -   | 41        | 45        |     |  |
|                                | Min of $[P_{r,i}, I_{r,w}, I_{r,l}]$ | (mW)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $F_{r,a}$                            | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $F_{r,w}$                            | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $F_{r,l}$                            | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $F_{r,a}$ at max. $I_{r,w}$          | (cm)                 | 2.1   | -    | -   | -         | -   | 0.64      | -         |     |  |
|                                | $I_{r,w}$ at max. $I_{r,w}$          | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $I_{r,w}$ at max. $I_{r,l}$          | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | Dim of $I_{r,w}$                     | (MHz)                | D2-55 | -    | -   | D4-56     | -   | D3-33     | C3-30,2-6 |     |  |
| Other information              | Dim of $I_{r,w}$                     | (cm)                 | -     | -    | -   | 0.72      | -   | 0.18      | 0.18      |     |  |
|                                | Dim of $I_{r,w}$                     | (cm)                 | -     | -    | -   | 0.80      | -   | 0.80      | 0.80      |     |  |
|                                | $I_{r,a}$                            | (μsec)               | 1.5   | -    | -   | -         | -   | -         | -         |     |  |
|                                | $P_{r,i}$                            | (Hz)                 | 666   | -    | -   | -         | -   | -         | -         |     |  |
|                                | $P_{r,i}$ at max. $I_{r,w}$          | (MPa)                | 3.0   | -    | -   | -         | -   | -         | -         |     |  |
|                                | $I_{r,w}$ at max. $I_{r,w}$          | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $I_{r,w}$ at max. $I_{r,l}$          | (W/cm <sup>2</sup> ) | 373   | -    | -   | -         | -   | 0.32      | -         |     |  |
|                                | Focal Length                         | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | $I_{r,l}$                            | (cm)                 |       | -    | -   | -         | -   | -         | -         |     |  |
|                                | PWR%                                 | (%)                  | 100   | -    | -   | 100       | -   | 100       | 100       | 100 |  |
| Operating control conditions   | Tx Mode                              | 10/10m/Pw            | -     | -    | -   | 10/10m/Pw | -   | 10/10m/Pw | 10/10m/Pw |     |  |
|                                | Wave Mode                            | THI/(mT)             | -     | -    | -   | FND       | -   | PND       | THI/(mT)  |     |  |
|                                | Frequency (B)                        | Reso                 | -     | -    | -   | -         | -   | -         | -         |     |  |
|                                | Focus (B)                            | F1                   | -     | -    | -   | -         | -   | -         | -         |     |  |
|                                | Scans (B)                            | 100                  | -     | -    | -   | 26        | -   | 26        | 26        |     |  |
|                                | Range                                | 24.0                 | -     | -    | -   | 12.0      | -   | 9.0       | 3.0       |     |  |
|                                | PRF Limit                            | ON                   | -     | -    | -   | OFF       | -   | OFF       | OFF       |     |  |
|                                | Line Density                         | Low                  | -     | -    | -   | Low       | -   | Low       | Low       |     |  |
|                                | Pw Mode                              | aFlow                | -     | -    | -   | aFlow     | -   | aFlow     | Flow      |     |  |
|                                | Ref. Frequency (Color)               | Std                  | -     | -    | -   | Reso      | -   | Reso      | Std       |     |  |
|                                | Focus (Color)                        | F1                   | -     | -    | -   | F3        | -   | F2        | F1        |     |  |
|                                | Flow% (Color)                        | 100                  | -     | -    | -   | 15        | -   | 15        | 15        |     |  |
|                                | Color Velocity Range                 | (cm/s)               | 6.21  | -    | -   | 19.92     | -   | 33.42     | 45.97     |     |  |
|                                | Packet Size                          | Low                  | -     | -    | -   | Low       | -   | Low       | Low       |     |  |
|                                | Flow Area Depth                      | (cm)                 | 24.0  | -    | -   | 12.0      | -   | 9.0       | 3.0       |     |  |
|                                | Color Line Density                   | 1                    | -     | -    | -   | 1         | -   | 1         | 1         |     |  |
|                                | Pw Mode                              | Pw                   | -     | -    | -   | PW        | -   | PW        | PW        |     |  |
|                                | High PRF                             | OFF                  | -     | -    | -   | OFF       | -   | OFF       | OFF       |     |  |
|                                | Ref. Frequency (D)                   | Freset               | -     | -    | -   | Reso      | -   | Std       | Preset    |     |  |
|                                | Focus (D)                            | F5                   | -     | -    | -   | F7        | -   | F1        | F1        |     |  |
|                                | Doppler Velocity Range               | (cm/s)               | 8.30  | -    | -   | 28.46     | -   | 159.38    | 75.89     |     |  |
|                                | Sample gate size                     | (cm)                 | 0.1   | -    | -   | 0.1       | -   | 0.1       | 0.1       |     |  |
|                                | Sample gate depth                    | (cm)                 | 5.4   | -    | -   | 7.0       | -   | 0.0       | 0.0       |     |  |
|                                | Triplets Frame Rate                  | Medium               | -     | -    | -   | Medium    | -   | Medium    | Medium    |     |  |
|                                | Triplets VEL Range                   | BFix                 | -     | -    | -   | BFix      | -   | BFix      | BFix      |     |  |
|                                | Flow Area Lock                       | OFF                  | -     | -    | OFF | -         | OFF | OFF       | OFF       |     |  |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal ophthalmic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TB or TIC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML

NOTE 5. Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $B$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T/I              | 40% or 0.4, whichever larger |

Table 201.03 - Automatic output reporting table

| Index label                    |                                          | MT       | Scan      | TDS | TIR | TTC       |
|--------------------------------|------------------------------------------|----------|-----------|-----|-----|-----------|
| Maximum Index Value            |                                          | 1.6      | 0.88      | -   | -   | 2.8       |
| Associated acoustic parameters | $P_{r,a}$ (MPa)                          | 2.6      |           |     |     |           |
|                                | $P_{r,w}$ (mW)                           |          | 39        |     |     | 48        |
|                                | Min of $[P_{r,i,j}] / f_{max}(i,j)$ (mW) |          |           |     |     |           |
|                                | $f_{r,a}$ (cm)                           |          |           |     |     |           |
|                                | $f_{r,w}$ (cm)                           |          |           |     |     |           |
|                                | $f_{r,b}$ (cm)                           |          |           |     |     |           |
|                                | $f_{r,z}$ at max. $f_{r,a}$ (cm)         | 1.9      |           |     |     |           |
|                                | $f_{r,z}$ at max. $f_{r,w}$ (cm)         |          |           |     |     |           |
|                                | $f_{r,z}$ at max. $f_{r,b}$ (cm)         |          |           |     |     |           |
|                                | $f_{r,z}$ at max. $f_{r,z}$ (cm)         |          |           |     |     |           |
| Other Information              | $f_{ref}$ (MHz)                          | C2.58    | B4.7,C4.8 |     |     | B2.9,C3.3 |
|                                | Dim of $A_{opt}$ (cm)                    | X        | 0.72      |     |     | -         |
|                                | Dim of $A_{opt}$ (cm)                    | Y        | 0.80      |     |     | -         |
|                                | $f_d$ (usec)                             |          | 1.0       |     |     |           |
|                                | $f_{err}$ (Hz)                           |          | 725       |     |     |           |
|                                | $P_{r,a}$ at max. $f_{r,p}$ (MPa)        |          | 3.0       |     |     |           |
|                                | $f_{r,a}$ at max. $f_{r,p}$ (cm)         |          |           |     |     |           |
|                                | $f_{r,a}$ at max. MT (cm)                | 352      |           |     |     |           |
|                                | Focal Length $f_{f,x}$ (cm)              |          | 2.9       |     |     | 0.28      |
|                                | Focal Length $f_{f,y}$ (cm)              |          | 3.0       |     |     | 2.7       |
| Operating control conditions   | PWR% (%)                                 | 100      | 100       |     |     | 100       |
|                                | Tx Mode                                  | BtFlow   | BtFlow    |     |     | BtFlow    |
|                                | Wave Mode                                | THI(PmT) | PND       |     |     | THI(PmT)  |
|                                | Frequency (B)                            | Reso     | Std       |     |     | Std       |
|                                | Focus (B)                                | F1       | P5        |     |     | F1        |
|                                | Scan% (B)                                | 100      | 26        |     |     | 26        |
|                                | Range                                    | 24.0     | 9.0       |     |     | 3.0       |
|                                | PRF Limit                                | ON       | OFF       |     |     | OFF       |
|                                | Line Density                             | Low      | Medium    |     |     | Medium    |
|                                | Flow Mode                                | eFlow    | eFlow     |     |     | Flow      |
| Flow Area Lock                 | Ref. Frequency (Color)                   | Penet    | Reso      |     |     | Std       |
|                                | Focus (Color)                            | F3       | F4        |     |     | F1        |
|                                | Flow% (Color)                            | 100      | 15        |     |     | 15        |
|                                | Color Velocity Range (cm/s)              | 0.63     | 19.92     |     |     | 99.61     |
|                                | Packet Size                              | Low      | Medium    |     |     | Medium    |
|                                | Flow Area Depth                          | 24.0     | 9.0       |     |     | 3.0       |
|                                | Color Line Density                       | 1        | 2         |     |     | 2         |
|                                | Pw Mode                                  | n/a      | n/a       |     |     | n/a       |
|                                | High PRF                                 | n/a      | n/a       |     |     | n/a       |
|                                | Ref. Frequency (D)                       | n/a      | n/a       |     |     | n/a       |
| Flow Area Lock                 | Focus (D)                                | n/a      | n/a       |     |     | n/a       |
|                                | Doppler Velocity Range (cm/s)            | n/a      | n/a       |     |     | n/a       |
|                                | Sample gate size (cm)                    | n/a      | n/a       |     |     | n/a       |
|                                | Sample gate depth (cm)                   | n/a      | n/a       |     |     | n/a       |
|                                | Triplex Frame Rate                       | n/a      | n/a       |     |     | n/a       |
|                                | Triplex VIEL Range                       | n/a      | n/a       |     |     | n/a       |
|                                | Flow Area Lock                           | n/a      | n/a       |     |     | n/a       |

| Flow Area Lock | Flow Area Lock |
|----------------|----------------|
|----------------|----------------|

NOTE: Data should not be entered in case of the lock area needed to the

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TN or TIC.

NOTE 4 If the requirements of 20.1.2.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| M1               | 20% or 0.2, whichever larger |
| T1               | 40% or 0.4, whichever larger |

Table 204.903 - Approved output reporting table

|                                | Index label                                       | M/I   | TDS                                  | TIB                                  | TTC  |
|--------------------------------|---------------------------------------------------|-------|--------------------------------------|--------------------------------------|------|
|                                |                                                   |       | Scan                                 | Non-scan                             |      |
|                                |                                                   |       | $A_{\text{avg}} \leq 1 \text{ cm}^2$ | $A_{\text{avg}} \leq 1 \text{ cm}^2$ |      |
| Associated acoustic parameters | Maximum Index Value                               | 0.038 | -                                    | -                                    | 1.7  |
|                                | $P_{c,s}$ (MPa)                                   | 0.11  | -                                    | -                                    | -    |
|                                | $I_p$ (mW)                                        | -     | -                                    | -                                    | 46   |
|                                | Min of $[P_s(f_s), I_{\text{max}}(f_s)]$          | -     | -                                    | -                                    | -    |
|                                | $f_s$ (cm)                                        | -     | -                                    | -                                    | -    |
|                                | $f_{\text{to}}$ (cm)                              | -     | -                                    | -                                    | -    |
|                                | $f_s$ (cm)                                        | -     | -                                    | -                                    | 1.2  |
|                                | $f_s$ at max. $I_{\text{ave}}$ (cm)               | 0.59  | -                                    | -                                    | -    |
| Other information              | $d_{\text{eff}(f_s)}$ (cm)                        | -     | -                                    | -                                    | -    |
|                                | $f_{\text{ref}}$ (MHz)                            | 3.4   | -                                    | -                                    | 0.30 |
|                                | Dim of $A_{\text{ave}}$ X Y (cm)                  | -     | -                                    | -                                    | 3.4  |
|                                | X Y (cm)                                          | -     | -                                    | -                                    | 0.45 |
|                                | Y (cm)                                            | -     | -                                    | -                                    | 0.80 |
|                                | $t_d$ (μsec)                                      | -     | -                                    | -                                    | -    |
|                                | $p_{\text{err}}$ (%)                              | -     | -                                    | -                                    | -    |
|                                | $P_s$ at max. $I_{\text{ave}}$ (MPa)              | 0.11  | -                                    | -                                    | 0.33 |
| Operating control conditions   | $P_s$ at max. $I_{\text{ave}}$ (cm)               | -     | -                                    | -                                    | -    |
|                                | $f_{\text{ave}}$ at max. M/T (W/cm <sup>2</sup> ) | -     | -                                    | -                                    | -    |
|                                | Focal Length FTLx Fly (cm)                        | -     | -                                    | -                                    | -    |
|                                | FWHM Fly (%)                                      | 100   | -                                    | -                                    | 0.70 |
|                                | Cw - Cw                                           | -     | -                                    | -                                    | 2.6  |
|                                | Wave Mode n/a                                     | n/a   | -                                    | -                                    | 100  |
|                                | Frequency (B) n/a                                 | n/a   | -                                    | -                                    | 100  |
|                                | Focus (B) n/a                                     | n/a   | -                                    | -                                    | 100  |
| Operating control conditions   | Search (B) (%)                                    | n/a   | -                                    | -                                    | n/a  |
|                                | Range (cm)                                        | n/a   | -                                    | -                                    | n/a  |
|                                | PRF Limit n/a                                     | n/a   | -                                    | -                                    | n/a  |
|                                | Line Density n/a                                  | n/a   | -                                    | -                                    | n/a  |
|                                | Flow Mode n/a                                     | n/a   | -                                    | -                                    | n/a  |
|                                | Ref. Frequency (Color) n/a                        | n/a   | -                                    | -                                    | n/a  |
|                                | Focus (Color) n/a                                 | n/a   | -                                    | -                                    | n/a  |
|                                | Color Velocity Range (cm/s)                       | n/a   | -                                    | -                                    | n/a  |
| Operating control conditions   | Packed Size n/a                                   | n/a   | -                                    | -                                    | n/a  |
|                                | Flow Area Depth (cm)                              | n/a   | -                                    | -                                    | n/a  |
|                                | Color Line Density n/a                            | n/a   | -                                    | -                                    | n/a  |
|                                | Pw Mode n/a                                       | n/a   | -                                    | -                                    | n/a  |
|                                | High PRF n/a                                      | n/a   | -                                    | -                                    | n/a  |
|                                | Ref. Frequency (D) n/a                            | n/a   | -                                    | -                                    | n/a  |
|                                | Focus (D) F1 - F2 - F7 n/a                        | n/a   | -                                    | -                                    | n/a  |
|                                | Doppler Velocity Range (cm/s)                     | n/a   | -                                    | -                                    | n/a  |
| Operating control conditions   | Sample gate size (cm)                             | n/a   | -                                    | -                                    | n/a  |
|                                | Sample gate depth (cm)                            | n/a   | -                                    | -                                    | n/a  |
|                                | Triple Frame Rate n/a                             | n/a   | -                                    | -                                    | n/a  |
|                                | Triple VFL Range n/a                              | n/a   | -                                    | -                                    | n/a  |
|                                | Flow Area Lock n/a                                | n/a   | -                                    | -                                    | n/a  |
|                                | Flow Area Lock n/a                                | n/a   | -                                    | -                                    | n/a  |
|                                | Flow Area Lock n/a                                | n/a   | -                                    | -                                    | n/a  |
|                                | Flow Area Lock n/a                                | n/a   | -                                    | -                                    | n/a  |

NOTE 1 Data should only be entered in case of the values related to TDS

NOTE 2 Information need not be provided regarding TTC for any "nonscan" parameter - not intended for transcranial or noncranial applications

NOTE 3 If the requirements of 201.114.2.6 are met, it is not required to enter any data in the column related to TDS, TIB or TTC.

NOTE 4 If the requirements of 201.114.2.6 are met, it is not required to enter data in the columns related to MS.

NOTE 5 If the requirements of 201.114.2.6 are met, it is not required to enter data in the columns related to MS.

**NOTE !** Data should only be entered in one of the columns related to TIS

DISCLAIMER: Information need not be submitted regarding TIC for any transactions assuming not intended for transactional or nontransactional uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TBS or TIC.

NOTE 4. If the requirements of 201.12.4.2b are

|                |        |
|----------------|--------|
| $P$            | 25.00% |
| $I_{\text{H}}$ | 37.14% |
| $P_{\text{c}}$ | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

Convex

VC35

Acoustic power is controllable by the user.

| parameter         | Mode     | B <sub>0</sub> | B <sub>0max</sub> | (B+M)    | M <sub>0</sub> | M <sub>0max</sub> | D <sub>0</sub> | D <sub>0max</sub> | (M+Color)P | (M+Color)lapla | (B+D) <sub>0</sub> | (B+D) <sub>0max</sub> | (B+Color)P | (B+Color)lapla | (B+Color+D)P | (B+Color+D)lapla |
|-------------------|----------|----------------|-------------------|----------|----------------|-------------------|----------------|-------------------|------------|----------------|--------------------|-----------------------|------------|----------------|--------------|------------------|
| Maximum power     | (mW)     | 158            | 69                | 55       | 21             | 38                | 30             | 39                | 22         | 44             | 24                 | 42                    | 31         | 63             | 23           | 41               |
| p <sub>0</sub>    | (MPa)    | 3.6            | 2.0               | 3.5      | 3.5            | 3.2               | 3.2            | 0.90              | 3.2        | 1.8            | 3.6                | 2.8                   | 3.6        | 2.2            | 3.6          | 2.8              |
| p <sub>0max</sub> | (MPa)    | 129            | 102               | 53       | 20             | 45                | 29             | 49                | 28         | 55             | 34                 | 58                    | 51         | 101            | 46           | 54               |
| p <sub>0max</sub> | (mW/cm²) | 41             | 94                | 377      | 307            | 603               | 457            | 903               | 439        | 883            | 111                | 793                   | 7.0        | 134            | 159          | 840              |
| PowerPct          | (%)      | 100            | 100               | 100      | 100            | 100               | 100            | 100               | 100        | 100            | 100                | 100                   | 100        | 100            | 100          | 100              |
| Wave Mode         | THQ(Pnt) | B              | B                 | B/M      | M              | M                 | Pw             | Pw                | M/Flow     | M/Flow         | B/Pw               | B/Pw                  | B/Flow     | B/Flow         | B/Flow       | B/Flow           |
| Frequency (B)     | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Focus (B)         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Beam (B)          | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Range             | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| PRF Limit         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Line Density      | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt) | FND            | THQ(Pnt)          | Pw             | Pw                | -          | -              | THQ(Pnt)           | THQ(Pnt)              | THQ(Pnt)   | THQ(Pnt)       | THQ(Pnt)     | THQ(Pnt)         |
| Flow Mode         | THQ(Pnt) | THQ(Pnt)       | THQ(Pnt)          | THQ(Pnt  |                |                   |                |                   |            |                |                    |                       |            |                |              |                  |

| Measured (mole %) |           |
|-------------------|-----------|
| $P$               | 38.00%    |
| $I_A$             | 37.16%    |
|                   | 1.00 mole |

Table 201.103 – Acoustic output reporting table

| Index label                    | MI                                                                                | TIS     |                                                                              | TIB     | TTC     |
|--------------------------------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------|---------|---------|
|                                |                                                                                   | Scan    | Non-scan<br>$A_{\text{eq}} \text{cm}^2 \cdot A_{\text{eq}}^{-2} \text{cm}^2$ |         |         |
| Maximum Index Value            | 1.6                                                                               | 0.82    | -                                                                            | 0.95    | 1.3     |
| Associated acoustic parameters | $P_{\text{r}, \alpha}$<br>(MPa)                                                   |         |                                                                              |         |         |
|                                | $P$<br>(mW)                                                                       | 39      | -                                                                            | 27      | 120     |
|                                | Min of $[P_{\text{r}}(t_{\text{r}}, I_{\text{m}, \alpha}(t_{\text{r}}))]$<br>(mW) |         | -                                                                            |         |         |
|                                | $P_{\text{r}}$<br>(cm)                                                            |         | -                                                                            |         |         |
|                                | $I_{\text{m}, \alpha}$<br>(cm)                                                    |         | -                                                                            |         |         |
|                                | $P_{\text{r}}$<br>(cm)                                                            |         |                                                                              | 3.3     |         |
|                                | $P$ at max $I_{\text{m}, \alpha}$<br>(cm)                                         |         |                                                                              |         |         |
|                                | $I_{\text{m}, \alpha}(t_{\text{r}})$<br>(cm)                                      | 0.51    |                                                                              |         |         |
|                                | $f_{\text{m}, \alpha}$<br>(MHz)                                                   | 2.6     | -                                                                            | 2.8     | 2.5     |
|                                | Dir of $I_{\text{m}, \alpha}$<br>(cm)                                             | 4.5     | -                                                                            | 1.1     | 6.0     |
| Other Information              | X<br>(cm)                                                                         | 2.2     | -                                                                            |         |         |
|                                | Y<br>(cm)                                                                         | 0.98    | -                                                                            | 0.98    | 0.98    |
|                                | $I_{\text{d}}$<br>(μsec)                                                          | 0.65    |                                                                              |         |         |
|                                | $p_{\text{err}}$<br>(Hz)                                                          | 2426    |                                                                              |         |         |
|                                | $P_{\text{r}}$ at max $I_{\text{m}, \alpha}$<br>(MPa)                             | 2.6     |                                                                              |         |         |
|                                | $I_{\text{m}, \alpha}$ at max $I_{\text{m}, \alpha}$<br>(cm)                      |         |                                                                              | 0.31    |         |
|                                | $I_{\text{m}, \alpha}$ at max MI<br>(W/cm <sup>2</sup> )                          | 233     | -                                                                            |         | 8.7     |
|                                | Focal Length<br>(cm)                                                              |         | 2.4                                                                          | -       |         |
|                                | FLX<br>(cm)                                                                       |         | 5.0                                                                          | -       | 3.5     |
|                                | FLY<br>(%)                                                                        |         | 100                                                                          | -       | 100     |
| Operating control conditions   | PWR%                                                                              | 100     | -                                                                            | B/M     | B/M     |
|                                | Tx Mode                                                                           | B/M     | -                                                                            | B/M     | B/M     |
|                                | Wave Mode                                                                         | THI(Pr) | -                                                                            | THI(Pr) | THI(Pr) |
|                                | Frequency (B)                                                                     | Reno    | -                                                                            | Reno    | Reno    |
|                                | Focus (B)                                                                         | F1      | F2                                                                           | -       | F4      |
|                                | Scan/s (B)                                                                        | 100     | 25                                                                           | -       | 100     |
|                                | Range                                                                             | 24.0    | 4.5                                                                          | -       | 24.0    |
|                                | PRF Limit                                                                         | ON      | OFF                                                                          | -       | ON      |
|                                | Line Density                                                                      | Low     | Low                                                                          | -       | Low     |
|                                | Flow Mode                                                                         | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Ref. Frequency (Color)                                                            | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Focus (Color)                                                                     | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Flow/s (Color)                                                                    | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Color Velocity Range<br>(cm/s)                                                    | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Packer Size                                                                       | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Flow Area Depth<br>(cm)                                                           | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Color Line Density                                                                | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Pw Mode                                                                           | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | High PRF                                                                          | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Ref. Frequency (D)                                                                | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Focus (D)                                                                         | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Doppler Velocity Range<br>(cm/s)                                                  | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Sample gate size<br>(cm)                                                          | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Sample gate depth<br>(cm)                                                         | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Triplets Frame Rate                                                               | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Triplets VEL Range                                                                | n/a     | n/a                                                                          | n/a     | n/a     |
|                                | Flow Area Lock                                                                    | n/a     | n/a                                                                          | n/a     | n/a     |

NOTE 1 Data should only be entered in one of the columns related to TBS.

NOTE 2: Information need not be provided regarding TIG for any transactions arising not intended for transactional or recurrent cashless uses

**NOTE 2:** Applicants need not be provided regarding TIO for any inconsistent statements; they are not required to enter any data in the columns related to TIS, TBS or TIO.

**NOTE 3:** If the candidates of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TBS or TIO.

NOTE 4 If the requirements of 201, 12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_M$                       | 37.14% |
| $p_v$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                        | M/I                  | T/S                                   |                                   | T/B      | T/C      |
|--------------------------------|----------------------------------------|----------------------|---------------------------------------|-----------------------------------|----------|----------|
| Maximum Index Value            |                                        |                      | Scan                                  | Non-scan                          | Non-scan |          |
|                                |                                        |                      | $A_{\text{scan}} \leq 1 \text{ cm}^2$ | $A_{\text{non}} > 1 \text{ cm}^2$ |          |          |
| Associated acoustic parameters | $P_{c,a}$                              | (MPa)                | 1.6                                   | -                                 | -        | 1.7      |
|                                | $P_c$                                  | (mW)                 | 2.6                                   | -                                 | -        | -        |
|                                | $\text{Min}([P_a(t_s), I_{a,s}(t_s)])$ | (mW)                 | -                                     | 44                                | -        | 182      |
|                                | $I_a$                                  | (cm)                 | -                                     | -                                 | -        | -        |
|                                | $I_{a,w}$                              | (cm)                 | -                                     | -                                 | -        | -        |
|                                | $I_b$                                  | (cm)                 | -                                     | -                                 | -        | -        |
|                                | $s$ at max. $I_{a,s}$                  | (cm)                 | 0.51                                  | -                                 | -        | -        |
|                                | $d_{a,s}(t_s)$                         | (cm)                 | -                                     | -                                 | -        | 2.5      |
|                                | $f_{ad}$                               | (MHz)                | 2.6                                   | 4.5                               | -        | 6.0      |
| Other information              | $\text{Dim of } A_{\text{opt}}$        | (cm)                 | 2.2                                   | -                                 | -        | 0.98     |
|                                | X                                      | (cm)                 | -                                     | -                                 | -        | -        |
|                                | Y                                      | (cm)                 | -                                     | -                                 | -        | -        |
|                                | $t_d$                                  | ( $\mu\text{s}$ )    | 0.65                                  | -                                 | -        | -        |
|                                | $p_{rr}$                               | (Hz)                 | 2378                                  | -                                 | -        | -        |
|                                | $P_r$ at max. $I_\mu$                  | (MPa)                | 2.6                                   | -                                 | -        | -        |
|                                | $d_{a,r}$ at max. $I_\mu$              | (cm)                 | -                                     | -                                 | -        | -        |
|                                | $d_{a,s}$ at max. $M_I$                | (W/cm <sup>2</sup> ) | 233                                   | -                                 | -        | -        |
|                                | Focal Length                           | (cm)                 | 2.4                                   | -                                 | -        | 7.2      |
| Operating control conditions   | $F_L x$                                | (cm)                 | -                                     | -                                 | -        | -        |
|                                | $F_L y$                                | (cm)                 | 5.0                                   | -                                 | -        | 3.5      |
|                                | PWR%                                   | (%)                  | 100                                   | 100                               | -        | 100      |
|                                | Tx Mode                                | B                    | -                                     | -                                 | -        | B        |
|                                | Wave Mode                              | THI(FmT)             | -                                     | -                                 | -        | THI(FmT) |
|                                | Frequency (B)                          | Reno                 | -                                     | -                                 | -        | Reno     |
|                                | Focus (B)                              | F1                   | -                                     | -                                 | -        | F6       |
|                                | Scan's (B)                             | (%)                  | 100                                   | 25                                | -        | 100      |
|                                | Range                                  | (cm)                 | 24.0                                  | 4.5                               | -        | 24.0     |
|                                | PRF Limit                              | ON                   | OFF                                   | -                                 | -        | ON       |
|                                | Line Density                           | Low                  | High                                  | -                                 | -        | Low      |
|                                | Flow Mode                              | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Ref. Frequency (Color)                 | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Focus (Color)                          | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Flow's (Color)                         | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Color Velocity Range                   | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Pickles Size                           | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Flow Area Depth                        | (cm)                 | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Color Line Density                     | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Pw Mode                                | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | High PRF                               | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Ref. Frequency (D)                     | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Focus (D)                              | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Doppler Velocity Range                 | (cm/s)               | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Sample gate size                       | (cm)                 | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Sample gate depth                      | (cm)                 | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Sample Frame Rate                      | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Triplets Frame Rate                    | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Triplets VEL Range                     | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |
|                                | Flow Area Lock                         | n/a                  | n/a                                   | n/a                               | n/a      | n/a      |

NOTE 1 Data should only be entered in one of the columns related to TDS

**NOTE 2:** Information need not be provided regarding TIC for any transaction assuming not intended for transactional or neonatal cephalo uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, THH or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| 25.00%                      |
| $I_M$                       |
| 37.14%                      |
| $P_i$                       |
| 18.75%                      |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table

| Index label                  |                                                                          | MI                   | Scan | TIS                                  | Non-scan                             | TIB   | TTC     |
|------------------------------|--------------------------------------------------------------------------|----------------------|------|--------------------------------------|--------------------------------------|-------|---------|
|                              |                                                                          |                      |      | $A_{\text{ave}} < 1 \text{ cm}^{-1}$ | $A_{\text{ave}} < 1 \text{ cm}^{-1}$ |       |         |
| Maximum Index Value          | $p_{\text{r}, \text{p}}$                                                 | (MPa)                | 1.4  | -                                    | 0.83                                 | -     | 1.6     |
|                              | $p_{\text{r}}$                                                           | (mW)                 | 2.3  | -                                    | 46                                   | -     | 49      |
|                              | $\text{Min of } [p_{\text{r}}[t_{\text{r}}, t_{\text{h}}[t_{\text{r}}]]$ | (mW)                 |      | -                                    | -                                    | -     |         |
|                              | $t_{\text{r}}$                                                           | (cm)                 |      | -                                    | -                                    | -     |         |
|                              | $t_{\text{h}}$                                                           | (cm)                 |      | -                                    | -                                    | -     |         |
|                              | $p_{\text{r}}$                                                           | (cm)                 |      | -                                    | -                                    | -     |         |
|                              | $p_{\text{r}}$ at max. $t_{\text{r}}$                                    | (cm)                 | 0.41 | -                                    | -                                    | -     |         |
|                              | $t_{\text{h}}$                                                           | (cm)                 |      | -                                    | -                                    | -     |         |
|                              | $d_{\text{r}}[t_{\text{r}}]$                                             | (cm)                 |      | -                                    | -                                    | -     |         |
|                              | $f_{\text{d}}$                                                           | (MHz)                | 2.5  | -                                    | 3.8                                  | -     | 3.2     |
| Other                        | Dim of $A_{\text{ave}}$                                                  | X                    | -    | -                                    | 0.94                                 | -     | 0.44    |
|                              | Y                                                                        |                      | -    | -                                    | 0.98                                 | -     | 0.98    |
| Information                  | $t_{\text{r}}$                                                           | (Hz)                 | 1.5  | -                                    | -                                    | -     | -       |
|                              | $p_{\text{r}}$                                                           | (μsec)               | 1085 | -                                    | -                                    | -     | -       |
|                              | $p_{\text{r}}$ at max. $t_{\text{r}}$                                    | (MPa)                | 2.3  | -                                    | -                                    | -     | -       |
|                              | $d_{\text{r}}$ at max. $t_{\text{r}}$                                    | (cm)                 |      | -                                    | -                                    | -     | -       |
|                              | $d_{\text{r}}$ at max. $t_{\text{r}}$                                    | (W/cm <sup>2</sup> ) | 190  | -                                    | -                                    | -     | -       |
|                              | $f_{\text{d}}$                                                           | (cm)                 |      | -                                    | -                                    | -     | -       |
|                              | $f_{\text{d}}$                                                           | (cm)                 |      | -                                    | -                                    | -     | -       |
|                              | $f_{\text{d}}$                                                           | (cm)                 |      | -                                    | -                                    | -     | -       |
|                              | $f_{\text{d}}$                                                           | (cm)                 |      | -                                    | -                                    | -     | -       |
|                              | $f_{\text{d}}$                                                           | (cm)                 |      | -                                    | -                                    | -     | -       |
| Operating control conditions | $p_{\text{r}}/2\%$                                                       | (%)                  | 100  | -                                    | 100                                  | -     | 100     |
|                              | TX Mode                                                                  | MFlow                | -    | MFlow                                | -                                    | MFlow | MFlow   |
|                              | Wave Mode                                                                | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Frequency (B)                                                            | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Focus (B)                                                                | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Scan's (B)                                                               | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Range                                                                    | 24.0                 | -    | 24.0                                 | -                                    | 8.0   | 8.0     |
|                              | PRF Limit                                                                | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Line Density                                                             | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Flow Mode                                                                | Flow                 | -    | Flow                                 | -                                    | eFlow | Flow    |
| Flow Mode                    | Ref. Frequency (Color)                                                   | Percent              | -    | Ratio                                | -                                    | Std   | Percent |
|                              | Focus (Color)                                                            | F1                   | -    | F4                                   | -                                    | F1    | F1      |
|                              | Flow's (Color)                                                           | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Color Velocity Range                                                     | 16.60                | -    | 36.22                                | -                                    | 66.41 | 72.44   |
|                              | Pixel Size                                                               | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Flow Area Depth                                                          | 24.0                 | -    | 24.0                                 | -                                    | 24.0  | 24.0    |
|                              | Color Line Density                                                       | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Pw Mode                                                                  | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | High PRF                                                                 | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Ref. Frequency (D)                                                       | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
| Flow Mode                    | Focus (D)                                                                | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Doppler Velocity Range                                                   | (cm/s)               | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Sample gate size                                                         | (cm)                 | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Sample gate depth                                                        | (cm)                 | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Triple Frame Rate                                                        | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Triple Frame Rate                                                        | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Triple Frame Rate                                                        | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Flow Area Lock                                                           | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Flow Area Lock                                                           | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |
|                              | Flow Area Lock                                                           | n/a                  | n/a  | n/a                                  | n/a                                  | n/a   | n/a     |

NOTE 1 Data should only be provided in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TTC for any measurement summary not intended for transmission or manual capital use

NOTE 3 If the requirements of 20.112.4.20 are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4 If the requirements of 20.112.4.20 are met, it is not required to enter any data in the columns related to MI.

NOTE 1 Data should only be entered in one of the columns related to TIS  
NOTE 2 Information need not be provided regarding TIS for any transducer sensors not intended for transducer or neonatal cephalo use  
NOTE 3 If the requirements of 2011.24.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TIO.  
NOTE 4 If the requirements of 2011.24.2b are met, it is not required to enter any data in the columns related to M.

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

| measurement uncertainty (%) |
|-----------------------------|
| $p$                         |
| $I_p$                       |
| $p^*$                       |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

NOTE 1 Data should only be entered in one of the columns related to TIS

|                             |         |
|-----------------------------|---------|
| measurement uncertainty (%) |         |
| $p$                         | 25.00%  |
| $I_H$                       | 37.14%  |
| $n$                         | 4.0755% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T/I              | 40% or 0.4, whichever larger |

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

VC41V Convex

Acoustic power is controllable by the user.

| parameter                        | Mode     | B <sub>0</sub> | B <sub>type</sub> | M <sub>0</sub> | M <sub>type</sub> | D <sub>0</sub> | D <sub>type</sub> | Δ <sub>type</sub> | (M+Color)p | (M+Color)jpa | (B+D) <sub>0</sub> | (B+D) <sub>type</sub> | (B+Color)p | (B+Color)jpa | (B+Color+D)p | (B+Color+D)jpa |
|----------------------------------|----------|----------------|-------------------|----------------|-------------------|----------------|-------------------|-------------------|------------|--------------|--------------------|-----------------------|------------|--------------|--------------|----------------|
| Maximum power                    | (mW)     | 45             | 28                | 12             | 19                | 20             | 23                | 23                | 14         | 21           | 11                 | 23                    | 15         | 23           | 5.3          | 23             |
| p                                | (MPa)    | 4.2            | 2.2               | 4.2            | 3.8               | 3.2            | 0.94              | 0.94              | 3.2        | 1.8          | 4.2                | 2.8                   | 4.2        | 2.4          | 4.2          | 2.4            |
| I <sub>0</sub>                   | (mW/cm²) | 77             | 159               | 20             | 32                | 37             | 42                | 42                | 35         | 39           | 62                 | 67                    | 62         | 67           | 34           | 44             |
| I <sub>ms</sub>                  | (mW/cm²) | 15             | 41                | 352            | 527               | 454            | 526               | 526               | 322        | 496          | 60                 | 497                   | 5.1        | 61           | 63           | 508            |
| PWR%                             | (%)      | 100            | 100               | 100            | 100               | 100            | 100               | 100               | 100        | 100          | 100                | 100                   | 100        | 100          | 100          | 100            |
| Tx Mode                          |          | B              | B                 | M              | M                 | Pw             | Pw                | Pw                | MFlow      | MFlow        | B/Pw               | B/Pw                  | B/Pw       | B/Pw         | B/Pw         | B/Pw           |
| Wave Mode                        |          | THRP.L         | THRP.L            | THRP.L         | THRP.L            | THRP.L         | THRP.L            | THRP.L            | -          | -            | THRP.L             | THRP.L                | THRP.L     | THRP.L       | THRP.L       | THRP.L         |
| Frequency (B)                    |          | Raso           | Raso              | Raso           | Raso              | Raso           | Raso              | Raso              | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Focus (B)                        |          | F4             | F4                | F4             | F4                | F4             | F4                | F4                | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Scan% (B)                        | (%)      | 25             | 25                | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | 100                | 25                    | 100        | 25           | 100          | 27             |
| Range                            | (cm)     | 17.0           | 17.0              | 17.0           | 17.0              | 17.0           | 17.0              | 17.0              | 17.0       | 17.0         | 17.0               | 13.0                  | 17.0       | 17.0         | 17.0         | 15.0           |
| PRF Limit                        |          | ON             | OFF               | ON             | OFF               | ON             | OFF               | ON                | n/a        | n/a          | ON                 | OFF                   | ON         | OFF          | ON           | OFF            |
| Line Density                     |          | Low            | High              | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | Low                | Low                   | Low        | Low          | Low          | Medium         |
| Flow Mode                        |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Ref. Frequency (Color)           |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Focus (Color)                    |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Flow% (Color)                    | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Color Velocity Range             | (cm/s)   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Predict Size                     |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Flow Area Depth                  | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Color Line Density               |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Pw Mode                          |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| High PRF                         |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Ref. Frequency (D)               |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Focus (D)                        |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Sample gate size                 | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Sample gate depth                | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Triplex Frame Rate               |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Triplex VLL Range                |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Flow Area Lock                   |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| F <sub>0</sub>                   | (Hz)     | 29             | 4.1               | 30             | 29                | 30             | 30                | 30                | 30         | 30           | 29                 | 30                    | 29         | 23           | 29           | 30             |
| w <sub>gas</sub>                 | (L)      | 1.6            | 1.0               | 1.6            | 1.6               | 2.1            | 2.1               | 2.1               | 2.1        | 2.1          | 1.6                | 2.1                   | 1.6        | 2.4          | 1.6          | 2.1            |
| p <sub>rr</sub> (PRF)            | (L)      | 2.3            | 5.8               | 2.3            | 2.3               | 2.3            | 2.3               | 2.3               | 2.3        | 2.3          | 2.3                | 2.3                   | 2.3        | 3.4          | 2.3          | 2.3            |
| p <sub>rr</sub> (SRF)            | (Hz)     | n/a            | n/a               | 1002           | 2003              | 723            | n/a               | n/a               | 1157       | 6614         | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| p <sub>rr</sub>                  |          | 2.0            | 1.0               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| p <sub>rr</sub>                  |          | 71             | 37                | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Output beam dimensions           | (f)      | 9.0            | 2.7               | 9.0            | 9.0               | 8.5            | 8.5               | 8.5               | 8.5        | 8.5          | 9.0                | 8.5                   | 9.0        | 8.5          | 9.0          | 8.5            |
| f <sub>0</sub>                   | (MHz)    | 6.5            | 6.5               | 5.3            | 5.3               | 6.5            | 6.5               | 6.5               | 6.5        | 6.5          | 5.3                | 6.5                   | 6.5        | 5.3          | 6.5          | 6.5            |
| f <sub>0</sub>                   | (MHz)    | 5.3            | 5.4               | 5.3            | 5.3               | 4.5            | 4.5               | 4.5               | 4.8        | 4.8          | 5.3                | 4.5                   | 5.3        | 4.2          | 5.3          | 4.5            |
| Acoustic Power-up fraction       | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Power-up mode                    |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Acoustic Initialization fraction | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Acoustic Initialization mode     |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |
| Acoustic output freeze           |          | Yes            | Yes               | Yes            | Yes               | Yes            | Yes               | Yes               | Yes        | Yes          | Yes                | Yes                   | Yes        | Yes          | Yes          | Yes            |
| f <sub>0</sub>                   | (MHz)    | 2.1            | 2.1               | 2.1            | 2.1               | 2.1            | 2.1               | 2.1               | 2.1        | 2.1          | 2.1                | 2.1                   | 2.1        | 2.1          | 2.1          | 2.1            |
| f <sub>0</sub>                   | (MHz)    | contact        | contact           | contact        | contact           | contact        | contact           | contact           | contact    | contact      | contact            | contact               | contact    | contact      | contact      | contact        |
| Inclusive modes                  |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a               | n/a        | n/a          | n/a                | n/a                   | n/a        | n/a          | n/a          | n/a            |

|                             |        |
|-----------------------------|--------|
| Measurement uncertainty (%) |        |
| p                           | 25.00% |
| f <sub>0</sub>              | 37.14% |
| f <sub>0</sub>              | 18.75% |



Table 201.103 – Acoustic output reporting table

|                              | Index label                              | MI                   | TDS  |          | TIB | TIC  |                                                                       |
|------------------------------|------------------------------------------|----------------------|------|----------|-----|------|-----------------------------------------------------------------------|
|                              |                                          |                      | Scan | Non-scan |     |      |                                                                       |
|                              |                                          |                      |      |          |     |      | $A_{\text{scan}} \text{Clm}^2 / A_{\text{unscanned}} > 1 \text{cm}^2$ |
| Maximum Index Values         | $P_{r,s}$                                | 1.3                  | 0.65 | -        | -   | 0.79 |                                                                       |
|                              | $P_r$                                    | 2.7                  | -    | -        | -   | -    |                                                                       |
|                              | $I_p$                                    | (mW)                 | -    | -        | -   | -    |                                                                       |
|                              | Min of $[P_r(f_s), I_{\text{max}}(f_s)]$ | (mW)                 | -    | -        | -   | -    |                                                                       |
|                              | $f_s$                                    | (cm)                 | -    | -        | -   | -    |                                                                       |
|                              | $f_{\text{top}}$                         | (cm)                 | -    | -        | -   | -    |                                                                       |
|                              | $f_b$                                    | (cm)                 | -    | -        | -   | -    |                                                                       |
|                              | $f_s$ at max. $I_{\text{max}}$           | (cm)                 | 0.53 | -        | -   | 0.63 |                                                                       |
|                              | $I_{\text{max}}$                         | (cm)                 | -    | -        | -   | -    |                                                                       |
|                              | $I_{\text{max}}$                         | (MHz)                | 4.0  | 5.4      | -   | -    | 5.4                                                                   |
| Other Information            | Dim of $A_{\text{un}}$                   | (cm)                 | 1.1  | 0.27     | 1.1 | -    | 5.4                                                                   |
|                              | X                                        | -                    | -    | -        | -   | -    | -                                                                     |
|                              | Y                                        | -                    | 0.65 | -        | -   | 0.65 | 0.65                                                                  |
|                              | $f_s$                                    | (assoc)              | 0.51 | -        | -   | -    | -                                                                     |
|                              | $p_{rr}$                                 | (Hz)                 | 3458 | -        | -   | -    | -                                                                     |
|                              | $P_r$ at max. $I_p$                      | (MPa)                | 2.8  | -        | -   | -    | -                                                                     |
|                              | $I_{\text{max}}$ at max. $I_p$           | (cm)                 | -    | -        | -   | -    | -                                                                     |
|                              | $I_{\text{max}}$ at max. MI              | (W/cm <sup>2</sup> ) | 250  | -        | -   | -    | -                                                                     |
|                              | Focal Length                             | (cm)                 | -    | 0.35     | -   | -    | -                                                                     |
|                              | FLx                                      | (%)                  | -    | 3.6      | -   | -    | -                                                                     |
| Operating control conditions | PWR%                                     | (%)                  | 100  | 100      | -   | -    | 100                                                                   |
|                              | Wave Mode                                | B/M                  | B/M  | B/M      | B/M | B/M  | B/M                                                                   |
|                              | Frequency (B)                            | THU(PnT)             | FND  | -        | -   | FND  | THU(PnT)                                                              |
|                              | Focus (B)                                | Rso                  | Sid  | -        | -   | Sid  | Rso                                                                   |
|                              | Focus (Color)                            | F2                   | F1   | -        | -   | F1   | F1                                                                    |
|                              | Scan's (B)                               | (%)                  | 100  | 25       | -   | 25   | 25                                                                    |
|                              | Range                                    | (cm)                 | 17.0 | 4.0      | -   | 4.0  | 4.0                                                                   |
|                              | PRF Limit                                | ON                   | OFF  | -        | -   | OFF  | OFF                                                                   |
|                              | Line Density                             | Low                  | Low  | -        | -   | Low  | Low                                                                   |
|                              | Flow Mode                                | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Ref. Frequency (Color)                   | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Focus (Color)                            | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Flow's (Color)                           | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Color Velocity Range                     | (cm/s)               | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Packet Size                              | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Flow Area Depth                          | (cm)                 | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Color Line Density                       | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Pw Mode                                  | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | High PRF                                 | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Ref. Frequency (D)                       | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Focus (D)                                | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Doppler Velocity Range                   | (cm/s)               | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Sample gate size                         | (cm)                 | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Sample gate depth                        | (cm)                 | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Triplets Frame Rate                      | (cm)                 | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Triplets VSL Range                       | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |
|                              | Flow Area VSL                            | n/a                  | n/a  | n/a      | n/a | n/a  | n/a                                                                   |

NOTE 1 Data should only be entered in one of the columns related to TDS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for therapeutic or non-invasive applications

NOTE 3 If the requirements of 201:12.4.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 4 If the requirements of 201:12.4.2b are met, it is not required to enter any data in the column related to ME.

NOTE 1 Data should only be entered in one of the columns related to TSS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses.

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TTS, TTB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to M1.

NOTE: 6 Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_p$                       |
| $P_*$                       |

Display accuracy

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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| Index label              |                                                                                   | MT   | TIS      |   | TIB | TTC  |
|--------------------------|-----------------------------------------------------------------------------------|------|----------|---|-----|------|
| Maximum Index Value      |                                                                                   | Scan | Non-scan |   |     |      |
|                          |                                                                                   | 0.71 | -        |   |     | 0.79 |
| Acoustical<br>properties | $P_{\text{ref}}$                                                                  | 2.7  | -        | - | -   | 50   |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $\text{Min of } [P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}]$ | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
| Color                    | $\text{Min of } [P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}]$ | 0.53 | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
| Information              | $\text{Min of } [P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}]$ | 4.0  | -        | - | -   | 5.3  |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
| Operating<br>condition   | $\text{Min of } [P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}, P_{\text{ref}}]$ | 0.35 | -        | - | -   | 3.5  |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |
|                          | $P_{\text{ref}}$                                                                  | -    | -        | - | -   | -    |

NOTE 1: Data should only be entered in case of the address related to TIS.

NOTE 2: Information used and is provided regarding TTC for any equipment separate and included for unattended or automated equipment.

NOTE 3: If the requirements of 301.15.1.1.1 are met, it is not required to enter any data in the address related to TIS, 100 or TIS.

NOTE 4: If the requirements of 301.15.1.1.1 are met, it is not required to enter any data in the address related to TIS.

NOTE 5: Information used and is provided regarding TTC for any equipment separate and included for unattended or automated equipment.

NOTE 6: If the requirements of 301.15.1.1.1 are met, it is not required to enter any data in the address related to TIS, 100 or TIS.

NOTE 7: If the requirements of 301.15.1.1.1 are met, it is not required to enter any data in the address related to TIS.

| Flow Area Code | 36  |
|----------------|-----|
| 1              | 1   |
| 2              | 2   |
| 3              | 3   |
| 4              | 4   |
| 5              | 5   |
| 6              | 6   |
| 7              | 7   |
| 8              | 8   |
| 9              | 9   |
| 10             | 10  |
| 11             | 11  |
| 12             | 12  |
| 13             | 13  |
| 14             | 14  |
| 15             | 15  |
| 16             | 16  |
| 17             | 17  |
| 18             | 18  |
| 19             | 19  |
| 20             | 20  |
| 21             | 21  |
| 22             | 22  |
| 23             | 23  |
| 24             | 24  |
| 25             | 25  |
| 26             | 26  |
| 27             | 27  |
| 28             | 28  |
| 29             | 29  |
| 30             | 30  |
| 31             | 31  |
| 32             | 32  |
| 33             | 33  |
| 34             | 34  |
| 35             | 35  |
| 36             | 36  |
| 37             | 37  |
| 38             | 38  |
| 39             | 39  |
| 40             | 40  |
| 41             | 41  |
| 42             | 42  |
| 43             | 43  |
| 44             | 44  |
| 45             | 45  |
| 46             | 46  |
| 47             | 47  |
| 48             | 48  |
| 49             | 49  |
| 50             | 50  |
| 51             | 51  |
| 52             | 52  |
| 53             | 53  |
| 54             | 54  |
| 55             | 55  |
| 56             | 56  |
| 57             | 57  |
| 58             | 58  |
| 59             | 59  |
| 60             | 60  |
| 61             | 61  |
| 62             | 62  |
| 63             | 63  |
| 64             | 64  |
| 65             | 65  |
| 66             | 66  |
| 67             | 67  |
| 68             | 68  |
| 69             | 69  |
| 70             | 70  |
| 71             | 71  |
| 72             | 72  |
| 73             | 73  |
| 74             | 74  |
| 75             | 75  |
| 76             | 76  |
| 77             | 77  |
| 78             | 78  |
| 79             | 79  |
| 80             | 80  |
| 81             | 81  |
| 82             | 82  |
| 83             | 83  |
| 84             | 84  |
| 85             | 85  |
| 86             | 86  |
| 87             | 87  |
| 88             | 88  |
| 89             | 89  |
| 90             | 90  |
| 91             | 91  |
| 92             | 92  |
| 93             | 93  |
| 94             | 94  |
| 95             | 95  |
| 96             | 96  |
| 97             | 97  |
| 98             | 98  |
| 99             | 99  |
| 100            | 100 |

**NOTE 1:** Cash includes only cash balances in one of the following accounts at FCB:

**NOTE 2:** Information used must be verified against FCB for any information concerns not identified for transmission or receipt of complete items.

It is a common mistake to think that the only way to avoid a lawsuit is to avoid any contact with the media. This is not true. In fact, the best way to avoid a lawsuit is to be transparent and honest with the media. If you are involved in a lawsuit, it is important to let the media know about it. This will help to build trust and credibility with the public. If you are not transparent, the media will find out about the lawsuit anyway, and this will damage your reputation. So, if you are involved in a lawsuit, it is best to be open and honest with the media. This will help to protect your reputation and avoid a lawsuit.

THE NEW YORK PUBLIC LIBRARY  
ASTOR LENOX TILDEN FOUNDATION  
500 5TH AVENUE  
NEW YORK 17, N.Y.

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| Model No. | $\sigma^2$ |
|-----------|------------|
| 144178    | $\sigma^2$ |
| 145035    | $\sigma^2$ |

(%) Regression information

11-00000-00000

| Display accuracy |                              |
|------------------|------------------------------|
| 26               | 20% or 0.2, whichever larger |
| 77               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                       | MT    | TIS                                   |                                       | TIB | TTC  |
|--------------------------------|---------------------------------------|-------|---------------------------------------|---------------------------------------|-----|------|
| Maximum Index Value            |                                       |       | Scan                                  | Non-scan                              |     |      |
|                                |                                       |       | $A_{\text{spec}} < 1 \text{ cm}^{-1}$ | $A_{\text{spec}} < 1 \text{ cm}^{-1}$ |     |      |
| Associated acoustic parameters | $P_{\text{r},\text{a}}$               | (MPa) | 1.3                                   | -                                     | -   | 0.59 |
|                                | $P$                                   | (mW)  | 2.7                                   | -                                     | -   | 18   |
|                                | Min of $ P_{\text{a}}(f_{\text{a}}) $ | (mW)  |                                       | 24                                    | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| parameters                     | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Other                          | $f_{\text{a}}$                        | (cm)  | 0.53                                  | -                                     | -   | 1.1  |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Information                    | $f_{\text{a}}$                        | (MHz) | 4.0                                   | -                                     | -   | 5.3  |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Wave Mode                      | $f_{\text{a}}$                        | (cm)  | 0.51                                  | -                                     | -   | 0.23 |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Focus (B)                      | $f_{\text{a}}$                        | (cm)  | 1003                                  | -                                     | -   | 1.3  |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Range                          | $f_{\text{a}}$                        | (cm)  | 2.8                                   | -                                     | -   | 3.6  |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Line Density                   | $f_{\text{a}}$                        | (cm)  | 250                                   | -                                     | -   | 100  |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | 100                                   | -                                     | -   | 100  |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Velocity Range           | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Color Line Density             | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
| Packer Size                    | $f_{\text{a}}$                        | (cm)  | M                                     | -                                     | -   | M    |
|                                | $f_{\text{a}}$                        | (cm)  |                                       | -                                     | -   |      |
|                                | $f_{\text{a}}$                        |       |                                       |                                       |     |      |

NOTE 1 Data should only be entered in one of the columns related to T18  
NOTE 2 Information need not be provided regarding TIC for any transacres assumed not intended for transwood or neonatal asphalts uses  
NOTE 3 If the requirements of 201.12.4.3a are met, it is not required to enter any data in the columns related to T18, T19 or T20.  
NOTE 4 If the requirements of 201.12.4.3b are met, it is not required to enter any data in the columns related to M1.  
NOTE 5 If the requirements of 201.12.4.3c are met, it is not required to enter any data in the columns related to M1.

| Display accuracy |                   |
|------------------|-------------------|
| MI               | 20% or 0.2, which |
| TI               | 40% or 0.4, which |









## (5) Другие датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50  
CMLATRP(C)  
Convex  
Acoustic power is controllable by the user.

| Parameter                        | Mode                  | $I_{B0}$ | $I_{B1}$ | $I_{B2}$ | $I_{B3}$ | $M$     | $D_0$   | $D_{10}$ | $(B+D)_{10}$ | $(B+D)_{20}$ | $(B+D)_{30}$ | $(B+D)_{40}$ | $(B+D)_{50}$ | $(B+D)_{60}$ | $(B+D)_{70}$ | $(B+D)_{80}$ | $(B+D)_{90}$ | $(B+D)_{100}$ |
|----------------------------------|-----------------------|----------|----------|----------|----------|---------|---------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Maximum power                    | (mW)                  | 7.2      | 21       | 3.5      | 6.5      | 19      | 1.5     | 1.5      | 1.5          | 1.5          | 1.5          | 1.5          | 1.5          | 1.5          | 1.5          | 1.5          | 1.5          | 1.5           |
| $p_r$                            | (MPa)                 | 2.6      | 2.2      | 2.6      | 2.6      | 2.6     | 2.6     | 2.6      | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6          | 2.6           |
| $I_{B0}$                         | (mW/cm <sup>2</sup> ) | 14       | 53       | 6.6      | 13       | 56      | 29      | 61       | 32           | 35           | 12           | 32           | 35           | 12           | 32           | 35           | 12           | 32            |
| $I_{B10}$                        | (mW/cm <sup>2</sup> ) | 3.5      | 43       | 183      | 269      | 904     | 220     | 861      | 67           | 79           | 34           | 67           | 79           | 34           | 67           | 79           | 34           | 67            |
| PWR%                             | (%)                   | 100      | 100      | 100      | 100      | 100     | 100     | 100      | 100          | 100          | 100          | 100          | 100          | 100          | 100          | 100          | 100          | 100           |
| TS Mode                          |                       | B        | B        | M        | Pw       | Pw      | Pw      | Pw       | Pw           | Pw           | Pw           | Pw           | Pw           | Pw           | Pw           | Pw           | Pw           | Pw            |
| Wave Mode                        |                       | PND      | PND      | PND      | PND      | PND     | PND     | PND      | PND          | PND          | PND          | PND          | PND          | PND          | PND          | PND          | PND          | PND           |
| Frequency (B)                    |                       | Std      | Std      | Std      | Std      | Std     | Std     | Std      | Std          | Std          | Std          | Std          | Std          | Std          | Std          | Std          | Std          | Std           |
| Focus (B)                        |                       | F4       | F4       | F4       | F4       | F4      | F4      | F4       | F4           | F4           | F4           | F4           | F4           | F4           | F4           | F4           | F4           | F4            |
| Scan/B (B)                       |                       | 25       | 25       | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Range                            | (cm)                  | 21.0     | 3.0      | 21.0     | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| PRF Limit                        |                       | ON       | OFF      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Line Density                     |                       | Low      | High     | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Flow Mode                        |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Ref. Frequency (Color)           |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Flow% (Color)                    | (%)                   | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Color Velocity Range             | (cm/s)                | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Picket Size                      |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Flow Area Depth                  | (cm)                  | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Color Line Density               |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Pw Mode                          |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| High PRF                         |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Ref. Frequency (D)               |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Focus (D)                        |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Doppler Velocity Range           | (cm/s)                | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Sample gate size                 | (cm)                  | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Sample gate depth                | (cm)                  | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Triplets Frame Rate              | (cm)                  | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Triplets VEL Range               |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Flow Area Lock                   |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| $I_{B0}$                         | (mm)                  | 26       | 21       | 26       | 29       | 29      | 22      | 22       | 26           | 26           | 26           | 26           | 26           | 26           | 26           | 26           | 26           | 26            |
| $I_{B1}$                         | (mm)                  | 1.4      | 1.4      | 1.4      | 2.0      | 1.8     | 1.8     | 1.8      | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4          | 1.4           |
| $I_{B2}$                         | (mm)                  | 1.6      | 2.0      | 1.6      | 1.8      | 1.8     | 1.8     | 1.8      | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6           |
| $I_{B3}$                         | (mm)                  | 1.6      | 1.6      | 1.6      | 1.6      | 1.6     | 1.6     | 1.6      | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6          | 1.6           |
| $I_{B4}$                         | (mm)                  | 22       | 179      | n/a      | 1002     | 814     | 9470    | n/a      | 12           | 27           | 43           | 25           | 25           | 25           | 25           | 25           | 25           | 25            |
| $I_{B5}$                         | (mm)                  | 1.0      | 1.0      | n/a      | n/a      | n/a     | n/a     | n/a      | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0          | 1.0           |
| $I_{B6}$                         | (mm)                  | 95       | 49       | n/a      | n/a      | n/a     | n/a     | n/a      | 49           | 48           | 48           | 48           | 48           | 48           | 48           | 48           | 48           | 48            |
| $I_{B7}$                         | (mm)                  | 6.1      | 6.1      | 8.1      | 8.1      | 7.7     | 5.3     | 8.1      | 5.3          | 5.3          | 5.3          | 5.3          | 5.3          | 5.3          | 5.3          | 5.3          | 5.3          | 5.3           |
| $I_{B8}$                         | (mm)                  | 6.5      | 6.5      | 6.5      | 6.5      | 6.5     | 6.5     | 6.5      | 6.5          | 6.5          | 6.5          | 6.5          | 6.5          | 6.5          | 6.5          | 6.5          | 6.5          | 6.5           |
| $I_{B9}$                         | (mm)                  | 5.2      | 5.1      | 5.2      | 5.0      | 5.0     | 5.0     | 5.0      | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0           |
| $I_{B10}$                        | (mm)                  | 5.2      | 5.1      | 5.2      | 5.0      | 5.0     | 5.0     | 5.0      | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0          | 5.0           |
| Acoustic Power-up fraction       | (%)                   | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Power-up mode                    |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Acoustic Initialization fraction | (%)                   | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Initialization mode              |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| Acoustic output event            |                       | n/a      | n/a      | n/a      | n/a      | n/a     | n/a     | n/a      | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a          | n/a           |
| $I_{B11}$                        | (mm)                  | 1.2      | 1.2      | 1.2      | 1.2      | 1.2     | 1.2     | 1.2      | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2           |
| $I_{B12}$                        | (mm)                  | 1.2      | 1.2      | 1.2      | 1.2      | 1.2     | 1.2     | 1.2      | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2          | 1.2           |
| Inclusive modes                  |                       | contact  | contact  | contact  | contact  | contact | contact | contact  | contact      | contact      | contact      | contact      | contact      | contact      | contact      | contact      | contact      | contact       |

|                             |       |
|-----------------------------|-------|
| Measurement uncertainty (%) |       |
| $p_r$                       | 25.0% |
| $I_{B0}$                    | 37.1% |
| $I_{B1}$                    | 18.1% |

Данные по акустической мощности

Table 201.103 – Acoustic output reporting table

| Index label                  |                                              | <i>M/I</i>           | <i>TIS</i> |                                                                          | <i>TTIB</i> | <i>TTC</i> |
|------------------------------|----------------------------------------------|----------------------|------------|--------------------------------------------------------------------------|-------------|------------|
|                              |                                              |                      | Scan       | Non-scan<br>$A_{avg} \leq 1 \text{ cm}^{-1} A_{max}^* 1 \text{ cm}^{-1}$ |             |            |
| Maximum Index Value          | $P_{r,a}$                                    | [MPa]                | 0.76       | 0.43                                                                     | -           | 0.46       |
|                              | $P_r$                                        | [mW]                 | 1.7        | -                                                                        | -           | -          |
|                              | Min of [ $P_{r,a}$ , $I_{a,a}$ , $I_{a,r}$ ] | [mW]                 | -          | 18                                                                       | -           | 21         |
|                              | $I_a$                                        | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_{a,a}$                                    | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_{a,r}$                                    | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | 2.4        | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Other                        | $I_{a,a}$                                    | [MHz]                | 5.2        | 5.1                                                                      | -           | 5.1        |
|                              | Dim of $A_{avg}$                             | [cm]                 | -          | 1.6                                                                      | -           | 1.6        |
|                              | $I_a$                                        | [umc]                | -          | 0.65                                                                     | -           | 0.65       |
|                              | $\text{err}$                                 | [umc]                | 0.24       | -                                                                        | -           | -          |
|                              | $P_r$ at max. $I_a$                          | [MPa]                | 2090       | -                                                                        | -           | -          |
|                              | $I_{a,a}$ at max. $I_a$                      | [cm]                 | 2.6        | -                                                                        | -           | -          |
|                              | $I_{a,r}$ at max. $I_a$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_{a,a}$ at max. $M/I$                      | [W/cm <sup>2</sup> ] | 317        | 1.7                                                                      | -           | 1.7        |
|                              | $I_{a,r}$ at max. $M/I$                      | [W/cm <sup>2</sup> ] | -          | 2.8                                                                      | -           | 2.8        |
|                              | $I_{a,a}$ at max. $I_{a,r}$                  | [cm]                 | -          | -                                                                        | -           | -          |
| Information                  | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Operating control conditions | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Scan                         | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
| Non-scan                     | $P_{r,a}$                                    | [W/cm <sup>2</sup> ] | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$                                        | [cm]                 | 100        | 100                                                                      | -           | 100        |
|                              | $I_a$ at max. $P_{r,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,a}$                      | [cm]                 | -          | -                                                                        | -           | -          |
|                              | $I_a$ at max. $I_{a,r}$                      | [cm]                 | -          | -                                                                        | -           |            |

NOTE 1 Data should only be entered in one of the columns related to T25  
NOTE 2 Information need not be provided regarding T20 for any resources assumed not intended for transauricular or nasolabial cephalic uses  
NOTE 3 If the requirements of 2011.12.4.2a are met, it is not required to enter any data in the columns related to T25, T26 or T20.  
NOTE 4 If the requirements of 2011.12.4.2a are met, it is not required to enter any data in the columns related to M2, T25 or T20.  
NOTE 5 If the requirements of 2011.12.4.2a are met, it is not required to enter any data in the columns related to M2, T25 or T20.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $\alpha$                    | 18.75% |

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_H$                       |
| $n$                         |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table

| Index label                        | MT                   | TIS    |          | TIB    | TTC        |
|------------------------------------|----------------------|--------|----------|--------|------------|
|                                    |                      | Scan   | Non-scan |        |            |
| Maximum Index Value                | 0.77                 | -      | 0.52     | 1.4    | 1.1        |
| $P_{r,sc}$                         | 1.7                  | -      | 22       | -      | -          |
| Associated acoustic parameters     |                      |        |          |        |            |
| $P$                                | (mW)                 | -      | -        | 18     | 20         |
| $\min(P_{r,sc}(f_s), I_{sc}(f_s))$ | (mW)                 | -      | -        | -      | -          |
| $I_{sc}$                           | (cm)                 | -      | -        | -      | -          |
| $I_{sc}$                           | (cm)                 | -      | -        | -      | -          |
| $I_{sc}$                           | (cm)                 | -      | -        | 0.70   | -          |
| $I_{sc}$ at max. $I_{sc}$          | (cm)                 | 1.9    | -        | -      | -          |
| $I_{sc}(f_s)$                      | (cm)                 | -      | -        | 0.23   | -          |
| $I_{sc}$                           | (MHz)                | D-4.99 | -        | D-4.97 | B-5.1, D-5 |
| $I_{sc}$                           | (cm)                 | -      | 1.2      | -      | 0.28 0.20  |
| $I_{sc}$                           | (cm)                 | -      | 0.65     | -      | 0.65 0.65  |
| Other                              |                      |        |          |        |            |
| $I_{sc}$                           | (msec)               | 0.73   | -        | -      | -          |
| $I_{sc}$                           | (Hz)                 | 1011   | -        | -      | -          |
| $I_{sc}$ at max. $I_{sc}$          | (MPa)                | 2.2    | -        | -      | -          |
| $I_{sc}$ at max. $I_{sc}$          | (cm)                 | -      | -        | 0.22   | -          |
| Information                        |                      |        |          |        |            |
| $I_{sc}$ at max. $I_{sc}$          | (W/cm <sup>2</sup> ) | 163    | -        | -      | -          |
| Focus Length                       | (cm)                 | -      | -        | -      | 0.50       |
| $I_{sc}$                           | (cm)                 | -      | -        | -      | 2.5        |
| $I_{sc}$                           | (%)                  | 100    | -        | 100    | 100        |
| $I_{sc}$                           | B/Pw                 | -      | B/Pw     | -      | B/Pw       |
| Wave Mode                          | PND                  | -      | PND      | -      | PND        |
| Frequency (B)                      | Std                  | -      | Std      | -      | Std        |
| Focus (B)                          | F1                   | -      | F1       | -      | F1         |
| Scan (B)                           | 100                  | -      | 25       | -      | 25         |
| Range                              | (cm)                 | 21.0   | -        | 14.0   | -          |
| PRF Limit                          | ON                   | -      | OFF      | -      | OFF        |
| Line Density                       | Low                  | -      | Low      | -      | High       |
| Flow Mode                          | n/a                  | -      | n/a      | -      | n/a        |
| Ref. Frequency (Color)             | n/a                  | -      | n/a      | -      | n/a        |
| Focus (Color)                      | n/a                  | -      | n/a      | -      | n/a        |
| Flow% (Color)                      | n/a                  | -      | n/a      | -      | n/a        |
| Color Velocity Range               | (cm/s)               | n/a    | n/a      | -      | n/a        |
| Picket Size                        | n/a                  | -      | n/a      | -      | n/a        |
| Flow Area Depth                    | (cm)                 | n/a    | -        | n/a    | -          |
| Color Line Density                 | n/a                  | -      | n/a      | -      | n/a        |
| Pw Mode                            | PW                   | -      | PW       | -      | PW         |
| High PRF                           | OFF                  | -      | OFF      | -      | OFF        |
| Ref. Frequency (D)                 | Std                  | -      | Std      | -      | Std        |
| Focus (D)                          | F4                   | -      | F8       | -      | F2         |
| Doppler Velocity Range             | (cm/s)               | 6.23   | -        | 33.20  | -          |
| Sample gate size                   | (cm)                 | 0.1    | -        | 0.1    | -          |
| Sample gate depth                  | (cm)                 | 2.6    | -        | 8.8    | -          |
| Triplets Frame Rate                | n/a                  | -      | n/a      | -      | n/a        |
| Triplets VEL Range                 | n/a                  | -      | n/a      | -      | n/a        |
| Flow Area Lock                     | n/a                  | -      | n/a      | -      | n/a        |

NOTE 1 Data should only be entered in any of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal Doppler uses

NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIB, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIB.

NOTE 5 Focus Length is a NOMINAL value

Measurement uncertainty (%)

MT

25.00%

T

37.14%

P

18.75%

Display accuracy

MT

20% or 0.2, whichever larger

T

40% or 0.4, whichever larger

P

18.75%

Table 201.103 – Acoustic output reporting table

| Index label                        | MT                   | TIS   |          | TIB   | TTC       |
|------------------------------------|----------------------|-------|----------|-------|-----------|
|                                    |                      | Scan  | Non-scan |       |           |
| Maximum Index Value                | 0.73                 | -     | 0.52     | 1.4   | 0.97      |
| $P_{r,sc}$                         | 1.6                  | -     | 22       | -     | -         |
| Associated acoustic parameters     |                      |       |          |       |           |
| $P$                                | (mW)                 | -     | -        | 19    | 19        |
| $\min(P_{r,sc}(f_s), I_{sc}(f_s))$ | (mW)                 | -     | -        | -     | -         |
| $I_{sc}$                           | (cm)                 | -     | -        | -     | -         |
| $I_{sc}$                           | (cm)                 | -     | -        | -     | -         |
| $I_{sc}$                           | (cm)                 | -     | -        | 0.70  | -         |
| $I_{sc}$ at max. $I_{sc}$          | (cm)                 | 2.0   | -        | -     | -         |
| $I_{sc}(f_s)$                      | (cm)                 | -     | -        | 0.23  | -         |
| $I_{sc}$                           | (MHz)                | 5.0   | -        | 4.9   | -         |
| $I_{sc}$                           | (cm)                 | -     | 1.2      | -     | 0.28 0.28 |
| $I_{sc}$                           | (cm)                 | -     | 0.65     | -     | 0.65 0.65 |
| Other                              |                      |       |          |       |           |
| $I_{sc}$                           | (msec)               | 0.51  | -        | -     | -         |
| $I_{sc}$                           | (Hz)                 | 1628  | -        | -     | -         |
| $I_{sc}$ at max. $I_{sc}$          | (MPa)                | 2.2   | -        | -     | -         |
| $I_{sc}$ at max. $I_{sc}$          | (cm)                 | -     | -        | 0.23  | -         |
| Information                        |                      |       |          |       |           |
| $I_{sc}$ at max. $I_{sc}$          | (W/cm <sup>2</sup> ) | 171   | -        | -     | -         |
| Focus Length                       | (cm)                 | -     | -        | -     | 0.50      |
| $I_{sc}$                           | (cm)                 | -     | -        | -     | 2.5       |
| $I_{sc}$                           | (%)                  | 100   | -        | 100   | 100       |
| $I_{sc}$                           | M/Flow               | -     | M/Flow   | -     | M/Flow    |
| Wave Mode                          | n/a                  | -     | n/a      | -     | n/a       |
| Frequency (B)                      | n/a                  | -     | n/a      | -     | n/a       |
| Focus (B)                          | n/a                  | -     | n/a      | -     | n/a       |
| Scan (B)                           | n/a                  | -     | n/a      | -     | n/a       |
| Range                              | (cm)                 | 21.0  | -        | 14.0  | -         |
| PRF Limit                          | n/a                  | -     | n/a      | -     | n/a       |
| Line Density                       | n/a                  | -     | n/a      | -     | n/a       |
| Flow Mode                          | Flow                 | -     | Flow     | -     | Flow      |
| Ref. Frequency (Color)             | Std                  | -     | Std      | -     | Std       |
| Focus (Color)                      | F4                   | -     | F8       | -     | F2        |
| Flow% (Color)                      | n/a                  | -     | n/a      | -     | n/a       |
| Color Velocity Range               | (cm/s)               | 12.45 | -        | 44.27 | -         |
| Picket Size                        | n/a                  | -     | n/a      | -     | n/a       |
| Flow Area Depth                    | (cm)                 | 21.0  | -        | 21.0  | -         |
| Color Line Density                 | n/a                  | -     | n/a      | -     | n/a       |
| Pw Mode                            | n/a                  | -     | n/a      | -     | n/a       |
| High PRF                           | n/a                  | -     | n/a      | -     | n/a       |
| Ref. Frequency (D)                 | n/a                  | -     | n/a      | -     | n/a       |
| Focus (D)                          | n/a                  | -     | n/a      | -     | n/a       |
| Doppler Velocity Range             | (cm/s)               | n/a   | -        | n/a   | -         |
| Sample gate size                   | (cm)                 | n/a   | -        | n/a   | -         |
| Sample gate depth                  | (cm)                 | n/a   | -        | n/a   | -         |
| Triplets Frame Rate                | n/a                  | -     | n/a      | -     | n/a       |
| Triplets VEL Range                 | n/a                  | -     | n/a      | -     | n/a       |
| Flow Area Lock                     | n/a                  | -     | n/a      | -     | n/a       |

NOTE 1 Data should only be entered in any of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal Doppler uses

NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIB, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TIB.

NOTE 5 Focus Length is a NOMINAL value

Measurement uncertainty (%)

MT

25.00%

T

37.14%

P

18.75%

Display accuracy

MT

20% or 0.2, whichever larger

T

40% or 0.4, whichever larger

P

18.75%



Table 201.103 -- Acoustic output reporting table

|                                | Index label                   | MI                                                  | TTS   |           | TTS    | TTS       |
|--------------------------------|-------------------------------|-----------------------------------------------------|-------|-----------|--------|-----------|
|                                |                               |                                                     | Scan  | Non-scan  |        |           |
| Maximum Index Values           |                               | 0.77                                                | -     | -         | -      | 1.1       |
|                                | $P_{r,s}$                     | (MPa)                                               | 1.7   | -         | -      | -         |
|                                | $p$                           | (mW)                                                | -     | -         | -      | -         |
|                                | $I_a$                         | $\text{Min of } [P_{r,s}(t), I_{a,ss}(t, \lambda)]$ | -     | 21        | -      | 17        |
|                                | $I_s$                         | (cm)                                                | -     | -         | -      | -         |
|                                | $I_{ss}$                      | (cm)                                                | -     | -         | -      | -         |
| Associated acoustic parameters | $I_a$                         | (cm)                                                | -     | -         | -      | -         |
|                                | $I_{ss}$                      | (cm)                                                | -     | -         | -      | -         |
|                                | $I_{ss}$ at max. $I_{a,ss}$   | (cm)                                                | 1.9   | -         | -      | 0.70      |
|                                | $I_{a,ss}(t, \lambda)$        | (cm)                                                | -     | -         | -      | -         |
|                                | $I_{a,ss}$                    | (MHz)                                               | D4.99 | -         | D4.93  | -         |
|                                | Dirn of $A_{set}$             | X                                                   | -     | -         | 1.2    | -         |
| Other                          | Y                             | (cm)                                                | -     | -         | 0.65   | -         |
|                                | $I_a$                         | (uasec)                                             | 0.73  | -         | -      | 0.65      |
|                                | $p_{err}$                     | (Hz)                                                | 1230  | -         | -      | -         |
|                                | $P_r$ at max. $I_{a,ss}$      | (MPa)                                               | 2.2   | -         | -      | -         |
|                                | $I_{a,ss}$ at max. $I_{a,ss}$ | (cm)                                                | -     | -         | -      | -         |
|                                | $I_{a,ss}$ at max. MI         | (W/cm <sup>2</sup> )                                | 163   | -         | -      | -         |
| Information                    | Focus Length                  | (cm)                                                | -     | -         | 9.5    | -         |
|                                | $F_{1,x}$                     | (cm)                                                | -     | -         | 2.5    | -         |
|                                | $F_{1,y}$                     | (cm)                                                | -     | -         | -      | -         |
|                                | PWR%                          | (%)                                                 | 100   | -         | 100    | -         |
|                                | Tx. Mode                      | B/Flow/Pw                                           | -     | B/Flow/Pw | -      | B/Flow/Pw |
|                                | Wave Mode                     | PND                                                 | -     | PND       | -      | PND       |
| Operating control conditions   | Frequency (B)                 | Sid                                                 | -     | Sid       | -      | Sid       |
|                                | Focus (B)                     | F1                                                  | -     | F1        | -      | F3        |
|                                | Scan% (B)                     | (%)                                                 | 27    | -         | 27     | -         |
|                                | Range                         | (cm)                                                | 14.0  | -         | 14.0   | -         |
|                                | PRF Limit                     | OFF                                                 | -     | OFF       | -      | OFF       |
|                                | Line Density                  | Low                                                 | -     | Low       | -      | Low       |
|                                | Flow Mode                     | aFlow                                               | -     | Flow      | -      | Flow      |
|                                | Ref. Frequency (Color)        | Sid                                                 | -     | Sid       | -      | Sid       |
|                                | Focus (Color)                 | F8                                                  | -     | F7        | -      | F1        |
|                                | Flow% (Color)                 | (%)                                                 | 15    | -         | 15     | -         |
|                                | Color Velocity Range          | (cm/s)                                              | 0.63  | -         | 28.46  | -         |
|                                | Packet Size                   | Low                                                 | -     | Medium    | -      | Medium    |
|                                | Flow Arm Depth                | (cm)                                                | 14.0  | -         | 14.0   | -         |
|                                | Color Line Density            | 1                                                   | -     | 2         | -      | 2         |
|                                | Pw Mode                       | PW                                                  | -     | PW        | -      | PW        |
|                                | High PRF                      | OFF                                                 | -     | OFF       | -      | OFF       |
|                                | Ref. Frequency (D)            | Sid                                                 | -     | Sid       | -      | Sid       |
|                                | Focus (D)                     | F4                                                  | -     | F8        | -      | F2        |
|                                | Doppler Velocity Range        | (cm/s)                                              | 9.96  | -         | 33.20  | -         |
|                                | Sample gate size              | (cm)                                                | 0.1   | -         | 0.1    | -         |
|                                | Sample gate depth             | (cm)                                                | -     | -         | 8.8    | -         |
|                                | Triplets Frame Rate           | (cm)                                                | 1.6   | -         | Medium | -         |
|                                | Triplets VEG Range            | (cm)                                                | -     | -         | Medium | -         |
|                                | Flow Area Lock                | OFF                                                 | -     | OFF       | -      | OFF       |

NOTE 1: Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TTS for any transducer assembly not intended for transcranial or neonatal applications

NOTE 3: If the requirements of 20112.42b are met, it is not required to enter any data in the column related to TTS, TB or TDC.

NOTE 4: If the requirements of 20112.42b are met, it is not required to enter any data in the column related to MI.

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2: Information need not be provided regarding TIC for any transactions arising or not intended for transactional or nontransactional use.

NOTE 3 If the measurements of 201.12.4.2a are met, it is not required to enter any data in the columns related to T15, T30 or T60.

NOTE 4 If the requirements of 201.12.4.3b are met, it is not required to enter any data in the column related to ME.

NOTE 5 Focal Length is a NOMINAL value

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $p_z$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                           | MT   | Scan | TDS | TIB | TTC  |
|--------------------------------|-----------------------------------------------------------|------|------|-----|-----|------|
| Associated acoustic parameters | Maximum Index Value                                       | 0.76 | 0.50 | -   | -   | 0.60 |
|                                | $P_{\text{max}}$                                          | 1.7  |      |     |     |      |
|                                | $P_{\text{min}}$                                          |      |      |     |     |      |
|                                | Min of $[P_{\text{max}}, f_{\text{max}}, f_{\text{min}}]$ | (mW) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Associated acoustic parameters | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
| Other information              | $f_{\text{max}}$                                          | 2.4  |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Other information              | $f_{\text{max}}$                                          | 0.24 |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 317  |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 100  |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 11.0 |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   | $f_{\text{max}}$                                          | 15   |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{min}}$                                          | (cm) |      |     |     |      |
|                                | $f_{\text{max}}$                                          | (cm) |      |     |     |      |
| Operating control conditions   |                                                           |      |      |     |     |      |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2. Information need not be provided concerning TIO five new transgenic animals *v* not intended for transgenic commercial seedling sales.

NOTE 3. If the recommendations of 2011.2.4.2 are met, it is not required to select any data in the columns related to TTS, TH or TIC.

NOTE 4 If the requirements of 201.17.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| 25.00%                      |
| $I_{\mu}$                   |
| 37.14%                      |
| $P_{\sigma}$                |
| 16.75%                      |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



ARIETTA 50

CAILLATRP(L)

Linear

Acoustic power is controllable by the user.

| parameter                        | B <sub>0</sub>  | B <sub>90°</sub> | M <sub>p</sub>   | M <sub>90°</sub> | D <sub>p</sub>  | D <sub>90°</sub> | (B+D) <sub>90°</sub> | (B+D) <sub>90°</sub> | (B+D) <sub>90°</sub> | (B+D) <sub>90°</sub> |
|----------------------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|----------------------|----------------------|----------------------|----------------------|
| Maximum power                    | 5.1<br>(mW)     | 13<br>(mW)       | 1.9<br>(mW)      | 2.0<br>(mW)      | 3.9<br>(mW)     | 10<br>(mW)       | 1.0<br>(mW)          | 1.1<br>(mW)          | 1.1<br>(mW)          | 1.0<br>(mW)          |
| P <sub>0</sub>                   | 3.5<br>(mW)     | 2.2<br>(mW)      | 3.5<br>(mW)      | 2.6<br>(mW)      | 2.1<br>(mW)     | 1.0<br>(mW)      | 3.5<br>(mW)          | 1.9<br>(mW)          | 3.5<br>(mW)          | 1.3<br>(mW)          |
| I <sub>0</sub>                   | 5.6<br>(mW/cm²) | 24<br>(mW/cm²)   | 2.1<br>(mW/cm²)  | 3.0<br>(mW/cm²)  | 7.1<br>(mW/cm²) | 25<br>(mW/cm²)   | 5.4<br>(mW/cm²)      | 28<br>(mW/cm²)       | 6.8<br>(mW/cm²)      | 26<br>(mW/cm²)       |
| I <sub>90°</sub>                 | 3.9<br>(mW/cm²) | 51<br>(mW/cm²)   | 1.57<br>(mW/cm²) | 1.81<br>(mW/cm²) | 220<br>(mW/cm²) | 656<br>(mW/cm²)  | 15<br>(mW/cm²)       | 618<br>(mW/cm²)      | 16<br>(mW/cm²)       | 635<br>(mW/cm²)      |
| PRF%                             | 100             | 100              | 100              | 100              | 100             | 100              | 100                  | 100                  | 100                  | 100                  |
| Tx Mode                          | B               | B                | M                | M                | Pw              | Pw               | B/Pw                 | B/Pw                 | B/Pw                 | B/Pw                 |
| Wave Mode                        | FND             | FND              | FND              | FND              | n/a             | n/a              | FND                  | FND                  | FND                  | FND                  |
| Frequency (B)                    | Reso            | Reso             | Reso             | Reso             | n/a             | n/a              | Reso                 | Reso                 | Reso                 | Reso                 |
| Focus (B)                        | F6              | F6               | F6               | F6               | n/a             | n/a              | F6                   | F6                   | F6                   | F6                   |
| Scan/B (B)                       | 100             | 25               | n/a              | n/a              | n/a             | n/a              | 100                  | 25                   | 100                  | 27                   |
| Range                            | 17.0            | 2.0              | 17.0             | 17.0             | n/a             | n/a              | 17.0                 | 4.5                  | 17.0                 | 4.0                  |
| PRF Limit                        | ON              | OFF              | n/a              | n/a              | n/a             | n/a              | ON                   | OFF                  | ON                   | OFF                  |
| Line Density                     | Low             | High             | n/a              | n/a              | n/a             | n/a              | Low                  | High                 | Low                  | High                 |
| Flow Mode                        | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Ref. Frequency (Color)           | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Focus (Color)                    | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Flow% (Color)                    | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Color Velocity Range             | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Packet Size                      | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Flow Area Depth                  | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Color Line Density               | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Pw Mode                          | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| High PRF                         | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Ref. Frequency (D)               | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Focus (D)                        | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Doppler Velocity Range           | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Sample gate size                 | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Sample gate depth                | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Triplex Frame Rate               | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Triplex VEL Range                | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Flow Area Lock                   | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| F <sub>0</sub>                   | 36              | 20               | 36               | 23               | 27              | 21               | 36                   | 21                   | 36                   | 21                   |
| F <sub>90°</sub>                 | 0.8             | 1.0              | 0.8              | 0.9              | 1.5             | 1.5              | 0.8                  | 1.4                  | 0.8                  | 1.5                  |
| f <sub>PRF</sub>                 | 1.4             | 1.5              | 1.4              | 1.4              | 1.5             | 1.4              | 1.4                  | 1.4                  | 1.4                  | 1.4                  |
| f <sub>SRF</sub>                 | 106             | 234              | n/a              | 1002             | 814             | 18116            | n/a                  | n/a                  | n/a                  | n/a                  |
| f <sub>90°</sub>                 | 1.0             | 1.0              | n/a              | n/a              | n/a             | n/a              | 8.1                  | 31                   | 0.60                 | 5.9                  |
| f <sub>PRF</sub>                 | 25              | 45               | n/a              | n/a              | n/a             | n/a              | B-1, C-9             | B-1, C-13            | B-1, C-32            | B-1, C-13            |
| f <sub>90°</sub>                 | 13              | 7.9              | 13               | 9.4              | 7.9             | 5.8              | B-31, C-29           | B-46, C-16           | B-51, C-32           | B-33, C-10           |
| Output beam dimensions           | (f)             | (f)              | (f)              | (f)              | (f)             | (f)              | (f)                  | (f)                  | (f)                  | (f)                  |
| f <sub>PRF</sub>                 | 7.0             | 7.0              | 7.0              | 7.0              | 7.0             | 7.0              | 7.0                  | 7.0                  | 7.0                  | 7.0                  |
| f <sub>90°</sub>                 | 5.3             | 5.3              | 5.3              | 5.4              | 5.1             | 5.1              | 5.1                  | 5.1                  | 5.1                  | 5.1                  |
| Acoustic Power-up fraction       | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Power-up mode                    | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Acoustic Initialization fraction | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Initialization mode              | n/a             | n/a              | n/a              | n/a              | n/a             | n/a              | n/a                  | n/a                  | n/a                  | n/a                  |
| Acoustic output frame            | Yes             | Yes              | Yes              | Yes              | Yes             | Yes              | Yes                  | Yes                  | Yes                  | Yes                  |
| F <sub>0</sub>                   | 1.3             | 1.3              | 1.3              | 1.3              | 1.3             | 1.3              | 1.3                  | 1.3                  | 1.3                  | 1.3                  |
| f <sub>90°</sub>                 | 1.3             | 1.3              | 1.3              | 1.3              | 1.3             | 1.3              | 1.3                  | 1.3                  | 1.3                  | 1.3                  |
| Inclusive modes                  | contact         | contact          | contact          | contact          | contact         | contact          | contact              | contact              | contact              | contact              |

|                                             |            |
|---------------------------------------------|------------|
| CAILLATRP(L)                                | ARIETTA 50 |
| Linear                                      |            |
| Acoustic power is controllable by the user. |            |

Table 201.103 – Acoustic output reporting table

| Index label                       | MT                          | TTS    |                                                                 | TIB    | TTC    |
|-----------------------------------|-----------------------------|--------|-----------------------------------------------------------------|--------|--------|
|                                   |                             | Scan   | Non-scan<br>$A_{sc} < 5 \text{ cm}^2$ $A_{ns} > 5 \text{ cm}^2$ |        |        |
| Maximum Index Value               | 0.79                        | 0.18   | -                                                               | 0.058  | 0.24   |
| $P_{r,s}$                         | 1.8                         | -      | -                                                               | -      | -      |
| $P$                               | (MPa)                       | -      | -                                                               | -      | -      |
| $P_r$                             | (mW)                        | 7.3    | -                                                               | 0.69   | 13     |
| Min of $[P_r(f_a), I_{a,s}(f_a)]$ | -                           | -      | -                                                               | -      | -      |
| $I_a$                             | (cm)                        | -      | -                                                               | -      | -      |
| Associated acoustic parameters    | -                           | -      | -                                                               | -      | -      |
| $I_{a,s}$                         | (cm)                        | -      | -                                                               | 1.5    | -      |
| $I_a$ at max. $I_{a,s}$           | (cm)                        | -      | -                                                               | -      | -      |
| $I_{a,s}$ at max. $I_{a,s}$       | (cm)                        | -      | -                                                               | -      | -      |
| $I_{a,s}(f_a)$                    | (cm)                        | -      | -                                                               | 0.16   | -      |
| $f_{ad}$                          | (MHz)                       | 5.2    | -                                                               | 5.2    | 5.2    |
| Dim of $A_{sc}$                   | (cm)                        | 2.4    | -                                                               | 0.65   | 2.4    |
| Dim of $A_{ns}$                   | (cm)                        | 0.70   | -                                                               | 0.70   | 0.70   |
| $I_a$                             | (jane)                      | 0.24   | -                                                               | -      | -      |
| $P_r$                             | (Hz)                        | 3001   | -                                                               | -      | -      |
| $P_r$ at max. $I_{a,s}$           | (MPa)                       | 2.4    | -                                                               | -      | -      |
| $I_{a,s}$ at max. $I_{a,s}$       | (cm)                        | -      | -                                                               | 0.15   | -      |
| Information                       | $I_{a,s}$ at max. $I_{a,s}$ | 301    | -                                                               | -      | -      |
| $I_{a,s}$ at max. $I_{a,s}$       | (cm)                        | -      | -                                                               | -      | -      |
| Focal Length                      | FLx                         | 1.3    | -                                                               | -      | 1.3    |
| FLy                               | (cm)                        | 2.5    | -                                                               | -      | 2.5    |
| PWR%                              | (%)                         | 100    | -                                                               | 100    | 100    |
| Tx Mode                           | B/M                         | B/M    | -                                                               | B/M    | B/M    |
| Wave Mode                         | FND                         | FND    | -                                                               | FND    | FND    |
| Frequency (B)                     | Sd                          | Sd     | -                                                               | Sd     | Sd     |
| Focus (B)                         | F4                          | F3     | -                                                               | F3     | F3     |
| Search (B)                        | 100                         | 25     | -                                                               | 25     | 25     |
| Range                             | (cm)                        | 17.0   | -                                                               | 2.5    | 2.5    |
| PRF Limit                         | ON                          | OFF    | -                                                               | OFF    | OFF    |
| Line Density                      | Low                         | Medium | -                                                               | Medium | Medium |
| Flow Mode                         | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Ref. Frequency (Color)            | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Focus (Color)                     | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Flow% (Color)                     | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Color Velocity Range              | (cm/s)                      | n/a    | -                                                               | n/a    | n/a    |
| Packet Size                       | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Flow Area Depth                   | (cm)                        | n/a    | -                                                               | n/a    | n/a    |
| Color Line Density                | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Pw Mode                           | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| High PRF                          | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Ref. Frequency (D)                | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Focus (D)                         | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Doppler Velocity Range            | (cm/s)                      | n/a    | -                                                               | n/a    | n/a    |
| Sample gate size                  | (cm)                        | n/a    | -                                                               | n/a    | n/a    |
| Sample gate depth                 | (cm)                        | n/a    | -                                                               | n/a    | n/a    |
| Triplex Frame Rate                | (cm)                        | n/a    | -                                                               | n/a    | n/a    |
| Triplex VEL Range                 | n/a                         | n/a    | -                                                               | n/a    | n/a    |
| Flow Area Lock                    | n/a                         | n/a    | -                                                               | n/a    | n/a    |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 4 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{a,s}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                       | MT                          | TTS  |                                                                 | TIB | TTC  |
|-----------------------------------|-----------------------------|------|-----------------------------------------------------------------|-----|------|
|                                   |                             | Scan | Non-scan<br>$A_{sc} < 5 \text{ cm}^2$ $A_{ns} > 5 \text{ cm}^2$ |     |      |
| Maximum Index Value               | 0.79                        | 0.21 | -                                                               | -   | 0.25 |
| $P_{r,s}$                         | 1.8                         | -    | -                                                               | -   | -    |
| $P$                               | (MPa)                       | -    | -                                                               | -   | -    |
| $P_r$                             | (mW)                        | 8.5  | -                                                               | -   | 14   |
| Min of $[P_r(f_a), I_{a,s}(f_a)]$ | -                           | -    | -                                                               | -   | -    |
| $I_a$                             | (cm)                        | -    | -                                                               | -   | -    |
| Associated acoustic parameters    | -                           | -    | -                                                               | -   | -    |
| $I_{a,s}$                         | (cm)                        | -    | -                                                               | -   | -    |
| $I_a$ at max. $I_{a,s}$           | (cm)                        | -    | -                                                               | -   | -    |
| $I_{a,s}$ at max. $I_{a,s}$       | (cm)                        | -    | -                                                               | -   | -    |
| $I_{a,s}(f_a)$                    | (cm)                        | -    | -                                                               | -   | -    |
| $f_{ad}$                          | (MHz)                       | 5.2  | -                                                               | -   | 5.2  |
| Dim of $A_{sc}$                   | (cm)                        | 2.3  | -                                                               | -   | 2.3  |
| Dim of $A_{ns}$                   | (cm)                        | 0.70 | -                                                               | -   | 0.70 |
| $I_a$                             | (jane)                      | 0.24 | -                                                               | -   | -    |
| $P_r$                             | (Hz)                        | 2650 | -                                                               | -   | -    |
| $P_r$ at max. $I_{a,s}$           | (MPa)                       | 2.4  | -                                                               | -   | -    |
| $I_{a,s}$ at max. $I_{a,s}$       | (cm)                        | -    | -                                                               | -   | -    |
| Information                       | $I_{a,s}$ at max. $I_{a,s}$ | 301  | -                                                               | -   | -    |
| $I_{a,s}$ at max. $I_{a,s}$       | (cm)                        | -    | -                                                               | -   | -    |
| Focal Length                      | FLx                         | 1.3  | -                                                               | -   | 1.3  |
| FLy                               | (cm)                        | 2.5  | -                                                               | -   | 2.5  |
| PWR%                              | (%)                         | 100  | -                                                               | -   | 100  |
| Tx Mode                           | B                           | B    | -                                                               | -   | B    |
| Wave Mode                         | FND                         | FND  | -                                                               | -   | FND  |
| Frequency (B)                     | Sd                          | Sd   | -                                                               | -   | Sd   |
| Focus (B)                         | F4                          | F3   | -                                                               | -   | F3   |
| Search (B)                        | 100                         | 25   | -                                                               | -   | 25   |
| Range                             | (cm)                        | 17.0 | -                                                               | -   | 2.0  |
| PRF Limit                         | ON                          | OFF  | -                                                               | -   | OFF  |
| Line Density                      | Low                         | High | -                                                               | -   | High |
| Flow Mode                         | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Ref. Frequency (Color)            | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Focus (Color)                     | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Flow% (Color)                     | (%)                         | n/a  | -                                                               | n/a | n/a  |
| Color Velocity Range              | (cm/s)                      | n/a  | -                                                               | n/a | n/a  |
| Packet Size                       | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Flow Area Depth                   | (cm)                        | n/a  | -                                                               | n/a | n/a  |
| Color Line Density                | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Pw Mode                           | n/a                         | n/a  | -                                                               | n/a | n/a  |
| High PRF                          | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Ref. Frequency (D)                | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Focus (D)                         | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Doppler Velocity Range            | (cm/s)                      | n/a  | -                                                               | n/a | n/a  |
| Sample gate size                  | (cm)                        | n/a  | -                                                               | n/a | n/a  |
| Sample gate depth                 | (cm)                        | n/a  | -                                                               | n/a | n/a  |
| Triplex Frame Rate                | (cm)                        | n/a  | -                                                               | n/a | n/a  |
| Triplex VEL Range                 | n/a                         | n/a  | -                                                               | n/a | n/a  |
| Flow Area Lock                    | n/a                         | n/a  | -                                                               | n/a | n/a  |

NOTE 1 Data should only be entered in one of the columns related to TTS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 4 If the requirements of 201.12.4.2 are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{a,s}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                     | MJ                     | Scan        | TIS                           | Non-scan           | TIR               | TTC                 |
|--------------------------------|-------------------------------------|------------------------|-------------|-------------------------------|--------------------|-------------------|---------------------|
| Maximum Index Value            |                                     | 0.65                   | -           | $A_{max} < 1 \text{ cm}^{-1}$ | -                  | 0.83              | 0.58                |
| Associated acoustic parameters | $P_r, \sigma$                       | (MPa)                  | 1.5         |                               |                    |                   |                     |
|                                | $P_r$                               | (mW)                   |             |                               |                    |                   |                     |
|                                | Min of $[P_r(x, z), I_{max}(x, z)]$ | (mW)                   |             | 12                            |                    | 10                | 10                  |
|                                | $I_{max}$                           | (cm)                   |             |                               | -                  |                   |                     |
|                                | $2\lambda_{up}$                     | (cm)                   |             |                               | -                  |                   |                     |
|                                | $P_a$                               | (cm)                   |             |                               |                    | 1.8               |                     |
|                                | $\mu$ at max. $I_{max}$             | (cm)                   | 2.0         |                               |                    |                   |                     |
|                                | $I_{max}(x, z)$                     | (cm)                   |             |                               |                    |                   |                     |
|                                | $f_{max}$                           | (MHz)                  |             |                               |                    | 0.15              |                     |
|                                | Dim of $A_{opt}$                    | X<br>(cm)<br>Y<br>(cm) | 5.1<br>0.73 | -<br>0.73                     | 5.1<br>1.2<br>0.70 | -<br>0.58<br>0.70 | 5.1<br>0.22<br>0.70 |
| Other Information              | $I_a$                               | (Hz)                   | 814         |                               |                    |                   |                     |
|                                | $\mu_{pr}$                          | (MPa)                  | 2.0         |                               |                    |                   |                     |
|                                | $P_r$ at max. $I_a$                 | (cm)                   |             |                               |                    |                   |                     |
|                                | $I_a$ at max. $I_a$                 | (cm)                   |             |                               |                    |                   |                     |
|                                | $I_{max}$ at max. MJ                | (Watt <sup>2</sup> )   | 149         |                               |                    |                   |                     |
|                                | Focal Length                        | (cm)                   |             |                               | 5.0                | -                 | 0.50                |
|                                | FLX                                 | (cm)                   |             |                               | 2.5                | -                 | 2.5                 |
|                                | FLY                                 | (cm)                   |             |                               |                    |                   |                     |
|                                | FWR%                                | (%)                    | 100         | -                             | 100                | -                 | 100                 |
|                                | Tx Mode                             | Pwr                    |             | Pwr                           |                    | Pwr               | Pwr                 |
| Operating control conditions   | Wave Mode                           | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Frequency (B)                       | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Focus (B)                           | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Scan's (B)                          | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Range                               | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | PRF Limit                           | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Line Density                        | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Flow Mode                           | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Ref. Frequency (Color)              | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Focus (Color)                       | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Flow's (Color)                      | (%)                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Color Velocity Range                | (cm/s)                 | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Packet Size                         | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Flow Area Depth                     | (cm)                   | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Color Line Density                  | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Pwr Mode                            | PW                     | PW          | PW                            | PW                 | PW                | PW                  |
|                                | High PRF                            | OFF                    | OFF         | OFF                           | OFF                | OFF               | OFF                 |
|                                | Ref. Frequency (D)                  | Std                    | Std         | Std                           | Std                | Std               | Std                 |
|                                | Focus (D)                           | P5                     | P5          | P7                            | P5                 | P5                | P5                  |
|                                | Doppler Velocity Range              | (cm/s)                 | 6.23        | 83.88                         | -                  | 138.59            | 83.88               |
|                                | Sample gate size                    | (cm)                   | 0.1         | -                             | 0.1                | -                 | 0.1                 |
|                                | Sample gate depth                   | (cm)                   | 2.0         | -                             | 4.0                | -                 | 2.0                 |
|                                | Triplets Frame Ratio                | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
|                                | Triplets VEL Range                  | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |
| Flow Area Lock                 | n/a                                 | n/a                    | n/a         | n/a                           | n/a                | n/a               | n/a                 |

NOTE 1 : Data should not be entered in one of the columns related to TIS

NOTE 2 : Information need not be provided regarding TIS for any measurement; however, not intended for transmittal or resonant capillary wave

NOTE 3 : If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to TIS, TIR or TTC.

NOTE 4 : If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ME.

[illegible]

|           |                             |
|-----------|-----------------------------|
|           | measurement uncertainty (%) |
| $P$       | 25.00%                      |
| $I_{\mu}$ | 37.14%                      |
| $\alpha$  | 48.75%                      |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                          | M/                                                   | Scan | ITS                                                            | TTB          | TTC   |
|--------------------------------------|------------------------------------------------------|------|----------------------------------------------------------------|--------------|-------|
| Maximum Index Value                  | 0.79                                                 | -    | $A_{avg} < 5 \text{ cm}^{-1}$<br>$A_{avg} < 1 \text{ cm}^{-1}$ | Non-<br>scan | 0.085 |
| Associated<br>acoustic<br>parameters | $P_{c,a}$ (MPa)                                      | 1.8  | -                                                              | -            | -     |
|                                      | $P$ (mW)                                             | -    | 2.8                                                            | 2.0          | 4.9   |
|                                      | Min of $[P_{a,i}(t_{a,i}), I_{a,a,i}(t_{a,i})]$ (mW) | -    | -                                                              | -            | -     |
|                                      | $I_{a,a}$ (cm)                                       | -    | -                                                              | -            | -     |
|                                      | $I_{a,b}$ (cm)                                       | -    | -                                                              | -            | -     |
|                                      | $I_{a,c}$ (cm)                                       | -    | -                                                              | -            | 2.1   |
|                                      | $I_{a,d}$ (cm)                                       | -    | -                                                              | -            | -     |
|                                      | $I_{a,e}$ (cm)                                       | 1.9  | -                                                              | -            | -     |
|                                      | $I_{a,f}$ (cm)                                       | -    | 5.4                                                            | -            | 5.4   |
|                                      | $I_{a,g}$ (cm)                                       | -    | 1.3                                                            | -            | 0.94  |
| Other                                | Dim of $A_{a,n}$ (cm)                                | -    | 0.70                                                           | -            | 0.70  |
|                                      | X                                                    | -    | -                                                              | -            | -     |
|                                      | Y                                                    | -    | -                                                              | -            | -     |
|                                      | $I_{a,i}$ (uac)                                      | 0.24 | -                                                              | -            | -     |
|                                      | $I_{a,j}$ (Hz)                                       | 1002 | -                                                              | -            | -     |
|                                      | $I_{a,k}$ at max. $I_{a,i}$ (MPa)                    | 2.4  | -                                                              | -            | -     |
|                                      | $I_{a,l}$ at max. $I_{a,i}$ (cm)                     | -    | -                                                              | -            | -     |
|                                      | $I_{a,m}$ at max. $I_{a,i}$ (W/cm <sup>2</sup> )     | 301  | -                                                              | -            | 0.12  |
|                                      | $I_{a,n}$ at max. $I_{a,i}$ (cm)                     | -    | 3.6                                                            | -            | 7.5   |
|                                      | $I_{a,o}$ at max. $I_{a,i}$ (cm)                     | -    | 2.5                                                            | -            | 2.5   |
| Information                          | FL <sub>1</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>2</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>3</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>4</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>5</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>6</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>7</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>8</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>9</sub> (cm)                                 | -    | -                                                              | -            | -     |
|                                      | FL <sub>10</sub> (cm)                                | -    | -                                                              | -            | -     |
| Operating<br>control<br>conditions   | FL <sub>11</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>12</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>13</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>14</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>15</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>16</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>17</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>18</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>19</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>20</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>21</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>22</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>23</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>24</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>25</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>26</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>27</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>28</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>29</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>30</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>31</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>32</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>33</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>34</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>35</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>36</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>37</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>38</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>39</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>40</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>41</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>42</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>43</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>44</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>45</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>46</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>47</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>48</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>49</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>50</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>51</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>52</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>53</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>54</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>55</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>56</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>57</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>58</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>59</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>60</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>61</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>62</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>63</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>64</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>65</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>66</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>67</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>68</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>69</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>70</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>71</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>72</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>73</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>74</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>75</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>76</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>77</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>78</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>79</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>80</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>81</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>82</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>83</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>84</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>85</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>86</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>87</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>88</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>89</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>90</sub> (cm)                                | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>91</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>92</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>93</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>94</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>95</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>96</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>97</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>98</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>99</sub> (cm)                                | -    | -                                                              | -            | -     |
|                                      | FL <sub>100</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>101</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>102</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>103</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>104</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>105</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>106</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>107</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>108</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>109</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>110</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>111</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>112</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>113</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>114</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>115</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>116</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>117</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>118</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>119</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>120</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>121</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>122</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>123</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>124</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>125</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>126</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>127</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>128</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>129</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>130</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>131</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>132</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>133</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>134</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>135</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>136</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>137</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>138</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>139</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>140</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>141</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>142</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>143</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>144</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>145</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>146</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>147</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>148</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>149</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>150</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>151</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>152</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>153</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>154</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>155</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>156</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>157</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>158</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>159</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>160</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>161</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>162</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>163</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>164</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>165</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>166</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>167</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>168</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>169</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>170</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>171</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>172</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>173</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>174</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>175</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>176</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>177</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>178</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>179</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>180</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>181</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>182</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>183</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>184</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>185</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>186</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>187</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>188</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>189</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>190</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>191</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>192</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>193</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>194</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>195</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>196</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>197</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>198</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>199</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>200</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>201</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>202</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>203</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>204</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>205</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>206</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>207</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>208</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>209</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>210</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>211</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>212</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>213</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>214</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>215</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>216</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>217</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>218</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>219</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>220</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>221</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>222</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>223</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>224</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>225</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>226</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>227</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>228</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>229</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>230</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>231</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>232</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>233</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>234</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>235</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>236</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>237</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>238</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>239</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>240</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>241</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>242</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>243</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>244</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>245</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>246</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>247</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>248</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>249</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>250</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>251</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>252</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>253</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>254</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>255</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>256</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>257</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>258</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>259</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>260</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>261</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>262</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>263</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>264</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>265</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>266</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>267</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>268</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>269</sub> (cm)                               | -    | -                                                              | -            | -     |
|                                      | FL <sub>270</sub> (cm)                               | -    | -                                                              | -            | -     |
| Flow Mode                            | FL <sub>271</sub> (cm)                               | -</  |                                                                |              |       |

NOTE 1 Data should only be entered in one of the columns related to T10  
NOTE 2 Information need not be provided regarding T10 if any transverse anatomy not identified for transverse or neonatal cephalic view  
NOTE 3 If the requirements of 2011.12A.2a are met, it is not required to enter any data in the columns related to T10, T18 or T1C.  
NOTE 4 If the requirements of 2011.12A.2b are met, it is not required to enter any data in the columns related to M1.  
NOTE 5 If the requirements of 2011.12A.2c are met, it is not required to enter any data in the columns related to M2.

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table

| Index label                    |                                                      | M/I                  | Scan   | TIS                                     | TIR      | TTC    |        |
|--------------------------------|------------------------------------------------------|----------------------|--------|-----------------------------------------|----------|--------|--------|
| Maximum Index Value            |                                                      |                      |        | $A_{\text{max}} \leq 1 \text{ cm}^{-1}$ | Non-scan |        |        |
| Associated acoustic parameters | $P_{\text{e, a}}$                                    | (MPa)                | 0.79   | -                                       | 0.27     | 0.77   | 0.56   |
|                                | $P_{\text{e, w}}$                                    | (mW)                 | 1.8    | -                                       | -        | -      | -      |
|                                | Min of $[P_{\text{e, f, a}}, I_{\text{a, w}}(f, z)]$ | (mW)                 | -      | -                                       | 11       | 9.6    | 11     |
|                                | $P_{\text{a}}$                                       | (cm)                 | -      | -                                       | -        | -      | -      |
|                                | $P_{\text{a, w}}$                                    | (cm)                 | -      | -                                       | -        | -      | -      |
|                                | $P_{\text{a}}$ at max. $I_{\text{a, w}}$             | (cm)                 | 1.9    | -                                       | -        | 1.8    | -      |
|                                | $A_{\text{a, f, w}}$                                 | (cm)                 | -      | -                                       | -        | -      | -      |
|                                | $I_{\text{a, w}}$                                    | (mHz)                | 8.5.33 | -                                       | D-5.06   | -      | D-5.07 |
|                                | Dim of $A_{\text{a, w}}$                             | (cm)                 | -      | -                                       | 1.2      | -      | 0.58   |
|                                | X                                                    | (cm)                 | -      | -                                       | 0.70     | -      | 0.70   |
| Other Information              | Y                                                    | (cm)                 | -      | -                                       | -        | -      | -      |
|                                | $I_{\text{a}}$                                       | (μsec)               | 0.24   | -                                       | -        | -      | -      |
|                                | $P_{\text{a}}$ at max. $I_{\text{a}}$                | (Hz)                 | 8971   | -                                       | -        | -      | -      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                | (MPa)                | 2.4    | -                                       | -        | -      | -      |
|                                | $I_{\text{a}}$ at max. $I_{\text{a}}$                | (W/cm <sup>2</sup> ) | 301    | -                                       | -        | -      | -      |
|                                | Focal Length                                         | (cm)                 | -      | -                                       | 5.0      | -      | 0.50   |
|                                | Fly                                                  | (cm)                 | -      | -                                       | 2.5      | -      | 2.5    |
|                                | PWR%                                                 | (%)                  | 100    | -                                       | 100      | -      | 100    |
|                                | T's Mode                                             | B/Pw                 | -      | -                                       | B/Pw     | -      | B/Pw   |
|                                | Wave Mode                                            | PND                  | -      | PND                                     | -        | PND    | PND    |
| Operating control conditions   | Frequency (B)                                        | Std                  | -      | Std                                     | -        | Std    | Std    |
|                                | Focus (B)                                            | F4                   | -      | F1                                      | -        | F1     | F1     |
|                                | Scan% (B)                                            | 25                   | -      | 25                                      | -        | 25     | 25     |
|                                | Range                                                | 12.0                 | -      | 9.0                                     | -        | 4.5    | 2.0    |
|                                | PRF Limit                                            | OFF                  | -      | OFF                                     | -        | OFF    | OFF    |
|                                | Line Density                                         | High                 | -      | High                                    | -        | Medium | Medium |
|                                | Flow Mode                                            | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Ref. Frequency (Color)                               | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Focus (Color)                                        | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Flow% (Color)                                        | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Color Velocity Range                                 | (cm/s)               | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Packet Size                                          | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Flow Area Depth                                      | (cm)                 | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Color Line Density                                   | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Pw Mode                                              | PW                   | -      | PW                                      | -        | PW     | PW     |
|                                | High PRF                                             | OFF                  | -      | OFF                                     | -        | OFF    | OFF    |
|                                | Ref. Frequency (D)                                   | Std                  | -      | Std                                     | -        | Std    | Std    |
|                                | Focus (D)                                            | F7                   | -      | F7                                      | -        | F5     | F1     |
|                                | Doppler Velocity Range                               | (cm/s)               | 83.88  | -                                       | 83.88    | -      | 138.59 |
|                                | Sample gate size                                     | (cm)                 | 0.1    | -                                       | 0.1      | -      | 0.1    |
| Sample gate depth              | (cm)                                                 | 4.0                  | -      | 4.0                                     | -        | 2.0    |        |
|                                | Triplets Frame Rate                                  | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Triplets VSL Range                                   | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |
|                                | Flow Area Range                                      | n/a                  | n/a    | n/a                                     | n/a      | n/a    | n/a    |

NOTE 1: Data should only be entered in one of the columns related to TIS

NOTE 2: Information need not be provided regarding TIC for any measurement unless not intended for transmission or manual capture, same

NOTE 3: If the requirements of 20.12.4.2.3 are met, it is not required to enter any data in the columns related to TIS, TIR or TIC.

NOTE 4: If the requirements of 20.12.4.2.3 are met, it is not required to enter any data in the columns related to ME.

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to TIS, TEB or TIO.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to ML.

NOTE 5: Focal Length is a NOMINAL value

| measurement uncertainty (%) |
|-----------------------------|
| $P$                         |
| $I_H$                       |
| $\sigma$                    |

Display accuracy

|    |                              |
|----|------------------------------|
| MI | 20% or 0.2, whichever larger |
| TI | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                    |                                                                                                       | <i>Mf</i>            | Scan  | <i>TDS</i><br>$A_{max} \leq 1 \text{ cm}^{-1} A_{min} \times 10^4$ | <i>TTB</i><br>Non-scan | <i>TTC</i> |
|--------------------------------|-------------------------------------------------------------------------------------------------------|----------------------|-------|--------------------------------------------------------------------|------------------------|------------|
| Maximum Index Value            | <i>P<sub>r,σ</sub></i>                                                                                | [MPa]                | -     | -                                                                  | -                      | 0.53       |
|                                | <i>P</i>                                                                                              | [mW]                 | -     | 11                                                                 | -                      | 9.3        |
|                                | Min of [ <i>P<sub>r</sub></i> ( <i>t<sub>0</sub></i> ), <i>t<sub>0</sub></i> , <i>t<sub>0</sub></i> ] | [mW]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i>                                                                                  | [cm]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i>                                                                                  | [cm]                 | -     | -                                                                  | -                      | 1.8        |
| Associated acoustic parameters | <i>t<sub>0</sub></i>                                                                                  | [cm]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i> at max. <i>t<sub>0</sub></i> , <i>t<sub>0</sub></i>                              | [cm]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i> at max. <i>t<sub>0</sub></i> , <i>t<sub>0</sub></i>                              | [cm]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i> at max. <i>t<sub>0</sub></i> , <i>t<sub>0</sub></i>                              | [cm]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i> at max. <i>t<sub>0</sub></i> , <i>t<sub>0</sub></i>                              | [cm]                 | -     | -                                                                  | -                      | -          |
| Other                          | <i>f<sub>0</sub></i>                                                                                  | [MHz]                | 5.1   | -                                                                  | 5.1                    | 5.1        |
|                                | Dim of <i>A<sub>0</sub></i>                                                                           | [cm]                 | -     | 1.2                                                                | -                      | 0.58       |
|                                | <i>t<sub>0</sub></i>                                                                                  | [cm]                 | -     | 0.70                                                               | -                      | 0.70       |
|                                | <i>t<sub>0</sub></i>                                                                                  | [μsec]               | 0.51  | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i>                                                                                  | [Hz]                 | 1628  | -                                                                  | -                      | -          |
| Information                    | <i>P<sub>r</sub></i> at max. <i>t<sub>0</sub></i>                                                     | [MPa]                | 2.0   | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i> at max. <i>t<sub>0</sub></i>                                                     | [cm]                 | -     | -                                                                  | -                      | -          |
|                                | <i>t<sub>0</sub></i> at max. <i>t<sub>0</sub></i>                                                     | [W/cm <sup>2</sup> ] | 151   | -                                                                  | -                      | 0.14       |
|                                | <i>f<sub>0</sub></i> at max. <i>t<sub>0</sub></i>                                                     | [cm]                 | -     | 5.0                                                                | -                      | 0.50       |
|                                | <i>f<sub>0</sub></i> at max. <i>t<sub>0</sub></i>                                                     | [cm]                 | -     | 2.5                                                                | -                      | 2.5        |
| Operating conditions           | <i>PWR</i> %                                                                                          | (%)                  | 100   | 100                                                                | -                      | 100        |
|                                | <i>Tx Mode</i>                                                                                        | M/Flow               | -     | M/Flow                                                             | -                      | M/Flow     |
|                                | <i>Wave Mode</i>                                                                                      | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Frequency (B)</i>                                                                                  | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Focus (B)</i>                                                                                      | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Scan's (B)</i>                                                                                     | (%)                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Range</i>                                                                                          | [cm]                 | 17.0  | -                                                                  | 12.0                   | -          |
|                                | <i>PRF Limit</i>                                                                                      | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Laser Density</i>                                                                                  | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Flow Mode</i>                                                                                      | Flow                 | -     | Flow                                                               | -                      | Flow       |
|                                | <i>Ref. Frequency (Color)</i>                                                                         | Std                  | -     | Std                                                                | -                      | Std        |
|                                | <i>Focus (Color)</i>                                                                                  | P5                   | -     | P7                                                                 | -                      | P5         |
|                                | <i>Flow's (Color)</i>                                                                                 | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Color Velocity Range</i>                                                                           | [cm/s]               | 12.45 | -                                                                  | 39.84                  | -          |
|                                | <i>Pixel Size</i>                                                                                     | [cm]                 | -     | n/a                                                                | n/a                    | n/a        |
|                                | <i>Flow Area Depth</i>                                                                                | [cm]                 | 17.0  | -                                                                  | 17.0                   | -          |
|                                | <i>Color Line Density</i>                                                                             | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Pw Mode</i>                                                                                        | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>High PRF</i>                                                                                       | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
|                                | <i>Ref. Frequency (D)</i>                                                                             | n/a                  | n/a   | n/a                                                                | n/a                    | n/a        |
| <i>Focus (D)</i>               | n/a                                                                                                   | n/a                  | n/a   | n/a                                                                | n/a                    |            |
| <i>Doppler Velocity Range</i>  | [cm/s]                                                                                                | n/a                  | n/a   | n/a                                                                | n/a                    |            |
| <i>Sample gate size</i>        | [cm]                                                                                                  | n/a                  | n/a   | n/a                                                                | n/a                    |            |
| <i>Sample gate depth</i>       | [cm]                                                                                                  | n/a                  | n/a   | n/a                                                                | n/a                    |            |
| <i>Triplets Frame Rate</i>     | [cm]                                                                                                  | n/a                  | n/a   | n/a                                                                | n/a                    |            |
| <i>Triplets VEL Range</i>      | [cm]                                                                                                  | n/a                  | n/a   | n/a                                                                | n/a                    |            |
| <i>Flow Area Lock</i>          | n/a                                                                                                   | n/a                  | n/a   | n/a                                                                | n/a                    |            |

NOTE 1 : Data should only be entered if use of the columns related to TDS

NOTE 2 : Information need not be provided regarding TTD for any transducer systems not intended for transponder or mounted applications use

NOTE 3 : If the requirements of 2013.4.2 are met, it is not required to enter data in the columns related to TDS, TTB or TTD.

NOTE 4 : If the requirements of 2013.4.2 are not met, it is not required to enter data in the columns related to Mf.

NOTE 5 : If the requirements of 2013.4.2 are not met, it is not required to enter data in the columns related to Mf.

NOTE 1 Data should only be entered in one of the columns related to T15

NOTE 2 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses

NOTE 3 If the requirements of 201.12.4.2a are met, it is not required to enter any data in the columns related to 155, 158 or 162.

NOTE 4 If the requirement of 2017.12.28 is

NOTE 5 Focal Length is a NOMINAL value

1000

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $P_c$                       | 18.75% |

Display accuracy

|    |                              |
|----|------------------------------|
| MI | 20% or 0.2, whichever larger |
| TI | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                       | TIS  |          | MT     | TTS  |          | TIB  | TTC         |
|-----------------------------------|------|----------|--------|------|----------|------|-------------|
|                                   | Scan | Non-scan |        | Scan | Non-scan |      |             |
| Maximum Index Value               | -    | -        | 0.79   | -    | -        | 0.79 | 0.57        |
| $P_{r,s}$                         | -    | -        | 1.8    | -    | -        | -    | -           |
| $P_r$ (mW)                        | -    | -        | -      | -    | -        | 9.9  | 11          |
| Min of $[P_r(f_s), I_{r,s}(f_s)]$ | -    | -        | -      | -    | -        | -    | -           |
| $P_r$ (mW)                        | -    | -        | -      | -    | -        | -    | -           |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | -        | -    | -           |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | -        | -    | -           |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | -        | 1.8  | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | 1.9    | -    | -        | -    | -           |
| $I_{r,s}(f_s)$                    | -    | -        | -      | -    | -        | 0.15 | -           |
| $I_{r,s}(f_s)$                    | -    | -        | -      | -    | -        | -    | -           |
| Dim of $A_{ref}$                  | X    | -        | B:5.33 | -    | D:5.06   | -    | C:5.1,D:5.1 |
| Dim of $A_{ref}$                  | Y    | -        | -      | -    | 1.2      | -    | 0.58        |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | 0.70     | -    | 0.70        |
| $I_{r,s}$ (cm)                    | -    | -        | 0.24   | -    | -        | -    | -           |
| $I_{r,s}$ (Hz)                    | -    | -        | 8916   | -    | -        | -    | -           |
| $P_r$ at max $I_{r,s}$            | -    | -        | 2.4    | -    | -        | -    | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | -      | -    | -        | 0.14 | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | -      | -    | -        | -    | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | 301    | -    | -        | -    | -           |
| Focal Length                      | FLx  | -        | -      | -    | 5.0      | -    | 0.50        |
| Focal Length                      | FLy  | -        | -      | -    | 2.5      | -    | 2.5         |
| $PWR_{RMS}$                       | -    | -        | 100    | -    | 100      | -    | 100         |
| Tx Mode                           | -    | -        | BFlow  | -    | BFlow    | -    | BFlow       |
| Wave Mode                         | -    | -        | FND    | -    | FND      | -    | FND         |
| Frequency (B)                     | -    | -        | Std    | -    | Std      | -    | Std         |
| Focus (B)                         | -    | -        | F4     | -    | F1       | -    | F3          |
| Scan% (B)                         | -    | -        | 27     | -    | 25       | -    | 27          |
| Range                             | -    | -        | 6.0    | -    | 6.0      | -    | 4.0         |
| PRF Limit                         | -    | -        | OFF    | -    | OFF      | -    | OFF         |
| Line Density                      | -    | -        | Low    | -    | Low      | -    | Low         |
| Flow Mode                         | -    | -        | Flow   | -    | Flow     | -    | Flow        |
| Ref. Frequency (Color)            | -    | -        | Std    | -    | Std      | -    | Std         |
| Focus (Color)                     | -    | -        | F4     | -    | F3       | -    | F1          |
| Flow% (Color)                     | -    | -        | 15     | -    | 15       | -    | 15          |
| Color Velocity Range              | -    | -        | 39.84  | -    | 61.30    | -    | 39.84       |
| Packet Size                       | -    | -        | Low    | -    | Low      | -    | Low         |
| Flow Area Depth                   | -    | -        | 6.0    | -    | 6.0      | -    | 4.0         |
| Color Line Density                | -    | -        | 1      | -    | 1        | -    | 1           |
| Pw Mode                           | -    | -        | PW     | -    | PW       | -    | PW          |
| High PRF                          | -    | -        | OFF    | -    | OFF      | -    | OFF         |
| Ref. Frequency (D)                | -    | -        | Std    | -    | Std      | -    | Std         |
| Focus (D)                         | -    | -        | F7     | -    | F7       | -    | F5          |
| Doppler Velocity Range            | -    | -        | 75.89  | -    | 83.88    | -    | 83.88       |
| Sample gate size                  | -    | -        | 0.1    | -    | 0.1      | -    | 0.1         |
| Sample gate length                | -    | -        | 4.0    | -    | 4.0      | -    | 2.0         |
| Triplex Frame Rate                | -    | -        | Medium | -    | Medium   | -    | Medium      |
| Triplex VEL Range                 | -    | -        | BFix   | -    | BFix     | -    | BFix        |
| Flow Area Lock                    | -    | -        | OFF    | -    | OFF      | -    | OFF         |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIS for any transducer assembly not intended for transcranial or neonatal cephalic use

NOTE 3 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{r,s}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TIB              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table

| Index label                       | TIS  |          | MT     | TTS  |             | TIB | TTC         |
|-----------------------------------|------|----------|--------|------|-------------|-----|-------------|
|                                   | Scan | Non-scan |        | Scan | Non-scan    |     |             |
| Maximum Index Value               | -    | -        | 0.79   | -    | -           | -   | 0.32        |
| $P_{r,s}$                         | -    | -        | 1.8    | -    | -           | -   | -           |
| $P_r$ (mW)                        | -    | -        | -      | -    | -           | -   | -           |
| Min of $[P_r(f_s), I_{r,s}(f_s)]$ | -    | -        | -      | -    | -           | -   | -           |
| $P_r$ (mW)                        | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | 1.9    | -    | -           | -   | -           |
| $I_{r,s}(f_s)$                    | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}(f_s)$                    | -    | -        | -      | -    | -           | -   | -           |
| Dim of $A_{ref}$                  | X    | -        | B:5.33 | -    | B:5.2,C:5.1 | -   | B:5.2,C:5.1 |
| Dim of $A_{ref}$                  | Y    | -        | -      | -    | 1.4         | -   | 1.4         |
| $I_{r,s}$ (cm)                    | -    | -        | -      | -    | 0.70        | -   | 0.70        |
| $I_{r,s}$ (cm)                    | -    | -        | 0.24   | -    | -           | -   | -           |
| $I_{r,s}$ (Hz)                    | -    | -        | 5027   | -    | -           | -   | -           |
| $P_r$ at max $I_{r,s}$            | -    | -        | 2.4    | -    | -           | -   | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | -      | -    | -           | -   | -           |
| $I_{r,s}$ at max $I_{r,s}$        | -    | -        | 301    | -    | -           | -   | -           |
| Focal Length                      | FLx  | -        | -      | -    | 0.90        | -   | 0.90        |
| Focal Length                      | FLy  | -        | -      | -    | 2.5         | -   | 2.5         |
| $PWR_{RMS}$                       | -    | -        | 100    | -    | 100         | -   | 100         |
| Tx Mode                           | -    | -        | BFlow  | -    | BFlow       | -   | BFlow       |
| Wave Mode                         | -    | -        | FND    | -    | FND         | -   | FND         |
| Frequency (B)                     | -    | -        | Std    | -    | Std         | -   | Std         |
| Focus (B)                         | -    | -        | F4     | -    | F3          | -   | F3          |
| Scan% (B)                         | -    | -        | 25     | -    | 25          | -   | 25          |
| Range                             | -    | -        | 12.0   | -    | 2.0         | -   | 2.0         |
| PRF Limit                         | -    | -        | OFF    | -    | OFF         | -   | OFF         |
| Line Density                      | -    | -        | Low    | -    | High        | -   | High        |
| Flow Mode                         | -    | -        | Flow   | -    | Flow        | -   | Flow        |
| Ref. Frequency (Color)            | -    | -        | Std    | -    | Std         | -   | Std         |
| Focus (Color)                     | -    | -        | F7     | -    | F3          | -   | F3          |
| Flow% (Color)                     | -    | -        | 15     | -    | 15          | -   | 15          |
| Color Velocity Range              | -    | -        | 39.84  | -    | 72.44       | -   | 72.44       |
| Packet Size                       | -    | -        | Low    | -    | High        | -   | High        |
| Flow Area Depth                   | -    | -        | 12.0   | -    | 2.0         | -   | 2.0         |
| Color Line Density                | -    | -        | 1      | -    | 3           | -   | 3           |
| Pw Mode                           | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| High PRF                          | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Ref. Frequency (D)                | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Focus (D)                         | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Doppler Velocity Range            | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Sample gate size                  | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Sample gate length                | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Triplex Frame Rate                | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Triplex VEL Range                 | -    | -        | n/a    | -    | n/a         | -   | n/a         |
| Flow Area Lock                    | -    | -        | n/a    | -    | n/a         | -   | n/a         |

NOTE 1 Data should only be entered in one of the columns related to TIS

NOTE 2 Information need not be provided regarding TIS for any transducer assembly not intended for transcranial or neonatal cephalic use

NOTE 3 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 4 If the requirements of 201.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 5 Focal Length is a NOMINAL value

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{r,s}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TIB              | 40% or 0.4, whichever larger |

(6) Независимые «карандашные» датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

| ARIETTA 50                       |                       | Independent                                |  |
|----------------------------------|-----------------------|--------------------------------------------|--|
| UST-22465-2                      |                       | Acoustic power is controllable by the user |  |
| Parameter                        | Mode                  | CWD                                        |  |
| Maximum power                    | (mW)                  | 68.3                                       |  |
| p <sub>r</sub>                   | (MPa)                 | 0.123                                      |  |
| I <sub>0</sub>                   | (mW/cm <sup>2</sup> ) | 91.3                                       |  |
| I <sub>avg</sub>                 | (mW/cm <sup>2</sup> ) | 525.0                                      |  |
| PWAVE%                           | (%)                   | 100                                        |  |
| Tx Mode                          | Cw                    |                                            |  |
| Wave Mode                        | n/a                   |                                            |  |
| Frequency (H)                    | n/a                   |                                            |  |
| Focus (H)                        | n/a                   |                                            |  |
| Scan% (H)                        | n/a                   |                                            |  |
| Range                            | (cm)                  |                                            |  |
| PRF Limit                        | n/a                   |                                            |  |
| Late Density                     | n/a                   |                                            |  |
| Flow Mode                        | n/a                   |                                            |  |
| Ref. Frequency (Color)           | n/a                   |                                            |  |
| Focus (Color)                    | n/a                   |                                            |  |
| Flow% (Color)                    | n/a                   |                                            |  |
| Color Velocity Range             | (cm/s)                |                                            |  |
| Pack Size                        | n/a                   |                                            |  |
| Flow Area Depth                  | (cm)                  |                                            |  |
| Color Late Density               | n/a                   |                                            |  |
| Pw Mode                          | n/a                   |                                            |  |
| High PRF                         | n/a                   |                                            |  |
| Ref. Frequency (D)               | n/a                   |                                            |  |
| Focus (D)                        | Fixed                 |                                            |  |
| Doppler Velocity Range           | (cm/s)                |                                            |  |
| Sample gate size                 | (cm)                  |                                            |  |
| Sample gate depth                | (cm)                  |                                            |  |
| Triplex Frame Rate               | n/a                   |                                            |  |
| Triplex VIEL Range               | n/a                   |                                            |  |
| Flow Area Lock                   | n/a                   |                                            |  |
| f <sub>0</sub>                   | (mm)                  | 30.8                                       |  |
| W <sub>0</sub>                   | (mm)                  | 5.38                                       |  |
| W <sub>0</sub> Δ                 | (mm)                  | 4.10                                       |  |
| prf (PRF)                        | (Hz)                  | n/a                                        |  |
| prf (SRF)                        | (Hz)                  | n/a                                        |  |
| f <sub>0</sub> Δ                 | (mm)                  | n/a                                        |  |
| Output beam dimensions           | (mm)                  | 14 Dia./2                                  |  |
| f <sub>0</sub> Δ                 | (mm)                  | 14 Dia.                                    |  |
| f <sub>0</sub> Δ                 | (MHz)                 | 1.58                                       |  |
| Acoustic Power-up Fraction       | (%)                   | n/a                                        |  |
| Power-up mode                    | n/a                   |                                            |  |
| Acoustic Initialization Fraction | (%)                   | n/a                                        |  |
| Initialization mode              | n/a                   |                                            |  |
| Acoustic output freeze           | Yes                   |                                            |  |
| f <sub>0</sub> Δ                 | (mm)                  | 0.00                                       |  |
| f <sub>0</sub> Δ                 | (mm)                  | contact                                    |  |
| Inclusive modes                  |                       |                                            |  |
| measured accuracy (%)            |                       |                                            |  |
| f <sub>0</sub> Δ                 | 0.00%                 |                                            |  |
| f <sub>0</sub> Δ                 | 31.14%                |                                            |  |
| f <sub>0</sub> Δ                 | 14.78%                |                                            |  |



Table 201.103 – Acoustic output reporting table

| Index label                    | MI     | TIS  |          | TIB | TIC |
|--------------------------------|--------|------|----------|-----|-----|
|                                |        | Scan | Non-scan |     |     |
| Maximum Index Value            | 0.073  | -    | -        | 2.6 | 1.7 |
| $p_{1,e}$                      | 0.10   | -    | -        | -   | -   |
| $P$                            | (MPa)  | -    | 68       | 68  | 68  |
| $\min(p_{1,e}, I_{spt,e})$     | (mW)   | -    | -        | -   | -   |
| Associated acoustic parameters | (cm)   | -    | -        | -   | -   |
| $z_s$                          | (cm)   | -    | -        | -   | -   |
| $z_{1e}$                       | (cm)   | -    | -        | -   | -   |
| $z$ at max. $I_{spt,e}$        | (cm)   | -    | -        | -   | -   |
| $d_{spt,e}$                    | (MHz)  | -    | -        | -   | -   |
| $f_{spt}$                      | (MHz)  | -    | -        | -   | -   |
| Dim of $A_{spt}$               | (cm)   | -    | -        | -   | -   |
| $I_s$                          | (dB)   | -    | -        | -   | -   |
| $p_{1,e}$ at max. $I_{spt}$    | (MPa)  | -    | -        | -   | -   |
| $d_{spt}$ at max. $I_{spt}$    | (cm)   | -    | -        | -   | -   |
| $f_{spt}$ at max. $I_{spt}$    | (MHz)  | -    | -        | -   | -   |
| Focus Length                   | (cm)   | -    | -        | -   | -   |
| $f_{FL}$                       | (cm)   | -    | -        | -   | -   |
| $f_{FLy}$                      | (cm)   | -    | -        | -   | -   |
| PWR%                           | (%)    | -    | -        | -   | -   |
| Tx Mode                        | Cw     | -    | -        | -   | -   |
| Wave Mode                      | n/a    | -    | -        | -   | -   |
| Frequency (B)                  | n/a    | -    | -        | -   | -   |
| Focus (B)                      | n/a    | -    | -        | -   | -   |
| Scan% (B)                      | (%)    | -    | -        | -   | -   |
| Range                          | (cm)   | -    | -        | -   | -   |
| PRF Limit                      | n/a    | -    | -        | -   | -   |
| Line Density                   | n/a    | -    | -        | -   | -   |
| Flow Mode                      | n/a    | -    | -        | -   | -   |
| Ref. Frequency (Color)         | n/a    | -    | -        | -   | -   |
| Focus (Color)                  | n/a    | -    | -        | -   | -   |
| Flow% (Color)                  | (%)    | -    | -        | -   | -   |
| Color Velocity Range           | (cm/s) | -    | -        | -   | -   |
| Packet Size                    | n/a    | -    | -        | -   | -   |
| Flow Area Depth                | (cm)   | -    | -        | -   | -   |
| Color Line Density             | n/a    | -    | -        | -   | -   |
| Flow Mode                      | n/a    | -    | -        | -   | -   |
| High PRF                       | n/a    | -    | -        | -   | -   |
| Ref. Frequency (D)             | n/a    | -    | -        | -   | -   |
| Focus (D)                      | Fixed  | -    | -        | -   | -   |
| Doppler Velocity Range         | (cm/s) | -    | -        | -   | -   |
| Sample gate size               | (cm)   | -    | -        | -   | -   |
| Sample gate depth              | (cm)   | -    | -        | -   | -   |
| Triplex Frame Rate             | n/a    | -    | -        | -   | -   |
| Triplex VCL Range              | n/a    | -    | -        | -   | -   |
| Flow Area Lock                 | n/a    | -    | -        | -   | -   |

NOTE 1 Data should only be entered in one of the columns related to TIS.

NOTE 2 Information need not be provided regarding TIC for any transducer assembly not intended for transcranial or neonatal capital uses.

NOTE 3 If the requirements of 201.12.4.4 are met, it is not required to enter any data in the column related to TIC, TIB or TIC.

NOTE 4 If the requirements of 201.12.4.4b are met, it is not required to enter any data in the column related to TIC.

NOTE 5 Focus Length is a 1000Hz value.

measurement uncertainty (%)

P

I<sub>spt</sub>P<sub>r</sub>

Display accuracy

MI

TI

20% or 0.2, whichever larger

40% or 0.4, whichever larger

## 1.3 Таблица акустической мощности (если отображение TI производится в соответствии с IEC 62359 ред.2)

### 1.3.1 Точность отображения MI/TI

Механический индекс  $MI$  зависит от пикового акустического давления разряжения с учётом затухания,  $p_{r,e}$ . Точность отображения механического индекса должна быть связана с погрешностью измерений  $p_{r,e}$ .

Температурный индекс  $TI$  зависит от общей мощности  $P$  и ослабленной максимальной в пространстве и усредненной во времени интенсивности  $I_{spt,e}$ . Точность отображения температурных индексов должна быть связана с погрешностью измерений  $P$  и  $p_{r,e}$ .

Точность отображения  $MI/TI$  приведена для каждой таблицы акустического выходного сигнала.

### 1.3.2 Символы, используемые в таблице акустического выходного сигнала

Список символов в таблице акустической выходной мощности согласно IEC 61157 4.2.2

| Максимальная мощность  | усредненная во времени максимальная выходная мощность (максимальная мощность) (мВт)                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $p_{-}$                | пиковое акустическое давление расширения, измеренное в воде (МПа)                                                                                                                                                                         |
| $I_{ob}$               | интенсивность выходного луча (мВт/см <sup>2</sup> )                                                                                                                                                                                       |
| $I_{spta}$             | максимальная в пространстве и усредненная во времени интенсивность, измеренная в воде (мВт/см <sup>2</sup> )                                                                                                                              |
| $Z_p$                  | расстояние от выходной поверхности датчика до точки максимального квадратичного интегрального значения импульсного давления (или максимального среднего квадратичного акустического давления для систем с незатухающими колебаниями) (мм) |
| $Z_{tt}$               | расстояние от датчика до выходной поверхности датчика (мм)                                                                                                                                                                                |
| $Z_{ts}$               | типичное значение расстояния удаления датчика (мм)                                                                                                                                                                                        |
| $w_{pb6} (  )$         | ширина -6-дБ импульсного луча в точке максимального квадратичного интегрального значения импульсного давления для параллельного направления (мм)                                                                                          |
| $w_{pb6} (\perp)$      | ширина -6-дБ импульсного луча в точке максимального квадратичного интегрального значения импульсного давления для перпендикулярного направления (мм)                                                                                      |
| $prr$ (PRF)            | скорость (частота) повтора импульса (Гц)                                                                                                                                                                                                  |
| $srr$                  | Частота повторного сканирования (Гц)                                                                                                                                                                                                      |
| Размеры выходного луча | размеры выходного луча (мм) X, Y                                                                                                                                                                                                          |
| $f_{awf}$              | акустическая рабочая частота (МГц)                                                                                                                                                                                                        |

Список символов в IEC 60601-2-37 (2015) Таблица 201.103

| Термин           | Полная расшифровка                                                             |
|------------------|--------------------------------------------------------------------------------|
| $\alpha$         | коэффициент акустического затухания                                            |
| $f_{awf}$        | акустическая рабочая частота                                                   |
| $I_{pa, \alpha}$ | ослабленная средняя интенсивность импульса                                     |
| $I_{spta}$       | максимальная в пространстве и усредненная во времени интенсивность             |
| $I_{spta, a}$    | ослабленная максимальная в пространстве и усредненная во времени интенсивность |
| $MI$             | механический индекс                                                            |
| $n_{pps}$        | количество импульсов на строку ультразвуковой развертки                        |
| $P$              | выходная мощность                                                              |
| $P_{1 \times 1}$ | выходная мощность в ограниченном квадрате                                      |

Данные по акустической мощности

| Термин       | Полная расшифровка                                                |
|--------------|-------------------------------------------------------------------|
| $p_r$        | пиковое акустическое давление разрежения                          |
| $p_{r, a}$   | ослабленное пиковое акустическое давление расширения              |
| $p_{ii}$     | интеграл интенсивности импульса                                   |
| $p_{rr}$     | скорость повтора импульса                                         |
| $s_{rr}$     | частота повторного сканирования                                   |
| $TI$         | тепловой индекс                                                   |
| $TIB$        | тепловой индекс костей                                            |
| $TIC$        | тепловой индекс костей черепа                                     |
| $TIS$        | тепловой индекс мягких тканей                                     |
| $z$          | расстояние от источника до заданной точки                         |
| $z_b$        | глубина для $TIB$                                                 |
| $z_s$        | глубина для $TIS$                                                 |
| $Z_{MI}$     | глубина для механического индекса                                 |
| $Z_{pii}$    | глубина для интеграла интенсивности пикового импульса             |
| $Z_{pii, a}$ | глубина для интеграла ослабленной интенсивности пикового импульса |

Таблицы акустической мощности (Таблица 201.103) приведены для всех датчиков в каждом режиме, независимо от значения  $TI$  и  $MI$ .

Значения 1,0 для  $MI$  и  $TI$  не должны быть превышены в любом рабочем состоянии для следующих датчиков:

- C41L47RP(L)



### 1.3.3 Таблица акустического выходного сигнала

#### (1) Электронные конвексные датчики

Acoustic output data in accordance with IEC 61157/A2.2, accompanying literature

| ARIETTA 50                       |          | Convex |  | C251 |  | Acoustic power is controllable by the user: |         | Mode    |         | B <sub>0</sub> |          | B <sub>100</sub> |          | M        |          | D <sub>0</sub> |          | (B+D) <sub>0</sub> |          | (B+D) <sub>100</sub> |          | (B+Color)P |          | (B+Color)Dip |          | (B+Color-D)lapa |          |
|----------------------------------|----------|--------|--|------|--|---------------------------------------------|---------|---------|---------|----------------|----------|------------------|----------|----------|----------|----------------|----------|--------------------|----------|----------------------|----------|------------|----------|--------------|----------|-----------------|----------|
| parameter                        |          |        |  |      |  |                                             |         |         |         |                |          |                  |          |          |          |                |          |                    |          |                      |          |            |          |              |          |                 |          |
| Maximum power                    | (mW)     |        |  |      |  | 144                                         | 157     | 129     | 48      | 112            | 36       | 119              | 31       | 130      | 89       | 89             | 113      | 113                |          |                      |          |            |          |              |          |                 |          |
| P <sub>0</sub>                   | (MPa)    |        |  |      |  | 4.1                                         | 2.9     | 4.1     | 3.9     | 1.0            | 4.1      | 2.4              | 4.1      | 2.3      | 4.1      | 3.3            | 3.3      |                    |          |                      |          |            |          |              |          |                 |          |
| I <sub>0</sub>                   | (mW/cm²) |        |  |      |  | 68                                          | 95      | 61      | 30      | 58             | 31       | 80               | 26       | 116      | 75       | 75             | 60       |                    |          |                      |          |            |          |              |          |                 |          |
| P <sub>100</sub>                 | (mW/cm²) |        |  |      |  | 25                                          | 154     | 1445    | 874     | 1848           | 156      | 1525             | 4.7      | 192      | 1158     | 1158           | 1763     |                    |          |                      |          |            |          |              |          |                 |          |
| PWR%                             | (%)      |        |  |      |  | 100                                         | 100     | 100     | 100     | 100            | 100      | 100              | 100      | 100      | 100      | 100            | 100      |                    |          |                      |          |            |          |              |          |                 |          |
| Tx Mode                          |          |        |  |      |  | B                                           | B       | M       | Pw      | Pw             | THIRP.L1 | THIRP.L1         | THIRP.L1 | THIRP.L1 | THIRP.L1 | THIRP.L1       | THIRP.L1 | THIRP.L1           | THIRP.L1 | THIRP.L1             | THIRP.L1 | THIRP.L1   | THIRP.L1 | THIRP.L1     | THIRP.L1 | THIRP.L1        | THIRP.L1 |
| Wave Mode                        |          |        |  |      |  | High                                        | High    | High    | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Frequency (B)                    |          |        |  |      |  | F4                                          | F3      | F4      | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Focus (B)                        |          |        |  |      |  | 100                                         | 25      | 30.0    | 30.0    | 30.0           | 30.0     | 30.0             | 30.0     | 30.0     | 30.0     | 30.0           | 30.0     | 30.0               | 30.0     | 30.0                 | 30.0     | 30.0       | 30.0     | 30.0         | 30.0     | 30.0            | 30.0     |
| Search (B)                       |          |        |  |      |  | Range                                       | Range   | Range   | Range   | Range          | Range    | Range            | Range    | Range    | Range    | Range          | Range    | Range              | Range    | Range                | Range    | Range      | Range    | Range        | Range    | Range           | Range    |
| PRF Limit                        |          |        |  |      |  | ON                                          | OFF     | OFF     | OFF     | OFF            | OFF      | OFF              | OFF      | OFF      | OFF      | OFF            | OFF      | OFF                | OFF      | OFF                  | OFF      | OFF        | OFF      | OFF          | OFF      | OFF             | OFF      |
| Line Density                     |          |        |  |      |  | Low                                         | High    | High    | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Flow Mode                        |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Ref. Frequency (Color)           |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Focus (Color)                    |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Flow% (Color)                    |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Color Velocity Range             |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Packet Size                      |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Flow Area Depth                  |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Color Line Density               |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Pw Mode                          |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| High PRF                         |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Ref. Frequency (D)               |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Focus (D)                        |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Doppler Velocity Range           |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Sample gate size                 |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Sample gate depth                |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Triplex Frame Rate               |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Triplex VEL Range                |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Flow Area Lock                   |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | 65                                          | 49      | 65      | 50      | 65             | 65       | 65               | 65       | 65       | 65       | 65             | 65       | 65                 | 65       | 65                   | 65       | 65         | 65       | 65           | 65       | 65              | 65       |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | 2.8                                         | 2.6     | 2.8     | 2.3     | 2.5            | 2.8      | 2.5              | 2.8      | 2.8      | 2.8      | 2.8            | 2.5      | 2.8                | 2.5      | 2.8                  | 2.8      | 2.8        | 2.8      | 2.8          | 2.5      | 2.5             | 2.5      |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | 4.3                                         | 3.6     | 4.3     | 3.1     | 3.6            | 4.3      | 3.6              | 4.3      | 3.6      | 4.3      | 3.6            | 4.3      | 3.6                | 4.3      | 3.6                  | 4.3      | 3.6        | 4.3      | 3.6          | 3.6      | 3.6             |          |
| I <sub>100</sub>                 | (Hz)     |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| I <sub>0</sub>                   | (Hz)     |        |  |      |  | 21                                          | 66      | 66      | 501     | 18315          | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| I <sub>100</sub>                 | (Hz)     |        |  |      |  | 2.0                                         | 2.0     | 2.0     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | 53                                          | 53      | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | 19                                          | 15      | 19      | 14      | 18             | 19       | 18               | 19       | 18       | 19       | 18             | 19       | 18                 | 19       | 18                   | 19       | 18         | 19       | 18           | 19       | 18              | 18       |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | 11                                          | 11      | 11      | 11      | 11             | 11       | 11               | 11       | 11       | 11       | 11             | 11       | 11                 | 11       | 11                   | 11       | 11         | 11       | 11           | 11       | 11              | 11       |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | 2.6                                         | 2.6     | 2.6     | 2.6     | 3.1            | 2.6      | 3.1              | 2.6      | 3.1      | 2.6      | 3.1            | 2.6      | 3.1                | 2.6      | 3.1                  | 2.6      | 3.1        | 2.6      | 3.1          | 2.6      | 3.1             | 3.1      |
| I <sub>0</sub>                   | (MHz)    |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| I <sub>100</sub>                 | (%)      |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Power-up mode                    |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Acoustic Power-up fraction       |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Power-up mode                    |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Acoustic Initialization fraction |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Acoustic Initialization mode     |          |        |  |      |  | n/a                                         | n/a     | n/a     | n/a     | n/a            | n/a      | n/a              | n/a      | n/a      | n/a      | n/a            | n/a      | n/a                | n/a      | n/a                  | n/a      | n/a        | n/a      | n/a          | n/a      | n/a             | n/a      |
| Acoustic output fraction         |          |        |  |      |  | Yes                                         | Yes     | Yes     | Yes     | Yes            | Yes      | Yes              | Yes      | Yes      | Yes      | Yes            | Yes      | Yes                | Yes      | Yes                  | Yes      | Yes        | Yes      | Yes          | Yes      | Yes             | Yes      |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | 1.5                                         | 1.5     | 1.5     | 1.5     | 1.5            | 1.5      | 1.5              | 1.5      | 1.5      | 1.5      | 1.5            | 1.5      | 1.5                | 1.5      | 1.5                  | 1.5      | 1.5        | 1.5      | 1.5          | 1.5      | 1.5             | 1.5      |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>0</sub>                   | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  | contact         | contact  |
| I <sub>100</sub>                 | (mm)     |        |  |      |  | contact                                     | contact | contact | contact | contact        | contact  | contact          | contact  | contact  | contact  | contact        | contact  | contact            | contact  | contact              | contact  | contact    | contact  | contact      | contact  |                 |          |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                           |         | MODE    |         | B/A-Mode |         |
|------------------------------------------------------------|---------|---------|---------|----------|---------|
| C251                                                       |         |         |         |          |         |
| Index Label                                                | MT      | TIS     | TIB     | TTC      |         |
| Maximum Index Value                                        | 1.6     | 1.0     | 2.5     | 2.2      |         |
| Index Component Value                                      |         |         |         |          |         |
| $P_{iso}$ (MPa)                                            | 2.6     | 1.0     | 0.50    | 2.5      |         |
| $P_{iso}$ (mW)                                             |         | 130     |         |          | 213     |
| $P_{iso}$ (mW)                                             |         | 70      |         |          | 53      |
| $Z_s$ (cm)                                                 |         | 1.9     |         |          | 5.1     |
| $Z_s$ (cm)                                                 |         |         |         |          |         |
| $Z_{iso}$ (cm)                                             | 4.5     |         |         |          |         |
| $Z_{iso}$ (cm)                                             | 4.5     |         |         |          |         |
| $f_{ref}$ (MHz)                                            | 2.6     | 3.1     | 2.0     | 2.0      | 2.0     |
| $PRF$                                                      | 2002    |         |         |          |         |
| $n_{ref}$                                                  | 2.0     |         |         |          |         |
| Other Information                                          |         |         |         |          |         |
| $I_{peak}$ at $Z_{iso}$ (W/cm <sup>2</sup> )               | 483     |         |         |          |         |
| $I_{peak}$ at $Z_{iso}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 248     |         |         |          |         |
| $I_{peak}$ at $Z_{iso}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 569     |         |         |          |         |
| $P_r$ at $Z_{iso}$ (MPa)                                   | 3.6     |         |         |          |         |
| PRF%                                                       | 100     | 100     | 100     | 100      | 100     |
| Wave Mode                                                  | B/M     | B/M     | B/M     | B/M      | B/M     |
| Frequency (B)                                              | TH(P/L) | TH(P/L) | TH(P/L) | TH(P/L)  | TH(P/L) |
| Focus (B)                                                  | High    | High    | High    | High     | High    |
| Focus (B)                                                  | F3      | F3      | F4      | F6       | F6      |
| Scan% (B)                                                  | 100     | 100     | 100     | 100      | 100     |
| Range                                                      | 30.0    | 30.0    | 30.0    | 30.0     | 30.0    |
| PRF Limit                                                  | ON      | OFF     | ON      | ON       | ON      |
| Line Density                                               | Low     | High    | Low     | Low      | Low     |
| Flow Mode                                                  | n/a     | n/a     | n/a     | n/a      | n/a     |
| Ref. Frequency (Color)                                     | n/a     | n/a     | n/a     | n/a      | n/a     |
| Focus (Color)                                              | n/a     | n/a     | n/a     | n/a      | n/a     |
| Flow% (Color)                                              | n/a     | n/a     | n/a     | n/a      | n/a     |
| Color Velocity Range                                       | n/a     | n/a     | n/a     | n/a      | n/a     |
| Packet Size                                                | n/a     | n/a     | n/a     | n/a      | n/a     |
| Flow Arm Depth                                             | n/a     | n/a     | n/a     | n/a      | n/a     |
| Color Line Density                                         | n/a     | n/a     | n/a     | n/a      | n/a     |
| Pre Mode                                                   | n/a     | n/a     | n/a     | n/a      | n/a     |
| High PRF                                                   | n/a     | n/a     | n/a     | n/a      | n/a     |
| Ref. Frequency (D)                                         | n/a     | n/a     | n/a     | n/a      | n/a     |
| Focus (D)                                                  | n/a     | n/a     | n/a     | n/a      | n/a     |
| Doppler Velocity Range                                     | n/a     | n/a     | n/a     | n/a      | n/a     |
| Sample gate size                                           | n/a     | n/a     | n/a     | n/a      | n/a     |
| Sample gate depth                                          | n/a     | n/a     | n/a     | n/a      | n/a     |
| Triplex Frame Rate                                         | n/a     | n/a     | n/a     | n/a      | n/a     |
| Triplex VBL Range                                          | n/a     | n/a     | n/a     | n/a      | n/a     |
| Flow Arm Lock                                              | n/a     | n/a     | n/a     | n/a      | n/a     |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{iso}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TIB              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                           |         | MODE |      | B-Mode  |         |
|------------------------------------------------------------|---------|------|------|---------|---------|
| C251                                                       |         |      |      |         |         |
| Index Label                                                | MT      | TIS  | TIB  | TTC     |         |
| Maximum Index Value                                        | 1.6     | 1.1  | 1.1  | 1.1     | 2.3     |
| Index Component Value                                      |         |      |      |         |         |
| $P_{iso}$ (MPa)                                            | 2.6     | 1.1  | 1.1  | 1.1     |         |
| $P_{iso}$ (mW)                                             |         | 152  |      | 152     | 283     |
| $P_{iso}$ (mW)                                             |         | 83   |      | 83      |         |
| $Z_s$ (cm)                                                 |         | -    |      |         | 1.5     |
| $Z_s$ (cm)                                                 |         |      |      |         |         |
| $Z_{iso}$ (cm)                                             | 4.5     |      |      |         |         |
| $Z_{iso}$ (cm)                                             | 4.5     |      |      |         |         |
| $f_{ref}$ (MHz)                                            | 2.6     | 2.8  | 2.8  | 2.8     | 2.0     |
| $PRF$                                                      | 2240    |      |      |         |         |
| $n_{ref}$                                                  | 2.0     |      |      |         |         |
| Other Information                                          |         |      |      |         |         |
| $I_{peak}$ at $Z_{iso}$ (W/cm <sup>2</sup> )               | 483     |      |      |         |         |
| $I_{peak}$ at $Z_{iso}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 9.5     |      |      |         |         |
| $I_{peak}$ at $Z_{iso}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 20      |      |      |         |         |
| $P_r$ at $Z_{iso}$ (MPa)                                   | 3.6     |      |      |         |         |
| PRF%                                                       | 100     | 100  | 100  | 100     | 100     |
| Wave Mode                                                  | B       | B    | B    | B       | B       |
| Frequency (B)                                              | TH(P/L) | PND  | PND  | TH(P/L) | TH(P/L) |
| Focus (B)                                                  | High    | High | High | High    | High    |
| Focus (B)                                                  | F3      | F3   | F1   | F1      | F6      |
| Scan% (B)                                                  | 100     | 25   | 25   | 25      | 100     |
| Range                                                      | 30.0    | 4.0  | 4.0  | 4.0     | 30.0    |
| PRF Limit                                                  | ON      | OFF  | OFF  | OFF     | ON      |
| Line Density                                               | Low     | High | High | High    | Low     |
| Flow Mode                                                  | n/a     | n/a  | n/a  | n/a     | n/a     |
| Ref. Frequency (Color)                                     | n/a     | n/a  | n/a  | n/a     | n/a     |
| Focus (Color)                                              | n/a     | n/a  | n/a  | n/a     | n/a     |
| Flow% (Color)                                              | n/a     | n/a  | n/a  | n/a     | n/a     |
| Color Velocity Range                                       | n/a     | n/a  | n/a  | n/a     | n/a     |
| Packet Size                                                | n/a     | n/a  | n/a  | n/a     | n/a     |
| Flow Arm Depth                                             | n/a     | n/a  | n/a  | n/a     | n/a     |
| Color Line Density                                         | n/a     | n/a  | n/a  | n/a     | n/a     |
| Pre Mode                                                   | n/a     | n/a  | n/a  | n/a     | n/a     |
| High PRF                                                   | n/a     | n/a  | n/a  | n/a     | n/a     |
| Ref. Frequency (D)                                         | n/a     | n/a  | n/a  | n/a     | n/a     |
| Focus (D)                                                  | n/a     | n/a  | n/a  | n/a     | n/a     |
| Doppler Velocity Range                                     | n/a     | n/a  | n/a  | n/a     | n/a     |
| Sample gate size                                           | n/a     | n/a  | n/a  | n/a     | n/a     |
| Sample gate depth                                          | n/a     | n/a  | n/a  | n/a     | n/a     |
| Triplex Frame Rate                                         | n/a     | n/a  | n/a  | n/a     | n/a     |
| Triplex VBL Range                                          | n/a     | n/a  | n/a  | n/a     | n/a     |
| Flow Arm Lock                                              | n/a     | n/a  | n/a  | n/a     | n/a     |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{iso}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TIB              | 40% or 0.4, whichever larger |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_H$                       | 37.14% |
| $p_e$                       | 18.75% |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $p_{\sigma}$                | 18.75% |

NOTE 1: Only one opening condition per hole.





| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $n$                         | 18.75% |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_p$                       | 37.14% |
| $p_i$                       | 18.75% |

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NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to ML.

NOTE: "—" indicates cells where a numerical value should be entered. The equipment setting related to the value has to be entered in the operating control section.

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

C253

Acoustic power is controllable by the user.

Convex

| parameter                                   | Mode     | B <sub>y</sub> | B <sub>max</sub> | M <sub>y</sub> | M <sub>max</sub> | D <sub>y</sub> | D <sub>max</sub> | (B+Color)p | (B+Color)hpa |
|---------------------------------------------|----------|----------------|------------------|----------------|------------------|----------------|------------------|------------|--------------|
| Maximum power                               | (mW)     | 65             | 105              | 38             | 59               | 54             | 88               | 36         | 80           |
| p                                           | (MPa)    | 3.7            | 2.5              | 3.7            | 2.4              | 4.3            | 1.0              | 4.3        | 2.7          |
| I <sub>0</sub>                              | (mW/cm²) | 39             | 82               | 23             | 36               | 34             | 46               | 25         | 53           |
| I <sub>avg</sub>                            | (mW/cm²) | 13             | 108              | 626            | 822              | 1013           | 1562             | 9.1        | 132          |
| FWHM                                        | (%)      | 100            | 100              | 100            | 100              | 100            | 100              | 100        | 100          |
| Tx Mode                                     | B        | B              | B                | M              | M                | Pw             | Pw               | BFlow      | BFlow        |
| Wave Mode                                   | FND      | TH(Pst)        | FND              | TH(Pst)        | TH(Pst)          | F4             | F4               | FND        | TH(Pst)      |
| Frequency (B)                               | Reso     | Reso           | Reso             | High           | High             | Reso           | Reso             | Reso       | Reso         |
| Focus (B)                                   | F2       | F2             | F3               | F3             | F3               | F3             | F3               | F1         | F2           |
| Scan's (B)                                  | 25       | 25             | n/a              | n/a            | n/a              | n/a            | n/a              | 100        | 25           |
| Range                                       | (cm)     | 40.0           | 12.0             | 40.0           | 30.0             | n/a            | n/a              | 40.0       | 30.0         |
| PRF Limit                                   | ON       | OFF            | OFF              | n/a            | n/a              | n/a            | n/a              | ON         | OFF          |
| Line Density                                | Low      | High           | n/a              | n/a            | n/a              | n/a            | n/a              | Low        | High         |
| Flow Mode                                   | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Flow       | Flow         |
| Ref. Frequency (Color)                      | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Reso       | Reso         |
| Focus (Color)                               | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | F3         | F3           |
| Flow's (Color)                              | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 100        | 15           |
| Color Velocity Range                        | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 0.63       | 39.84        |
| Packet Size                                 | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | Low        | High         |
| Flow Area Depth                             | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 40.0       | 30.0         |
| Color Line Density                          | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 1          | 3            |
| Pw Mode                                     | n/a      | n/a            | n/a              | n/a            | n/a              | PW             | PW               | n/a        | n/a          |
| High PRF                                    | n/a      | n/a            | n/a              | n/a            | n/a              | OFF            | OFF              | n/a        | n/a          |
| Ref. Frequency (D)                          | n/a      | n/a            | n/a              | n/a            | n/a              | Reso           | Reso             | n/a        | n/a          |
| Focus (D)                                   | n/a      | n/a            | n/a              | n/a            | n/a              | F3             | F4               | n/a        | n/a          |
| Doppler Velocity Range                      | (cm/s)   | n/a            | n/a              | n/a            | n/a              | 6.23           | 120.91           | n/a        | n/a          |
| Sample gate size                            | (cm)     | n/a            | n/a              | n/a            | n/a              | 0.1            | 0.1              | n/a        | n/a          |
| Sample gate depth                           | (cm)     | n/a            | n/a              | n/a            | n/a              | 3.4            | 7.2              | n/a        | n/a          |
| Triplex Pulse Rate                          | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a          |
| Triplex VEL Range                           | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a          |
| Flow Area Lock                              | n/a      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a          |
| F <sub>0</sub>                              | (Hz)     | 54             | 34               | 54             | 49               | 52             | 67               | 51         | 44           |
| w <sub>0</sub>                              | (L)      | 2.1            | 2.8              | 2.1            | 2.5              | 2.3            | 2.5              | 2.3        | 3.0          |
| p <sub>0</sub>                              | (L)      | 3.0            | 4.7              | 3.0            | 3.5              | 3.1            | 3.5              | 3.2        | 3.8          |
| p <sub>0</sub> (PRF)                        | n/a      | n/a            | n/a              | 1004           | 2003             | 501            | 15083            | n/a        | n/a          |
| p <sub>0</sub> (SRF)                        | (Hz)     | 33             | 115              | n/a            | n/a              | n/a            | n/a              | 5.1        | 14           |
| n <sub>0</sub>                              | (Hz)     | 1.0            | 1.0              | n/a            | n/a              | n/a            | n/a              | B-1, C9    | B-1, C13     |
| n <sub>0</sub> (Output beam dimensions)     | (L)      | 53             | 41               | n/a            | n/a              | n/a            | n/a              | B-29, C15  | B-21, C10    |
| f <sub>0</sub>                              | (Hz)     | 11             | 11               | 11             | 11               | 11             | 11               | 14         | 14           |
| f <sub>0</sub> (Acoustic Power-up function) | (MHz)    | 3.4            | 2.0              | 3.4            | 2.6              | 3.1            | 3.1              | 3.0        | 2.1          |
| Power-up mode                               | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a          |
| Acoustic Initialization function            | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a          |
| Acoustic Initialization mode                | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a          |
| Acoustic output freeze                      | Yes      | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes        | Yes          |
| f <sub>0</sub>                              | (cm)     | 1.5            | 1.5              | 1.5            | 1.5              | 1.5            | 1.5              | 1.5        | 1.5          |
| f <sub>0</sub> (Inclusive modes)            | (cm)     | contact        | contact          | contact        | contact          | contact        | contact          | contact    | contact      |





Table 201.103 – Acoustic output reporting table (IEC 60061-2-37 Ed.2 Amnd.1)

| Transducer Model                                            |           | MODE |          | B-M-Mode  |           |
|-------------------------------------------------------------|-----------|------|----------|-----------|-----------|
| C253                                                        |           |      |          |           |           |
| Index Label                                                 | MT        | TIS  | TIB      | TTC       |           |
| Maximum Index Value                                         | 1.6       | 0.62 | 0.45     | 1.9       | 1.7       |
| Index Component Value                                       |           | 0.62 | 0.60     |           |           |
| $P_{iso}$ (MPa)                                             | 2.3       | 67   | 86       | 175       |           |
| $P_{tot}$ (mW)                                              |           | 39   | 38       |           |           |
| $z_s$ (cm)                                                  |           | 1.5  | 3.3      |           |           |
| $z_{iso}$ (cm)                                              | 1.2       |      |          |           |           |
| $z_{piso}$ (cm)                                             | 1.2       |      |          |           |           |
| $f_{ref}$ (MHz)                                             | 2.0       | 3.4  | 2.5      | 2.1       |           |
| $f_{PRF}$ (Hz)                                              | 1483      |      |          |           |           |
| $n_{iso}$ (Hz)                                              | 19        |      |          |           |           |
| $n_{piso}$ (Hz)                                             | 1.0       |      |          |           |           |
| $f_{piso}$ at $z_{piso}$ (W/cm <sup>2</sup> )               | 176       |      |          |           |           |
| $f_{piso}$ at $z_{piso}$ or $z_{iso}$ (mW/cm <sup>2</sup> ) | 80        |      |          |           |           |
| $f_{iso}$ at $z_{iso}$ or $z_{iso}$ (mW/cm <sup>2</sup> )   | 95        |      |          |           |           |
| $P_r$ at $f_{iso}$ (MPa)                                    | 2.5       |      |          |           |           |
| PRF/Hz                                                      | 100       | 100  | 100      | 100       | 100       |
| Ts Mode                                                     | B/M       | B/M  | B/M      | B/M       | B/M       |
| Wave Mode                                                   | THU(PstT) | FND  | THU(2.1) | THU(PstT) | THU(PstT) |
| Frequency (B)                                               | Range     | High | High     | Range     | Range     |
| Focus (B)                                                   | F1        | F1   | F2       | F6        | F6        |
| Scan/Hz (B)                                                 | 100       | 25   | 100      | 100       | 100       |
| Range                                                       | 40.0      | 4.0  | 30.0     | 40.0      | 40.0      |
| PRF Limit                                                   | ON        | OFF  | ON       | ON        | ON        |
| Line Density                                                | Low       | High | Low      | Low       | Low       |
| Flow Mode                                                   | n/a       | n/a  | n/a      | n/a       | n/a       |
| Ref. Frequency (Color)                                      | n/a       | n/a  | n/a      | n/a       | n/a       |
| Focus (Color)                                               | n/a       | n/a  | n/a      | n/a       | n/a       |
| Flow/Hz (Color)                                             | n/a       | n/a  | n/a      | n/a       | n/a       |
| Color Velocity Range                                        | (cm/s)    | n/a  | n/a      | n/a       | n/a       |
| Pocket Size                                                 | n/a       | n/a  | n/a      | n/a       | n/a       |
| Flow Area Depth                                             | (cm)      | n/a  | n/a      | n/a       | n/a       |
| Color Line Density                                          | n/a       | n/a  | n/a      | n/a       | n/a       |
| Pre Mode                                                    | n/a       | n/a  | n/a      | n/a       | n/a       |
| High PRF                                                    | n/a       | n/a  | n/a      | n/a       | n/a       |
| Ref. Frequency (D)                                          | n/a       | n/a  | n/a      | n/a       | n/a       |
| Focus (D)                                                   | n/a       | n/a  | n/a      | n/a       | n/a       |
| Display Velocity Range                                      | (cm/s)    | n/a  | n/a      | n/a       | n/a       |
| Sample gate size                                            | (cm)      | n/a  | n/a      | n/a       | n/a       |
| Sample gate depth                                           | (cm)      | n/a  | n/a      | n/a       | n/a       |
| Triplex Frame Rate                                          | n/a       | n/a  | n/a      | n/a       | n/a       |
| Triplex VEL Range                                           | n/a       | n/a  | n/a      | n/a       | n/a       |
| Flow Area Lock                                              | n/a       | n/a  | n/a      | n/a       | n/a       |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIC.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60061-2-37 Ed.2 Amnd.1)

| Transducer Model                                            |          | MODE |      | B-Mode |      |
|-------------------------------------------------------------|----------|------|------|--------|------|
| C253                                                        |          |      |      |        |      |
| Index Label                                                 | MT       | TIS  | TIB  | TTC    |      |
| Maximum Index Value                                         | 1.6      | 0.63 | 0.63 | 0.63   | 1.9  |
| Index Component Value                                       |          | 0.63 | 0.63 | 0.63   |      |
| $P_{iso}$ (MPa)                                             | 2.1      | 71   | 71   | 235    |      |
| $P_{tot}$ (mW)                                              |          | 39   | 39   |        |      |
| $z_s$ (cm)                                                  |          | -    | 1.5  |        |      |
| $z_{iso}$ (cm)                                              | 2.9      |      |      |        |      |
| $z_{piso}$ (cm)                                             | 2.9      |      |      |        |      |
| $f_{ref}$ (MHz)                                             | 1.7      | 3.4  | 3.4  | 2.1    |      |
| $f_{PRF}$ (Hz)                                              | 1687     |      |      |        |      |
| $n_{iso}$ (Hz)                                              | 8.9      |      |      |        |      |
| $n_{piso}$ (Hz)                                             | 3.0      |      |      |        |      |
| $f_{piso}$ at $z_{piso}$ (W/cm <sup>2</sup> )               | 319      |      |      |        |      |
| $f_{piso}$ at $z_{piso}$ or $z_{iso}$ (mW/cm <sup>2</sup> ) | 12       |      |      |        |      |
| $f_{iso}$ at $z_{iso}$ or $z_{iso}$ (mW/cm <sup>2</sup> )   | 15       |      |      |        |      |
| $P_r$ at $f_{iso}$ (MPa)                                    | 2.3      |      |      |        |      |
| PRF/Hz                                                      | 100      | 100  | 100  | 100    | 100  |
| Ts Mode                                                     | CHU(A/M) | B    | B    | B      | B    |
| Wave Mode                                                   | FND      | FND  | FND  | FND    | FND  |
| Frequency (B)                                               | Range    | High | High | High   | High |
| Focus (B)                                                   | F3       | F1   | F1   | F1     | F1   |
| Scan/Hz (B)                                                 | 100      | 25   | 25   | 25     | 25   |
| Range                                                       | 30.0     | 4.0  | 4.0  | 4.0    | 40.0 |
| PRF Limit                                                   | ON       | OFF  | OFF  | ON     | ON   |
| Line Density                                                | High     | n/a  | n/a  | High   | Low  |
| Flow Mode                                                   | n/a      | n/a  | n/a  | n/a    | n/a  |
| Ref. Frequency (Color)                                      | n/a      | n/a  | n/a  | n/a    | n/a  |
| Focus (Color)                                               | n/a      | n/a  | n/a  | n/a    | n/a  |
| Flow/Hz (Color)                                             | n/a      | n/a  | n/a  | n/a    | n/a  |
| Color Velocity Range                                        | (cm/s)   | n/a  | n/a  | n/a    | n/a  |
| Pocket Size                                                 | n/a      | n/a  | n/a  | n/a    | n/a  |
| Flow Area Depth                                             | (cm)     | n/a  | n/a  | n/a    | n/a  |
| Color Line Density                                          | n/a      | n/a  | n/a  | n/a    | n/a  |
| Pre Mode                                                    | n/a      | n/a  | n/a  | n/a    | n/a  |
| High PRF                                                    | n/a      | n/a  | n/a  | n/a    | n/a  |
| Ref. Frequency (D)                                          | n/a      | n/a  | n/a  | n/a    | n/a  |
| Focus (D)                                                   | n/a      | n/a  | n/a  | n/a    | n/a  |
| Display Velocity Range                                      | (cm/s)   | n/a  | n/a  | n/a    | n/a  |
| Sample gate size                                            | (cm)     | n/a  | n/a  | n/a    | n/a  |
| Sample gate depth                                           | (cm)     | n/a  | n/a  | n/a    | n/a  |
| Triplex Frame Rate                                          | n/a      | n/a  | n/a  | n/a    | n/a  |
| Triplex VEL Range                                           | n/a      | n/a  | n/a  | n/a    | n/a  |
| Flow Area Lock                                              | n/a      | n/a  | n/a  | n/a    | n/a  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIC.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

C253

MODE

P.W.D-Mode

| Index Label                  |                                        | MT                    |  | TTS  |  | T7B    |  | T7C   |
|------------------------------|----------------------------------------|-----------------------|--|------|--|--------|--|-------|
| Maximum Index Value          |                                        | 1.6                   |  | 0.86 |  | 3.1    |  | 1.8   |
| Index Component Value        |                                        |                       |  | 0.50 |  | 0.74   |  | 3.1   |
| Acoustic Parameters          | $P_{100}$                              | (MPa)                 |  |      |  |        |  |       |
|                              | $P_{10}$                               | (mW)                  |  | 116  |  | 68     |  | 68    |
|                              | $P_{10}$                               | (mW)                  |  | 42   |  | 62     |  |       |
|                              | $P_{10}$                               | (cm)                  |  |      |  |        |  |       |
|                              | $P_{10}$                               | (cm)                  |  | 2.8  |  | 1.4    |  |       |
|                              | $P_{10}$                               | (cm)                  |  |      |  |        |  |       |
| Other Information            | $P_{10}$                               | 4.3                   |  |      |  |        |  |       |
|                              | $P_{10}$                               | 4.3                   |  |      |  |        |  |       |
|                              | $f_{ref}$                              | (MHz)                 |  | 2.5  |  |        |  |       |
|                              | $f_{ref}$                              | (Hz)                  |  | 407  |  | 2.5    |  | 2.5   |
|                              | $f_{ref}$                              | (Hz)                  |  | -    |  |        |  |       |
|                              | $n_{pm}$                               | -                     |  |      |  |        |  |       |
|                              | $f_{pm,0}$ at $f_{pm,0}$               | (W/cm <sup>2</sup> )  |  | 637  |  |        |  |       |
|                              | $f_{pm,0}$ at $f_{pm,0}$ or $f_{pm,0}$ | (mW/cm <sup>2</sup> ) |  | 380  |  |        |  |       |
|                              | $f_{pm}$ at $f_{pm}$ or $f_{pm}$       | (mW/cm <sup>2</sup> ) |  | 823  |  |        |  |       |
|                              | $P_{10}$ at $P_{10}$                   | (MPa)                 |  | 3.6  |  |        |  |       |
| Operating Control Conditions | P.W.D-Mode                             | (%)                   |  | 100  |  | 100    |  | 100   |
|                              | TTS Mode                               | Pw                    |  | Pw   |  | Pw     |  | Pw    |
|                              | Wave Mode                              | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Frequency (B)                          | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Focus (B)                              | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Search (B)                             | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Range                                  | (cm)                  |  | n/a  |  | n/a    |  | n/a   |
|                              | PRF Limit                              | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Line Density                           | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Flow Mode                              | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Ref. Frequency (Color)                 | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Focus (Color)                          | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Flow% (Color)                          | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Color Velocity Range                   | (cm/s)                |  | n/a  |  | n/a    |  | n/a   |
|                              | Picket Size                            | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Flow Area Depth                        | (cm)                  |  | n/a  |  | n/a    |  | n/a   |
|                              | Color Line Density                     | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Flow Mode                              | PW                    |  | PW   |  | PW     |  | PW    |
|                              | High PRF                               | OFF                   |  | OFF  |  | OFF    |  | OFF   |
|                              | Ref. Frequency (D)                     | Std                   |  | Std  |  | Std    |  | Std   |
|                              | Focus (D)                              | F3                    |  | F6   |  | F1     |  | F1    |
|                              | Doppler Velocity Range                 | (cm/s)                |  | 6.23 |  | 227.68 |  | 24.90 |
|                              | Sample gate size                       | (cm)                  |  | 0.1  |  | 0.1    |  | 0.1   |
|                              | Sample gate depth                      | (cm)                  |  | 9.4  |  | 0.0    |  | 0.0   |
|                              | Triplets Frame Rate                    | 3.4                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Triplets VFL Range                     | n/a                   |  | n/a  |  | n/a    |  | n/a   |
|                              | Flow Area Lock                         | n/a                   |  | n/a  |  | n/a    |  | n/a   |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TB.

NOTE 3 If the information is not available for any of the parameters listed in the columns related to TTS or TB, enter n/a.

NOTE 4 If the information is not available for any of the parameters listed in the columns related to TTS, TB or T7C, enter n/a.

NOTE 5 If the information is not available for any of the parameters listed in the columns related to TTS, TB or T7C, enter n/a.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating cell section.

NOTE 1 Only one operating condition per index.

NOTE 2 Index should be entered at surface and below surface both in the columns related to TTS or T7B.

NOTE 3 Index should be entered at surface and below surface both in the columns related to TTS or T7B.

NOTE 4 If the requirements of 201:12.4.2(a) are not, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 5 If the requirements of 201:12.4.2(b) are not, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| I <sub>μ</sub>              | 37.14% |
| P <sub>i</sub>              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |                        | MODE                  |          |          |          | M-Mode   |          |          |
|-----------------------|------------------------|-----------------------|----------|----------|----------|----------|----------|----------|
| C253                  |                        | MT                    |          | TTS      |          | T7B      |          | T7C      |
| Index Label           |                        | MT                    |          | TTS      |          | T7B      |          | T7C      |
| Maximum Index Value   |                        | 1.6                   |          | 0.69     |          | 2.2      |          | 1.4      |
| Index Component Value |                        | 0.34                  |          | 0.69     |          | 0.36     |          | 2.2      |
| Acoustic Parameters   | $P_{100}$              | (MPa)                 | 2.3      |          |          |          |          |          |
|                       | $P$                    | (mW)                  |          | 106      |          |          |          |          |
|                       | $P_{10}$               | (mW)                  |          | 35       |          | 80       |          | 106      |
|                       | $P_{10}$               | (cm)                  |          |          | 2.9      |          | 36       |          |
|                       | $P_{10}$               | (cm)                  |          |          |          |          |          | 5.2      |
|                       | $P_{10}$               | (cm)                  |          |          |          |          |          |          |
|                       | $P_{10}$               | (cm)                  |          |          |          |          |          |          |
| Other Information     | $P_{10}$               | (MHz)                 | 2.0      |          |          |          |          | 2.1      |
|                       | $P_{10}$               | (Hz)                  | 1010     |          |          |          |          |          |
|                       | $P_{10}$               | (Hz)                  | -        |          |          |          |          |          |
|                       | $P_{10}$               | (W/cm <sup>2</sup> )  | 176      |          |          |          |          |          |
|                       | $P_{10}$               | (mW/cm <sup>2</sup> ) | 156      |          |          |          |          |          |
|                       | $P_{10}$               | (mW/cm <sup>2</sup> ) | 184      |          |          |          |          |          |
|                       | $P_{10}$               | (MPa)                 | 2.5      |          |          |          |          |          |
|                       | $P_{10}$               | (%)                   | 100      | 100      | 100      | 100      | 100      | 100      |
|                       | $P_{10}$               | M                     | M        | M        | M        | M        | M        | M        |
|                       | $P_{10}$               | THH(PmT)              | THH(PmT) | THH(PmT) | THH(PmT) | THH(PmT) | THH(PmT) | THH(PmT) |
| Operating Control     | Wave Mode              | Razo                  | Razo     | Razo     | Razo     | Razo     | Razo     | Razo     |
|                       | Frequency (B)          | F1                    | F6       | F6       | F4       | F4       | F6       | F6       |
|                       | Focus (B)              | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Search (B)             | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Range                  | 40.0                  | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     | 40.0     |
|                       | PRF Limit              | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Line Density           | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Flow Mode              | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Ref. Frequency (Color) | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Focus (Color)          | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Flow% (Color)         | Color Velocity Range   | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Picket Size            | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Flow Area Depth        | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Color Line Density     | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Flow Mode              | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | High PRF               | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Ref. Frequency (D)     | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Focus (D)              | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Doppler Velocity Range | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Sample gate size       | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
| Triplets Frame Rate   | Sample gate depth      | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Triplets VFL Range     | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       | Flow Area Lock         | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |
|                       |                        | n/a                   | n/a      | n/a      | n/a      | n/a      | n/a      | n/a      |

NOTE 1: Only use operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to T7B or T7C.

NOTE 3: Information must not be reported T7C for any T7B/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/MT/M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NOTE 1 Only one operating condition per index.

NOTE 2 Index should be entered at surface and below surface both in the columns related to TTS or T7B.

NOTE 3 Index should be entered at surface and below surface both in the columns related to TTS or T7B.

NOTE 4 If the requirements of 201:12.4.2(a) are not, it is not required to enter any data in the columns related to TTS, T7B or T7C.



Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model       |                                     | C253                  |               | MODE   |            | B/PWD-mode    |          |
|------------------------|-------------------------------------|-----------------------|---------------|--------|------------|---------------|----------|
| Index Label            |                                     | TTS                   |               | MI     | TIB        |               | TTC      |
| Maximum Index Value    |                                     | at surface            | below surface |        | at surface | below surface |          |
| Index Component Value  |                                     | 0.50                  | 0.84          | 1.6    | 0.51       | 2.9           | 1.7      |
| Acoustic Parameters    | $P_{rms}$                           |                       |               | 2.3    |            |               |          |
|                        | $P$                                 | (in W)                |               |        |            |               |          |
|                        | $P_{1st}$                           | (in W)                |               | 113    |            |               | 70       |
|                        | $f_s$                               | (cm)                  |               | 41     |            |               | 48       |
|                        | $f_{max}$                           | (cm)                  |               |        | 2.8        |               |          |
|                        | $f_{min}$                           | (cm)                  |               |        |            |               | 3.8      |
|                        | $f_{avg}$                           | (cm)                  |               |        |            |               |          |
|                        | $f_{1st}$                           | (MHz)                 |               | 1.2    |            |               |          |
|                        | $f_{avg}$                           | (MHz)                 |               | B.2.02 |            |               |          |
|                        | $f_{1st}$                           | (Hz)                  |               | 1807   |            |               |          |
| Other Information      | $\eta_{avg}$                        | (Hz)                  |               | 12     |            |               |          |
|                        | $\eta_{avg}$                        |                       |               | 1.0    |            |               |          |
|                        | $f_{avg}$ at $f_{max}$              | (W/cm <sup>2</sup> )  |               | 188    |            |               |          |
|                        | $f_{avg}$ at $f_{max}$ or $f_{1st}$ | (mW/cm <sup>2</sup> ) |               | 522    |            |               |          |
|                        | $f_{avg}$ at $f_{1st}$ or $f_{min}$ | (mW/cm <sup>2</sup> ) |               | 1010   |            |               |          |
|                        | $P$ at $f_{avg}$                    | (MPa)                 |               | 2.5    |            |               |          |
|                        | $P_{RMS}$                           | (%)                   |               | 100    |            |               |          |
|                        | Tx Mode                             |                       | B/Pw          | 100    |            |               | 100      |
|                        | Wave Mode                           |                       | FND           | B/Pw   |            |               | B/Pw     |
|                        | Frequency (B)                       |                       | High          | FND    |            |               | THI(0mT) |
| Conditions             | Focus (B)                           | F1                    | F4            | High   | High       | High          | Reso     |
|                        | Scan# (B)                           | 25                    | 25            | 25     | F1         | F4            | F1       |
|                        | Range                               | (cm)                  | 30.0          | 25     | 25         | 25            | 25       |
|                        | PRF Limit                           | (cm)                  | 30.0          | 30.0   | 28.0       | 10.0          | 10.0     |
|                        | Line Density                        |                       | High          | High   | High       | High          | Medium   |
|                        | Pulse Mode                          |                       | n/a           | n/a    | n/a        | n/a           | n/a      |
|                        | Ref. Frequency (Color)              |                       | n/a           | n/a    | n/a        | n/a           | n/a      |
|                        | Focus (Color)                       |                       | n/a           | n/a    | n/a        | n/a           | n/a      |
|                        | Pulse# (Color)                      | (%)                   | n/a           | n/a    | n/a        | n/a           | n/a      |
|                        | Color Velocity Range                | (cm/s)                | n/a           | n/a    | n/a        | n/a           | n/a      |
| Peak Size              |                                     |                       | n/a           | n/a    | n/a        | n/a           |          |
| Pulse Area Depth       |                                     | (cm)                  | n/a           | n/a    | n/a        | n/a           |          |
| Color Line Density     |                                     |                       | n/a           | n/a    | n/a        | n/a           |          |
| Pulse Mode             |                                     |                       | n/a           | n/a    | n/a        | n/a           |          |
| High PRF               |                                     |                       | PW            | PW     | PW         | PW            |          |
| Ref. Frequency (D)     |                                     |                       | OFF           | OFF    | OFF        | OFF           |          |
| Focus (D)              |                                     |                       | Point         | Point  | Point      | Point         |          |
| Doppler Velocity Range |                                     | (cm/s)                | F3            | F3     | F3         | F1            |          |
| Sample gate size       |                                     | (cm)                  | 33.20         | 39.84  | 39.84      | 24.90         |          |
| Sample gate depth      |                                     | (cm)                  | 0.1           | 0.1    | 0.1        | 0.1           |          |
| Sample gate time       |                                     | (cm)                  | 9.4           | 9.4    | 3.4        | 0.0           |          |
| Triplets Frame Rate    |                                     |                       | n/a           | n/a    | n/a        | n/a           |          |
| Triplets VFL Range     |                                     |                       | n/a           | n/a    | n/a        | n/a           |          |
| Pulse Area Lock        |                                     |                       | n/a           | n/a    | n/a        | n/a           |          |

NOTE 1: Only use operating condition per index.

NOTE 2: Data should be entered for all surface and below surface balls in the columns related to TIB or TTS.

NOTE 3: Determination need to be entered for all surface and below surface balls in the columns related to B/Pw or THI(0mT).

NOTE 4: If the information need to be entered for all surface and below surface balls in the columns related to TTS, TIB or TTC.

NOTE 5: If the information of 201.12, 201.20 cm need, it is not required to enter any data in the column related to MI.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating field section.



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |  | C253 |  | MODE |  | B+CalerD-mode |  |     |  |
|-----------------------|--|------|--|------|--|---------------|--|-----|--|
| Index Label           |  | MT   |  | TTS  |  | TTB           |  | TTC |  |
| Maximum Index Value   |  | 1.6  |  | 0.85 |  | 3.0           |  | 1.7 |  |
| Index Component Value |  |      |  | 0.51 |  | 0.74          |  | 3.0 |  |
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Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

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C335 Convex

Acoustic power is controllable by the user.

|                                  | B <sub>0</sub> | B <sub>90°</sub> | M <sub>0</sub> | M <sub>90°</sub> | D <sub>0</sub> | D <sub>90°</sub> | (M+Color)P | (M+Color)I <sub>90°</sub> | (B+D) <sub>90°</sub> | (B+Color)P | (B+Color)I <sub>90°</sub> | (B+Color+D)P | (B+Color+D)I <sub>90°</sub> |
|----------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|------------|---------------------------|----------------------|------------|---------------------------|--------------|-----------------------------|
| parameter                        | Mode           |                  |                |                  |                |                  |            |                           |                      |            |                           |              |                             |
| Maximum power                    | (mW)           | 37               | 16             | 55               | 18             | 62               | 42         | 67                        | 11                   | 66         | 98                        | 21           | 65                          |
| P <sub>0</sub>                   | (MPa)          | 4.2              | 3.1            | 4.2              | 3.9            | 3.2              | 4.7        | 2.4                       | 4.2                  | 3.2        | 4.7                       | 4.7          | 3.7                         |
| I <sub>0</sub>                   | (mW/cm²)       | 54               | 24             | 57               | 26             | 64               | 43         | 69                        | 21                   | 77         | 100                       | 37           | 67                          |
| I <sub>90°</sub>                 | (mW/cm²)       | 14               | 187            | 462              | 705            | 1745             | 958        | 1627                      | 173                  | 1537       | 228                       | 283          | 1608                        |
| PWR%                             | (%)            | 100              | 100            | 100              | 100            | 100              | 100        | 100                       | 100                  | 100        | 100                       | 100          | 100                         |
| Tx Mode                          |                | B                | M              | M                | Pw             | Pw               | MFlow      | MFlow                     | B/Pw                 | B/Pw       | B/Pw                      | B/Pw         | B/Pw                        |
| Wave Mode                        | FND            | FND              | FND            | THRP.L           | n/a            | n/a              | n/a        | n/a                       | FND                  | FND        | FND                       | FND          | FND                         |
| Frequency (B)                    | Std            | Std              | Std            | High             | n/a            | n/a              | n/a        | n/a                       | Std                  | Std        | Std                       | Std          | Std                         |
| Focus (B)                        | F2             | F2               | F2             | F3               | n/a            | n/a              | n/a        | n/a                       | F2                   | F2         | F2                        | F2           | F2                          |
| Scan's (B)                       | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | 100                  | 25         | 100                       | 100          | 27                          |
| Range                            | (cm)           | 30.0             | 30.0           | 30.0             | n/a            | n/a              | 30.0       | 22.0                      | 30.0                 | 22.0       | 6.0                       | 30.0         | 24.0                        |
| PRF Limit                        | ON             | OFF              | OFF            | OFF              | n/a            | n/a              | n/a        | n/a                       | ON                   | OFF        | OFF                       | ON           | OFF                         |
| Line Density                     | Low            | High             | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | Low                  | High       | High                      | Low          | Medium                      |
| Flow Mode                        | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | Flow                        |
| Ref. Frequency (Color)           | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | Penet                       |
| Flow's (Color)                   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | Penet                       |
| Color Velocity Range             | (cm/s)         | n/a              | n/a            | n/a              | n/a            | n/a              | 12.45      | 83.88                     | n/a                  | 24.90      | 69.29                     | 8.30         | 32.37                       |
| Picket Size                      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | High                        |
| Flow Area Depth                  | (cm)           | n/a              | n/a            | n/a              | n/a            | n/a              | 30.0       | 30.0                      | n/a                  | 22.0       | 6.0                       | 30.0         | 24.0                        |
| Color Line Density               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | 3                           |
| Pw Mode                          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | PW                          |
| High PRF                         | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | OFF                         |
| Ref. Frequency (D)               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | Renso                       |
| Focus (D)                        | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | F1                          |
| Doppler Velocity Range           | (cm/s)         | n/a              | n/a            | n/a              | n/a            | n/a              | 137.03     | n/a                       | 6.23                 | 56.92      | n/a                       | 8.30         | 113.84                      |
| Sample gate size                 | (cm)           | n/a              | n/a            | n/a              | n/a            | n/a              | 0.1        | 0.1                       | 0.1                  | 0.1        | n/a                       | 0.1          | 0.1                         |
| Sample gate depth                | (cm)           | n/a              | n/a            | n/a              | n/a            | n/a              | 1.6        | 4.6                       | 1.4                  | 3.6        | n/a                       | 1.4          | 3.6                         |
| Triplex Frame Rate               | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | Medium                      |
| Triplex VEL Range                | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | BFix                        |
| Flow Area Lock                   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | OFF                         |
| z <sub>p</sub>                   | (mm)           | 31               | 28             | 31               | 30             | 46               | 46         | 46                        | 31                   | 46         | 18                        | 46           | 46                          |
| z <sub>0.5dB</sub>               | (mm)           | 1.6              | 1.9            | 1.6              | 1.6            | 1.8              | 1.9        | 1.9                       | 1.6                  | 1.9        | 1.9                       | 1.9          | 1.8                         |
| z <sub>1dB</sub>                 | (mm)           | 2.4              | 2.7            | 2.4              | 2.3            | 2.8              | 2.9        | 2.9                       | 2.4                  | 2.8        | 4.2                       | 2.9          | 2.8                         |
| z <sub>PRF</sub> (PRF)           | (Hz)           | n/a              | n/a            | 1002             | 651            | 22222            | 1302       | 8772                      | n/a                  | n/a        | n/a                       | n/a          | n/a                         |
| z <sub>PRF</sub> (SRF)           | (Hz)           | 41               | 165            | n/a              | n/a            | n/a              | n/a        | n/a                       | 3.4                  | 17         | 36                        | 1.5          | 5.2                         |
| z <sub>0.5dB</sub>               | (mm)           | 55               | 48             | n/a              | n/a            | n/a              | n/a        | n/a                       | 1.0                  | 1.0        | n/a                       | n/a          | n/a                         |
| z <sub>1dB</sub>                 | (mm)           | 9.3              | 9.3            | 9.3              | 13             | 13               | 13         | 13                        | 9.3                  | 13         | 6.6                       | 13           | 13                          |
| Output beam dimensions           | (mm)           | 7.3              | 7.3            | 7.3              | 7.3            | 7.3              | 7.3        | 7.3                       | 7.3                  | 7.3        | 7.3                       | 7.3          | 7.3                         |
| f <sub>0.5dB</sub>               | (MHz)          | 4.1              | 3.2            | 4.1              | 2.9            | 4.0              | 3.9        | 3.9                       | 4.1                  | 4.0        | 3.9                       | 3.9          | 4.0                         |
| Acoustic Power-up fraction       | (%)            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | n/a                         |
| Power-up mode                    | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | n/a                         |
| Acoustic Initialization fraction | (%)            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | n/a                         |
| Initialization mode              | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a                       | n/a                  | n/a        | n/a                       | n/a          | n/a                         |
| Acoustic output freeze           | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes        | Yes                       | Yes                  | Yes        | Yes                       | Yes          | Yes                         |
| z <sub>0.5dB</sub>               | (mm)           | 1.1              | 1.1            | 1.1              | 1.1            | 1.1              | 1.1        | 1.1                       | 1.1                  | 1.1        | 1.1                       | 1.1          | 1.1                         |
| z <sub>1dB</sub>                 | (mm)           | contact          | contact        | contact (B+M)    | contact        | contact          | contact    | contact                   | contact              | contact    | contact                   | contact      | contact                     |

|                        |     |
|------------------------|-----|
| Maximum velocity (m/s) | 2.4 |
| z <sub>0.5dB</sub>     | 9.3 |
| z <sub>1dB</sub>       | 13  |
| z <sub>PRF</sub>       | 41  |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model             |           | C35   | MODE       |               |            |               | B/M-Mode |  |
|------------------------------|-----------|-------|------------|---------------|------------|---------------|----------|--|
| Index Label                  |           | MT    | TTS        |               | TIB        |               | TTC      |  |
| Maximum Index Value          |           | 1.6   | at surface | below surface | at surface | below surface | 2.1      |  |
| Index Component Value        |           |       | 1.1        | 1.0           | 0.72       | 1.5           |          |  |
| Acoustic Parameters          | $P_{ave}$ | (MPa) |            |               |            |               |          |  |
|                              | $P_{rms}$ | (mW)  |            |               |            |               |          |  |
|                              | $P_{rms}$ | (mW)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Other Information            | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Operating Control Conditions | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
| Flow Mode                    | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms}$ | (cm)  |            |               |            |               |          |  |
|                              | $S_{rms$  |       |            |               |            |               |          |  |





ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model             |                        | C35                   | MODE   |            |               |      |            | BYPW-mode     |     |
|------------------------------|------------------------|-----------------------|--------|------------|---------------|------|------------|---------------|-----|
| Index Label                  |                        | MJ                    | TIS    | at surface | below surface | TIB  | at surface | below surface | TTC |
| Maximum Index Value          |                        | 1.6                   | 1.1    | 0.85       | 1.1           | 0.96 | 2.7        | 2.7           | 2.1 |
| Index Component Value        |                        |                       |        |            |               |      |            |               |     |
| Acoustic Parameters          | $P_{out}$              | (MPa)                 | 2.7    |            |               |      |            |               |     |
|                              | $P_{in}$               | (mW)                  | 121    |            |               |      | 107        |               | 117 |
|                              | $P_{out}$              | (mW)                  | 59     |            |               |      | 67         |               |     |
|                              | $z_s$                  | (cm)                  |        | 2.1        |               |      |            | 2.7           |     |
|                              | $z_a$                  | (cm)                  |        |            |               |      |            |               |     |
|                              | $z_{out}$              | (cm)                  | 2.5    |            |               |      |            |               |     |
| Other Information            | $f_{out}$              | (MHz)                 | B-2.9  |            |               |      |            |               |     |
|                              | $f_{out}$              | (Hz)                  | 677    |            |               |      |            |               |     |
|                              | $f_{out}$              | (Hz)                  | 2.8    |            |               |      |            |               |     |
|                              | $f_{out}$              | (W/cm²)               | 431    |            |               |      |            |               |     |
|                              | $f_{out}$              | (mW/cm²) or $z_{out}$ | 112    |            |               |      |            |               |     |
|                              | $f_{out}$              | (mW/cm²) or $z_{out}$ | 163    |            |               |      |            |               |     |
| Operating Control Conditions | $P_{in}$ at $f_{out}$  | (MPa)                 | 3.3    |            |               |      |            |               |     |
|                              | PW%                    | (%)                   | 100    |            |               |      |            |               |     |
|                              | Ts Mode                | BYPW                  | BYPW   |            |               |      |            |               |     |
|                              | Wave Mode              | THP (L)               | PND    |            |               |      |            |               |     |
|                              | Frequency (B)          | High                  | PND    |            |               |      |            |               |     |
|                              | Focus (B)              | F2                    | F1     |            |               |      |            |               |     |
|                              | Scan% (B)              | (%)                   | 100    |            |               |      |            |               |     |
|                              | Range                  | (cm)                  | 30.0   | 28.0       |               |      |            |               |     |
|                              | PRF Limit              | ON                    | OFF    |            |               |      |            |               |     |
|                              | Line Density           | Low                   | Medium |            |               |      |            |               |     |
|                              | Flow Mode              | n/a                   | n/a    |            |               |      |            |               |     |
|                              | Ref. Frequency (Color) | n/a                   | n/a    |            |               |      |            |               |     |
|                              | Focus (Color)          | n/a                   | n/a    |            |               |      |            |               |     |
|                              | Flow% (Color)          | n/a                   | n/a    |            |               |      |            |               |     |
|                              | Color Velocity Range   | (cm/s)                | n/a    | n/a        |               |      |            |               |     |
|                              | Flow Area Depth        | Packet Size           | (cm/s) | n/a        | n/a           |      |            |               |     |
| Flow Area Depth              |                        | (cm)                  | n/a    | n/a        |               |      |            |               |     |
| Color Line Density           |                        | n/a                   | n/a    |            |               |      |            |               |     |
| Pre Mode                     |                        | PW                    | PW     |            |               |      |            |               |     |
| High PRF                     |                        | OFF                   | OFF    |            |               |      |            |               |     |
| Ref. Frequency (D)           |                        | Pres                  | Pres   |            |               |      |            |               |     |
| Focus (D)                    |                        | F1                    | F4     |            |               |      |            |               |     |
| Drop Rate                    |                        | 6.23                  | 36.23  |            |               |      |            |               |     |
| Drop Rate                    |                        | 6.1                   | 6.1    |            |               |      |            |               |     |
| Sample gate size             |                        | (cm)                  | 0.1    | 0.1        |               |      |            |               |     |
| Sample gate size             |                        | (cm)                  | 1.4    | 9.6        |               |      |            |               |     |
| Triplex Frame Rate           |                        | n/a                   | n/a    |            |               |      |            |               |     |
| Triplex VIL Range            |                        | n/a                   | n/a    |            |               |      |            |               |     |
| Flow Area Lock               |                        | n/a                   | n/a    |            |               |      |            |               |     |

NOTE 1: Only one operating condition per Mode.

NOTE 2: Units should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Units should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 4: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

NOTE 5: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

NOTE 6: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

NOTE 7: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

NOTE 8: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

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NOTE 13: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

NOTE 14: If the equipment used is not a TRANSDUCER ASSEMBLY, it should be indicated for Transducer or associated capsule use.

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NOTE 27

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{p}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MJ               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model       | C35                          | MODE          |            |               |       |       | M+Color-mode |
|------------------------|------------------------------|---------------|------------|---------------|-------|-------|--------------|
| Index Label            | MJ                           | TIS           | at surface | below surface | TIB   | TTC   |              |
| Maximum Index Value    | 1.6                          | 0.84          | 1.1        | 0.83          | 2.8   | 2.1   |              |
| Index Component Value  |                              |               |            |               |       |       |              |
| Acoustic Parameters    | $P_{out}$                    | (MPa)         | 3.1        |               |       |       |              |
|                        | $P_{in}$                     | (mW)          | 120        |               | 50    | 117   |              |
|                        | $P_{out}$                    | (mW)          | 58         |               | 50    |       |              |
|                        | $z_s$                        | (cm)          |            | 2.1           |       |       |              |
|                        | $z_s$                        | (cm)          |            |               |       | 1.2   |              |
|                        | $z_{out}$                    | (cm)          | 2.8        |               |       |       |              |
|                        | $z_{out}$                    | (cm)          | 2.8        |               |       |       |              |
|                        | $f_{out}$                    | (MHz)         | 3.9        |               |       |       |              |
|                        | $f_{out}$                    | (Hz)          | 1302       |               |       |       |              |
|                        | $f_{out}$                    | (Hz)          | -          |               |       |       |              |
| Other Information      | $f_{out}$                    | (W/cm²)       | 708        |               |       |       |              |
|                        | $f_{out}$                    | (mW/cm²)      | 393        |               |       |       |              |
|                        | $f_{out}$                    | (mW/cm²)      | 841        |               |       |       |              |
|                        | $P_{in}$                     | (MPa)         | 4.5        |               |       |       |              |
|                        | $P_{in}$                     | (%)           | 100        |               |       |       |              |
|                        | $P_{in}$                     | (W/cm²)       | 100        |               |       |       |              |
|                        | Operating Control Conditions | Wave Mode     | MOTow      | MOTow         |       |       | MOTow        |
|                        |                              | Frequency (B) | n/a        | n/a           |       |       | n/a          |
|                        |                              | Focus (B)     | n/a        | n/a           |       |       | n/a          |
|                        |                              | Scan (B)      | n/a        | n/a           |       |       | n/a          |
| Range                  |                              | n/a           | n/a        |               |       | n/a   |              |
| Range                  |                              | 30.0          | 30.0       |               | 7.0   | 30.0  |              |
| PRF Limit              |                              | n/a           | n/a        |               |       | n/a   |              |
| Line Density           |                              | n/a           | n/a        |               |       | n/a   |              |
| Flow Mode              |                              | Flow          | Flow       |               | Flow  | Flow  |              |
| Ref. Frequency (Color) |                              | Pres          | Pres       |               | Pres  | Pres  |              |
| Focus (Color)          |                              | F2            | F6         |               | F1    | F5    |              |
| Flow% (Color)          |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| Color Velocity Range   |                              | 12.45         | 56.02      |               | 44.27 | 39.64 |              |
| Packet Size            |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| Flow Area Depth        |                              | 30.0          | 30.0       |               | 30.0  | 30.0  |              |
| Color Line Density     |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| Pre Mode               |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| High PRF               |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| Ref. Frequency (D)     |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| Focus (D)              |                              | n/a           | n/a        |               | n/a   | n/a   |              |
| Drop Rate              | n/a                          | n/a           |            | n/a           | n/a   |       |              |
| Drop Rate              | n/a                          | n/a           |            | n/a           | n/a   |       |              |
| Sample gate size       | n/a                          | n/a           |            | n/a           | n/a   |       |              |
| Sample gate size       | n/a                          | n/a           |            | n/a           | n/a   |       |              |
| Triplex Frame Rate     | n/a                          | n/a           |            | n/a           | n/a   |       |              |
| Triplex VIL Range      | n/a                          | n/a           |            | n/a           | n/a   |       |              |
| Flow Area Lock         | n/a                          | n/a           |            | n/a           | n/a   |       |              |

NOTE 1: Only use these values per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information (not) to be provided regarding TTC for any TRANSDUCER ASSEMBLY not provided for transducer or received acoustic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the following control section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{p}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MJ               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             |           | C35   |  | MODE       |  | B+Color-D-mode |  |     |  |
|------------------------------|-----------|-------|--|------------|--|----------------|--|-----|--|
| Index Label                  |           | MI    |  | TIS        |  | TIB            |  | TTC |  |
| Maximum Index Value          |           | 1.6   |  | at surface |  | below surface  |  | 2.1 |  |
| Index Component Value        |           | 0.85  |  | 1.1        |  | 0.95           |  | 2.7 |  |
| Acoustic Parameters          | $P_{ref}$ | (MPa) |  | 2.7        |  | 119            |  | 105 |  |
|                              | $P_{1st}$ | (mW)  |  | 58         |  | 66             |  | 117 |  |
|                              | $f_s$     | (cm)  |  | 2.1        |  | 2.7            |  |     |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Other Information            | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
| Operating Control Conditions | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  | 2.5 |  |
|                              | $f_{ref}$ | (cm)  |  | 2.5        |  | 2.5            |  |     |  |



| Acoustic power is controllable by the user. |  |      |      |   |         |     |    |    |    | Mode             |    | Parameter |     | Unit |     | Range |     | Default |     | Min |     | Max |     | Step |     | Resolution |     | Accuracy |     | Precision |     | Stability |     | Reliability |     | Safety |     | Compliance |     | Certification |     | Notes |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------------------------|--|------|------|---|---------|-----|----|----|----|------------------|----|-----------|-----|------|-----|-------|-----|---------|-----|-----|-----|-----|-----|------|-----|------------|-----|----------|-----|-----------|-----|-----------|-----|-------------|-----|--------|-----|------------|-----|---------------|-----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|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| Maximum power                               |  | (mW) | 11.2 | B | TX Mode | 123 | 45 | 64 | 73 | D <sub>max</sub> | 85 | 90        | 100 | 110  | 120 | 130   | 140 | 150     | 160 | 170 | 180 | 190 | 200 | 210  | 220 | 230        | 240 | 250      | 260 | 270       | 280 | 290       | 300 | 310         | 320 | 330    | 340 | 350        | 360 | 370           | 380 | 390   | 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 | 580 | 590 | 600 | 610 | 620 | 630 | 640 | 650 | 660 | 670 | 680 | 690 | 700 | 710 | 720 | 730 | 740 | 750 | 760 | 770 | 780 | 790 | 800 | 810 | 820 | 830 | 840 | 850 | 860 | 870 | 880 | 890 | 900 | 910 | 920 | 930 | 940 | 950 | 960 | 970 | 980 | 990 | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1110 | 1120 | 1130 | 1140 | 1150 | 1160 | 1170 | 1180 | 1190 | 1200 | 1210 | 1220 | 1230 | 1240 | 1250 | 1260 | 1270 | 1280 | 1290 | 1300 | 1310 | 1320 | 1330 | 1340 | 1350 | 1360 | 1370 | 1380 | 1390 | 1400 | 1410 | 1420 | 1430 | 1440 | 1450 | 1460 | 1470 | 1480 | 1490 | 1500 | 1510 | 1520 | 1530 | 1540 | 1550 | 1560 | 1570 | 1580 | 1590 | 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1660 | 1670 | 1680 | 1690 | 1700 | 1710 | 1720 | 1730 | 1740 | 1750 | 1760 | 1770 | 1780 | 1790 | 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2080 | 2090 | 2100 | 2110 | 2120 | 2130 | 2140 | 2150 | 2160 | 2170 | 2180 | 2190 | 2200 | 2210 | 2220 | 2230 | 2240 | 2250 | 2260 | 2270 | 2280 | 2290 | 2300 | 2310 | 2320 | 2330 | 2340 | 2350 | 2360 | 2370 | 2380 | 2390 | 2400 | 2410 | 2420 | 2430 | 2440 | 2450 | 2460 | 2470 | 2480 | 2490 | 2500 | 2510 | 2520 | 2530 | 2540 | 2550 | 2560 | 2570 | 2580 | 2590 | 2600 | 2610 | 2620 | 2630 | 2640 | 2650 | 2660 | 2670 | 2680 | 2690 | 2700 | 2710 | 2720 | 2730 | 2740 | 2750 | 2760 | 2770 | 2780 | 2790 | 2800 | 2810 | 2820 | 2830 | 2840 | 2850 | 2860 | 2870 | 2880 | 2890 | 2900 | 2910 | 2920 | 2930 | 2940 | 2950 | 2960 | 2970 | 2980 | 2990 | 3000 | 3010 | 3020 | 3030 | 3040 | 3050 | 3060 | 3070 | 3080 | 3090 | 3100 | 3110 | 3120 | 3130 | 3140 | 3150 | 3160 | 3170 | 3180 | 3190 | 3200 | 3210 | 3220 | 3230 | 3240 | 3250 | 3260 | 3270 | 3280 | 3290 | 3300 | 3310 | 3320 | 3330 | 3340 | 3350 | 3360 | 3370 | 3380 | 3390 | 3400 | 3410 | 3420 | 3430 | 3440 | 3450 | 3460 | 3470 | 3480 | 3490 | 3500 | 3510 | 3520 | 3530 | 3540 | 3550 | 3560 | 3570 | 3580 | 3590 | 3600 | 3610 | 3620 | 3630 | 3640 | 3650 | 3660 | 3670 | 3680 | 3690 | 3700 | 3710 | 3720 | 3730 | 3740 | 3750 | 3760 | 3770 | 3780 | 3790 | 3800 | 3810 | 3820 | 3830 | 3840 | 3850 | 3860 | 3870 | 3880 | 3890 | 3900 | 3910 | 3920 | 3930 | 3940 | 3950 | 3960 | 3970 | 3980 | 3990 | 4000 | 4010 | 4020 | 4030 | 4040 | 4050 | 4060 | 4070 | 4080 | 4090 | 4100 | 4110 | 4120 | 4130 | 4140 | 4150 | 4160 | 4170 | 4180 | 4190 | 4200 | 4210 | 4220 | 4230 | 4240 | 4250 | 4260 | 4270 | 4280 | 4290 | 4300 | 4310 | 4320 | 4330 | 4340 | 4350 | 4360 | 4370 | 4380 | 4390 | 4400 | 4410 | 4420 | 4430 | 4440 | 4450 | 4460 | 4470 | 4480 | 4490 | 4500 | 4510 | 4520 | 4530 | 4540 | 4550 | 4560 | 4570 | 4580 | 4590 | 4600 | 4610 | 4620 | 4630 | 4640 | 4650 | 4660 | 4670 | 4680 | 4690 | 4700 | 4710 | 4720 | 4730 | 4740 | 4750 | 4760 | 4770 | 4780 | 4790 | 4800 | 4810 | 4820 | 4830 | 4840 | 4850 | 4860 | 4870 | 4880 | 4890 | 4900 | 4910 | 4920 | 4930 | 4940 | 4950 | 4960 | 4970 | 4980 | 4990 | 5000 | 5010 | 5020 | 5030 | 5040 | 5050 | 5060 | 5070 | 5080 | 5090 | 5100 | 5110 | 5120 | 5130 | 5140 | 5150 | 5160 | 5170 | 5180 | 5190 | 5200 | 5210 | 5220 | 5230 | 5240 | 5250 | 5260 | 5270 | 5280 | 5290 | 5300 | 5310 | 5320 | 5330 | 5340 | 5350 | 5360 | 5370 | 5380 | 5390 | 5400 | 5410 | 5420 | 5430 | 5440 | 5450 | 5460 | 5470 | 5480 | 5490 | 5500 | 5510 | 5520 | 5530 | 5540 | 5550 | 5560 | 5570 | 5580 | 5590 | 5600 | 5610 | 5620 | 5630 | 5640 | 5650 | 5660 | 5670 | 5680 | 5690 | 5700 | 5710 | 5720 | 5730 | 5740 | 5750 | 5760 | 5770 | 5780 | 5790 | 5800 | 5810 | 5820 | 5830 | 5840 | 5850 | 5860 | 5870 | 5880 | 5890 | 5900 | 5910 | 5920 | 5930 | 5940 | 5950 | 5960 | 5970 | 5980 | 5990 | 6000 | 6010 | 6020 | 6030 | 6040 | 6050 | 6060 | 6070 | 6080 | 6090 | 6100 | 6110 | 6120 | 6130 | 6140 | 6150 | 6160 | 6170 | 6180 | 6190 | 6200 | 6210 | 6220 | 6230 | 6240 | 6250 | 6260 | 6270 | 6280 | 6290 | 6300 | 6310 | 6320 | 6330 | 6340 | 6350 | 6360 | 6370 | 6380 | 6390 | 6400 | 6410 | 6420 | 6430 | 6440 | 6450 | 6460 | 6470 | 6480 | 6490 | 6500 | 6510 | 6520 | 6530 | 6540 | 6550 | 6560 | 6570 | 6580 | 6590 | 6600 | 6610 | 6620 | 6630 | 6640 | 6650 | 6660 | 6670 | 6680 | 6690 | 6700 | 6710 | 6720 | 6730 | 6740 | 6750 | 6760 | 6770 | 6780 | 6790 | 6800 | 6810 | 6820 | 6830 | 6840 | 6850 | 6860 | 6870 | 6880 | 6890 | 6900 | 6910 | 6920 | 6930 | 6940 | 6950 | 6960 | 6970 | 6980 | 6990 | 7000 | 7010 | 7020 | 7030 | 7040 | 7050 | 7060 | 7070 | 7080 | 7090 | 7100 | 7110 | 7120 | 7130 | 7140 | 7150 | 7160 | 7170 | 7180 | 7190 | 7200 | 7210 | 7220 | 7230 | 7240 | 7250 | 7260 | 7270 | 7280 | 7290 | 7300 | 7310 | 7320 | 7330 | 7340 | 7350 | 7360 | 7370 | 7380 | 7390 | 7400 | 7410 | 7420 | 7430 | 7440 | 7450 | 7460 | 7470 | 7480 | 7490 | 7500 | 7510 | 7520 | 7530 | 7540 | 7550 | 7560 | 7570 | 7580 | 7590 | 7600 | 7610 | 7620 | 7630 | 7640 | 7650 | 7660 | 7670 | 7680 | 7690 | 7700 | 7710 | 7720 | 7730 | 7740 | 7750 | 7760 | 7770 | 7780 | 7790 | 7800 | 7810 | 7820 | 7830 | 7840 | 7850 | 7860 | 7870 | 7880 | 7890 | 7900 | 7910 | 7920 | 7930 | 7940 | 7950 | 7960 | 7970 | 7980 | 7990 | 8000 | 8010 | 8020 | 8030 | 8040 | 8050 | 8060 | 8070 | 8080 | 8090 | 8100 | 8110 | 8120 | 8130 | 8140 | 8150 | 8160 | 8170 | 8180 | 8190 | 8200 | 8210 | 8220 | 8230 | 8240 | 8250 | 8260 | 8270 | 8280 | 8290 | 8300 | 8310 | 8320 | 8330 | 8340 | 8350 | 8360 | 8370 | 8380 | 8390 | 8400 | 8410 | 8420 | 8430 | 8440 | 8450 | 8460 | 8470 | 8480 | 8490 | 8500 | 8510 | 8520 | 8530 | 8540 | 8550 | 8560 | 8570 | 8580 | 8590 | 8600 | 8610 | 8620 | 8630 | 8640 | 8650 | 8660 | 8670 | 8680 | 8690 | 8700 | 8710 | 8720 | 8730 | 8740 | 8750 | 8760 | 8770 | 8780 | 8790 | 8800 | 8810 | 8820 | 8830 | 8840 | 8850 | 8860 | 8870 | 8880 | 8890 | 8900 | 8910 | 8920 | 8930 | 8940 | 8950 | 8960 | 8970 | 8980 | 8990 | 9000 | 9010 | 9020 | 9030 | 9040 | 9050 | 9060 | 9070 | 9080 | 9090 | 9100 | 9110 | 9120 | 9130 | 9140 | 9150 | 9160 | 9170 | 9180 | 9190 | 9200 | 9210 | 9220 | 9230 | 9240 | 9250 | 9260 | 9270 | 9280 | 9290 | 9300 | 9310 | 9320 | 9330 | 9340 | 9350 | 9360 | 9370 | 9380 | 9390 | 9400 | 9410 | 9420 | 9430 | 9440 | 9450 | 9460 | 9470 | 9480 | 9490 | 9500 | 9510 | 9520 | 9530 | 9540 | 9550 | 9560 | 9570 | 9580 | 9590 | 9600 | 9610 | 9620 | 9630 | 9640 | 9650 | 9660 | 9670 | 9680 | 9690 | 9700 | 9710 | 9720 | 9730 | 9740 | 9750 | 9760 | 9770 | 9780 | 9790 | 9800 | 9810 | 9820 | 9830 | 9840 | 9850 | 9860 | 9870 | 9880 | 9890 | 9900 | 9910 | 9920 | 9930 | 9940 | 9950 | 9960 | 9970 | 9980 | 9990 | 10000 | 10010 | 10020 | 10030 | 10040 | 10050 | 10060 | 10070 | 10080 | 10090 | 10100 | 10110 | 10120 | 10130 | 10140 | 10150 | 10160 | 10170 | 10180 | 10190 | 10200 | 10210 | 10220 | 10230 | 10240 | 10250 | 10260 | 10270 | 10280 | 10290 | 10300 | 10310 | 10320 | 10330 | 10340 | 10350 | 10360 | 10370 | 10380 | 10390 | 10400 | 10410 | 10420 | 10430 | 10440 | 10450 | 10460 | 10470 | 10480 | 10490 | 10500 | 10510 | 10520 | 10530 | 10540 | 10550 | 10560 | 10570 | 10580 | 10590 | 10600 | 10610 | 10620 | 10630 | 10640 | 10650 | 10660 | 10670 | 10680 | 10690 | 10700 | 10710 | 10720 | 10730 | 10740 | 10750 | 10760 | 10770 | 10780 | 10790 | 10800 | 10810 | 10820 | 10830 | 10840 | 10850 | 10860 | 10870 | 10880 | 10890 | 10900 | 10910 | 10920 | 10930 | 10940 | 10950 | 10960 | 10970 | 10980 | 10990 | 11000 | 11010 | 11020 | 11030 | 11040 | 11050 | 11060 | 11070 | 11080 | 11090 | 11100 | 11110 | 11120 | 11130 | 11140 | 11150 | 11160 | 11170 | 11180 | 11190 | 11200 | 11210 | 11220 | 11230 | 11240 | 11250 | 11260 | 11270 | 11280 | 11290 | 11300 | 11310 | 11320 | 11330 | 11340 | 11350 | 11360 | 11370 | 11380 | 11390 | 11400 | 11410 | 11420 | 11430 | 11440 | 11450 | 11460 | 11470 | 11480 | 11490 | 11500 | 11510 | 11520 | 11530 | 11540 | 11550 | 11560 | 11570 | 11580 | 11590 | 11600 | 11610 | 11620 | 11630 | 11640 | 11650 | 11660 | 11670 | 11680 | 11690 | 11700 | 11710 | 11720 | 11730 | 11740 | 11750 | 11760 | 11770 | 11780 | 11790 | 11800 | 11810 | 11820 | 11830 | 11840 | 11850 | 11860 | 11870 | 11880 | 11890 | 11900 | 11910 | 11920 | 11930 | 11940 | 11950 | 11960 | 11970 | 11980 | 11990 | 12000 | 12010 | 12020 | 12030 | 12040 | 12050 | 12060 | 12070 | 12080 | 12090 | 12100 | 12110 | 12120 | 12130 | 12140 | 12150 | 12160 | 12170 | 12180 | 12190 | 12200 | 12210 | 12220 | 12230 | 12240 | 12250 | 12260 | 12270 | 12280 | 12290 | 12300 | 12310 | 12320 | 12330 | 12340 | 12350 | 12360 | 12370 | 12380 | 12390 | 12400 | 12410 | 12420 | 12430 | 12440 | 12450 | 12460 | 12470 | 12480 | 12490 | 12500 | 12510 | 12520 | 12530 | 12540 | 12550 | 12560 | 12570 | 12580 | 12590 | 12600 | 12610 | 12620 | 12630 | 12640 | 12650 | 12660 | 12670 | 12680 | 12690 | 12700 | 12710 | 12720 | 12730 | 12740 | 12750 | 12760 | 12770 | 12780 | 12790 | 12800 | 12810 | 12820 | 12830 | 12840 | 12850 | 12860 | 12870 | 12880 | 12890 | 12900 | 12910 | 12920 | 12930 | 12940 | 12950 | 12960 | 12970 | 12980 | 12990 | 13000 | 13010 | 13020 | 13030 | 13040 | 13050 | 13060 | 13070 | 13080 | 13090 | 13100 | 13110 | 13120 | 13130 | 13140 | 13150 | 13160 | 13170 | 13180 | 13190 | 13200 | 13210 | 13220 | 13230 | 13240 | 13250 | 13260 | 13270 | 13280 |

|                      |        |
|----------------------|--------|
| <i>P</i>             | 25.00% |
| <i>I<sub>M</sub></i> | 37.14% |
|                      | 0.00%  |







Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                                                                                                                       | C22P                               | MODE                  |               |            |               |              | B/PWD-mode |               |      |              |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------|---------------|------------|---------------|--------------|------------|---------------|------|--------------|--|
| Index Label                                                                                                                                                            |                                    | TIS                   |               | TIB        |               |              | TTC        |               |      |              |  |
| Maximum Index Value                                                                                                                                                    |                                    | at surface            | below surface | at surface | below surface |              | at surface | below surface |      |              |  |
| Index Component Value                                                                                                                                                  |                                    | 1.0                   | 0.90          | 1.0        | 0.87          | 3.8          | 2.5        | 3.8           |      |              |  |
| Acoustic Parameters                                                                                                                                                    | $P_{avg}$                          | (MPa)                 | 2.4           |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $P_{rms}$                          | (mW)                  | 136           |            |               | 135          | 86         |               |      |              |  |
|                                                                                                                                                                        | $P_{10}$                           | (mW)                  | 89            |            |               | 86           |            |               |      |              |  |
|                                                                                                                                                                        | $z_a$                              | (cm)                  |               | 2.1        |               |              | 4.2        |               |      |              |  |
|                                                                                                                                                                        | $z_{avg}$                          | (cm)                  |               |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $z_{rms}$                          | (cm)                  | 3.3           |            |               |              |            |               |      |              |  |
| Other Information                                                                                                                                                      | $f_{avg}$                          | (MHz)                 | B:2.29        |            |               | B:2.4, D:2.1 |            |               |      | B:1.9, D:2.5 |  |
|                                                                                                                                                                        | $f_{rms}$                          | (Hz)                  | 12514         |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $f_{10}$                           | (Hz)                  | 13            |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $n_{avg}$                          |                       | 2.0           |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $f_{avg}$ at $z_{avg}$             | (W/cm <sup>2</sup> )  | 317           |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $f_{rms}$ at $z_{rms}$ or $z_{10}$ | (mW/cm <sup>2</sup> ) | 254           |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $f_{avg}$ at $z_{avg}$ or $z_{10}$ | (mW/cm <sup>2</sup> ) | 711           |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | $P_r$ at $z_{avg}$                 | (MPa)                 | 3.0           |            |               |              |            |               |      |              |  |
|                                                                                                                                                                        | Operating Control Conditions       | PWEN                  | (%)           | 100        | 100           |              | 100        | 100           |      | 100          |  |
|                                                                                                                                                                        |                                    | Tx Mode               |               | BPW        | BPW           |              | BPW        | BPW           |      | BPW          |  |
| Wave Mode                                                                                                                                                              |                                    |                       | TH(P.L)       | FND        |               | FND          | TH(Pen)    |               |      |              |  |
| Frequency (B)                                                                                                                                                          |                                    |                       | Reso          | Std        |               | Std          | Reso       |               |      |              |  |
| Focus (B)                                                                                                                                                              |                                    |                       | F2            | F1         |               | F5           | F4         |               |      |              |  |
| Scan (B)                                                                                                                                                               |                                    | (%)                   | 25            | 25         |               | 25           | 25         |               | 25   |              |  |
| Range                                                                                                                                                                  |                                    | (cm)                  | 15.0          | 21.0       |               | 21.0         | 12.0       |               | 12.0 |              |  |
| PRF Limit                                                                                                                                                              |                                    |                       | OFF           | OFF        |               | OFF          | OFF        |               | OFF  |              |  |
| Line Density                                                                                                                                                           |                                    |                       | High          | High       |               | Low          | Medium     |               |      |              |  |
| Flow Mode                                                                                                                                                              |                                    |                       | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Ref. Frequency (Color)                                                                                                                                                 |                                    |                       | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Focus (Color)                                                                                                                                                          |                                    |                       | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Flow% (Color)                                                                                                                                                          |                                    | (%)                   | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Color Velocity Range                                                                                                                                                   |                                    | (cm/s)                | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Packet Size                                                                                                                                                            |                                    |                       | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Flow Area Depth                                                                                                                                                        |                                    | (cm)                  | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Color Line Density                                                                                                                                                     |                                    |                       | n/a           | n/a        |               | n/a          | n/a        |               | n/a  |              |  |
| Pw Mode                                                                                                                                                                |                                    |                       | PW            | PW         |               | PW           | PW         |               | PW   |              |  |
| High PRF                                                                                                                                                               |                                    | OFF                   | OFF           |            | OFF           | OFF          |            | OFF           |      |              |  |
| Ref. Frequency (D)                                                                                                                                                     |                                    | Std                   | Preset        |            | Preset        | Std          |            |               |      |              |  |
| Focus (D)                                                                                                                                                              |                                    | F7                    | F5            |            | F5            | F1           |            |               |      |              |  |
| Doppler Velocity Range                                                                                                                                                 | (cm/s)                             | 245.19                | 61.30         |            | 28.46         | 144.89       |            |               |      |              |  |
| Sample gate size                                                                                                                                                       | (cm)                               | 0.1                   | 0.1           |            | 0.1           | 0.1          |            |               |      |              |  |
| Sample gate depth                                                                                                                                                      | (cm)                               | 11.4                  | 7.4           |            | 7.4           | 0.0          |            |               |      |              |  |
| Triplex Frame Rate                                                                                                                                                     |                                    | n/a                   | n/a           |            | n/a           | n/a          |            | n/a           |      |              |  |
| Triplex VFL Range                                                                                                                                                      |                                    | n/a                   | n/a           |            | n/a           | n/a          |            | n/a           |      |              |  |
| Flow Area Lock                                                                                                                                                         |                                    | n/a                   | n/a           |            | n/a           | n/a          |            | n/a           |      |              |  |
| NOTE 1 Only one operating condition per index.                                                                                                                         |                                    |                       |               |            |               |              |            |               |      |              |  |
| NOTE 2 Index should be entered for all surface and below surface tests in the column related to TIS or TIB.                                                            |                                    |                       |               |            |               |              |            |               |      |              |  |
| NOTE 3 Index should be entered for all surface and below surface tests in the column related to TIS or TIB.                                                            |                                    |                       |               |            |               |              |            |               |      |              |  |
| NOTE 4 If the measurement of 201.12 (1.26) cm are not required to enter any data in the columns related to TIS, TIB or TTC.                                            |                                    |                       |               |            |               |              |            |               |      |              |  |
| NOTE 5 If the measurement of 201.12 (1.26) cm are not required to enter any data in the column related to TIB.                                                         |                                    |                       |               |            |               |              |            |               |      |              |  |
| NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section. |                                    |                       |               |            |               |              |            |               |      |              |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to M.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_a$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M                | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                                                                                                                        | C22P                  | MODE       |               |            |               |        | M+Color-mode |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|---------------|------------|---------------|--------|--------------|--|--|--|--|
| Index Label                                                                                                                                                             | MT                    | TIS        |               | TIB        |               | TTC    |              |  |  |  |  |
| Maximum Index Value                                                                                                                                                     | 1.6                   | at surface | below surface | at surface | below surface | 2.8    |              |  |  |  |  |
| Index Component Value                                                                                                                                                   |                       | 1.0        | 0.85          | 3.8        | 3.8           |        |              |  |  |  |  |
|                                                                                                                                                                         |                       | 0.89       | 1.0           | 0.85       | 3.8           |        |              |  |  |  |  |
| $P_{avg}$                                                                                                                                                               | (MPa)                 | 2.5        |               |            |               |        |              |  |  |  |  |
| $P_{rms}$                                                                                                                                                               | (mW)                  | 140        |               |            |               |        |              |  |  |  |  |
| $P_{10}$                                                                                                                                                                | (mW)                  | 89         |               |            |               |        |              |  |  |  |  |
| $z_a$                                                                                                                                                                   | (cm)                  |            | 2.1           |            |               |        |              |  |  |  |  |
| $z_{avg}$                                                                                                                                                               | (cm)                  | 4.7        |               |            | 4.2           |        |              |  |  |  |  |
| $z_{rms}$                                                                                                                                                               | (cm)                  | 4.7        |               |            |               |        |              |  |  |  |  |
| $f_{avg}$                                                                                                                                                               | (MHz)                 | 2.4        |               |            |               | 2.1    |              |  |  |  |  |
| $f_{rms}$                                                                                                                                                               | (Hz)                  | 1085       |               |            |               |        |              |  |  |  |  |
| $f_{10}$                                                                                                                                                                | (Hz)                  | -          |               |            |               |        |              |  |  |  |  |
| $n_{avg}$                                                                                                                                                               | -                     | -          |               |            |               |        |              |  |  |  |  |
| $f_{avg}$ at $z_{avg}$                                                                                                                                                  | (W/cm <sup>2</sup> )  | 590        |               |            |               |        |              |  |  |  |  |
| $f_{rms}$ at $z_{rms}$ or $z_{10}$                                                                                                                                      | (mW/cm <sup>2</sup> ) | 390        |               |            |               |        |              |  |  |  |  |
| $f_{avg}$ at $z_{avg}$ or $z_{10}$                                                                                                                                      | (mW/cm <sup>2</sup> ) | 844        |               |            |               |        |              |  |  |  |  |
| $P_r$ at $z_{avg}$                                                                                                                                                      | (MPa)                 | 3.5        |               |            |               |        |              |  |  |  |  |
| PWR%                                                                                                                                                                    | (%)                   | 100        |               |            |               | 100    |              |  |  |  |  |
| Tx Mode                                                                                                                                                                 | M/Tow                 | M/Tow      |               |            |               | M/Tow  |              |  |  |  |  |
| Wave Mode                                                                                                                                                               | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Frequency (B)                                                                                                                                                           | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Focus (B)                                                                                                                                                               | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Scan (B)                                                                                                                                                                | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Range                                                                                                                                                                   | (cm)                  | 40.0       |               |            |               | 40.0   |              |  |  |  |  |
| PRF Limit                                                                                                                                                               | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Line Density                                                                                                                                                            | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Flow Mode                                                                                                                                                               | Flow                  | Flow       |               |            |               | Flow   |              |  |  |  |  |
| Ref. Frequency (Color)                                                                                                                                                  | Std                   | Preset     |               |            |               | Preset |              |  |  |  |  |
| Focus (Color)                                                                                                                                                           | F4                    | F6         |               |            |               | F5     |              |  |  |  |  |
| Flow% (Color)                                                                                                                                                           | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Color Velocity Range                                                                                                                                                    | (cm/s)                | 53.13      |               |            |               | 24.90  |              |  |  |  |  |
| Packet Size                                                                                                                                                             | n/a                   | n/a        |               |            |               | 39.84  |              |  |  |  |  |
| Flow Area Depth                                                                                                                                                         | (cm)                  | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Color Line Density                                                                                                                                                      | n/a                   | 40.0       |               |            |               | 40.0   |              |  |  |  |  |
| Pw Mode                                                                                                                                                                 | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| High PRF                                                                                                                                                                | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Ref. Frequency (D)                                                                                                                                                      | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Focus (D)                                                                                                                                                               | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Doppler Velocity Range                                                                                                                                                  | (cm/s)                | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Sample gate size                                                                                                                                                        | (cm)                  | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Sample gate depth                                                                                                                                                       | (cm)                  | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Triplex Frame Rate                                                                                                                                                      | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Triplex VFL Range                                                                                                                                                       | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| Flow Area Lock                                                                                                                                                          | n/a                   | n/a        |               |            |               | n/a    |              |  |  |  |  |
| NOTE 1: Only one operating condition per index.                                                                                                                         |                       |            |               |            |               |        |              |  |  |  |  |
| NOTE 2: Data should be entered for at surface and below surface both in the column related to TIS or TIB.                                                               |                       |            |               |            |               |        |              |  |  |  |  |
| NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial Doppler uses.                            |                       |            |               |            |               |        |              |  |  |  |  |
| NOTE 4: If the requirements of 201-12.4.26) are met, it is not required to enter any data in the column related to TIS, TIB or TTC.                                     |                       |            |               |            |               |        |              |  |  |  |  |
| NOTE 5: If the requirements of 201-12.4.26) are met, it is not required to enter any data in the column related to MT.                                                  |                       |            |               |            |               |        |              |  |  |  |  |
| NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating condition section. |                       |            |               |            |               |        |              |  |  |  |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to M.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_a$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M                | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model       | C22P     |  |  |  | MODE            |  |  |  | B+Color/D-mode  |  |  |  |
|------------------------|----------|--|--|--|-----------------|--|--|--|-----------------|--|--|--|
|                        | C22P     |  |  |  | MODE            |  |  |  | B+Color/D-mode  |  |  |  |
| Index Label            | MT       |  |  |  | TTS             |  |  |  | TIB             |  |  |  |
| Maximum Index Value    | 1.6      |  |  |  | 1.0             |  |  |  | 3.8             |  |  |  |
| Index Component Value  | 0.89     |  |  |  | 1.0             |  |  |  | 0.88            |  |  |  |
| Acoustic Parameters    | 2.4      |  |  |  | 140             |  |  |  | 134             |  |  |  |
|                        | (MPa)    |  |  |  | (mW)            |  |  |  | (mW)            |  |  |  |
|                        | 90       |  |  |  | 2.1             |  |  |  | 4.2             |  |  |  |
|                        | 3.3      |  |  |  | 3.3             |  |  |  | 3.3             |  |  |  |
|                        | 3.3      |  |  |  | 3.3             |  |  |  | 3.3             |  |  |  |
| Other Information      | B-2.9    |  |  |  | B-2.5,C2.1,D2.1 |  |  |  | B-2.5,C2.1,D2.1 |  |  |  |
|                        | 673      |  |  |  | 673             |  |  |  | 673             |  |  |  |
|                        | 1.5      |  |  |  | 1.5             |  |  |  | 1.5             |  |  |  |
|                        | 317      |  |  |  | 317             |  |  |  | 317             |  |  |  |
|                        | 151      |  |  |  | 151             |  |  |  | 151             |  |  |  |
| Operating Conditions   | 162      |  |  |  | 162             |  |  |  | 162             |  |  |  |
|                        | 3.0      |  |  |  | 3.0             |  |  |  | 3.0             |  |  |  |
|                        | 100      |  |  |  | 100             |  |  |  | 100             |  |  |  |
|                        | B+FlowPw |  |  |  | B+FlowPw        |  |  |  | B+FlowPw        |  |  |  |
|                        | THUP.L   |  |  |  | THUP.L          |  |  |  | THUP.L          |  |  |  |
| Wave Mode              | FND      |  |  |  | FND             |  |  |  | FND             |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | 25       |  |  |  | 25              |  |  |  | 25              |  |  |  |
|                        | 21.0     |  |  |  | 21.0            |  |  |  | 21.0            |  |  |  |
| Range                  | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | Low      |  |  |  | Low             |  |  |  | Low             |  |  |  |
|                        | eFlow    |  |  |  | eFlow           |  |  |  | eFlow           |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
| Ref. Frequency (Color) | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |
|                        | F3       |  |  |  | F3              |  |  |  | F3              |  |  |  |
|                        | F4       |  |  |  | F4              |  |  |  | F4              |  |  |  |
|                        | F5       |  |  |  | F5              |  |  |  | F5              |  |  |  |
| Color Velocity Range   | 8.30     |  |  |  | 8.30            |  |  |  | 8.30            |  |  |  |
|                        | Low      |  |  |  | Low             |  |  |  | Low             |  |  |  |
|                        | 20.0     |  |  |  | 20.0            |  |  |  | 20.0            |  |  |  |
|                        | 1        |  |  |  | 1               |  |  |  | 1               |  |  |  |
|                        | PW       |  |  |  | PW              |  |  |  | PW              |  |  |  |
| Pw Mode                | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |
| Display Velocity Range | 8.30     |  |  |  | 8.30            |  |  |  | 8.30            |  |  |  |
|                        | Low      |  |  |  | Low             |  |  |  | Low             |  |  |  |
|                        | 20.0     |  |  |  | 20.0            |  |  |  | 20.0            |  |  |  |
|                        | 1        |  |  |  | 1               |  |  |  | 1               |  |  |  |
|                        | PW       |  |  |  | PW              |  |  |  | PW              |  |  |  |
| High PRF               | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |
| Focus (D)              | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |
|                        | F3       |  |  |  | F3              |  |  |  | F3              |  |  |  |
|                        | F4       |  |  |  | F4              |  |  |  | F4              |  |  |  |
|                        | F5       |  |  |  | F5              |  |  |  | F5              |  |  |  |
| Sample gate size       | 8.30     |  |  |  | 8.30            |  |  |  | 8.30            |  |  |  |
|                        | Low      |  |  |  | Low             |  |  |  | Low             |  |  |  |
|                        | 20.0     |  |  |  | 20.0            |  |  |  | 20.0            |  |  |  |
|                        | 1        |  |  |  | 1               |  |  |  | 1               |  |  |  |
|                        | PW       |  |  |  | PW              |  |  |  | PW              |  |  |  |
| Sample gate length     | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |
| Triplets Frame Rate    | 8.30     |  |  |  | 8.30            |  |  |  | 8.30            |  |  |  |
|                        | Low      |  |  |  | Low             |  |  |  | Low             |  |  |  |
|                        | 20.0     |  |  |  | 20.0            |  |  |  | 20.0            |  |  |  |
|                        | 1        |  |  |  | 1               |  |  |  | 1               |  |  |  |
|                        | PW       |  |  |  | PW              |  |  |  | PW              |  |  |  |
| Triplets VFL Range     | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |
| Flow Area Lock         | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | OFF      |  |  |  | OFF             |  |  |  | OFF             |  |  |  |
|                        | Snd      |  |  |  | Snd             |  |  |  | Snd             |  |  |  |
|                        | F1       |  |  |  | F1              |  |  |  | F1              |  |  |  |
|                        | F2       |  |  |  | F2              |  |  |  | F2              |  |  |  |

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TIB, TTS or TIC.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TIB.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

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Convex

Acoustic power is controllable by the user.

| parameter                        | Mode     | B <sub>0</sub> | B <sub>10</sub> | M <sub>0</sub> | M <sub>10</sub> | D <sub>0</sub> | D <sub>10</sub> | (M+Color)typ | (M+Color)lapra | (B+D) <sub>0</sub> | (B+D) <sub>10</sub> | (B+Color)typ | (B+Color)lapra | (B+Color+D) <sub>0</sub> | (B+Color+D) <sub>10</sub> |
|----------------------------------|----------|----------------|-----------------|----------------|-----------------|----------------|-----------------|--------------|----------------|--------------------|---------------------|--------------|----------------|--------------------------|---------------------------|
| Maximum power                    |          |                |                 |                |                 |                |                 |              |                |                    |                     |              |                |                          |                           |
| P <sub>0</sub>                   | (mW)     | 11             | 29              | 7.2            | 8.5             | 7.8            | 24              | 12           | 25             | 4.1                | 27                  | 5.8          | 29             | 2.1                      | 27                        |
| P <sub>10</sub>                  | (mW)     | 4.1            | 3.2             | 3.8            | 4.1             | 1.7            | 2.6             | 2.3          | 4.1            | 2.5                | 4.1                 | 2.1          | 4.1            | 1.5                      | 80                        |
| I <sub>0</sub>                   | (mW/cm²) | 21             | 74              | 16             | 16              | 71             | 1122            | 461          | 1145           | 37                 | 1120                | 2.4          | 103            | 40                       | 1113                      |
| I <sub>10</sub>                  | (mW/cm²) | 5.7            | 60              | 447            | 465             | 316            |                 |              |                |                    |                     |              |                |                          |                           |
| PWR%                             | (%)      | 100            | 100             | 100            | 100             | 100            | Pw              | MFlow        | MFlow          | 100                | 100                 | 100          | 100            | 100                      | 100                       |
| Wave Mode                        |          |                |                 |                |                 |                |                 |              |                |                    |                     |              |                |                          |                           |
| Frequency (B)                    | THRP(L)  | High           | THRP(L)         | THRP(L)        | THRP(L)         |                |                 |              |                |                    |                     |              |                |                          |                           |
| Focus (B)                        | F4       | F4             | F4              | F4             | F4              |                |                 |              |                |                    |                     |              |                |                          |                           |
| Scan's (B)                       | 25       | 25             | 25              | 25             | 25              |                |                 |              |                |                    |                     |              |                |                          |                           |
| Range                            | (cm)     | 100            | 21.0            | 21.0           | 21.0            |                |                 |              |                |                    |                     |              |                |                          |                           |
| PRF Limit                        | ON       | OFF            | High            | High           | High            |                |                 |              |                |                    |                     |              |                |                          |                           |
| Line Density                     | Low      | Low            | Low             | Low            | Low             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Flow Mode                        |          |                |                 |                |                 |                |                 |              |                |                    |                     |              |                |                          |                           |
| Ref. Frequency (Color)           | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Focus (Color)                    | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Flow's (Color)                   | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Color Velocity Range             | (cm/s)   | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Prudent Scan                     | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Flow Area Depth                  | (cm)     | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Color Line Density               | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Pw Mode                          | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| High PRF                         | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Ref. Frequency (D)               | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Focus (D)                        | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Sample gate size                 | (cm)     | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Sample gate depth                | (cm)     | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Triplex Frame Rate               | (cm)     | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Triplex VEL Range                | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| Flow Area Lock                   | n/a      | n/a            | n/a             | n/a            | n/a             |                |                 |              |                |                    |                     |              |                |                          |                           |
| z <sub>p</sub>                   | (mm)     | 28             | 21              | 28             | 26              | 29             | 23              | 29           | 23             | 28                 | 23                  | 28           | 23             | 28                       | 23                        |
| w <sub>rad</sub>                 | (°)      | 1.3            | 1.5             | 1.3            | 1.4             | 2.0            | 1.8             | 2.0          | 1.9            | 1.3                | 1.8                 | 1.3          | 1.8            | 1.3                      | 1.8                       |
| z <sub>prf</sub>                 | (L)      | 1.4            | 1.9             | 1.4            | 1.6             | 1.7            | 1.7             | 1.8          | 1.7            | 1.4                | 1.7                 | 1.4          | 1.7            | 1.4                      | 1.7                       |
| prf (PRF)                        | (Hz)     | n/a            | n/a             | 2006           | 2003            | 814            | 8681            | 1628         | 9470           | n/a                | n/a                 | n/a          | n/a            | n/a                      | n/a                       |
| arr (SRF)                        | (Hz)     | 20             | 119             | n/a            | n/a             | n/a            | n/a             | n/a          | n/a            | 4.6                | 25                  | 7.0          | 29             | 0.45                     | 11                        |
| n <sub>prf</sub>                 |          | 2.0            | 2.0             | n/a            | n/a             | n/a            | n/a             | n/a          | n/a            | 2.0                | 2.0                 | n/a          | n/a            | n/a                      | n/a                       |
| n <sub>arr</sub>                 |          | 77             | 39              | n/a            | n/a             | n/a            | n/a             | n/a          | n/a            | 77                 | 29                  | n/a          | n/a            | n/a                      | n/a                       |
| Output beam dimension            | (°)      | 6.1            | 6.1             | 8.1            | 8.1             | 7.7            | 5.3             | 7.7          | 5.3            | 8.1                | 5.3                 | 8.1          | 5.3            | 8.1                      | 5.3                       |
| f <sub>arr</sub>                 | (MHz)    | 6.5            | 6.5             | 6.5            | 6.5             | 6.5            | 6.5             | 6.5          | 6.5            | 6.5                | 6.5                 | 6.5          | 6.5            | 6.5                      | 6.5                       |
| Acoustic Power-up fraction       | (%)      | 6.0            | 5.2             | 6.0            | 5.2             | 5.0            | 5.0             | 5.0          | 5.1            | 6.0                | 5.0                 | 6.0          | 5.0            | 6.0                      | 5.0                       |
| Power-up mode                    | n/a      | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a          | n/a            | n/a                | n/a                 | n/a          | n/a            | n/a                      | n/a                       |
| Acoustic initialization fraction | (%)      | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a          | n/a            | n/a                | n/a                 | n/a          | n/a            | n/a                      | n/a                       |
| Initialization mode              | n/a      | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a          | n/a            | n/a                | n/a                 | n/a          | n/a            | n/a                      | n/a                       |
| Acoustic output freeze           | Yes      | Yes            | Yes             | Yes            | Yes             | Yes            | Yes             | Yes          | Yes            | Yes                | Yes                 | Yes          | Yes            | Yes                      | Yes                       |
| z <sub>n</sub>                   | (mm)     | 1.2            | 1.2             | 1.2            | 1.2             | 1.2            | 1.2             | 1.2          | 1.2            | 1.2                | 1.2                 | 1.2          | 1.2            | 1.2                      | 1.2                       |
| z <sub>n</sub>                   | (mm)     | contact        | contact         | contact        | contact         | contact        | contact         | contact      | contact        | contact            | contact             | contact      | contact        | contact                  | contact                   |
| Inclusive modes                  |          |                |                 |                |                 |                |                 |              |                |                    |                     |              |                |                          |                           |

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| P <sub>0</sub>              | 25.00% |
| I <sub>0</sub>              | 37.14% |
| P <sub>10</sub>             | 18.75% |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                              |        | MODE   |        |        | B/N-MODE                                                                      |        |        |
|-------------------------------------------------------------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------|--------|--------|
| C41V                                                                          |        |        |        |        |                                                                               |        |        |
| Index Label                                                                   | MT     | TIS    | TIB    | TTC    | Index Label                                                                   | MT     | TIS    |
| Maximum Index Value                                                           | 1.1    | 0.59   | 0.73   | 0.65   | Maximum Index Value                                                           | 1.1    | 0.59   |
| Index Component Value                                                         |        | 0.59   | 0.57   | 0.73   | Index Component Value                                                         |        | 0.59   |
| $P_{\text{ave}}$ (MPa)                                                        | 2.5    | 28     | 25     | 28     | $P_{\text{ave}}$ (MPa)                                                        | 2.5    | 28     |
| $P_{\text{pk}}$ (mW)                                                          |        |        |        |        | $P_{\text{pk}}$ (mW)                                                          |        |        |
| $P_{\text{iso}}$ (mW)                                                         |        |        |        |        | $P_{\text{iso}}$ (mW)                                                         |        |        |
| $z_1$ (cm)                                                                    |        |        | 1.0    |        | $z_1$ (cm)                                                                    |        |        |
| $z_2$ (cm)                                                                    |        |        |        | 1.8    | $z_2$ (cm)                                                                    |        |        |
| $z_{\text{ref}}$ (cm)                                                         | 2.5    |        |        |        | $z_{\text{ref}}$ (cm)                                                         | 2.5    |        |
| $f_{\text{ave}}$ (MHz)                                                        | 5.2    | 5.2    | 5.2    | 5.2    | $f_{\text{ave}}$ (MHz)                                                        | 5.2    | 5.2    |
| $f_{\text{prf}}$ (Hz)                                                         | 2976   |        |        |        | $f_{\text{prf}}$ (Hz)                                                         | 2976   |        |
| $n_{\text{prf}}$ (Hz)                                                         | 13     |        |        |        | $n_{\text{prf}}$ (Hz)                                                         | 13     |        |
| $f_{\text{ave}}$ at $z_{\text{ref}}$ (W/cm <sup>2</sup> )                     | 388    |        |        |        | $f_{\text{ave}}$ at $z_{\text{ref}}$ (W/cm <sup>2</sup> )                     | 388    |        |
| $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 98     |        |        |        | $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 98     |        |
| $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 237    |        |        |        | $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 237    |        |
| $P_{\text{r}}$ at $z_{\text{pk}}$ (MPa)                                       | 3.8    |        |        |        | $P_{\text{r}}$ at $z_{\text{pk}}$ (MPa)                                       | 3.8    |        |
| Operating Condition                                                           | 100    | 100    | 100    | 100    | Operating Condition                                                           | 100    | 100    |
| Wave Mode                                                                     | B/M    | B/M    | B/M    | B/M    | Wave Mode                                                                     | B/M    | B/M    |
| Frequency (B)                                                                 | THUP.L | THUP.L | THUP.L | THUP.L | Frequency (B)                                                                 | THUP.L | THUP.L |
| Focus (B)                                                                     | Sd     | Sd     | Sd     | Sd     | Focus (B)                                                                     | Sd     | Sd     |
| Scan% (B)                                                                     | F4     | F3     | F3     | F3     | Scan% (B)                                                                     | F4     | F3     |
| Range (cm)                                                                    | 100    | 25     | 25     | 25     | Range (cm)                                                                    | 100    | 25     |
| PRF Limit                                                                     | ON     | OFF    | OFF    | OFF    | PRF Limit                                                                     | ON     | OFF    |
| Line Density                                                                  | Low    | High   | High   | Medium | Line Density                                                                  | Low    | High   |
| Ref. Frequency (Color)                                                        | n/a    | n/a    | n/a    | n/a    | Ref. Frequency (Color)                                                        | n/a    | n/a    |
| Focus (Color)                                                                 | n/a    | n/a    | n/a    | n/a    | Focus (Color)                                                                 | n/a    | n/a    |
| Power% (Color)                                                                | n/a    | n/a    | n/a    | n/a    | Power% (Color)                                                                | n/a    | n/a    |
| Color Velocity Range (cm/s)                                                   | n/a    | n/a    | n/a    | n/a    | Color Velocity Range (cm/s)                                                   | n/a    | n/a    |
| Picket Size                                                                   | n/a    | n/a    | n/a    | n/a    | Picket Size                                                                   | n/a    | n/a    |
| Flow Area Depth                                                               | n/a    | n/a    | n/a    | n/a    | Flow Area Depth                                                               | n/a    | n/a    |
| Color Line Density                                                            | n/a    | n/a    | n/a    | n/a    | Color Line Density                                                            | n/a    | n/a    |
| Flow Mode                                                                     | n/a    | n/a    | n/a    | n/a    | Flow Mode                                                                     | n/a    | n/a    |
| High PRF                                                                      | n/a    | n/a    | n/a    | n/a    | High PRF                                                                      | n/a    | n/a    |
| Ref. Frequency (D)                                                            | n/a    | n/a    | n/a    | n/a    | Ref. Frequency (D)                                                            | n/a    | n/a    |
| Focus (D)                                                                     | n/a    | n/a    | n/a    | n/a    | Focus (D)                                                                     | n/a    | n/a    |
| Doppler Velocity Range (cm/s)                                                 | n/a    | n/a    | n/a    | n/a    | Doppler Velocity Range (cm/s)                                                 | n/a    | n/a    |
| Sample gate size (cm)                                                         | n/a    | n/a    | n/a    | n/a    | Sample gate size (cm)                                                         | n/a    | n/a    |
| Sample gate depth (cm)                                                        | n/a    | n/a    | n/a    | n/a    | Sample gate depth (cm)                                                        | n/a    | n/a    |
| Triplex Frame Rate                                                            | n/a    | n/a    | n/a    | n/a    | Triplex Frame Rate                                                            | n/a    | n/a    |
| Triplex VEL Range                                                             | n/a    | n/a    | n/a    | n/a    | Triplex VEL Range                                                             | n/a    | n/a    |
| Flow Area Lock                                                                | n/a    | n/a    | n/a    | n/a    | Flow Area Lock                                                                | n/a    | n/a    |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pk}}$             | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                              |        | MODE   |        |        | B-MODE                                                                        |        |        |
|-------------------------------------------------------------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------|--------|--------|
| C41V                                                                          |        |        |        |        |                                                                               |        |        |
| Index Label                                                                   | MT     | TIS    | TIB    | TTC    | Index Label                                                                   | MT     | TIS    |
| Maximum Index Value                                                           | 1.1    | 0.60   | 0.60   | 0.64   | Maximum Index Value                                                           | 1.1    | 0.60   |
| Index Component Value                                                         |        | 0.60   | 0.60   | 0.60   | Index Component Value                                                         |        | 0.60   |
| $P_{\text{ave}}$ (MPa)                                                        | 2.5    | 29     | 25     | 29     | $P_{\text{ave}}$ (MPa)                                                        | 2.5    | 29     |
| $P_{\text{pk}}$ (mW)                                                          |        |        |        |        | $P_{\text{pk}}$ (mW)                                                          |        |        |
| $P_{\text{iso}}$ (mW)                                                         |        |        |        |        | $P_{\text{iso}}$ (mW)                                                         |        |        |
| $z_1$ (cm)                                                                    |        |        |        | 1.8    | $z_1$ (cm)                                                                    |        |        |
| $z_2$ (cm)                                                                    |        |        |        |        | $z_2$ (cm)                                                                    |        |        |
| $z_{\text{ref}}$ (cm)                                                         | 2.5    |        |        |        | $z_{\text{ref}}$ (cm)                                                         | 2.5    |        |
| $f_{\text{ave}}$ (MHz)                                                        | 5.2    | 5.2    | 5.2    | 5.2    | $f_{\text{ave}}$ (MHz)                                                        | 5.2    | 5.2    |
| $f_{\text{prf}}$ (Hz)                                                         | 3133   |        |        |        | $f_{\text{prf}}$ (Hz)                                                         | 3133   |        |
| $n_{\text{prf}}$ (Hz)                                                         | 20     |        |        |        | $n_{\text{prf}}$ (Hz)                                                         | 20     |        |
| $f_{\text{ave}}$ at $z_{\text{ref}}$ (W/cm <sup>2</sup> )                     | 388    |        |        |        | $f_{\text{ave}}$ at $z_{\text{ref}}$ (W/cm <sup>2</sup> )                     | 388    |        |
| $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 2.9    |        |        |        | $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 2.9    |        |
| $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 6.6    |        |        |        | $f_{\text{ave}}$ at $z_{\text{pk}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 6.6    |        |
| $P_{\text{r}}$ at $z_{\text{pk}}$ (MPa)                                       | 3.8    |        |        |        | $P_{\text{r}}$ at $z_{\text{pk}}$ (MPa)                                       | 3.8    |        |
| Operating Condition                                                           | 100    | 100    | 100    | 100    | Operating Condition                                                           | 100    | 100    |
| Wave Mode                                                                     | B      | B      | B      | B      | Wave Mode                                                                     | B      | B      |
| Frequency (B)                                                                 | THUP.L | THUP.L | THUP.L | THUP.L | Frequency (B)                                                                 | THUP.L | THUP.L |
| Focus (B)                                                                     | Sd     | Sd     | Sd     | Sd     | Focus (B)                                                                     | Sd     | Sd     |
| Scan% (B)                                                                     | F4     | F3     | F3     | F3     | Scan% (B)                                                                     | F4     | F3     |
| Range (cm)                                                                    | 100    | 25     | 25     | 25     | Range (cm)                                                                    | 100    | 25     |
| PRF Limit                                                                     | ON     | OFF    | OFF    | OFF    | PRF Limit                                                                     | ON     | OFF    |
| Line Density                                                                  | Low    | High   | High   | High   | Line Density                                                                  | Low    | High   |
| Ref. Frequency (Color)                                                        | n/a    | n/a    | n/a    | n/a    | Ref. Frequency (Color)                                                        | n/a    | n/a    |
| Focus (Color)                                                                 | n/a    | n/a    | n/a    | n/a    | Focus (Color)                                                                 | n/a    | n/a    |
| Power% (Color)                                                                | n/a    | n/a    | n/a    | n/a    | Power% (Color)                                                                | n/a    | n/a    |
| Color Velocity Range (cm/s)                                                   | n/a    | n/a    | n/a    | n/a    | Color Velocity Range (cm/s)                                                   | n/a    | n/a    |
| Picket Size                                                                   | n/a    | n/a    | n/a    | n/a    | Picket Size                                                                   | n/a    | n/a    |
| Flow Area Depth                                                               | n/a    | n/a    | n/a    | n/a    | Flow Area Depth                                                               | n/a    | n/a    |
| Color Line Density                                                            | n/a    | n/a    | n/a    | n/a    | Color Line Density                                                            | n/a    | n/a    |
| Flow Mode                                                                     | n/a    | n/a    | n/a    | n/a    | Flow Mode                                                                     | n/a    | n/a    |
| High PRF                                                                      | n/a    | n/a    | n/a    | n/a    | High PRF                                                                      | n/a    | n/a    |
| Ref. Frequency (D)                                                            | n/a    | n/a    | n/a    | n/a    | Ref. Frequency (D)                                                            | n/a    | n/a    |
| Focus (D)                                                                     | n/a    | n/a    | n/a    | n/a    | Focus (D)                                                                     | n/a    | n/a    |
| Doppler Velocity Range (cm/s)                                                 | n/a    | n/a    | n/a    | n/a    | Doppler Velocity Range (cm/s)                                                 | n/a    | n/a    |
| Sample gate size (cm)                                                         | n/a    | n/a    | n/a    | n/a    | Sample gate size (cm)                                                         | n/a    | n/a    |
| Sample gate depth (cm)                                                        | n/a    | n/a    | n/a    | n/a    | Sample gate depth (cm)                                                        | n/a    | n/a    |
| Triplex Frame Rate                                                            | n/a    | n/a    | n/a    | n/a    | Triplex Frame Rate                                                            | n/a    | n/a    |
| Triplex VEL Range                                                             | n/a    | n/a    | n/a    | n/a    | Triplex VEL Range                                                             | n/a    | n/a    |
| Flow Area Lock                                                                | n/a    | n/a    | n/a    | n/a    | Flow Area Lock                                                                | n/a    | n/a    |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pk}}$             | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                    |  | C41V                  |      | MODE       |               |            |               | PWD-Mode |       |
|-------------------------------------|--|-----------------------|------|------------|---------------|------------|---------------|----------|-------|
| Index Label                         |  | MI                    | TTX  | at surface | below surface | at surface | below surface | TTX      | PWC   |
| Maximum Index Value                 |  | 0.80                  |      |            |               |            |               |          |       |
| Index Component Value               |  |                       |      | 0.68       | 0.43          | 0.60       | 2.0           |          |       |
| $P_{ave}$                           |  | (MPa)                 | 1.8  |            |               |            |               |          |       |
| $P_{10}$                            |  | (mW)                  |      |            |               |            |               |          |       |
| Acoustic Parameters                 |  | (mW)                  |      |            |               |            |               |          |       |
| $z_1$                               |  | (cm)                  |      |            |               |            |               |          |       |
| $z_2$                               |  | (cm)                  |      |            | 1.3           |            | 0.70          |          |       |
| $z_{ref}$                           |  | (cm)                  | 2.0  |            |               |            |               |          |       |
| $f_{ref}$                           |  | (MHz)                 | 5.0  | 5.0        |               |            |               | 5.0      | 5.0   |
| PTT                                 |  | (Hz)                  | 814  |            |               |            |               |          |       |
| PTT                                 |  | (Hz)                  | -    |            |               |            |               |          |       |
| Other Information                   |  |                       | -    |            |               |            |               |          |       |
| $f_{max}$ at $z_{ref}$              |  | (W/cm <sup>2</sup> )  | 195  |            |               |            |               |          |       |
| $f_{max}$ at $z_{ref}$ or $z_{ref}$ |  | (mW/cm <sup>2</sup> ) | 115  |            |               |            |               |          |       |
| $f_{max}$ at $z_{ref}$ or $z_{ref}$ |  | (mW/cm <sup>2</sup> ) | 247  |            |               |            |               |          |       |
| $P_{ref}$ at $z_{ref}$              |  | (MPa)                 | 2.4  |            |               |            |               |          |       |
| PTT (%)                             |  | (%)                   | 100  | 100        |               |            |               | 100      | 100   |
| Wave Mode                           |  | PW                    | PW   | PW         |               | PW         |               | PW       | PW    |
| Frequency (B)                       |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Focus (B)                           |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Scan (B)                            |  | (%)                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Range                               |  | (cm)                  | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| PRF Limit                           |  | (cm)                  | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Line Density                        |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Wave Mode                           |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Ref. Frequency (Color)              |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Focus (Color)                       |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Drive% (Color)                      |  | (%)                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Color Velocity Range                |  | (cm/s)                | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Pulsar Sim                          |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Flow Area Depth                     |  | (cm)                  | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Color Line Density                  |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| PW Mode                             |  | PW                    | PW   | PW         |               | PW         |               | PW       | PW    |
| High PRF                            |  | OFF                   | OFF  | OFF        |               | OFF        |               | OFF      | OFF   |
| Ref. Frequency (D)                  |  | Reso                  | Reso | Reso       |               | Reso       |               | Reso     | Reso  |
| Focus (D)                           |  | F4                    | F6   | F6         |               | F2         |               | F1       | F1    |
| Doppler Velocity Range              |  | (cm/s)                | 6.23 | 83.88      |               | 61.30      |               | 93.75    | 93.75 |
| Sample gate size                    |  | (cm)                  | 0.1  | 0.1        |               | 0.1        |               | 0.0      | 0.0   |
| Sample gate depth                   |  | (cm)                  | 1.6  | 4.4        |               | 0.4        |               | 0.0      | 0.0   |
| Triplets Present Rate               |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Triplets VFL Range                  |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |
| Flow Area Lock                      |  | n/a                   | n/a  | n/a        |               | n/a        |               | n/a      | n/a   |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTX or TTX.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcutaneous or noncutaneous implants cases.

NOTE 4: If the requirements of 201.17.2.2.2 are met, it is not required to enter any data in the columns related to TTX, TB or TIC.

NOTE 5: If the requirements of 201.17.2.2.3 are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "-" indicates cells where a numerical value should be entered. The padlock icon in the index has to be entered in the operating cell section.

**Flow Area Lock**

NOTE 1: Only one operating condition per motor.

**NOTE 3** Information need not be provided concerning TIC for any TRAMON WITH A GSELMAN V and indicated for nonconnected nonconnected nonconnected cases.

NOTE 4. If the measurements of 301 A 2-3 are used, it is not recommended to either use data in the red zone indicated in T10, T18 or T1C. If the measurements of 301 A 2-3 are used, it is not recommended to either use data in the red zone indicated in T10, T18 or T1C.

NOTE 6. If the measurements of 201.53.4.26a) were used, it is not necessary to enter new data in the columns related to M1.

FOI is a fee requirement of 2011, 2012-2013) are not required to submit any data at the counties remaining to be.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $n$                         | 4.875% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                          | CATV    | MODE    | M-Mode  |         |
|-----------------------------------------------------------|---------|---------|---------|---------|
| Index Label                                               | MI      | TTS     | T7B     | TTC     |
| Maximum Index Value                                       | 1.1     | 0.26    | 0.54    | 0.33    |
| Index Component Value                                     | 0.26    | 0.20    | 0.21    | 0.54    |
| $P_{ave}$ (MPa)                                           | 2.5     |         |         |         |
| $P$ (mW)                                                  |         |         |         |         |
| $P_{iso}$ (mW)                                            |         | 14      | 8.5     | 14      |
| $z_1$ (cm)                                                |         | 11      | 8.5     |         |
| $z_2$ (cm)                                                |         |         | 1.5     | 2.2     |
| $z_{air}$ (cm)                                            | 2.5     |         |         |         |
| $z_{ref}$ (cm)                                            | 2.5     |         |         |         |
| $f_{ref}$ (MHz)                                           | 5.2     |         |         |         |
| $prr$ (Hz)                                                | 2003    | 5.1     | 5.2     | 5.1     |
| $err$ (Hz)                                                | -       |         |         |         |
| $n_{pr}$ -                                                | -       |         |         |         |
| $f_{ave}$ at $z_{ref}$ (W/cm <sup>2</sup> )               | 388     |         |         |         |
| $f_{ave}$ at $z_{ref}$ or $z_{air}$ (mW/cm <sup>2</sup> ) | 192     |         |         |         |
| $f_{ave}$ at $z_{ref}$ or $z_{air}$ (mW/cm <sup>2</sup> ) | 465     |         |         |         |
| $P$ at $z_{ref}$ (MPa)                                    | 3.8     |         |         |         |
| PRF (%)                                                   | 100     | 100     | 100     | 100     |
| Tx Mode                                                   | M       | M       | M       | M       |
| Wave Mode                                                 | TH(P.L) | TH(P.L) | TH(P.L) | TH(P.L) |
| Frequency (B)                                             | Sd      | Sd      | Sd      | Sd      |
| Focus (B)                                                 | F4      | F8      | F4      | F7      |
| Scan's (B)                                                | n/a     | n/a     | n/a     | n/a     |
| Range (cm)                                                | 21.0    | 21.0    | 21.0    | 21.0    |
| PRF Limit                                                 | n/a     | n/a     | n/a     | n/a     |
| Line Density                                              | n/a     | n/a     | n/a     | n/a     |
| Pw Mode                                                   | n/a     | n/a     | n/a     | n/a     |
| Ref. Frequency (Color)                                    | n/a     | n/a     | n/a     | n/a     |
| Focus (Color)                                             | n/a     | n/a     | n/a     | n/a     |
| Pw's (Color)                                              | n/a     | n/a     | n/a     | n/a     |
| Color Velocity Range (cm/s)                               | n/a     | n/a     | n/a     | n/a     |
| Picket Size                                               | n/a     | n/a     | n/a     | n/a     |
| Pulse Area Depth (cm)                                     | n/a     | n/a     | n/a     | n/a     |
| Color Line Density                                        | n/a     | n/a     | n/a     | n/a     |
| Pw Mode                                                   | n/a     | n/a     | n/a     | n/a     |
| High PRF                                                  | n/a     | n/a     | n/a     | n/a     |
| Ref. Frequency (D)                                        | n/a     | n/a     | n/a     | n/a     |
| Focus (D)                                                 | n/a     | n/a     | n/a     | n/a     |
| Doppler Velocity Range (cm/s)                             | n/a     | n/a     | n/a     | n/a     |
| Sample gate size (cm)                                     | n/a     | n/a     | n/a     | n/a     |
| Sample gate depth (cm)                                    | n/a     | n/a     | n/a     | n/a     |
| Triplets Frame Rate                                       | n/a     | n/a     | n/a     | n/a     |
| Triplets VFL Range                                        | n/a     | n/a     | n/a     | n/a     |
| Pulse Area Lock                                           | n/a     | n/a     | n/a     | n/a     |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or T7B.

NOTE 3: Information need not be included regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4: If the requirements of 201/12.4,20) are met, it is not required to enter any data in the columns related to TTS, T7B or TTC.

NOTE 5: If the requirements of 201/12.4,20) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "-" indicates cells where a numerical value should be entered. This equipment setting related to the index has to be entered in the operating cell section.

NOTE 1: Only one assembly condition was tested.

NOTE 1 Only one operating condition per index.

NOTE 3 Information need not be completed concerning TAC for non-TRANSPICER ASSEMBLY Y not intended for biomedical or commercial metabolic uses.

NOTE: A manufacturer needs not be provided regarding TFC for any POWERBOOK ASSEMBLY not intended for sale in the United States or Mexico.

NOTE 4. If the requirements of 201.12.4.3(a) are met, it is not required to submit any data to the contractor's remaining 201.12.4.3(b) and 201.12.4.3(c) are met. If the two documents of 201.12.4.3(b) are met, it is not required to submit any data to the contractor's remaining 201.12.4.3(c).

For all business enquiries visit us online [fishbase.org](http://www.fishbase.org) or contact your local FishBase office (<http://www.fishbase.org/office>). We're here to assist you with all your fish-related queries.

|          |        |
|----------|--------|
| $P$      | 25.00% |
| $I_H$    | 37.14% |
| $\alpha$ | 48.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T1               | 40% or 0.4, whichever larger |



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | C41V                   |                       | MODE       |            |          |               | BPPVD-mode |  |
|------------------------------|------------------------|-----------------------|------------|------------|----------|---------------|------------|--|
|                              | Index Label            | MT                    | TIS        | at surface | TIB      | below surface | TTC        |  |
| Maximum Index Value          |                        | 1.1                   | 0.68       | 0.68       | 0.65     | 1.9           | 1.5        |  |
| Index Component Value        |                        |                       |            | 0.68       | 0.45     | 1.9           |            |  |
| Acoustic Parameters          | $P_{1,0}$              | (MPa)                 | 2.5        |            |          |               |            |  |
|                              | $P_{1,1}$              | (mW)                  |            | 29         |          | 27            | 28         |  |
|                              | $P_{1,2}$              | (mW)                  |            | 29         |          | 27            |            |  |
|                              | $z_1$                  | (cm)                  |            |            | 1.3      |               |            |  |
|                              | $z_2$                  | (cm)                  |            |            |          | 0.84          |            |  |
| Other Information            | $z_{1,0}$              | (cm)                  | 2.5        |            |          |               |            |  |
|                              | $z_{1,1}$              | (cm)                  | 2.5        |            |          |               |            |  |
|                              | $f_{1,0}$              | (MHz)                 | B-5.1, D-5 |            |          |               |            |  |
|                              | $f_{1,1}$              | (MHz)                 | B-5.1, D-5 |            |          |               |            |  |
|                              | $f_{1,2}$              | (Hz)                  | 18912      |            |          |               |            |  |
|                              | $f_{1,3}$              | (Hz)                  | 14         |            |          |               |            |  |
|                              | $f_{1,4}$              | (Hz)                  | 2.0        |            |          |               |            |  |
|                              | $f_{1,5}$              | (W/cm <sup>2</sup> )  | 388        |            |          |               |            |  |
|                              | $f_{1,6}$              | (mW/cm <sup>2</sup> ) | 158        |            |          |               |            |  |
|                              | $f_{1,7}$              | (mW/cm <sup>2</sup> ) | 543        |            |          |               |            |  |
|                              | $P_1$ at $f_{1,0}$     | (MPa)                 | 3.8        |            |          |               |            |  |
| Operating Control Conditions | PWR%                   | (%)                   | 100        | 100        | 100      | 100           | 100        |  |
|                              | Tx Mode                |                       | BPPw       | BPPw       | BPPw     | BPPw          | BPPw       |  |
|                              | Wave Mode              |                       | THU(P-L)   | THU(P-L)   | THU(P-L) | THU(P-L)      | THU(P-L)   |  |
|                              | Frequency (B)          |                       | Sd         | Sd         | Sd       | Sd            | Sd         |  |
|                              | Focus (B)              |                       | F4         | F1         | F1       | F2            | F2         |  |
|                              | Search (B)             | (%)                   | 25         | 25         | 25       | 25            | 25         |  |
|                              | Range                  | (cm)                  | 11.0       | 8.0        | 5.0      | 5.0           | 2.5        |  |
|                              | PRF Limit              |                       | OFF        | OFF        | OFF      | OFF           | OFF        |  |
|                              | Line Density           |                       | High       | High       | Low      | High          | High       |  |
|                              | Pulse Mode             |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
| Flow Mode                    | Ref. Frequency (Color) |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Focus (Color)          |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Flow's (Color)         | (%)                   | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Color Velocity Range   | (cm/s)                | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Packet Size            |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Flow Area Depth        | (cm)                  | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Color Line Density     |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Pw Mode                |                       | PW         | PW         | PW       | PW            | PW         |  |
|                              | High PRF               |                       | OFF        | OFF        | OFF      | OFF           | OFF        |  |
|                              | Ref. Frequency (D)     |                       | Reno       | Reno       | Reno     | Reno          | Reno       |  |
| Flow Area Lock               | Focus (D)              |                       | F6         | F6         | F3       | F3            | F1         |  |
|                              | Display Velocity Range | (cm/s)                | 120.91     | 83.88      | 53.13    | 53.13         | 95.25      |  |
|                              | Sample gate size       | (cm)                  | 6.1        | 6.1        | 6.1      | 6.1           | 0.1        |  |
|                              | Sample gate depth      | (cm)                  | 4.4        | 4.4        | 1.0      | 1.0           | 0.0        |  |
|                              | Triplets Frame Rate    |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Triplets VFL Range     |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              | Flow Area Lock         |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              |                        |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              |                        |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |
|                              |                        |                       | n/a        | n/a        | n/a      | n/a           | n/a        |  |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TIS.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_p$                       | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | C41V                   |                       | MODE  |            |       |               | M+Color-mode |  |
|------------------------------|------------------------|-----------------------|-------|------------|-------|---------------|--------------|--|
|                              | Index Label            | MT                    | TIS   | at surface | TIB   | below surface | TTC          |  |
| Maximum Index Value          |                        | 0.81                  | 0.67  | 0.67       | 0.63  | 2.0           | 1.4          |  |
| Index Component Value        |                        |                       |       | 0.67       | 0.43  | 2.0           |              |  |
| Acoustic Parameters          | $P_{1,0}$              | (MPa)                 | 1.8   |            |       |               |              |  |
|                              | $P_{1,1}$              | (mW)                  |       | 29         |       | 26            | 26           |  |
|                              | $P_{1,2}$              | (mW)                  |       | 29         |       | 26            |              |  |
|                              | $z_1$                  | (cm)                  |       |            | 1.3   |               |              |  |
|                              | $z_2$                  | (cm)                  |       |            |       | 0.70          |              |  |
| Other Information            | $z_{1,0}$              | (cm)                  | 2.6   |            |       |               |              |  |
|                              | $z_{1,1}$              | (cm)                  | 2.6   |            |       |               |              |  |
|                              | $f_{1,0}$              | (MHz)                 | 5.0   |            |       |               |              |  |
|                              | $f_{1,1}$              | (MHz)                 | 4.9   |            |       |               |              |  |
|                              | $f_{1,2}$              | (Hz)                  | 1628  |            |       |               |              |  |
|                              | $f_{1,3}$              | (Hz)                  | -     |            |       |               |              |  |
|                              | $f_{1,4}$              | (W/cm <sup>2</sup> )  | 215   |            |       |               |              |  |
|                              | $f_{1,5}$              | (mW/cm <sup>2</sup> ) | 180   |            |       |               |              |  |
|                              | $f_{1,6}$              | (mW/cm <sup>2</sup> ) | 461   |            |       |               |              |  |
|                              | $P_1$ at $f_{1,0}$     | (MPa)                 | 2.6   |            |       |               |              |  |
| Operating Control Conditions | PWR%                   | (%)                   | 100   | 100        | 100   | 100           | 100          |  |
|                              | Tx Mode                |                       | MPPw  | MPPw       | MPPw  | MPPw          | MPPw         |  |
|                              | Wave Mode              |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Frequency (B)          |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Focus (B)              |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Search (B)             | (%)                   | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Range                  | (cm)                  | 21.0  | 8.0        | 2.5   | 2.5           | 2.5          |  |
|                              | PRF Limit              |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Line Density           |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Pulse Mode             |                       | Flow  | Flow       | Flow  | Flow          | Flow         |  |
| Flow Mode                    | Ref. Frequency (Color) |                       | Reno  | Reno       | Reno  | Reno          | Reno         |  |
|                              | Focus (Color)          |                       | F5    | F6         | F2    | F2            | F2           |  |
|                              | Flow's (Color)         | (%)                   | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Color Velocity Range   | (cm/s)                | 12.45 | 39.84      | 75.89 | 75.89         | 75.89        |  |
|                              | Packet Size            |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Flow Area Depth        | (cm)                  | 21.0  | 21.0       | 21.0  | 21.0          | 21.0         |  |
|                              | Color Line Density     |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Pw Mode                |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | High PRF               |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Ref. Frequency (D)     |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
| Flow Area Lock               | Focus (D)              |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Display Velocity Range | (cm/s)                | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Sample gate size       | (cm)                  | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Sample gate depth      | (cm)                  | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Triplets Frame Rate    |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Triplets VFL Range     |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              | Flow Area Lock         |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              |                        |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              |                        |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |
|                              |                        |                       | n/a   | n/a        | n/a   | n/a           | n/a          |  |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TIS.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_p$                       | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | C41V            | MODE          |               |            |               | B+CelerD-mode |
|------------------------------|-----------------|---------------|---------------|------------|---------------|---------------|
| Index Label                  |                 | TTS           |               | 77B        |               | TTC           |
| Maximum Index Value          |                 | at surface    | below surface | at surface | below surface |               |
| Index Component Value        |                 | 0.69          | 0.45          | 0.64       | 1.9           | 1.6           |
| Acoustic Parameters          | $P_{rms}$ (MPa) |               |               |            |               |               |
|                              | $P$ (mW)        |               |               |            |               |               |
|                              | $P_{rms}$ (mW)  | 29            |               | 27         |               | 27            |
|                              | $z_{rms}$ (cm)  |               |               |            |               |               |
|                              | $z_{rms}$ (cm)  |               | 1.3           |            | 0.70          |               |
| Other Information            | $z_{rms}$ (cm)  |               |               |            |               |               |
|                              | $z_{rms}$ (cm)  |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) | B-5.1,C-5,D-5 |               |            |               | B-5.1,C-5,D-5 |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
|                              | $f_{rms}$ (MHz) |               |               |            |               |               |
| Operating Control Conditions | $f_{rms}$ (MHz) | 100           |               | 100        |               | 100           |
|                              | $f_{rms}$ (MHz) | B-100W        |               | B-100W     |               | B-100W        |
|                              | $f_{rms}$ (MHz) | THD(P.L.)     |               | THD(P.L.)  |               | THD(P.L.)     |
|                              | $f_{rms}$ (MHz) | Sd            |               | Sd         |               | Sd            |
|                              | $f_{rms}$ (MHz) | F4            |               | F3         |               | F1            |
|                              | $f_{rms}$ (MHz) | 26            |               | 26         |               | 26            |
|                              | $f_{rms}$ (MHz) | Range         |               | Range      |               | Range         |
|                              | $f_{rms}$ (MHz) | 21.0          |               | 21.0       |               | 21.0          |
|                              | $f_{rms}$ (MHz) | GN            |               | GN         |               | GN            |
|                              | $f_{rms}$ (MHz) | Low           |               | Low        |               | Low           |
|                              | $f_{rms}$ (MHz) | Flow          |               | Flow       |               | Flow          |
|                              | $f_{rms}$ (MHz) | Flow          |               | Flow       |               | Flow          |
| Flow Mode                    | $f_{rms}$ (MHz) | Flow          |               | Flow       |               | Flow          |
|                              | $f_{rms}$ (MHz) | Flow          |               | Flow       |               | Flow          |
|                              | $f_{rms}$ (MHz) | Flow          |               | Flow       |               | Flow          |
|                              | $f_{rms}$ (MHz) | Flow          |               | Flow       |               | Flow          |
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Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

C41V1 Convex

Acoustic power is controllable by the user.

| Parameter                        | Mode     | B <sub>0</sub> | B <sub>90°</sub> | M <sub>p</sub> | M <sub>90°</sub> | D <sub>p</sub> | D <sub>90°</sub> | (M+Color)P | (B+Color)P | (B+Color+D)P | (B+Color+D)P <sub>90°</sub> |
|----------------------------------|----------|----------------|------------------|----------------|------------------|----------------|------------------|------------|------------|--------------|-----------------------------|
| Maximum power                    | (mW)     | 17             | 23               | 7.8            | 16               | 23             | 29               | 27         | 23         | 33           | 29                          |
| P                                | (MPa)    | 4.5            | 2.3              | 4.5            | 4.5              | 4.5            | 1.1              | 4.5        | 2.3        | 4.5          | 2.3                         |
| I <sub>0</sub>                   | (mW/cm²) | 31             | 58               | 15             | 29               | 46             | 57               | 67         | 86         | 169          | 59                          |
| I <sub>90°</sub>                 | (mW/cm²) | 6.9            | 47               | 396            | 792              | 836            | 1321             | 964        | 1102       | 111          | 1135                        |
| PWR%                             | (%)      | 100            | 100              | 100            | 100              | 100            | 100              | 100        | 100        | 100          | 100                         |
| Tx Mode                          |          | B              | B                | M              | M                | Pw             | Pw               | MFlow      | BFlow      | BFlow/Pw     | BFlow/Pw                    |
| Wave Mode                        |          | FND            | FND              | FND            | THRP.L           | n/a            | n/a              | -          | FND        | FND          | THRP.L                      |
| Frequency (B)                    |          | Reno           | Reno             | Reno           | High             | n/a            | n/a              | n/a        | Std        | Std          | Std                         |
| Focus (B)                        |          | F4             | F4               | F4             | F4               | n/a            | n/a              | n/a        | F2         | F4           | F1                          |
| Scan% (B)                        | (%)      | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a        | 100        | 25           | 26                          |
| Range                            | (cm)     | 21.0           | 3.0              | 21.0           | n/a              | n/a            | n/a              | 21.0       | 21.0       | 2.5          | 12.0                        |
| PRF Limit                        |          | ON             | OFF              | n/a            | n/a              | n/a            | n/a              | n/a        | ON         | OFF          | OFF                         |
| Line Density                     |          | Low            | High             | n/a            | n/a              | n/a            | n/a              | n/a        | Low        | High         | Medium                      |
| Flow Mode                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | Flow       | Flow         | Flow                        |
| Ref. Frequency (Color)           |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | Reno       | Reno         | Reno                        |
| Flow% (Color)                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | F5         | F5           | F7                          |
| Color Velocity Range             | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | 100        | 15           | 15                          |
| Packet Size                      |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 9.96       | 66.41      | 0.63         | 16.60                       |
| Flow Area Depth                  | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | High       | Low          | High                        |
| Color Line Density               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | 21.0       | 2.5        | 21.0         | 12.0                        |
| Pw Mode                          |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | 1          | 3            | 3                           |
| High PRF                         |          | n/a            | n/a              | n/a            | n/a              | OFF            | OFF              | n/a        | n/a        | OFF          | OFF                         |
| Ref. Frequency (D)               |          | n/a            | n/a              | n/a            | n/a              | Reno           | Reno             | n/a        | n/a        | Reno         | Reno                        |
| Focus (D)                        |          | n/a            | n/a              | n/a            | n/a              | F5             | F5               | n/a        | n/a        | F1           | F5                          |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a              | n/a            | n/a              | 6.23           | 128.46           | n/a        | n/a        | 6.23         | 106.25                      |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a            | n/a              | 0.1            | 0.1              | n/a        | n/a        | 0.1          | 0.1                         |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a            | n/a              | 2.8            | 4.0              | n/a        | n/a        | 0.2          | 2.8                         |
| Triplex Frame Rate               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | n/a          | Medium                      |
| Triplex VEL Range                |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | BFix         | BFix                        |
| Flow Area Lock                   |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | OFF          | OFF                         |
| F <sub>0</sub>                   | (mm)     | 27             | 22               | 27             | 27               | 29             | 29               | 29         | 23         | 22           | 29                          |
| F <sub>90°</sub>                 | (mm)     | 1.3            | 1.5              | 1.3            | 1.3              | 2.0            | 2.0              | 2.1        | 1.9        | 2.1          | 2.0                         |
| W <sub>0</sub>                   | (L)      | 1.3            | 1.6              | 1.3            | 1.3              | 1.5            | 1.5              | 1.6        | 1.5        | 1.6          | 1.5                         |
| PRF (PRF)                        | (Hz)     | n/a            | n/a              | 1003           | 2006             | 814            | 26042            | 1302       | 9470       | n/a          | n/a                         |
| PRF (SRF)                        | (Hz)     | 28             | 219              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | 30           | 3.9                         |
| P <sub>0</sub>                   |          | 1.0            | 1.0              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | 0.45         | 0.45                        |
| P <sub>90°</sub>                 |          | 77             | 40               | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | B1, C9       | B1, C9                      |
| Output beam dimensions           | (mm)     | 8.1            | 6.1              | 8.1            | 8.1              | 7.7            | 7.7              | 5.3        | 5.3        | 2.8          | 7.7                         |
| f <sub>cut</sub>                 | (MHz)    | 5.8            | 5.8              | 5.8            | 5.8              | 5.0            | 5.0              | 5.0        | 5.0        | 5.0          | 5.0                         |
| Acoustic Power-up fraction       | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | n/a          | n/a                         |
| Power-up mode                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | n/a          | n/a                         |
| Acoustic Initialization fraction | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | n/a          | n/a                         |
| Initialization mode              |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a        | n/a        | n/a          | n/a                         |
| Acoustic output freeze           |          | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes        | Yes        | Yes          | Yes                         |
| F <sub>0</sub>                   | (mm)     | 1.2            | 1.2              | 1.2            | 1.2              | 1.2            | 1.2              | 1.2        | 1.2        | 1.2          | 1.2                         |
| F <sub>90°</sub>                 | (mm)     | contact        | contact          | contact        | contact          | contact        | contact          | contact    | contact    | contact      | contact                     |
| Exclusive modes                  |          | contact        | contact          | contact        | contact          | contact        | contact          | contact    | contact    | contact      | contact                     |

| TEMPERATURE UNSTABILITY [%] |        |
|-----------------------------|--------|
| P                           | 25.00% |
| I <sub>0</sub>              | 37.14% |
| P <sub>0</sub>              | 18.75% |

Данные по акустической мощности

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

C41V1

MODE

B-Mode

| Index Label                  | MT                                    | TTS                   | at surface    | T7B        | at surface    | T7C     |
|------------------------------|---------------------------------------|-----------------------|---------------|------------|---------------|---------|
| Maximum Index Value          | 1.3                                   | at surface            | below surface | at surface | below surface | 0.76    |
| Index Component Value        |                                       | 0.61                  | 0.60          | 0.60       | 0.77          |         |
| Acoustic Parameters          | $P_{10}$                              | (MPa)                 |               |            |               |         |
| Acoustic Parameters          | $P_{10}$                              | (mW)                  |               | 27         | 26            | 28      |
| Acoustic Parameters          | $P_{10}$                              | (mW)                  |               | 25         | 24            |         |
| Acoustic Parameters          | $z_1$                                 | (cm)                  |               | 0.84       |               | 0.84    |
| Acoustic Parameters          | $z_1$                                 | (cm)                  |               |            |               |         |
| Acoustic Parameters          | $z_{ref}$                             | (cm)                  | 2.4           |            |               |         |
| Acoustic Parameters          | $z_{ref}$                             | (cm)                  | 2.4           |            |               |         |
| Other Information            | $f_{ref}$                             | (MHz)                 | 5.0           | 5.4        | 5.4           | 4.8     |
| Other Information            | $PRF$                                 | (Hz)                  | 2527          |            |               |         |
| Other Information            | $PRF$                                 | (Hz)                  | 26            |            |               |         |
| Other Information            | $n_{ref}$                             |                       | 1.0           |            |               |         |
| Other Information            | $I_{p,ref}$ at $z_{ref}$              | (W/cm <sup>2</sup> )  | 827           |            |               |         |
| Other Information            | $I_{p,ref}$ at $z_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 110           |            |               |         |
| Other Information            | $I_{p,ref}$ at $z_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 245           |            |               |         |
| Other Information            | $P_r$ at $z_{ref}$                    | (MPa)                 | 4.3           |            |               |         |
| Operating Control Conditions | $PRF_{min}$                           | (%)                   | 100           | 100        | 100           | 100     |
| Operating Control Conditions | $PRF_{max}$                           | (%)                   | 100           | 100        | 100           | 100     |
| Operating Control Conditions | Tx Mode                               |                       | B/M           | B/M        | B/M           | B/M     |
| Operating Control Conditions | Wave Mode                             |                       | FND           | FND        | THUP(L)       | THUP(L) |
| Operating Control Conditions | Frequency (B)                         |                       | Sd            | Rmo        | High          | Sd      |
| Operating Control Conditions | Focus (B)                             |                       | F4            | F2         | F2            | F1      |
| Operating Control Conditions | Scan/B (B)                            | (%)                   | 100           | 25         | 25            | 25      |
| Operating Control Conditions | Range                                 | (cm)                  | 2.5           | 2.5        | 6.0           | 2.5     |
| Operating Control Conditions | PRF Limit                             |                       | ON            | OFF        | OFF           | OFF     |
| Operating Control Conditions | Line Density                          |                       | Low           | Medium     | Medium        | Medium  |
| Operating Control Conditions | Flow Mode                             |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Ref. Frequency (Color)                |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Focus (Color)                         |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Flow% (Color)                         | (%)                   | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Color Velocity Range                  | (cm/s)                | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Pocket Size                           |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Flow Area Depth                       | (cm)                  | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Color Line Density                    |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Pre Mode                              |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | High PRF                              |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Ref. Frequency (D)                    |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Focus (D)                             |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Doppler Velocity Range                | (cm/s)                | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Sample gate size                      | (cm)                  | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Sample gate depth                     | (cm)                  | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Triplex Frame Rate                    |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Triplex VFL Range                     |                       | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Flow Area Lock                        |                       | n/a           | n/a        | n/a           | n/a     |

NOTE 1: Only use these tags

NOTE 2: This table should be used for all surfaces and below surface both. It is the reference value for TTS or T7C.

NOTE 3: The values in the table are for the operating TTS or T7C. The values in the table are for the operating TTS or T7C.

NOTE 4: The values in the table are for the operating TTS or T7C. The values in the table are for the operating TTS or T7C.

NOTE 5: The values in the table are for the operating TTS or T7C. The values in the table are for the operating TTS or T7C.

NOTE 6: The values in the table are for the operating TTS or T7C. The values in the table are for the operating TTS or T7C.

NOTE 7: The values in the table are for the operating TTS or T7C. The values in the table are for the operating TTS or T7C.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or T7B.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{p,r}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | C41V1                                 | MODE                  |      |      |        | B-Mode |
|------------------------------|---------------------------------------|-----------------------|------|------|--------|--------|
| Index Label                  | MT                                    | T7S                   | T7B  | T7C  |        |        |
| Maximum Index Value          | 1.3                                   | 0.64                  | 0.64 | 0.64 | 0.73   |        |
| Index Component Value        |                                       | 0.64                  | 0.64 | 0.64 |        |        |
| Acoustic Parameters          | $P_{ref}$                             | (MPa)                 | 3.0  |      |        |        |
|                              | $P_{10}$                              | (mW)                  |      | 28   | 30     |        |
|                              | $P_{10}$                              | (mW)                  |      | 26   |        |        |
|                              | $z_1$                                 | (cm)                  |      |      | 0.84   |        |
|                              | $z_1$                                 | (cm)                  |      |      |        |        |
|                              | $z_{ref}$                             | (cm)                  | 2.4  |      |        |        |
|                              | $z_{ref}$                             | (cm)                  | 2.4  |      |        |        |
| Other Information            | $f_{ref}$                             | (MHz)                 | 5.0  | 5.4  | 4.8    |        |
|                              | $PRF$                                 | (Hz)                  | 2156 |      |        |        |
|                              | $PRF$                                 | (Hz)                  | 28   |      |        |        |
|                              | $n_{ref}$                             |                       | 1.0  |      |        |        |
|                              | $I_{p,ref}$ at $z_{ref}$              | (W/cm <sup>2</sup> )  | 827  |      |        |        |
|                              | $I_{p,ref}$ at $z_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 4.5  |      |        |        |
|                              | $I_{p,ref}$ at $z_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 9.2  |      |        |        |
|                              | $P_r$ at $z_{ref}$                    | (MPa)                 | 4.3  |      |        |        |
|                              | $PRF_{min}$                           | (%)                   | 100  | 100  | 100    |        |
|                              | $PRF_{max}$                           | (%)                   | 100  | 100  | 100    |        |
| Operating Control Conditions | Tx Mode                               | B                     | B    | B    | B      |        |
|                              | Wave Mode                             | FND                   | FND  | FND  | THUP-L |        |
|                              | Frequency (B)                         | Sd                    | Rmo  | Rmo  | Sd     |        |
|                              | Focus (B)                             | F4                    | F2   | F2   | F1     |        |
|                              | Scan/B (B)                            | (%)                   | 100  | 25   | 25     |        |
|                              | Range                                 | (cm)                  | 21.0 | 3.5  | 4.0    |        |
|                              | PRF Limit                             | ON                    | OFF  | OFF  | OFF    |        |
|                              | Line Density                          | Low                   | High | High | High   |        |
|                              | Flow Mode                             | n/a                   | n/a  | n/a  | n/a    |        |
|                              | Ref. Frequency (Color)                | n/a                   | n/a  | n/a  | n/a    |        |
|                              | Focus (Color)                         | n/a                   | n/a  | n/a  | n/a    |        |
|                              | Flow% (Color)                         | (%)                   | n/a  | n/a  | n/a    |        |
|                              | Color Velocity Range                  | (cm/s)                | n/a  | n/a  | n/a    |        |
|                              | Pocket Size                           |                       | n/a  | n/a  | n/a    |        |
|                              | Flow Area Depth                       | (cm)                  | n/a  | n/a  | n/a    |        |
|                              | Color Line Density                    |                       | n/a  | n/a  | n/a    |        |
|                              | Pre Mode                              |                       | n/a  | n/a  | n/a    |        |
|                              | High PRF                              |                       | n/a  | n/a  | n/a    |        |
|                              | Ref. Frequency (D)                    |                       | n/a  | n/a  | n/a    |        |
|                              | Focus (D)                             |                       | n/a  | n/a  | n/a    |        |
|                              | Doppler Velocity Range                | (cm/s)                | n/a  | n/a  | n/a    |        |
|                              | Sample gate size                      | (cm)                  | n/a  | n/a  | n/a    |        |
|                              | Sample gate depth                     | (cm)                  | n/a  | n/a  | n/a    |        |
|                              | Triplex Frame Rate                    |                       | n/a  | n/a  | n/a    |        |
|                              | Triplex VFL Range                     |                       | n/a  | n/a  | n/a    |        |
|                              | Flow Area Lock                        |                       | n/a  | n/a  | n/a    |        |

NOTE 1: Only one operating condition per Index.

NOTE 2: Index label not intended for all Indexes and Index surface both in the columns related to T7S or T7B.

NOTE 3: Information not intended for all Indexes and Index surface both in the columns related to T7S, T7B or T7C.

NOTE 4: If the requirements of 201-12.4.2(a) are not met, it is not valid to enter any data in the columns related to T7S, T7B or T7C.

NOTE 5: If the requirements of 201-12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating cell section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or T7B.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{p,r}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |



| Index Label                  |           | MT    | TYS  | FTB  | TTC  |
|------------------------------|-----------|-------|------|------|------|
| Maximum Index Value          |           | 1.3   | 0.50 | 1.1  | 0.53 |
| Index Component Value        |           |       | 0.50 | 0.36 | 1.1  |
| Acoustic Parameters          | $P_{iso}$ | 3.0   |      |      |      |
|                              | $P$       | (mPa) |      |      |      |
|                              | $P_{10}$  | (mW)  | 19   | 15   | 15   |
|                              | $Z_s$     | (mW)  | 19   | 15   |      |
|                              | $Z_s$     | (cm)  |      | 1.3  | 1.9  |
|                              | $Z_{iso}$ | (cm)  |      |      |      |
|                              | $Z_{iso}$ | (cm)  |      |      |      |
| Other Information            | $Z_{iso}$ | 2.4   |      |      |      |
|                              | $Z_{iso}$ | 2.4   |      |      |      |
|                              | $f_{ref}$ | (MHz) | 5.0  |      |      |
|                              | $f_{ref}$ | (Hz)  | 1002 |      |      |
|                              | $f_{ref}$ | (Hz)  | -    |      |      |
|                              | $f_{ref}$ | (Hz)  | -    |      |      |
|                              | $f_{ref}$ | (Hz)  | -    |      |      |
| Operating Control Conditions | $f_{ref}$ | -     |      |      |      |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Wave Mode                    | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Frequency (B)                | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Power (B)                    | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Scan's (D)                   | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Range                        | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| PRF Limit                    | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Line Density                 | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Plane Mode                   | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Ref. Frequency (Color)       | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Power% (Color)               | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Color Velocity Range         | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Picket Size                  | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Plane Area Depth             | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Color Line Density           | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Per Mode                     | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| High PRF                     | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Ref. Frequency (D)           | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Plane (D)                    | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Doppler Velocity Range       | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Sample gate size             | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Sample gate depth            | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Triplets Frame Rate          | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Triplets VREL Range          | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
| Plane Area Lock              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |
|                              | $f_{ref}$ | (Hz)  | 100  | 100  | 100  |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTB or TBL.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transomitted or received acoustic waves.

NOTE 4: If the requirements of 2017.12.4.2.3) are met, it is not required to enter any data in the columns related to TTB, TBL or TTC.

NOTE 5: If the requirements of 2017.12.4.2.3) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "+" indicates cells where a normalized value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        | Display accuracy |
|-----------------------------|--------|------------------|
| $P$                         | 25.00% | MT               |
| $f_{ref}$                   | 37.14% | TT               |
| $P_s$                       | 18.75% |                  |

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Table 201.103 – Acoustic output reporting table (IEC 60801-2-37 Ed.2 Amd.1)

| Transducer Model             | Index Label                                                                    | MODE    |       |       | TTC   |
|------------------------------|--------------------------------------------------------------------------------|---------|-------|-------|-------|
|                              |                                                                                | MI      | TTS   | TTB   |       |
|                              | Maximum Index Value                                                            | 1.4     | 0.73  | 2.0   | 1.6   |
|                              | Index Component Value                                                          |         | 0.73  | 0.67  | 2.0   |
| Acoustic Parameters          | $P_{\text{ref}}$ (MPa)                                                         | 3.1     |       |       |       |
|                              | $P_{\text{ref}}$ (mW)                                                          |         | 33    | 28    | 28    |
|                              | $P_{\text{ref}}$ (mW)                                                          |         | 31    | 28    |       |
|                              | $z_1$ (cm)                                                                     |         |       | 1.4   |       |
|                              | $z_2$ (cm)                                                                     |         |       |       | 0.70  |
| Other Information            | $z_{\text{ref}}$ (cm)                                                          | 2.1     |       |       |       |
|                              | $z_{\text{ref}}$ (cm)                                                          | 2.1     |       |       |       |
|                              | $f_{\text{ref}}$ (MHz)                                                         | D-4.98  |       |       |       |
|                              | $f_{\text{ref}}$ (Hz)                                                          | 1524    |       |       |       |
|                              | $f_{\text{ref}}$ (Hz)                                                          | 7.4     |       |       |       |
| Other Information            | $n_{\text{ref}}$                                                               | 2.0     |       |       |       |
|                              | $f_{\text{ref}}$ at $z_{\text{ref}}$ (W/cm <sup>2</sup> )                      | 614     |       |       |       |
|                              | $f_{\text{ref}}$ at $z_{\text{ref}}$ or $z_{\text{ref}}$ (mW/cm <sup>2</sup> ) | 428     |       |       |       |
|                              | $f_{\text{ref}}$ at $z_{\text{ref}}$ or $z_{\text{ref}}$ (mW/cm <sup>2</sup> ) | 870     |       |       |       |
|                              | $P_{\text{ref}}$ at $z_{\text{ref}}$ (MPa)                                     | 4.2     |       |       |       |
| Operating Control Conditions | PW%                                                                            | 100     | 100   | 100   | 100   |
|                              | TS Mode                                                                        | TH(P/L) | TH(P) | TH(P) | TH(P) |
|                              | Wave Mode                                                                      | Stid    | Reno  | Reno  | Reno  |
|                              | Frequency (B)                                                                  | F1      | F2    | F5    | F5    |
|                              | Focus (B)                                                                      | 25      | 25    | 25    | 25    |
| Other Information            | Range                                                                          | (cm)    | 17.0  | 6.0   | 6.0   |
|                              | PRF Limit                                                                      | OFF     | OFF   | OFF   | OFF   |
|                              | Line Density                                                                   | High    | Low   | Low   | Low   |
|                              | Flow Mode                                                                      | n/a     | n/a   | n/a   | n/a   |
|                              | Ref. Frequency (Color)                                                         | n/a     | n/a   | n/a   | n/a   |
| Flow Area Lock               | Flow% (Color)                                                                  | n/a     | n/a   | n/a   | n/a   |
|                              | Color Velocity Range                                                           | (cm/s)  | n/a   | n/a   | n/a   |
|                              | Packet Size                                                                    | n/a     | n/a   | n/a   | n/a   |
|                              | Flow Area Depth                                                                | (cm)    | n/a   | n/a   | n/a   |
|                              | Color Line Density                                                             | n/a     | n/a   | n/a   | n/a   |
| High PRF                     | TS Mode                                                                        | PW      | PW    | PW    | PW    |
|                              | Ref. Frequency (D)                                                             | OFF     | OFF   | OFF   | OFF   |
|                              | Focus (D)                                                                      | Reno    | Reno  | Reno  | Reno  |
|                              | Flow% (Color)                                                                  | F4      | F7    | F2    | F1    |
|                              | Doppler Velocity Range                                                         | (cm/s)  | 9.96  | 28.46 | 44.27 |
| Sample gate size             | Sample gate size                                                               | (cm)    | 0.1   | 0.1   | 0.1   |
|                              | Sample gate size                                                               | (cm)    | 1.6   | 0.4   | 0.0   |
|                              | Sample gate size                                                               | (cm)    | n/a   | n/a   | n/a   |
|                              | Triplex Frame Rate                                                             | n/a     | n/a   | n/a   | n/a   |
|                              | Triplex VIL Range                                                              | n/a     | n/a   | n/a   | n/a   |
| Flow Area Lock               | Flow Area Lock                                                                 | n/a     | n/a   | n/a   | n/a   |
|                              | Flow Area Lock                                                                 | n/a     | n/a   | n/a   | n/a   |
|                              | Flow Area Lock                                                                 | n/a     | n/a   | n/a   | n/a   |
|                              | Flow Area Lock                                                                 | n/a     | n/a   | n/a   | n/a   |
|                              | Flow Area Lock                                                                 | n/a     | n/a   | n/a   | n/a   |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TT.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or nonmedical cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TT, or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P$                         | 25.00% |  |
| $I_{\text{ref}}$            | 37.14% |  |
| $P_{\text{ref}}$            | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MI               | 20% or 0.2, whichever larger |  |
| TT               | 40% or 0.4, whichever larger |  |

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Table 201.103 – Acoustic output reporting table (IEC 60801-2-37 Ed.2 Amd.1)

| Transducer Model             | Index Label                                                                    | MODE   |        |        | TTC    |
|------------------------------|--------------------------------------------------------------------------------|--------|--------|--------|--------|
|                              |                                                                                | MI     | TTS    | TTB    |        |
|                              | Maximum Index Value                                                            | 1.4    | 0.68   | 1.9    | 1.6    |
|                              | Index Component Value                                                          |        | 0.68   | 0.45   | 1.9    |
| Acoustic Parameters          | $P_{\text{ref}}$ (MPa)                                                         | 3.1    |        |        |        |
|                              | $P_{\text{ref}}$ (mW)                                                          |        | 31     |        |        |
|                              | $P_{\text{ref}}$ (mW)                                                          |        | 29     |        |        |
|                              | $z_1$ (cm)                                                                     |        |        | 1.4    |        |
|                              | $z_2$ (cm)                                                                     |        |        |        | 0.70   |
| Other Information            | $z_{\text{ref}}$ (cm)                                                          | 2.1    |        |        |        |
|                              | $z_{\text{ref}}$ (cm)                                                          | 2.1    |        |        |        |
|                              | $f_{\text{ref}}$ (MHz)                                                         | 5.0    |        |        |        |
|                              | $f_{\text{ref}}$ (Hz)                                                          | 1628   |        |        |        |
|                              | $f_{\text{ref}}$ (Hz)                                                          | -      |        |        |        |
| Other Information            | $n_{\text{ref}}$                                                               | -      |        |        |        |
|                              | $f_{\text{ref}}$ at $z_{\text{ref}}$ (W/cm <sup>2</sup> )                      | 622    |        |        |        |
|                              | $f_{\text{ref}}$ at $z_{\text{ref}}$ or $z_{\text{ref}}$ (mW/cm <sup>2</sup> ) | 524    |        |        |        |
|                              | $f_{\text{ref}}$ at $z_{\text{ref}}$ or $z_{\text{ref}}$ (mW/cm <sup>2</sup> ) | 1058   |        |        |        |
|                              | $P_{\text{ref}}$ at $z_{\text{ref}}$ (MPa)                                     | 4.1    |        |        |        |
| Operating Control Conditions | PW%                                                                            | 100    | 100    | 100    | 100    |
|                              | TS Mode                                                                        | M/Flow | M/Flow | M/Flow | M/Flow |
|                              | Wave Mode                                                                      | n/a    | n/a    | n/a    | n/a    |
|                              | Frequency (B)                                                                  | n/a    | n/a    | n/a    | n/a    |
|                              | Focus (B)                                                                      | n/a    | n/a    | n/a    | n/a    |
| Other Information            | Range                                                                          | (cm)   | 21.0   | 3.5    | 4.0    |
|                              | PRF Limit                                                                      | n/a    | n/a    | n/a    | n/a    |
|                              | Line Density                                                                   | n/a    | n/a    | n/a    | n/a    |
|                              | Flow Mode                                                                      | Flow   | Flow   | Flow   | Flow   |
|                              | Ref. Frequency (Color)                                                         | Reno   | Reno   | Reno   | Reno   |
| Flow Area Lock               | Flow% (Color)                                                                  | F4     | F7     | F2     | F1     |
|                              | Color Velocity Range                                                           | (cm/s) | 16.60  | 28.46  | 72.44  |
|                              | Packet Size                                                                    | n/a    | n/a    | n/a    | n/a    |
|                              | Flow Area Depth                                                                | (cm)   | 21.0   | 21.0   | 21.0   |
|                              | Color Line Density                                                             | n/a    | n/a    | n/a    | n/a    |
| High PRF                     | TS Mode                                                                        | n/a    | n/a    | n/a    | n/a    |
|                              | Ref. Frequency (D)                                                             | n/a    | n/a    | n/a    | n/a    |
|                              | Focus (D)                                                                      | n/a    | n/a    | n/a    | n/a    |
|                              | Doppler Velocity Range                                                         | (cm/s) | n/a    | n/a    | n/a    |
|                              | Sample gate size                                                               | (cm)   | n/a    | n/a    | n/a    |
| Sample gate size             | Sample gate size                                                               | (cm)   | n/a    | n/a    | n/a    |
|                              | Sample gate size                                                               | (cm)   | n/a    | n/a    | n/a    |
|                              | Sample gate size                                                               | (cm)   | n/a    | n/a    | n/a    |
|                              | Triplex Frame Rate                                                             | n/a    | n/a    | n/a    | n/a    |
|                              | Triplex VIL Range                                                              | n/a    | n/a    | n/a    | n/a    |
| Flow Area Lock               | Flow Area Lock                                                                 | n/a    | n/a    | n/a    | n/a    |
|                              | Flow Area Lock                                                                 | n/a    | n/a    | n/a    | n/a    |
|                              | Flow Area Lock                                                                 | n/a    | n/a    | n/a    | n/a    |
|                              | Flow Area Lock                                                                 | n/a    | n/a    | n/a    | n/a    |
|                              | Flow Area Lock                                                                 | n/a    | n/a    | n/a    | n/a    |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TT.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or nonmedical cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TT, or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P$                         | 25.00% |  |
| $I_{\text{ref}}$            | 37.14% |  |
| $P_{\text{ref}}$            | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MI               | 20% or 0.2, whichever larger |  |
| TT               | 40% or 0.4, whichever larger |  |



Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model       |  | C41V1 |            | MODE          |            | B+Caler/D-mode |               |
|------------------------|--|-------|------------|---------------|------------|----------------|---------------|
| Index Label            |  | MT    | TTS        | TIB           | TTC        |                |               |
| Maximum Index Value    |  | 1.4   |            |               |            |                |               |
| Index Component Value  |  |       | at surface | below surface | at surface | below surface  |               |
| $P_{ref}$              |  |       | 0.73       | 0.49          | 0.68       | 1.9            |               |
| $P$                    |  |       |            |               |            |                |               |
| Acoustic Parameters    |  |       |            |               |            |                |               |
| $P_{ref}$              |  |       | 31         |               |            | 29             | 29            |
| $P_{ref}$              |  |       | 31         |               |            | 29             |               |
| $Z_{ref}$              |  |       |            | 1.3           |            |                | 0.70          |
| $Z_{ref}$              |  |       |            |               |            |                |               |
| $Z_{ref}$              |  |       | 2.1        |               |            |                |               |
| $Z_{ref}$              |  |       | 2.1        |               |            |                |               |
| $f_{ref}$              |  |       | C4.97      |               |            |                | B-5.4,C-3,D-5 |
| $f_{ref}$              |  |       |            |               |            |                |               |
| $f_{ref}$              |  |       | 803        |               |            |                |               |
| $f_{ref}$              |  |       |            |               |            |                |               |
| Other Information      |  |       | B-1, C-9   |               |            |                |               |
| $f_{ref}$              |  |       | 827        |               |            |                |               |
| $f_{ref}$              |  |       | 96         |               |            |                |               |
| $f_{ref}$              |  |       | 110        |               |            |                |               |
| $P_{ref}$              |  |       | 4.3        |               |            |                |               |
| Operating Conditions   |  |       |            |               |            |                |               |
| Tx Mode                |  |       | B/Plane/Pw |               |            |                |               |
| Wave Mode              |  |       | FND        |               |            |                |               |
| Frequency (B)          |  |       | Ref.       |               |            |                |               |
| Focus (B)              |  |       | F4         |               |            |                |               |
| Scan (B)               |  |       | 100        |               |            |                |               |
| Range                  |  |       | 21.0       |               |            |                |               |
| PRF Limit              |  |       | ON         |               |            |                |               |
| Line Density           |  |       | Flow       |               |            |                |               |
| Flow Mode              |  |       | Flow       |               |            |                |               |
| Ref. Frequency (Color) |  |       | Ref.       |               |            |                |               |
| Flow (Color)           |  |       | 100        |               |            |                |               |
| Color Velocity Range   |  |       | 28.46      |               |            |                |               |
| Pulse Rate             |  |       | Low        |               |            |                |               |
| Flow Area Depth        |  |       | 21.0       |               |            |                |               |
| Color Line Density     |  |       | 1          |               |            |                |               |
| Flow Mode              |  |       | PW         |               |            |                |               |
| High PRF               |  |       | OFF        |               |            |                |               |
| Ref. Frequency (D)     |  |       | Flow       |               |            |                |               |
| Focus (D)              |  |       | F1         |               |            |                |               |
| Doppler Velocity Range |  |       | 6.23       |               |            |                |               |
| Sample gate size       |  |       | 0.1        |               |            |                |               |
| Sample gate depth      |  |       | 0.2        |               |            |                |               |
| Thickens Frame Rate    |  |       | Medium     |               |            |                |               |
| Thickens VHL Range     |  |       | B/Fix      |               |            |                |               |
| Flow Area Lock         |  |       | OFF        |               |            |                |               |

NOTE 1 Only use these tags for all data below surface both in the columns related to TTS or TIB.

NOTE 2 Data should be provided for all data below surface both in the columns related to TTS or TIB.

NOTE 3 Information should not be provided regarding TTS for any TRANSDUCER ASSURANCE not intended for transducer or nontransducer applications.

NOTE 4 If the measurements of 201.12.4.20 are not, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the measurements of 201.12.4.20 are not, it is not required to enter any data in the columns related to MT.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating cell section.

NOTE 1: Only use for the following values

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

C41V1

MODE

B+Color-mode

| Index Label                  |                        | MT                    | TTS        |               | TIB        |               | TTC        |
|------------------------------|------------------------|-----------------------|------------|---------------|------------|---------------|------------|
| Maximum Index Value          |                        | 1.4                   | at surface | below surface | at surface | below surface |            |
| Index Component Value        |                        |                       | 0.80       | 0.80          | 0.80       | 0.80          | 1.0        |
| Acoustic Parameters          | $P_{ref}$              | (MPa)                 |            |               |            |               |            |
|                              | $P$                    | (mW)                  |            |               |            |               |            |
|                              | $P_{10}$               | (mW)                  | 35         | 35            | 35         | 35            | 35         |
|                              | $Z_{ref}$              | (cm)                  |            |               |            |               |            |
|                              | $Z_{ref}$              | (cm)                  |            | -             |            |               |            |
|                              | $Z_{ref}$              | (cm)                  | 2.1        |               |            |               |            |
| Other Information            | $Z_{ref}$              | (cm)                  | 2.1        |               |            |               |            |
|                              | $f_{ref}$              | (MHz)                 | C4.97      |               |            |               |            |
|                              | $f_{ref}$              | (Hz)                  | 2340       |               |            |               |            |
|                              | $f_{ref}$              | (Hz)                  | B-1, C-9   |               |            |               |            |
|                              | $n_{ref}$              | (W/cm <sup>2</sup> )  | 622        |               |            |               |            |
|                              | $f_{ref}$              | (mW/cm <sup>2</sup> ) | 8.3        |               |            |               |            |
|                              | $f_{ref}$              | (mW/cm <sup>2</sup> ) | 16         |               |            |               |            |
|                              | $P_{ref}$              | (MPa)                 | 4.1        |               |            |               |            |
|                              | PWR%                   | (%)                   | 100        | 100           | 100        | 100           | 100        |
|                              | Trs Mode               | B/Plane/Pw            | FND        | FND           | FND        | FND           | B/Plane/Pw |
| Operating Control Conditions | Wave Mode              | FND                   | FND        | FND           | FND        | FND           | FND        |
|                              | Frequency (B)          | Sol                   | Reno       | Reno          | Reno       | Reno          | Reno       |
|                              | Focus (B)              | F1                    | F2         | F2            | F2         | F2            | F2         |
|                              | Scan (B)               | 100                   | 25         | 25            | 25         | 25            | 25         |
|                              | Range                  | (cm)                  | 21.0       | 3.5           | 3.5        | 3.5           | 3.5        |
|                              | PRF Limit              | ON                    | OFF        | OFF           | OFF        | OFF           | OFF        |
|                              | Line Density           | Low                   | High       | High          | High       | High          | High       |
|                              | Flow Mode              | Flow                  | Flow       | Flow          | Flow       | Flow          | Flow       |
|                              | Ref. Frequency (Color) | Reno                  | Reno       | Reno          | Reno       | Reno          | Reno       |
|                              | Focus (Color)          | F4                    | F1         | F1            | F1         | F1            | F1         |
| Flow Parameters              | Flow (Color)           | 100                   | 15         | 15            | 15         | 15            | 15         |
|                              | Color Velocity Range   | (cm/s)                | 72.44      | 72.44         | 72.44      | 72.44         | 72.44      |
|                              | Pulse Size             | Low                   | High       | High          | High       | High          | High       |
|                              | Flow Area Depth        | (cm)                  | 21.0       | 3.5           | 3.5        | 3.5           | 3.5        |
|                              | Color Line Density     |                       | 1          | 3             | 3          | 3             | 3          |
|                              | Pw Mode                | n/a                   | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | High PRF               | n/a                   | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Ref. Frequency (D)     | n/a                   | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Focus (D)              | n/a                   | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Doppler Velocity Range | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a        |
| Flow Area Lock               | Sample gate size       | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Sample gate depth      | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Thickens Frame Rate    | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Thickens VHL Range     |                       | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Flow Area Lock         |                       | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Flow Area Lock         |                       | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Flow Area Lock         |                       | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Flow Area Lock         |                       | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Flow Area Lock         |                       | n/a        | n/a           | n/a        | n/a           | n/a        |
|                              | Flow Area Lock         |                       | n/a        | n/a           | n/a        | n/a           | n/a        |

NOTE 1: Only use operating conditions per Index  
NOTE 2: Does not include B+Color-mode and below surface both in the columns related to TTS or TR.  
NOTE 3: Information not to be provided regardless TCI for any TRANSDUCER ASSEMBLY and should be transmitted or received separately from.  
NOTE 4: If the implementation of 2017.12.4.2a) are met, it is not required to enter any data in the columns related to TTS, TR or TTC.  
NOTE 5: If the implementation of 2017.12.4.2b) are met, it is not required to enter any data in the columns related to MT.  
NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating TR section.

NOTE 1: Only use for the following values

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |





Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model          | C41B                  |  |  |  | MODE |  |  |  | B/M-Mode |  |  |  |
|---------------------------|-----------------------|--|--|--|------|--|--|--|----------|--|--|--|
|                           | Index Label           |  |  |  | MT   |  |  |  | TIS      |  |  |  |
| Index Component Value     |                       |  |  |  |      |  |  |  |          |  |  |  |
|                           |                       |  |  |  |      |  |  |  |          |  |  |  |
| Maximum Index Value       |                       |  |  |  | 1.3  |  |  |  | 0.61     |  |  |  |
| Index Component Value     |                       |  |  |  |      |  |  |  |          |  |  |  |
| $P_{\text{avg}}$          | (MPa)                 |  |  |  | 3.0  |  |  |  | 27       |  |  |  |
| $P_{\text{1st}}$          | (mW)                  |  |  |  |      |  |  |  | 25       |  |  |  |
| $Z_s$                     | (cm)                  |  |  |  |      |  |  |  | 0.84     |  |  |  |
| $Z_s$                     | (cm)                  |  |  |  |      |  |  |  | 0.84     |  |  |  |
| $Z_{\text{avg}}$          | (cm)                  |  |  |  | 2.4  |  |  |  |          |  |  |  |
| $Z_{\text{1st}}$          | (cm)                  |  |  |  | 2.4  |  |  |  |          |  |  |  |
| $f_{\text{avg}}$          | (MHz)                 |  |  |  | 5.0  |  |  |  | 5.4      |  |  |  |
| $f_{\text{1st}}$          | (MHz)                 |  |  |  | 2527 |  |  |  |          |  |  |  |
| $f_{\text{1st}}$          | (Hz)                  |  |  |  | 26   |  |  |  |          |  |  |  |
| $f_{\text{1st}}$          | (Hz)                  |  |  |  | 1.0  |  |  |  |          |  |  |  |
| $f_{\text{1st}}$          | (W/cm <sup>2</sup> )  |  |  |  | 827  |  |  |  |          |  |  |  |
| $f_{\text{1st}}$          | (mW/cm <sup>2</sup> ) |  |  |  | 110  |  |  |  |          |  |  |  |
| $f_{\text{1st}}$          | (mW/cm <sup>2</sup> ) |  |  |  | 245  |  |  |  |          |  |  |  |
| $P_1$ at $f_{\text{1st}}$ | (MPa)                 |  |  |  | 4.3  |  |  |  |          |  |  |  |
| PWR%                      | (%)                   |  |  |  | 100  |  |  |  | 100      |  |  |  |
| Tx Mode                   | B/M                   |  |  |  | B/M  |  |  |  | B/M      |  |  |  |
| Wave Mode                 | FND                   |  |  |  | FND  |  |  |  | FND      |  |  |  |
| Frequency (B)             | Std                   |  |  |  | Std  |  |  |  | Std      |  |  |  |
| Focus (B)                 | F4                    |  |  |  | F4   |  |  |  | F4       |  |  |  |
| Scan (B)                  | F2                    |  |  |  | F2   |  |  |  | F2       |  |  |  |
| Scan (B)                  | F2                    |  |  |  | F2   |  |  |  | F2       |  |  |  |
| Range                     | (cm)                  |  |  |  | 2.5  |  |  |  | 2.5      |  |  |  |
| PRF Limit                 | ON                    |  |  |  | ON   |  |  |  | ON       |  |  |  |
| Line Density              | Low                   |  |  |  | Low  |  |  |  | Low      |  |  |  |
| Flow Mode                 | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Ref. Frequency (Color)    | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Focus (Color)             | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Flow's (Color)            | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Color Velocity Range      | (cm/s)                |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Packet Size               | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Flow Area Depth           | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Color Line Density        | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Flow Mode                 | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| High PRF                  | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Ref. Frequency (D)        | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Focus (D)                 | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Doppler Velocity Range    | (cm/s)                |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Sample gate size          | (cm)                  |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Sample gate depth         | (cm)                  |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Triplets Frame Rate       | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Triplets VEL Range        | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |
| Flow Area Lock            | n/a                   |  |  |  | n/a  |  |  |  | n/a      |  |  |  |

NOTE 1. Only one operating condition per Index.

NOTE 2. Data should be entered for at surface and below surface both in the columns related to TIS or TIL.

NOTE 3. Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4. If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5. If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6. "-" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{\text{1st}}$            | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                                         | C41B       |     | MODE |     |      |     | B-Mode  |     |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------|-----|------|-----|------|-----|---------|-----|--|--|
| Index Label                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                                         | MT         |     | TIS  |     | TIB  |     | TTC     |     |  |  |
| Maximum Index Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                         | 1.3        |     | 0.64 |     | 0.64 |     | 0.73    |     |  |  |
| Index Component Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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                                                                                         |            |     | 0.64 |     | 0.64 |     |         |     |  |  |
| Acoustic Parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | $P_{avg}$                                                                                               | (MPa)      |     | 3.0  |     |      |     |         |     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                         | (mW)       |     |      |     | 28   |     | 30      |     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                         | (cm)       |     |      |     | 26   |     |         |     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                         | (cm)       |     |      |     |      |     | 0.84    |     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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$f_{PRF}$ or $f_{PRF}$                                                                     | (mW/cm²)   |     | 4.5  |     |      |     |         |     |  |  |
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$f_{PRF}$ or $f_{PRF}$                                                                     | (mW/cm²)   |     | 9.2  |     |      |     |         |     |  |  |
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not to be used for at surface and below surface both in the columns related to TIS or TIB. |            |     |      |     |      |     |         |     |  |  |
| NOTE 3: Information not provided regarding TIC for any TRANSDUCER ASSEMBLY. Not intended for transponders or non-cylindrical capillary tubes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| NOTE 4: If the requirement of 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Данные по акустической мощности

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ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amc.1)

| Transducer Model      |  | C41B |  | MODE       |  | PWD-Mode      |  |            |  |
|-----------------------|--|------|--|------------|--|---------------|--|------------|--|
| Index Label           |  | MI   |  | TTS        |  | T7B           |  | T7C        |  |
| Maximum Index Value   |  | 1.4  |  | 0.73       |  | 2.0           |  | 1.6        |  |
| Index Component Value |  |      |  | at surface |  | below surface |  | at surface |  |
|                       |  |      |  | 0.73       |  | 0.47          |  | 0.69       |  |
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|                       |  |      |  |            |  |               |  |            |  |
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|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |
|                       |  |      |  |            |  |               |  |            |  |



Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model             | C41B                                 |                       |        | MODE       |               |      | BPPVD-mode |               |            |
|------------------------------|--------------------------------------|-----------------------|--------|------------|---------------|------|------------|---------------|------------|
|                              | Index Label                          | MI                    | TIS    | at surface | below surface | TIB  | at surface | below surface | TIC        |
| Maximum Index Value          |                                      | 1.4                   | 0.73   | 0.73       | 0.49          | 0.67 | 2.0        | 2.0           | 1.6        |
|                              | Index Component Value                |                       |        |            |               |      |            |               |            |
| Acoustic Parameters          | $P_{rms}$                            | (MPa)                 | 3.1    |            | 33            |      | 28         |               | 28         |
|                              | $P_{1st}$                            | (mW)                  |        |            | 31            |      | 28         |               |            |
|                              | $z_s$                                | (cm)                  |        |            | 1.4           |      |            |               |            |
|                              | $z_b$                                | (cm)                  |        |            |               |      | 0.70       |               |            |
|                              | $z_{avg}$                            | (cm)                  | 2.1    |            |               |      |            |               |            |
|                              | $z_{pld}$                            | (cm)                  | 2.1    |            |               |      |            |               |            |
|                              | $f_{ref}$                            | (MHz)                 | D=4.98 |            |               |      | B=5.7, D=5 |               | B=5.7, D=5 |
| Other Information            | $f_{PR}$                             | (Hz)                  | 1524   |            |               |      |            |               |            |
|                              | $f_{PR}$                             | (Hz)                  | 7.4    |            |               |      |            |               |            |
|                              | $f_{PR}$                             | (Hz)                  | 2.0    |            |               |      |            |               |            |
|                              | $I_{meas}$ at $z_{pld}$              | (W/cm <sup>2</sup> )  | 614    |            |               |      |            |               |            |
|                              | $I_{meas}$ at $z_{pld}$ or $z_{avg}$ | (mW/cm <sup>2</sup> ) | 428    |            |               |      |            |               |            |
|                              | $I_{meas}$ at $z_{pld}$ or $z_{avg}$ | (mW/cm <sup>2</sup> ) | 870    |            |               |      |            |               |            |
|                              | $P_1$ at $z_{pld}$                   | (MPa)                 | 4.2    |            |               |      |            |               |            |
|                              | PRF%                                 | (%)                   | 100    |            |               |      |            |               | 100        |
|                              | TS Mode                              |                       | BPW    |            |               |      | BPW        |               | BPW        |
|                              | Wave Mode                            |                       | FND    |            |               |      | FND        |               | FND        |
| Operating Control Conditions | Frequency (B)                        |                       | Std    |            |               |      | Rms        |               | Rms        |
|                              | Focus (B)                            |                       | F1     |            |               |      | F2         |               | F5         |
|                              | Scan% (B)                            | (%)                   | 25     |            |               |      | 25         |               | 25         |
|                              | Range                                | (cm)                  | 21.0   |            |               |      | 17.0       |               | 6.0        |
|                              | PRF Limit                            |                       | OFF    |            |               |      | OFF        |               | OFF        |
|                              | Line Density                         |                       | High   |            |               |      | High       |               | Low        |
|                              | Flow Mode                            |                       | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Ref. Frequency (Color)               |                       | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Flow% (Color)                        | (%)                   | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Color Velocity Range                 | (cm/s)                | n/a    |            |               |      | n/a        |               | n/a        |
| Paclet Size                  | Paclet Size                          | (cm)                  | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Flow Area Depth                      | (cm)                  | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Color Line Density                   |                       | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Flow Mode                            |                       | PW     |            |               |      | PW         |               | PW         |
|                              | High PRF                             |                       | OFF    |            |               |      | OFF        |               | OFF        |
|                              | Ref. Frequency (D)                   |                       | Rms    |            |               |      | Rms        |               | F1         |
|                              | Flow% (D)                            | (%)                   | 9.96   |            |               |      | 9.96       |               | 28.46      |
|                              | Doppler Velocity Range               | (cm/s)                | 0.1    |            |               |      | 0.1        |               | 0.1        |
|                              | Sample gate size                     | (cm)                  | 1.6    |            |               |      | 6.4        |               | 0.0        |
|                              | Sample gate depth                    | (cm)                  | 1.6    |            |               |      | 6.4        |               | 0.0        |
| Triple Prime Rate            | Triple Prime Rate                    |                       | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Triple Prime Rate                    |                       | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Triple Prime Rate                    |                       | n/a    |            |               |      | n/a        |               | n/a        |
| Flow Area Lock               | Flow Area Lock                       |                       | n/a    |            |               |      | n/a        |               | n/a        |
|                              | Flow Area Lock                       |                       | n/a    |            |               |      | n/a        |               | n/a        |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for measurement or reported capital use.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |  |        |
|-----------------------------|--|--------|
| $P$                         |  | 25.00% |
| $I_{meas}$                  |  | 37.14% |
| $P_1$                       |  | 18.75% |

| Display accuracy |  |                              |
|------------------|--|------------------------------|
| MI               |  | 20% or 0.2, whichever larger |
| TI               |  | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model             | C41B                                 |                       |        | MODE       |               |      | M+Color-mode |               |        |
|------------------------------|--------------------------------------|-----------------------|--------|------------|---------------|------|--------------|---------------|--------|
|                              | Index Label                          | MI                    | TIS    | at surface | below surface | TIB  | at surface   | below surface | TIC    |
| Maximum Index Value          |                                      | 1.4                   | 0.68   | 0.68       | 0.45          | 0.64 | 1.9          | 1.9           | 1.6    |
|                              | Index Component Value                |                       |        |            |               |      |              |               |        |
| Acoustic Parameters          | $P_{rms}$                            | (MPa)                 | 3.1    |            | 31            |      | 27           |               | 27     |
|                              | $P_{1st}$                            | (mW)                  |        |            | 29            |      | 27           |               |        |
|                              | $z_s$                                | (cm)                  |        |            | 1.4           |      |              |               |        |
|                              | $z_b$                                | (cm)                  |        |            |               |      | 0.70         |               |        |
|                              | $z_{avg}$                            | (cm)                  | 2.1    |            |               |      |              |               |        |
|                              | $z_{pld}$                            | (cm)                  | 2.1    |            |               |      |              |               |        |
|                              | $f_{ref}$                            | (MHz)                 | 5.0    |            |               |      | 4.9          |               | 5.0    |
| Other Information            | $f_{PR}$                             | (Hz)                  | 1628   |            |               |      |              |               |        |
|                              | $f_{PR}$                             | (Hz)                  | -      |            |               |      |              |               |        |
|                              | $f_{PR}$                             | (Hz)                  | -      |            |               |      |              |               |        |
|                              | $I_{meas}$ at $z_{pld}$              | (W/cm <sup>2</sup> )  | 622    |            |               |      |              |               |        |
|                              | $I_{meas}$ at $z_{pld}$ or $z_{avg}$ | (mW/cm <sup>2</sup> ) | 524    |            |               |      |              |               |        |
|                              | $I_{meas}$ at $z_{pld}$ or $z_{avg}$ | (mW/cm <sup>2</sup> ) | 1058   |            |               |      |              |               |        |
|                              | $P_1$ at $z_{pld}$                   | (MPa)                 | 4.1    |            |               |      |              |               |        |
|                              | PRF%                                 | (%)                   | 100    |            |               |      | 100          |               | 100    |
|                              | TS Mode                              |                       | MPFlow |            |               |      | MPFlow       |               | MPFlow |
|                              | Wave Mode                            |                       | n/a    |            |               |      | n/a          |               | n/a    |
| Operating Control Conditions | Frequency (B)                        |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Focus (B)                            |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Scan% (B)                            | (%)                   | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Range                                | (cm)                  | 21.0   |            |               |      | 3.5          |               | 4.0    |
|                              | PRF Limit                            |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Line Density                         |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Flow Mode                            |                       | Flow   |            |               |      | Flow         |               | Flow   |
|                              | Ref. Frequency (Color)               |                       | Rms    |            |               |      | Rms          |               | Rms    |
|                              | Flow% (Color)                        | (%)                   | 74     |            |               |      | 77           |               | 77     |
|                              | Color Velocity Range                 | (cm/s)                | 12.45  |            |               |      | 28.46        |               | 72.44  |
| Paclet Size                  | Paclet Size                          | (cm)                  | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Flow Area Depth                      | (cm)                  | 21.0   |            |               |      | 21.0         |               | 21.0   |
|                              | Color Line Density                   |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Flow Mode                            |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | High PRF                             |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Ref. Frequency (D)                   |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Flow% (D)                            | (%)                   | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Doppler Velocity Range               | (cm/s)                | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Sample gate size                     | (cm)                  | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Sample gate depth                    | (cm)                  | n/a    |            |               |      | n/a          |               | n/a    |
| Triple Prime Rate            | Triple Prime Rate                    |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Triple Prime Rate                    |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Triple Prime Rate                    |                       | n/a    |            |               |      | n/a          |               | n/a    |
| Flow Area Lock               | Flow Area Lock                       |                       | n/a    |            |               |      | n/a          |               | n/a    |
|                              | Flow Area Lock                       |                       | n/a    |            |               |      | n/a          |               | n/a    |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for measurement or reported capital use.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |  |        |
|-----------------------------|--|--------|
| $P$                         |  | 25.00% |
| $I_{meas}$                  |  | 37.14% |
| $P_1$                       |  | 18.75% |

| Display accuracy |  |                              |
|------------------|--|------------------------------|
| MI               |  | 20% or 0.2, whichever larger |
| TI               |  | 40% or 0.4, whichever larger |



Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

Convex

C4IRP

Acoustic power is controllable by the user.

| parameter                        | Mode     | B <sub>p</sub> | B <sub>max</sub> | M <sub>p</sub> | M <sub>max</sub> | D <sub>p</sub> | D <sub>max</sub> | (B+D) <sub>p</sub> | (B+D) <sub>max</sub> | (B+Color)p | (B+Color) <sub>max</sub> | (B+Color+D)p | (B+Color+D) <sub>max</sub> |
|----------------------------------|----------|----------------|------------------|----------------|------------------|----------------|------------------|--------------------|----------------------|------------|--------------------------|--------------|----------------------------|
| Maximum power                    | (mW)     | 7.4            | 14               | 2.9            | 3.5              | 5.0            | 15               | 2.2                | 16                   | 2.8        | 16                       | 1.8          | 16                         |
| p <sub>r</sub>                   | (MPa)    | 2.2            | 2.0              | 2.2            | 2.0              | 2.0            | 1.6              | 2.2                | 1.9                  | 2.2        | 1.6                      | 2.2          | 1.3                        |
| I <sub>a</sub>                   | (mW/cm²) | 16             | 40               | 6.3            | 7.7              | 17             | 52               | 14                 | 54                   | 17         | 59                       | 15           | 56                         |
| I <sub>max</sub>                 | (mW/cm²) | 2.3            | 25               | 85             | 100              | 159            | 486              | 26                 | 480                  | 0.92       | 53                       | 29           | 460                        |
| PRF%                             | (%)      | 100            | 100              | 100            | 100              | 100            | 100              | 100                | 100                  | 100        | 100                      | 100          | 100                        |
| Tx Mode                          |          | B              | B                | M              | M                | Pw             | Pw               | BPw                | BPw                  | BPw        | BPw                      | BPw          | BPw                        |
| Wave Mode                        |          | FND            | FND              | FND            | FND              | n/a            | n/a              | FND                | FND                  | FND        | FND                      | FND          | FND                        |
| Frequency (B)                    |          | Raso           | Raso             | Raso           | Raso             | n/a            | n/a              | Raso               | Raso                 | Raso       | Raso                     | Raso         | Raso                       |
| Focus (B)                        |          | F4             | F4               | F4             | F4               | n/a            | n/a              | F4                 | F4                   | F4         | F4                       | F4           | F4                         |
| Scan% (B)                        | (%)      | 100            | 25               | 17.0           | 17.0             | n/a            | n/a              | 100                | 25                   | 100        | 25                       | 100          | 26                         |
| Range                            | (cm)     | 17.0           | 4.0              | 17.0           | 17.0             | n/a            | n/a              | 17.0               | 4.0                  | 17.0       | 4.0                      | 17.0         | 4.5                        |
| PRF Limit                        |          | ON             | OFF              | n/a            | n/a              | n/a            | n/a              | ON                 | OFF                  | ON         | OFF                      | ON           | OFF                        |
| Line Density                     |          | Low            | High             | n/a            | n/a              | n/a            | n/a              | Low                | High                 | Low        | High                     | Low          | Medium                     |
| Flow Mode                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Ref. Frequency (Color)           |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Flow% (Color)                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Color Velocity Range             | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Packet Size                      | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Flow Area Depth                  |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Color Line Density               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Pw Mode                          |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| High PRF                         |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Ref. Frequency (D)               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Focus (D)                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Triplex Frame Rate               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Triplex VLL Range                |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Flow Area Lock                   |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| F <sub>0</sub>                   | (mm)     | 31             | 22               | 31             | 30               | 23             | 23               | 31                 | 23                   | 31         | 24                       | 31           | 23                         |
| w <sub>0d</sub>                  | (f)      | 1.6            | 1.6              | 1.6            | 1.8              | 2.0            | 2.0              | 1.6                | 2.0                  | 1.6        | 2.0                      | 1.6          | 2.0                        |
| arr (PRF)                        | (L)      | 1.8            | 1.8              | 1.8            | 2.0              | 2.0            | 2.0              | 1.8                | 2.0                  | 1.8        | 2.0                      | 1.8          | 2.0                        |
| arr (SRF)                        | (Hz)     | 41             | 244              | 1003           | 1002             | 814            | 3720             | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| n <sub>0</sub>                   | (Hz)     | 1.0            | 1.0              | n/a            | n/a              | n/a            | n/a              | 4.6                | 21                   | 10         | 26                       | 0.76         | 9.7                        |
| n <sub>0</sub>                   | (Hz)     | 63             | 31               | n/a            | n/a              | n/a            | n/a              | 1.0                | 1.0                  | n/a        | n/a                      | n/a          | n/a                        |
| Output beam dimensions           | (f)      | 8.0            | 6.0              | 8.0            | 8.0              | 5.2            | 5.2              | 8.0                | 5.2                  | 8.0        | 5.2                      | 8.0          | 5.2                        |
| f <sub>0d</sub>                  | (MHz)    | 6.2            | 5.1              | 6.2            | 5.1              | 5.0            | 5.0              | 6.2                | 5.1                  | 6.2        | 5.1                      | 6.2          | 5.0                        |
| Acoustic Power-up Fraction       | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Power-up mode                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Acoustic Initialization Fraction | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Initialization mode              |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a                | n/a                  | n/a        | n/a                      | n/a          | n/a                        |
| Acoustic output stream           |          | Yes            | Yes              | Yes            | Yes              | Yes            | Yes              | Yes                | Yes                  | Yes        | Yes                      | Yes          | Yes                        |
| F <sub>0</sub>                   | (mm)     | 1.0            | 1.0              | 1.0            | 1.0              | 1.0            | 1.0              | 1.0                | 1.0                  | 1.0        | 1.0                      | 1.0          | 1.0                        |
| Inclusive modes                  |          | contact        | contact          | contact        | contact          | contact        | contact          | contact            | contact              | contact    | contact                  | contact      | contact                    |



Данные по акустической мощности

168 / MN1-8464RU ред. 6



ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

Transducer Model

C41RP

MODE

B/N-Mode

| Transducer Model     | Index Label            | MI     | TIS        |               |  | TIB        |               |  | TTC  |
|----------------------|------------------------|--------|------------|---------------|--|------------|---------------|--|------|
|                      |                        |        | at surface | below surface |  | at surface | below surface |  |      |
| C41RP                | Maximum Index Value    | 0.66   | 0.30       | 0.30          |  | 0.30       | 0.35          |  | 0.35 |
|                      | Index Component Value  |        |            |               |  |            |               |  |      |
|                      | $P_{ref}$ (MPa)        | 1.4    |            |               |  |            |               |  |      |
|                      | $P_{ref}$ (mW)         |        |            |               |  |            |               |  |      |
|                      | $P_{ref}$ (mW)         |        |            |               |  |            |               |  |      |
| Acoustic Parameters  | $z_{ref}$ (cm)         |        |            |               |  |            |               |  |      |
|                      | $z_{ref}$ (cm)         |        |            |               |  |            |               |  |      |
|                      | $z_{ref}$ (cm)         |        |            |               |  |            |               |  |      |
|                      | $z_{ref}$ (cm)         |        |            |               |  |            |               |  |      |
|                      | $z_{ref}$ (cm)         |        |            |               |  |            |               |  |      |
| Other Information    | $f_{ref}$ (MHz)        | 4.3    |            |               |  |            |               |  |      |
|                      | $f_{ref}$ (Hz)         | 2923   |            |               |  |            |               |  |      |
|                      | $f_{ref}$ (Hz)         | 38     |            |               |  |            |               |  |      |
|                      | $f_{ref}$ (W/cm²)      | 105    |            |               |  |            |               |  |      |
|                      | $f_{ref}$ (mW/cm²)     | 19     |            |               |  |            |               |  |      |
| Operating Conditions | $f_{ref}$ (mW/cm²)     | 32     |            |               |  |            |               |  |      |
|                      | $f_{ref}$ (MPa)        | 1.7    |            |               |  |            |               |  |      |
|                      | PRF%                   | 100    |            |               |  |            |               |  |      |
|                      | Wave Mode              | B/N    |            |               |  |            |               |  |      |
|                      | Wave Mode              | PND    |            |               |  |            |               |  |      |
| Flow Area Lock       | Frequency (B)          | Preset |            |               |  |            |               |  |      |
|                      | Focus (B)              | F3     |            |               |  |            |               |  |      |
|                      | Focus (B)              | F3     |            |               |  |            |               |  |      |
|                      | Focus (B)              | F3     |            |               |  |            |               |  |      |
|                      | Scan% (B)              | 100    |            |               |  |            |               |  |      |
| Flow Mode            | Range                  | 17.0   |            |               |  |            |               |  |      |
|                      | PRF Limit              | ON     |            |               |  |            |               |  |      |
|                      | Line Density           | Low    |            |               |  |            |               |  |      |
|                      | Flow Mode              | n/a    |            |               |  |            |               |  |      |
|                      | Ref. Frequency (Color) | n/a    |            |               |  |            |               |  |      |
| Flow Area Lock       | Focus (Color)          | n/a    |            |               |  |            |               |  |      |
|                      | Flow% (Color)          | n/a    |            |               |  |            |               |  |      |
|                      | Color Velocity Range   | n/a    |            |               |  |            |               |  |      |
|                      | Picket Size            | n/a    |            |               |  |            |               |  |      |
|                      | Flow Area Depth        | n/a    |            |               |  |            |               |  |      |
| Flow Mode            | Color Line Density     | n/a    |            |               |  |            |               |  |      |
|                      | Flow Mode              | n/a    |            |               |  |            |               |  |      |
|                      | High PRF               | n/a    |            |               |  |            |               |  |      |
|                      | Ref. Frequency (D)     | n/a    |            |               |  |            |               |  |      |
|                      | Focus (D)              | n/a    |            |               |  |            |               |  |      |
| Flow Area Lock       | Doppler Velocity Range | n/a    |            |               |  |            |               |  |      |
|                      | Sample gate size       | n/a    |            |               |  |            |               |  |      |
|                      | Sample gate depth      | n/a    |            |               |  |            |               |  |      |
|                      | Triplex Frame Rate     | n/a    |            |               |  |            |               |  |      |
|                      | Triplex VFL Range      | n/a    |            |               |  |            |               |  |      |
| Flow Area Lock       | Flow Area Lock         | n/a    |            |               |  |            |               |  |      |
|                      | Flow Area Lock         | n/a    |            |               |  |            |               |  |      |
|                      | Flow Area Lock         | n/a    |            |               |  |            |               |  |      |
|                      | Flow Area Lock         | n/a    |            |               |  |            |               |  |      |
|                      | Flow Area Lock         | n/a    |            |               |  |            |               |  |      |

NOTE 1: Only use these values for flow below

NOTE 2: Data should be used for surface and below surface both in the columns related to TIS or TIB

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for piezoelectric or resonant capacitive uses.

NOTE 4: If the requirements of 2017.12.4.20 are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5: If the requirements of 2017.12.4.20 are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the value has to be entered in the operating cell section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{ref}}$            | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model       | C41RP          | Index Label   | MI   | MODE |      |      | TTC  |
|------------------------|----------------|---------------|------|------|------|------|------|
|                        |                |               |      | TIS  |      | TIB  |      |
| Maximum Index Value    |                |               | 0.66 | 0.31 | 0.31 | 0.31 | 0.36 |
| Index Component Value  |                |               |      |      |      |      |      |
| Acoustic Parameters    | $P_{ref}$      | (MPa)         | 1.4  |      |      |      |      |
|                        | $P_{ref}$      | (mW)          |      |      |      |      |      |
|                        | $P_{ref}$      | (cm)          |      |      |      |      |      |
|                        | $z_{ref}$      | (cm)          |      |      |      |      |      |
|                        | $z_{ref}$      | (cm)          | 1.8  |      |      |      |      |
| Other Information      | $f_{ref}$      | (MHz)         | 4.3  |      |      |      |      |
|                        | $f_{ref}$      | (Hz)          | 2583 |      |      |      |      |
|                        | $f_{ref}$      | (Hz)          | 41   |      |      |      |      |
|                        | $f_{ref}$      | (W/cm²)       | 105  |      |      |      |      |
|                        | $f_{ref}$      | (mW/cm²)      | 1.4  |      |      |      |      |
| Operating Conditions   | $f_{ref}$      | (mW/cm²)      | 2.3  |      |      |      |      |
|                        | $f_{ref}$      | (MPa)         | 1.7  |      |      |      |      |
|                        | PRF%           | (%)           | 100  |      |      |      |      |
|                        | Wave Mode      | B             | 100  |      |      |      |      |
|                        | Wave Mode      | PND           | PND  |      |      |      |      |
|                        | Frequency (B)  | Preset        | Sid  |      |      |      |      |
|                        | Focus (B)      | F3            | F2   |      |      |      |      |
|                        | Focus (B)      | F3            | F2   |      |      |      |      |
|                        | Scan% (B)      | 100           | 25   |      |      |      |      |
|                        | Range          | 17.0          | 4.0  |      |      |      |      |
|                        | PRF Limit      | ON            | OFF  |      |      |      |      |
|                        | Line Density   | Low           | High |      |      |      |      |
|                        | Flow Mode      | n/a           | n/a  |      |      |      |      |
|                        | Focus (Color)  | n/a           | n/a  |      |      |      |      |
|                        | Flow Area Lock | Flow% (Color) | (%)  | n/a  |      |      |      |
| Color Velocity Range   |                | (cm/s)        | n/a  |      |      |      |      |
| Picket Size            |                | n/a           | n/a  |      |      |      |      |
| Flow Area Depth        |                | n/a           | n/a  |      |      |      |      |
| Color Line Density     |                | n/a           | n/a  |      |      |      |      |
| Flow Mode              |                | n/a           | n/a  |      |      |      |      |
| High PRF               |                | n/a           | n/a  |      |      |      |      |
| Ref. Frequency (D)     |                | n/a           | n/a  |      |      |      |      |
| Focus (D)              |                | n/a           | n/a  |      |      |      |      |
| Doppler Velocity Range |                | (cm/s)        | n/a  |      |      |      |      |
| Sample gate size       |                | (cm)          | n/a  |      |      |      |      |
| Sample gate depth      |                | (cm)          | n/a  |      |      |      |      |
| Triplex Frame Rate     |                | n/a           | n/a  |      |      |      |      |
| Triplex VFL Range      |                | n/a           | n/a  |      |      |      |      |
| Flow Area Lock         |                | n/a           | n/a  |      |      |      |      |

NOTE 1: Only one operating condition per Index.

NOTE 2: Downward arrow below surface both in the columns related to TIS or TIB.

NOTE 3: Downward arrow below TFC for any TRANSDUCER ASSEMBLY and provided for transducer or manual capsule only.

NOTE 4: If the requirements of 201:12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TFC.

NOTE 5: If the requirements of 201:12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting below the Index has to be entered in the operating trial section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{ref}}$            | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model | C41RP |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or intracranial Doppler uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to ME.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{100}$                   | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model       | C41RP                 | MODE       |               |            |               | M-Mode |
|------------------------|-----------------------|------------|---------------|------------|---------------|--------|
| Index Label            | MT                    | TTS        | TIB           | TTC        |               |        |
| Maximum Index Value    | 0.66                  | at surface | below surface | at surface | below surface |        |
| Index Component Value  |                       | 0.12       | 0.087         | 0.065      | 0.16          |        |
| $P_{100}$              | (MPa)                 | 1.4        |               |            |               |        |
| $P_{101}$              | (mW)                  | 5.7        | 2.6           |            | 5.7           |        |
| $Z_1$                  | (cm)                  | 4.7        | 2.6           |            |               |        |
| $Z_2$                  | (cm)                  |            |               |            | 1.8           |        |
| $Z_{100}$              | (cm)                  |            |               |            |               |        |
| $Z_{101}$              | (cm)                  |            | 1.4           |            |               |        |
| $f_{100}$              | (MHz)                 | 4.3        |               |            |               |        |
| $f_{101}$              | (Hz)                  | 5.3        | 5.1           |            | 5.3           |        |
| $f_{102}$              | (Hz)                  |            |               |            |               |        |
| $f_{103}$              | (W/cm <sup>2</sup> )  |            |               |            |               |        |
| $f_{104}$              | (mW/cm <sup>2</sup> ) |            |               |            |               |        |
| $P_1$ at $f_{100}$     | (MPa)                 | 1.7        |               |            |               |        |
| PRF/N                  | (%)                   | 100        | 100           | 100        | 100           |        |
| Tx Mode                | M                     | M          | M             | M          | M             |        |
| Wave Mode              | PND                   | PND        | PND           | PND        | PND           |        |
| Frequency (B)          | Pnd                   | Sd         | Sd            | Sd         | Sd            |        |
| Focus (B)              | F3                    | F8         | F3            | F3         | F7            |        |
| Search (B)             | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Range                  | (cm)                  | 17.0       | 17.0          | 17.0       | 17.0          |        |
| PRF Limit              | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Line Density           | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Flow Mode              | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Ref. Frequency (Color) | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Focus (Color)          | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Flow% (Color)          | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Color Velocity Range   | (cm/s)                | n/a        | n/a           | n/a        | n/a           |        |
| Packet Size            | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Flow Area Depth        | (cm)                  | n/a        | n/a           | n/a        | n/a           |        |
| Color Line Density     | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Pw Mode                | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| High PRF               | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Ref. Frequency (D)     | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Focus (D)              | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Display Velocity Range | (cm/s)                | n/a        | n/a           | n/a        | n/a           |        |
| Sample gate size       | (cm)                  | n/a        | n/a           | n/a        | n/a           |        |
| Sample gate depth      | (cm)                  | n/a        | n/a           | n/a        | n/a           |        |
| Triplets Frame Rate    | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Triplets VFL Range     | n/a                   | n/a        | n/a           | n/a        | n/a           |        |
| Flow Area Lock         | n/a                   | n/a        | n/a           | n/a        | n/a           |        |

NOTE 1: Only use operating condition per index.

NOTE 2: Data should be entered at all other and below surface both in the columns related to TTS or TIB.

NOTE 3: Data should be entered at all other and below surface both in the columns related to TIB, TIB or TTC.

NOTE 4: If flow search method is not used, it is not required to enter any data in the columns related to TIB, TIB or TTC.

NOTE 5: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 6: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 7: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 8: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 9: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 10: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 11: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 12: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 13: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 14: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 15: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 16: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 17: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 18: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 19: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

NOTE 20: If the implementation of 2017.12.4.20 is not used, it is not required to enter any data in the columns related to M.

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NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or intracranial Doppler uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to ME.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{100}$                   | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |







Данные по акустической мощности

172 / MN1-6464RU ред. 6

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |           | C41RP    |  | MODE          |  |               |  | B+Caler/D-mode |  |
|-----------------------|-----------|----------|--|---------------|--|---------------|--|----------------|--|
| Index Label           |           | MT       |  | TTS           |  | TIB           |  | TTC            |  |
| Maximum Index Value   |           | 0.66     |  | 0.40          |  | 1.0           |  | 0.98           |  |
| Index Component Value |           |          |  | 0.40          |  | 0.37          |  | 1.0            |  |
| Acoustic Parameters   | $P_{ave}$ | (MPa)    |  | 1.4           |  |               |  |                |  |
|                       | $P$       | (mW)     |  | 18            |  | 16            |  | 17             |  |
|                       | $P_{is}$  | (mW)     |  | 17            |  | 16            |  |                |  |
|                       | $z_s$     | (cm)     |  | 1.3           |  |               |  | 0.64           |  |
|                       | $z_{ad}$  | (cm)     |  |               |  |               |  |                |  |
|                       | $z_{ad}$  | (cm)     |  | 1.8           |  |               |  |                |  |
|                       | $z_{ad}$  | (cm)     |  | 1.8           |  |               |  |                |  |
| Other Information     | $f_{ave}$ | (MHz)    |  | B-5.1,C-5,D-5 |  | B-5.1,C-5,D-5 |  | B-5.1,C-5,D-5  |  |
|                       | $f_{ave}$ | (Hz)     |  | 795           |  |               |  |                |  |
|                       | $f_{ave}$ | (Hz)     |  | 0.76          |  |               |  |                |  |
|                       | $f_{ave}$ | (Hz)     |  | B-1,C-7       |  |               |  |                |  |
|                       | $f_{ave}$ | (W/cm²)  |  | 105           |  |               |  |                |  |
|                       | $f_{ave}$ | (mW/cm²) |  | 25            |  |               |  |                |  |
|                       | $f_{ave}$ | (mW/cm²) |  | 29            |  |               |  |                |  |
| Operating Conditions  | $P_{ave}$ | (MPa)    |  | 1.7           |  |               |  |                |  |
|                       | $P_{ave}$ | (N)      |  | 100           |  | 100           |  | 100            |  |
|                       | $P_{ave}$ | (W/cm²)  |  | B/P/ave/Pw    |  | B/P/ave/Pw    |  | B/P/ave/Pw     |  |
|                       | $P_{ave}$ | (FND)    |  | PND           |  | PND           |  | PND            |  |
|                       | $P_{ave}$ | (Sd)     |  | Sd            |  | Sd            |  | Sd             |  |
|                       | $P_{ave}$ | (F1)     |  | F1            |  | F1            |  | F1             |  |
|                       | $P_{ave}$ | (F2)     |  | F2            |  | F2            |  | F1             |  |
| Operating Conditions  | $P_{ave}$ | (N)      |  | 27            |  | 27            |  | 27             |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
| Operating Conditions  | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |
|                       | $P_{ave}$ | (cm)     |  | 17.0          |  | 13.0          |  | 4.0            |  |

ARIETTA 50

Convex CC41R(L)

Acoustic power is controllable by the user.

| parameter                        | Mode     | B <sub>0</sub> | B <sub>max</sub> | M       | D <sub>0</sub> | D <sub>max</sub> | (M+Color)p | (M+Color)lpa | (B+D) <sub>0</sub> | (B+D) <sub>max</sub> | (B+Color)p | (B+Color)lpa | (B+Color-D) <sub>0</sub> | (B+Color-D)lpa |
|----------------------------------|----------|----------------|------------------|---------|----------------|------------------|------------|--------------|--------------------|----------------------|------------|--------------|--------------------------|----------------|
| perimeter                        | (mm)     | 7.9            | 22               | 3.7     | 2.3            | 26               | 10         | 24           | 26                 | 25                   | 28         | 28           | 27                       | 26             |
| Maximum power                    | (mW)     | 2.7            | FND              | 2.7     | 2.5            | 2.4              | 2.6        | 2.2          | 2.7                | 2.3                  | 2.7        | 2.1          | 2.7                      | 1.8            |
| p <sub>r</sub>                   | (MPa)    | 16             | 59               | 7.6     | 16             | 56               | 22         | 75           | 40                 | 79                   | 45         | 91           | 181                      | 83             |
| I <sub>0</sub>                   | (mW/cm²) | 5.9            | 65               | 195     | 321            | 1143             | 443        | 1150         | 277                | 1140                 | 49         | 150          | 522                      | 1127           |
| PWR%                             | (%)      | 100            | 100              | 100     | 100            | 100              | 100        | 100          | 100                | 100                  | 100        | 100          | 100                      | 100            |
| Tx Mode                          |          | B              | B                | M       | Pw             | Pw               | MFlow      | MFlow        | BFlow              | BFlow                | BFlow      | BFlow        | BFlow                    | BFlow          |
| Wave Mode                        | FND      | FND            | FND              | FND     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Frequency (B)                    | Std      | Std            | Std              | Std     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Focus (B)                        | F4       | F4             | F4               | F4      | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Scan/s (B)                       | 25       | 25             | 25               | 25      | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Range                            | (cm)     | 21.0           | 21.0             | 21.0    | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| PRF Limit                        | ON       | ON             | ON               | ON      | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Line Density                     | Low      | Low            | High             | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Flow Mode                        | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Ref. Frequency (Color)           | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Focus (Color)                    | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Flow/s (Color)                   | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Color Velocity Range             | (cm/s)   | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Picket Slim                      | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Flow Area Depth                  | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Color Line Density               | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Pw Mode                          | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| High PRF                         | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Ref. Frequency (D)               | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Focus (D)                        | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Triplet Frame Rate               | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Triplet VSL Range                | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Flow Area Lock                   | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| f <sub>0</sub>                   | (mm)     | 27             | 22               | 27      | 30             | 30               | 29         | 24           | 27                 | 24                   | 27         | 24           | 27                       | 24             |
| w <sub>0</sub>                   | (β)      | 1.4            | 1.4              | 1.4     | 1.9            | 1.9              | 2.1        | 1.9          | 1.4                | 1.8                  | 1.4        | 1.8          | 1.4                      | 1.8            |
| w <sub>0</sub>                   | (L)      | 1.6            | 2.0              | 1.6     | 1.7            | 1.7              | 1.7        | 1.7          | 1.6                | 1.7                  | 1.6        | 1.8          | 1.6                      | 1.7            |
| prr (PRF)                        | (Hz)     | n/a            | n/a              | 1002    | 814            | 3255             | 2604       | 9470         | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| prr (SRF)                        | (Hz)     | 36             | 305              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| n <sub>0</sub>                   |          | 1.0            | 1.0              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| n <sub>0</sub>                   |          | 59             | 31               | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Output beam dimensions           | (β)      | 7.6            | 5.7              | 7.6     | 7.2            | 7.2              | 7.2        | 4.9          | 7.6                | 4.9                  | 7.6        | 4.9          | 7.6                      | 4.9            |
| f <sub>0</sub>                   | (L)      | 6.5            | 6.5              | 6.5     | 6.5            | 6.5              | 6.5        | 6.5          | 6.5                | 6.5                  | 6.5        | 6.5          | 6.5                      | 6.5            |
| f <sub>0</sub>                   | (MHz)    | 5.2            | 5.2              | 5.2     | 5.0            | 5.0              | 5.0        | 5.1          | 5.2                | 5.0                  | 5.2        | 5.0          | 5.2                      | 5.0            |
| Acoustic Power-up fraction       | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Power-up mode                    | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Acoustic Initialization fraction | (%)      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Initialization mode              | n/a      | n/a            | n/a              | n/a     | n/a            | n/a              | n/a        | n/a          | n/a                | n/a                  | n/a        | n/a          | n/a                      | n/a            |
| Acoustic output freeze           | Yes      | Yes            | Yes              | Yes     | Yes            | Yes              | Yes        | Yes          | Yes                | Yes                  | Yes        | Yes          | Yes                      | Yes            |
| f <sub>0</sub>                   | (mm)     | 1.2            | 1.2              | 1.2     | 1.2            | 1.2              | 1.2        | 1.2          | 1.2                | 1.2                  | 1.2        | 1.2          | 1.2                      | 1.2            |
| f <sub>0</sub>                   | (mm)     | contact        | contact          | contact | contact        | contact          | contact    | contact      | contact            | contact              | contact    | contact      | contact                  | contact        |
| Inclusive modes                  |          |                |                  |         |                |                  |            |              |                    |                      |            |              |                          |                |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| f <sub>0</sub>              | 37.14% |
| P <sub>r</sub>              | 18.75% |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | Index Label                         | MT                    | TIS        |               | TIB        |               | TTC  |
|------------------------------|-------------------------------------|-----------------------|------------|---------------|------------|---------------|------|
|                              |                                     |                       | at surface | below surface | at surface | below surface |      |
| Maximum Index Value          |                                     | 0.80                  | 0.52       | 0.51          | 0.52       | 0.57          | 0.56 |
|                              | Index Component Value               |                       |            |               |            |               |      |
| Acoustic Parameters          | $P_{ref}$                           | (MPa)                 | 1.8        |               |            |               |      |
|                              | $P_{rms}$                           | (mW)                  |            |               |            |               |      |
|                              | $P_{avg}$                           | (mW)                  |            |               | 22         | 23            |      |
|                              | $P_{1st}$                           | (mW)                  |            |               | 21         | 21            | 22   |
|                              | $z_s$                               | (cm)                  |            |               |            |               |      |
|                              | $z_b$                               | (cm)                  |            | 1.0           |            |               |      |
|                              | $z_{avg}$                           | (cm)                  |            |               |            |               |      |
|                              | $z_{1st}$                           | (cm)                  | 2.4        |               |            |               | 1.9  |
|                              | $z_{ref}$                           | (cm)                  | 2.4        |               |            |               |      |
|                              | $f_{ref}$                           | (MHz)                 | 5.2        |               | 5.2        | 5.2           | 5.2  |
| Other Information            | $PRF$                               | (Hz)                  | 2468       |               |            |               |      |
|                              | $PRF$                               | (Hz)                  | 33         |               |            |               |      |
|                              | $n_{ref}$                           |                       | 1.0        |               |            |               |      |
|                              | $I_{FMS}$ at $z_{FMS}$              | (W/cm <sup>2</sup> )  | 341        |               |            |               |      |
|                              | $I_{FMS}$ at $z_{FMS}$ or $z_{1st}$ | (mW/cm <sup>2</sup> ) | 44         |               |            |               |      |
|                              | $I_{FMS}$ at $z_{FMS}$ or $z_{1st}$ | (mW/cm <sup>2</sup> ) | 103        |               |            |               |      |
|                              | $P_r$ at $z_{FMS}$                  | (MPa)                 | 2.7        |               |            |               |      |
|                              | $PRF_{95\%}$                        | (%)                   | 100        | 100           | 100        | 100           | 100  |
|                              | Tx Mode                             |                       | B/M        | B/M           | B/M        | B/M           | B/M  |
|                              | Wave Mode                           |                       | PND        | PND           | PND        | PND           | PND  |
| Operating Control Conditions | Frequency (B)                       |                       | Std        | Std           | Std        | Std           | Std  |
|                              | Focus (B)                           |                       | F4         | F3            | F3         | F3            | F3   |
|                              | Search (B)                          | (%)                   | 100        | 25            | 25         | 25            | 25   |
|                              | Range                               | (cm)                  | 21.0       | 2.5           | 2.5        | 2.5           | 2.5  |
|                              | PRF Limit                           |                       | ON         | OFF           | OFF        | OFF           | OFF  |
|                              | Line Density                        |                       | Low        | High          | High       | High          | High |
|                              | Flow Mode                           |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Ref. Frequency (Color)              |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Focus (Color)                       |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Flow% (Color)                       | (%)                   | n/a        | n/a           | n/a        | n/a           | n/a  |
| Flow Area Parameters         | Color Velocity Range                | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Pocket Size                         |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Flow Area Depth                     | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Color Line Density                  |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Per Mode                            |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | High PRF                            |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Ref. Frequency (D)                  |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Focus (D)                           |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Doppler Velocity Range              | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Sample gate size                    | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Sample gate depth                   | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
| Flow Area Lock               | Triplex Frame Rate                  | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Triplex VIL Range                   |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Flow Area Lock                      |                       | n/a        | n/a           | n/a        | n/a           | n/a  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "n/a" indicates data where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{FMS}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | Index Label                         | MT                    | TIS        |               | TIB        |               | TTC  |
|------------------------------|-------------------------------------|-----------------------|------------|---------------|------------|---------------|------|
|                              |                                     |                       | at surface | below surface | at surface | below surface |      |
| Maximum Index Value          |                                     | 0.80                  | 0.52       | 0.52          | 0.52       | 0.52          | 0.55 |
|                              | Index Component Value               |                       |            |               |            |               |      |
| Acoustic Parameters          | $P_{ref}$                           | (MPa)                 | 1.8        |               |            |               |      |
|                              | $P_{rms}$                           | (mW)                  |            |               |            |               |      |
|                              | $P_{avg}$                           | (mW)                  |            |               | 22         | 22            |      |
|                              | $P_{1st}$                           | (mW)                  |            |               | 21         | 21            | 22   |
|                              | $z_s$                               | (cm)                  |            |               |            |               |      |
|                              | $z_b$                               | (cm)                  |            |               |            |               |      |
|                              | $z_{avg}$                           | (cm)                  | 2.4        |               |            |               | 1.9  |
|                              | $z_{1st}$                           | (cm)                  | 2.4        |               |            |               |      |
|                              | $f_{ref}$                           | (MHz)                 | 5.2        |               | 5.2        | 5.2           | 5.2  |
|                              | $PRF$                               | (Hz)                  | 2124       |               |            |               |      |
| Other Information            | $PRF$                               | (Hz)                  | 36         |               |            |               |      |
|                              | $n_{ref}$                           |                       | 1.0        |               |            |               |      |
|                              | $I_{FMS}$ at $z_{FMS}$              | (W/cm <sup>2</sup> )  | 341        |               |            |               |      |
|                              | $I_{FMS}$ at $z_{FMS}$ or $z_{1st}$ | (mW/cm <sup>2</sup> ) | 2.7        |               |            |               |      |
|                              | $I_{FMS}$ at $z_{FMS}$ or $z_{1st}$ | (mW/cm <sup>2</sup> ) | 5.9        |               |            |               |      |
|                              | $P_r$ at $z_{FMS}$                  | (MPa)                 | 2.7        |               |            |               |      |
|                              | $PRF_{95\%}$                        | (%)                   | 100        | 100           | 100        | 100           | 100  |
|                              | Tx Mode                             |                       | B          | B             | B          | B             | B    |
|                              | Wave Mode                           |                       | PND        | PND           | PND        | PND           | PND  |
|                              | Frequency (B)                       |                       | Std        | Std           | Std        | Std           | Std  |
| Operating Control Conditions | Focus (B)                           |                       | F4         | F3            | F3         | F3            | F3   |
|                              | Search (B)                          | (%)                   | 100        | 25            | 25         | 25            | 25   |
|                              | Range                               | (cm)                  | 21.0       | 2.5           | 2.5        | 2.5           | 2.5  |
|                              | PRF Limit                           |                       | ON         | OFF           | OFF        | OFF           | OFF  |
|                              | Line Density                        |                       | Low        | High          | High       | High          | High |
|                              | Flow Mode                           |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Ref. Frequency (Color)              |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Focus (Color)                       |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Flow% (Color)                       | (%)                   | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Color Velocity Range                | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a  |
| Flow Area Parameters         | Pocket Size                         |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Flow Area Depth                     | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Color Line Density                  |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Per Mode                            |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | High PRF                            |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Ref. Frequency (D)                  |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Focus (D)                           |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Doppler Velocity Range              | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Sample gate size                    | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Sample gate depth                   | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
| Flow Area Lock               | Triplex Frame Rate                  | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Triplex VIL Range                   |                       | n/a        | n/a           | n/a        | n/a           | n/a  |
|                              | Flow Area Lock                      |                       | n/a        | n/a           | n/a        | n/a           | n/a  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "n/a" indicates data where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{FMS}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |



Table 201.103 - Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |                        | MODE |       |        |       | PFD-Mode |  |
|-----------------------|------------------------|------|-------|--------|-------|----------|--|
| CC41R(L)              |                        |      |       |        |       |          |  |
| Index Label           | Index Value            | MT   | TTS   | TTB    | TTC   |          |  |
| Maximum Index Value   |                        | 0.79 | 0.68  | 1.8    | 1.5   |          |  |
| Index Component Value |                        |      | 0.68  | 0.42   | 1.8   |          |  |
| Acoustic Parameters   | $P_{rms}$              | 1.8  |       |        |       |          |  |
|                       | $P_{avg}$              |      | 29    | 26     | 24    |          |  |
|                       | $P_{1st}$              |      | 29    | 26     |       |          |  |
|                       | $S_{1st}$              |      |       | 1.4    |       |          |  |
|                       | $S_{avg}$              | 2.7  |       |        | 0.70  |          |  |
|                       | $S_{1st}$              | 2.7  |       |        |       |          |  |
| Other Information     | $f_{max}$              | 5.0  | 4.9   | 5.0    | 5.0   |          |  |
|                       | $f_{min}$              | 814  |       |        |       |          |  |
|                       | $f_{avg}$              |      |       |        |       |          |  |
|                       | $f_{1st}$              |      |       |        |       |          |  |
|                       | $f_{avg}$              |      |       |        |       |          |  |
|                       | $f_{1st}$              |      |       |        |       |          |  |
| Operating Conditions  | Wave Mode              | Pw   | 100   | 100    | 100   |          |  |
|                       | Frequency (B)          | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Focus (B)              | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Search (B)             | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Range                  | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | PRF Limit              | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Line Density           | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Mode              | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Ref. Frequency (Color) | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow% (Color)          | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Color Velocity Range   | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Packet Size            | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Area Depth        | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Color Line Density     | n/a  | n/a   | n/a    | n/a   |          |  |
| Flow Area Lock        | Flow Mode              | PW   | PW    | PW     | PW    |          |  |
|                       | High PRF               | OFF  | OFF   | OFF    | OFF   |          |  |
|                       | Ref. Frequency (D)     | Off  | Off   | Off    | Off   |          |  |
|                       | Focus (D)              | Off  | Off   | Off    | Off   |          |  |
|                       | Doppler Velocity Range | 6.23 | 19.92 | 106.25 | 83.88 |          |  |
|                       | Sample gate size       | 0.1  | 0.1   | 0.1    | 0.1   |          |  |
|                       | Sample gate depth      | 2.8  | 6.4   | 0.4    | 0.0   |          |  |
|                       | Triplex Frame Rate     | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Triplex VFL Range      | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Area Lock         | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Area Lock         | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Area Lock         | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Area Lock         | n/a  | n/a   | n/a    | n/a   |          |  |
|                       | Flow Area Lock         | n/a  | n/a   | n/a    | n/a   |          |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surfaces and below surface both in the columns related to TTS or TTB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{avg}$                   | 37.14% |
| $P_{1st}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 - Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |                        | MODE |      |       |      | M-Mode |  |
|-----------------------|------------------------|------|------|-------|------|--------|--|
| CC41R(L)              |                        |      |      |       |      |        |  |
| Index Label           | Index Value            | MT   | TTS  | TTB   | TTC  |        |  |
| Maximum Index Value   |                        | 0.80 | 0.12 | 0.23  | 0.15 |        |  |
| Index Component Value |                        |      | 0.12 | 0.076 | 0.23 |        |  |
| Acoustic Parameters   | $P_{rms}$              | 1.8  |      |       |      |        |  |
|                       | $P_{avg}$              |      | 5.2  | 3.7   | 6.0  |        |  |
|                       | $P_{1st}$              |      | 5.1  | 3.7   |      |        |  |
|                       | $S_{1st}$              |      |      | 1.4   |      |        |  |
|                       | $S_{avg}$              | 2.4  |      |       | 2.3  |        |  |
|                       | $S_{1st}$              | 2.4  |      |       |      |        |  |
| Other Information     | $f_{max}$              | 5.2  | 4.9  | 5.2   | 4.7  |        |  |
|                       | $f_{min}$              | 1002 |      |       |      |        |  |
|                       | $f_{avg}$              |      |      |       |      |        |  |
|                       | $f_{1st}$              |      |      |       |      |        |  |
|                       | $f_{avg}$              |      |      |       |      |        |  |
|                       | $f_{1st}$              |      |      |       |      |        |  |
| Operating Conditions  | Wave Mode              | M    | M    | M     | M    |        |  |
|                       | Frequency (B)          | FND  | FND  | FND   | FND  |        |  |
|                       | Focus (B)              | Std  | Std  | Std   | Std  |        |  |
|                       | Search (B)             | F4   | F6   | F4    | F7   |        |  |
|                       | Range                  | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | PRF Limit              | 21.0 | 21.0 | 21.0  | 21.0 |        |  |
|                       | Line Density           | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Mode              | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Ref. Frequency (Color) | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow% (Color)          | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Color Velocity Range   | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Packet Size            | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Area Depth        | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Color Line Density     | n/a  | n/a  | n/a   | n/a  |        |  |
| Flow Area Lock        | Flow Mode              | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | High PRF               | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Ref. Frequency (D)     | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Focus (D)              | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Doppler Velocity Range | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Sample gate size       | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Sample gate depth      | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Triplex Frame Rate     | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Triplex VFL Range      | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Area Lock         | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Area Lock         | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Area Lock         | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Area Lock         | n/a  | n/a  | n/a   | n/a  |        |  |
|                       | Flow Area Lock         | n/a  | n/a  | n/a   | n/a  |        |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surfaces and below surface both in the columns related to TTS or TTB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.13.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 5 If the requirements of 201.13.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{avg}$                   | 37.14% |
| $P_{1st}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

CCAIR(L)

MODE

B/PWD-muds

| Index Label                  |                                                             | MT    |  | TDS          |  | TIB        |  |
|------------------------------|-------------------------------------------------------------|-------|--|--------------|--|------------|--|
| Maximum Index Value          |                                                             | 0.80  |  | at surface   |  | at surface |  |
| Index Component Value        |                                                             | 0.67  |  | 0.67         |  | 1.7        |  |
| Acoustic Parameters          | $P_{max}$ (MPa)                                             | 1.8   |  |              |  |            |  |
|                              | $P_{min}$ (mW)                                              |       |  | 29           |  | 26         |  |
|                              | $P_{rel}$ (mW)                                              |       |  | 29           |  | 26         |  |
|                              | $z_s$ (cm)                                                  |       |  | 1.4          |  |            |  |
|                              | $z_b$ (cm)                                                  |       |  |              |  | 0.70       |  |
| Other Information            | $z_{air}$ (cm)                                              | 2.4   |  |              |  |            |  |
|                              | $z_{fluid}$ (cm)                                            | 2.4   |  |              |  |            |  |
|                              | $f_{cut}$ (MHz)                                             | B2-16 |  | B-5.1, D-4.9 |  | B-5.1, D-5 |  |
|                              | $f_{PRF}$ (Hz)                                              | 2353  |  |              |  |            |  |
|                              | $f_{RTT}$ (Hz)                                              | 15    |  |              |  |            |  |
| Operating Control Conditions | $\eta_{max}$                                                | 1.0   |  |              |  |            |  |
|                              | $I_{PRF}$ at $z_{fluid}$ (W/cm <sup>2</sup> )               | 341   |  |              |  |            |  |
|                              | $I_{PRF}$ at $z_{fluid}$ of $z_{air}$ (mW/cm <sup>2</sup> ) | 129   |  |              |  |            |  |
|                              | $I_{PRF}$ at $z_{PRF}$ or $z_{air}$ (mW/cm <sup>2</sup> )   | 277   |  |              |  |            |  |
|                              | $P_1$ at $z_{PRF}$ (MPa)                                    | 2.7   |  |              |  |            |  |
|                              | P/W/M                                                       | (N)   |  | 100          |  | 100        |  |
|                              | Tx Mode                                                     | B/PW  |  | B/PW         |  | B/PW       |  |
|                              | Wave Mode                                                   | FND   |  | FND          |  | FND        |  |
|                              | Frequency (B)                                               | Std   |  | Std          |  | Std        |  |
|                              | Focus (B)                                                   | F4    |  | F1           |  | F1         |  |
| Operating Control Conditions | Scan/ (B)                                                   | 25    |  | 25           |  | 25         |  |
|                              | PRF Limit                                                   | OFF   |  | OFF          |  | OFF        |  |
|                              | Line Density                                                | High  |  | Medium       |  | Low        |  |
|                              | Flow Mode                                                   | n/a   |  | n/a          |  | n/a        |  |
|                              | Ref. Frequency (Color)                                      | n/a   |  | n/a          |  | n/a        |  |
|                              | Focus (Color)                                               | n/a   |  | n/a          |  | n/a        |  |
|                              | Color Velocity                                              | n/a   |  | n/a          |  | n/a        |  |
|                              | Color Velocity Range                                        | n/a   |  | n/a          |  | n/a        |  |
|                              | Picket Size                                                 | n/a   |  | n/a          |  | n/a        |  |
|                              | Flow Area Depth                                             | n/a   |  | n/a          |  | n/a        |  |
| Operating Control Conditions | Color Line Density                                          | n/a   |  | n/a          |  | n/a        |  |
|                              | Pw Mode                                                     | PW    |  | PW           |  | PW         |  |
|                              | High PRF                                                    | OFF   |  | OFF          |  | OFF        |  |
|                              | Ref. Frequency (D)                                          | Std   |  | Std          |  | Std        |  |
|                              | Focus (D)                                                   | F7    |  | F7           |  | F7         |  |
|                              | Doppler Velocity Range                                      | 19-92 |  | 106-25       |  | 122-60     |  |
|                              | Sample gate size                                            | (cm)  |  | 0.1          |  | 0.1        |  |
|                              | Sample gate size                                            | (cm)  |  | 0.1          |  | 0.1        |  |
|                              | Sample gate size                                            | (cm)  |  | 6.4          |  | 0.0        |  |
|                              | Triplex Frame Rate                                          | n/a   |  | n/a          |  | n/a        |  |
| Operating Control Conditions | Triplex VELL Range                                          | n/a   |  | n/a          |  | n/a        |  |
|                              | Flow Area Lock                                              | n/a   |  | n/a          |  | n/a        |  |

NOTE 1 Only use specifying condition per index.

NOTE 2 Data should be entered for all surfaces and below surface both in the columns related to TDS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for Transducer or recorded acoustic data.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TDS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TDS.

NOTE 6 "-" indicates code where a numerical value should be entered. The equipment setting related to this index has to be entered in the operating control section.

measurement uncertainty (%)

$P$  25.00%

$I_{PRF}$  37.14%

Display accuracy

MT 20% or 0.2, whichever larger

TI 40% or 0.4, whichever larger

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

CC41R(L)

MODE

M-Color-mode

| Index Label                  | MT                     | TTS                   | TTB           | TTC        |     |
|------------------------------|------------------------|-----------------------|---------------|------------|-----|
| Maximum Index Value          | 0.77                   | at surface            | below surface | at surface | 1.7 |
| Index Component Value        | 0.67                   | 0.67                  | 0.42          | 0.59       | 1.7 |
| Acoustic Parameters          | $P_{ref}$              | (MPa)                 |               |            |     |
|                              | $P_{10}$               | (mW)                  |               |            |     |
|                              | $\epsilon_1$           | (cm)                  |               |            |     |
|                              | $\epsilon_2$           | (cm)                  |               |            |     |
|                              | $\epsilon_{ref}$       | (cm)                  |               |            |     |
|                              | $\epsilon_{max}$       | (cm)                  |               |            |     |
| Other Information            | $f_{ref}$              | (MHz)                 |               |            |     |
|                              | $f_{err}$              | (Hz)                  |               |            |     |
|                              | $\sigma_{ref}$         | (Hz)                  |               |            |     |
|                              | $\sigma_{max}$         | (Hz)                  |               |            |     |
|                              | $I_{ref}$              | (W/cm <sup>2</sup> )  |               |            |     |
|                              | $I_{max}$              | (mW/cm <sup>2</sup> ) |               |            |     |
| Operating Control Conditions | $P_{ref}$              | (MPa)                 |               |            |     |
|                              | $P_{max}$              | (N)                   |               |            |     |
|                              | Tr Mode                | MP/Tow                |               |            |     |
|                              | Wave Mode              | n/a                   |               |            |     |
|                              | Frequency (B)          | n/a                   |               |            |     |
|                              | Flow (B)               | n/a                   |               |            |     |
| Flow Mode                    | Scan (B)               | (N)                   |               |            |     |
|                              | Range                  | (cm)                  |               |            |     |
|                              | PRF Limit              | n/a                   |               |            |     |
|                              | Line Density           | n/a                   |               |            |     |
|                              | Flow Mode              | eFlow                 |               |            |     |
|                              | Ref. Frequency (Color) | Std                   |               |            |     |
| Flow Area Lock               | Flow (Color)           | F5                    |               |            |     |
|                              | Flow (Color)           | (N)                   |               |            |     |
|                              | Color Velocity Range   | 19.92                 |               |            |     |
|                              | Packet Size            | n/a                   |               |            |     |
|                              | Flow Area Depth        | 21.0                  |               |            |     |
|                              | Color Line Density     | n/a                   |               |            |     |
| Pre Mode                     | Pre Mode               | n/a                   |               |            |     |
|                              | High PRF               | n/a                   |               |            |     |
|                              | Ref. Frequency (D)     | n/a                   |               |            |     |
|                              | Focus (D)              | n/a                   |               |            |     |
| Drizzle Velocity Range       | Drizzle Velocity Range | (mm/s)                |               |            |     |
|                              | Sample gate size       | (cm)                  |               |            |     |
|                              | Sample gate depth      | (cm)                  |               |            |     |
|                              | Triplex Frame Rate     | n/a                   |               |            |     |
|                              | Triplex VSEL Range     | n/a                   |               |            |     |
|                              | Flow Area Lock         | n/a                   |               |            |     |

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3 If information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal synaptic uses.

NOTE 4 If the requirements of 201.12.4.4(a) are met, it is not required to enter any data in the columns related to TTB, TTB or TTC.

NOTE 5 If the requirements of 201.12.4.4(b) are met, it is not required to enter any data in the column related to TTB.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the Index Item to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |
|                  |                              |



Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amnd.1)

| Transducer Model                    |                       | MODE       |                 | B-Center-mode |               |
|-------------------------------------|-----------------------|------------|-----------------|---------------|---------------|
| CC41R(L)                            |                       |            |                 |               |               |
| Index Label                         | Index Value           | MT         | TTS             | TTB           | TTC           |
| Maximum Index Value                 |                       | 0.80       | 0.68            | 1.7           | 1.6           |
| Index Component Value               |                       |            | 0.68            | 0.44          | 0.63          |
| $P_{100}$                           | (MPa)                 | 1.8        |                 |               |               |
| $P_{101}$                           | (mW)                  |            | 29              | 26            | 26            |
| Acoustic Parameters                 |                       |            |                 |               |               |
| $z_1$                               | (cm)                  |            | 1.4             |               |               |
| $z_{101}$                           | (cm)                  |            |                 | 0.70          |               |
| $z_{102}$                           | (cm)                  | 2.4        |                 |               |               |
| $z_{103}$                           | (cm)                  | 2.4        |                 |               |               |
| $f_{101}$                           | (MHz)                 | B-5.16     | B-5.1,C-5,D-4.9 | B-5.1,C-5,D-5 | B-5.2,C-5,D-5 |
| $f_{102}$                           | (Hz)                  | 13724      |                 |               |               |
| $f_{103}$                           | (Hz)                  | 15         |                 |               |               |
| Other Information                   |                       |            |                 |               |               |
| $f_{104}$ at $z_{104}$              | (W/cm <sup>2</sup> )  | 341        |                 |               |               |
| $f_{105}$ at $z_{105}$ or $z_{106}$ | (mW/cm <sup>2</sup> ) | 472        |                 |               |               |
| $f_{106}$ at $z_{106}$ or $z_{107}$ | (mW/cm <sup>2</sup> ) | 522        |                 |               |               |
| $P_1$ at $z_{p1}$                   | (MPa)                 | 2.7        |                 |               |               |
| Operating Conditions                |                       |            |                 |               |               |
| Wave Mode                           |                       | B/P/low/Pw | B/P/low/Pw      | B/P/low/Pw    | B/P/low/Pw    |
| Frequency (B)                       |                       | FND        | FND             | FND           | FND           |
| Frequency (B)                       |                       | Sid        | Sid             | Sid           | Sid           |
| Focus (B)                           |                       | F4         | F1              | F1            | F1            |
| Scan (B)                            |                       | 27         | 27              | 27            | 27            |
| Range                               |                       | 13.0       | 13.0            | 2.5           | 2.5           |
| PRF Limit                           |                       | OFF        | OFF             | OFF           | OFF           |
| Line Density                        |                       | Low        | Medium          | Medium        | Low           |
| Flow Mode                           |                       | Flow       | Flow            | Flow          | Flow          |
| Ref. Frequency (Color)              |                       | Sid        | Sid             | Sid           | Sid           |
| Focus (Color)                       |                       | F7         | F8              | F3            | F1            |
| Flow (Color)                        |                       | 15         | 15              | 15            | 15            |
| Color Velocity Range                |                       | 44.27      | 33.20           | 66.41         | 75.89         |
| Packet Size                         |                       | Low        | High            | High          | Medium        |
| Flow Area Depth                     |                       | 10.0       | 13.0            | 2.5           | 2.5           |
| Color Line Density                  |                       | 1          | 3               | 3             | 2             |
| Pw Mode                             |                       | PW         | PW              | PW            | PW            |
| High PRF                            |                       | OFF        | OFF             | OFF           | OFF           |
| Ref. Frequency (D)                  |                       | Sid        | Sid             | Sid           | Sid           |
| Focus (D)                           |                       | F1         | F7              | F2            | F1            |
| Doppler Velocity Range              |                       | 122.60     | 56.92           | 144.89        | 122.60        |
| Sample gate size                    |                       | 0.1        | 0.1             | 0.1           | 0.1           |
| Sample gate size                    |                       | 0.1        | 0.1             | 0.1           | 0.1           |
| Sample gate size                    |                       | 0.0        | 6.4             | 0.4           | 0.0           |
| Triplex Frame Rate                  |                       | Medium     | Medium          | Medium        | Medium        |
| Triplex VTL Range                   |                       | BFix       | BFix            | BFix          | BFix          |
| Flow Area Lock                      |                       | OFF        | OFF             | OFF           | OFF           |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial Doppler uses.

NOTE 4 If the requirements of 201.12.4.26) are met, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 5 If the requirements of 201.12.4.26) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{101}$                   | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amnd.1)

| Transducer Model                    |                       | MODE    |           | B-Center-mode |           |
|-------------------------------------|-----------------------|---------|-----------|---------------|-----------|
| CC41R(L)                            |                       |         |           |               |           |
| Index Label                         | Index Value           | MT      | TTS       | TTB           | TTC       |
| Maximum Index Value                 |                       | 0.80    | 0.65      | 0.65          | 0.65      |
| Index Component Value               |                       |         | 0.65      | 0.65          | 0.65      |
| $P_{100}$                           | (MPa)                 | 1.8     |           |               |           |
| $P_{101}$                           | (mW)                  |         | 28        | 28            | 28        |
| Acoustic Parameters                 |                       |         |           |               |           |
| $z_1$                               | (cm)                  |         |           |               |           |
| $z_{101}$                           | (cm)                  |         |           |               |           |
| $z_{102}$                           | (cm)                  | 2.4     |           |               |           |
| $z_{103}$                           | (cm)                  | 2.4     |           |               |           |
| $f_{101}$                           | (MHz)                 | B-5.16  | B-5.1,C-5 | B-5.1,C-5     | B-5.1,C-5 |
| $f_{102}$                           | (Hz)                  | 6758    |           |               |           |
| $f_{103}$                           | (Hz)                  | 111     |           |               |           |
| Other Information                   |                       |         |           |               |           |
| $f_{104}$ at $z_{104}$              | (W/cm <sup>2</sup> )  | 341     |           |               |           |
| $f_{105}$ at $z_{105}$ or $z_{106}$ | (mW/cm <sup>2</sup> ) | 54      |           |               |           |
| $f_{106}$ at $z_{106}$ or $z_{107}$ | (mW/cm <sup>2</sup> ) | 49      |           |               |           |
| $P_1$ at $z_{p1}$                   | (MPa)                 | 2.7     |           |               |           |
| Operating Conditions                |                       |         |           |               |           |
| Wave Mode                           |                       | B/P/low | B/P/low   | B/P/low       | B/P/low   |
| Frequency (B)                       |                       | FND     | FND       | FND           | FND       |
| Frequency (B)                       |                       | Sid     | Sid       | Sid           | Sid       |
| Focus (B)                           |                       | F4      | F1        | F1            | F1        |
| Scan (B)                            |                       | 25      | 25        | 25            | 27        |
| Range                               |                       | 10.0    | 4.5       | 4.5           | 2.5       |
| PRF Limit                           |                       | OFF     | OFF       | OFF           | OFF       |
| Line Density                        |                       | Low     | Low       | Low           | High      |
| Flow Mode                           |                       | Flow    | Flow      | Flow          | Flow      |
| Ref. Frequency (Color)              |                       | Sid     | Sid       | Sid           | Sid       |
| Focus (Color)                       |                       | F7      | F4        | F4            | F3        |
| Flow (Color)                        |                       | 15      | 15        | 15            | 15        |
| Color Velocity Range                |                       | 56.92   | 61.30     | 61.30         | 66.41     |
| Packet Size                         |                       | Low     | Low       | Low           | High      |
| Flow Area Depth                     |                       | 8.5     | 4.5       | 4.5           | 2.5       |
| Color Line Density                  |                       | 1       | 1         | 1             | 3         |
| Pw Mode                             |                       | n/a     | n/a       | n/a           | n/a       |
| High PRF                            |                       | n/a     | n/a       | n/a           | n/a       |
| Ref. Frequency (D)                  |                       | n/a     | n/a       | n/a           | n/a       |
| Focus (D)                           |                       | n/a     | n/a       | n/a           | n/a       |
| Doppler Velocity Range              |                       | n/a     | n/a       | n/a           | n/a       |
| Sample gate size                    |                       | n/a     | n/a       | n/a           | n/a       |
| Sample gate size                    |                       | n/a     | n/a       | n/a           | n/a       |
| Sample gate size                    |                       | n/a     | n/a       | n/a           | n/a       |
| Triplex Frame Rate                  |                       | n/a     | n/a       | n/a           | n/a       |
| Triplex VTL Range                   |                       | n/a     | n/a       | n/a           | n/a       |
| Flow Area Lock                      |                       | n/a     | n/a       | n/a           | n/a       |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial Doppler uses.

NOTE 4 If the requirements of 201.12.4.26) are met, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 5 If the requirements of 201.12.4.26) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{101}$                   | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |



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CC41R(T) Convex

Acoustic power is controllable by the user.

| Parameter                        | B <sub>0</sub> | B <sub>90deg</sub> | M       | D <sub>3</sub> | D <sub>90deg</sub> | (M+Color)P | (M+Color)I <sub>90deg</sub> | (B+D) <sub>0</sub> | (B+D) <sub>90deg</sub> | (B+Color)P | (B+Color)I <sub>90deg</sub> | (B+Color+D)P | (B+Color+D)I <sub>90deg</sub> |
|----------------------------------|----------------|--------------------|---------|----------------|--------------------|------------|-----------------------------|--------------------|------------------------|------------|-----------------------------|--------------|-------------------------------|
| Maximum power                    | 7.9 (nW)       | 22                 | 3.7     | 7.3            | 26                 | 10         | 24                          | 26                 | 25                     | 28         | 28                          | 27           | 26                            |
| P <sub>0</sub>                   | 2.7 (MPa)      | 2.1                | 2.7     | 2.5            | 2.4                | 2.6        | 2.2                         | 2.2                | 2.3                    | 2.7        | 2.1                         | 2.7          | 1.8                           |
| I <sub>0</sub>                   | 59 (mW/cm²)    | 16                 | 7.6     | 16             | 56                 | 22         | 75                          | 40                 | 45                     | 91         | 91                          | 181          | 83                            |
| I <sub>90deg</sub>               | 5.9 (mW/cm²)   | 65                 | 195     | 321            | 1143               | 443        | 1150                        | 277                | 1140                   | 49         | 150                         | 522          | 1127                          |
| PWR%                             | (%)            | 100                | 100     | 100            | 100                | 100        | 100                         | 100                | 100                    | 100        | 100                         | 100          | 100                           |
| Tx Mode                          | B              | B                  | M       | Pw             | Pw                 | MFlow      | MFlow                       | BFlow              | BFlow                  | BFlow      | BFlow                       | BFlow        | BFlow                         |
| Wave Mode                        | FND            | FND                | FND     | n/a            | n/a                | -          | -                           | FND                | FND                    | FND        | FND                         | FND          | FND                           |
| Frequency (B)                    | Std            | Std                | Std     | n/a            | n/a                | n/a        | n/a                         | Std                | Std                    | Std        | Std                         | Std          | Std                           |
| Focus (B)                        | F4             | F3                 | F4      | n/a            | n/a                | n/a        | n/a                         | F4                 | F3                     | F4         | F4                          | F4           | F1                            |
| Scan% (B)                        | 100            | 25                 | n/a     | n/a            | n/a                | n/a        | n/a                         | 25                 | 25                     | 25         | 27                          | 27           | 27                            |
| Range                            | (cm)           | 21.0               | 2.5     | 21.0           | n/a                | 21.0       | 4.5                         | 10.0               | 4.5                    | 10.0       | 4.5                         | 10.0         | 4.5                           |
| PRF Limit                        | ON             | OFF                | n/a     | n/a            | n/a                | n/a        | n/a                         | High               | High                   | Low        | High                        | Low          | Medium                        |
| Line Density                     | Low            | High               | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | Flow       | Flow                        | Flow         | Flow                          |
| Flow Mode                        | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Ref. Frequency (Color)           | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Focus (Color)                    | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Flow% (Color)                    | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Color Velocity Range             | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Packet Size                      | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Flow Area Depth                  | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Color Line Density               | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Pw Mode                          | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| High PRF                         | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Ref. Frequency (D)               | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Focus (D)                        | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Doppler Velocity Range           | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Sample gate size                 | (cm)           | n/a                | n/a     | 0.1            | 0.1                | n/a        | n/a                         | 0.1                | 0.1                    | n/a        | n/a                         | 0.1          | 0.1                           |
| Sample gate depth                | (cm)           | n/a                | n/a     | 2.8            | 2.8                | n/a        | n/a                         | 6.4                | 6.4                    | n/a        | n/a                         | 0.0          | 1.6                           |
| Triplex Frame Rate               | (cm)           | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Triplex VIL Range                | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Flow Area Lock                   | n/a            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| F <sub>0</sub>                   | (Hz)           | 27                 | 27      | 30             | 30                 | 29         | 24                          | 27                 | 24                     | 27         | 24                          | 27           | 24                            |
| W <sub>0</sub>                   | (mm)           | 1.4                | 1.4     | 1.9            | 1.9                | 2.1        | 1.9                         | 1.4                | 1.4                    | 1.4        | 1.4                         | 1.4          | 1.8                           |
| Δf                               | (Hz)           | 1.6                | 1.6     | 1.7            | 1.7                | 1.7        | 1.7                         | 1.6                | 1.7                    | 1.6        | 1.8                         | 1.6          | 1.7                           |
| PRF (PRF)                        | (Hz)           | n/a                | 1002    | 814            | 3255               | 2604       | 9470                        | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| PRF (SRF)                        | (Hz)           | 36                 | 305     | n/a            | n/a                | n/a        | n/a                         | 15                 | 30                     | 111        | 34                          | 15           | 7.7                           |
| n <sub>0</sub>                   | (mm)           | 1.0                | n/a     | n/a            | n/a                | n/a        | n/a                         | 1.0                | 1.0                    | n/a        | n/a                         | n/a          | n/a                           |
| n <sub>90deg</sub>               | (mm)           | 59                 | 31      | n/a            | n/a                | n/a        | n/a                         | 31                 | 31                     | n/a        | n/a                         | n/a          | n/a                           |
| Output beam dimensions           | (F)            | 7.6                | 5.7     | 7.2            | 7.2                | 7.2        | 4.9                         | 7.6                | 4.9                    | 7.6        | 4.9                         | 7.6          | 4.9                           |
| f <sub>0</sub>                   | (MHz)          | 5.2                | 5.2     | 5.0            | 5.0                | 5.0        | 5.1                         | 5.2                | 5.0                    | 5.2        | 5.0                         | 5.2          | 5.0                           |
| Acoustic Power-up fraction       | (%)            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Power-up mode                    | (%)            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Acoustic Initialization fraction | (%)            | n/a                | n/a     | n/a            | n/a                | n/a        | n/a                         | n/a                | n/a                    | n/a        | n/a                         | n/a          | n/a                           |
| Initialization mode              | (%)            | Yes                | Yes     | Yes            | Yes                | Yes        | Yes                         | Yes                | Yes                    | Yes        | Yes                         | Yes          | Yes                           |
| Acoustic output freeze           | (mm)           | 1.2                | 1.2     | 1.2            | 1.2                | 1.2        | 1.2                         | 1.2                | 1.2                    | 1.2        | 1.2                         | 1.2          | 1.2                           |
| f <sub>90deg</sub>               | (mm)           | contact            | contact | contact        | contact            | contact    | contact                     | contact            | contact                | contact    | contact                     | contact      | contact                       |
| Initiative modes                 | (mm)           | contact            | contact | contact        | contact            | contact    | contact                     | contact            | contact                | contact    | contact                     | contact      | contact                       |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| f <sub>0</sub>              | 37.14% |
| F <sub>0</sub>              | 18.75% |

Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amd.1)

| Transducer Model      |                              | MODE       |       |               |     | B/M-Mode   |     |  |
|-----------------------|------------------------------|------------|-------|---------------|-----|------------|-----|--|
| CC41R(T)              |                              | TTS        |       | TTR           |     | TTC        |     |  |
| Index Label           |                              | at surface |       | below surface |     | at surface |     |  |
| Maximum Index Value   |                              | 0.80       |       | 0.52          |     | 0.56       |     |  |
| Index Component Value |                              | 0.52       |       | 0.51          |     | 0.57       |     |  |
| Acoustic Parameters   | $P_{100}$                    | (MPa)      |       |               |     |            |     |  |
|                       | $P_{101}$                    | (mW)       |       |               |     |            |     |  |
|                       | $P_{102}$                    | (mW)       |       |               |     |            |     |  |
|                       | $z_{10}$                     | (cm)       |       |               |     |            |     |  |
|                       | $z_{100}$                    | (cm)       |       |               |     |            |     |  |
|                       | $z_{1000}$                   | (cm)       |       |               |     |            |     |  |
| Other Information     | $z_{100}$                    | (cm)       |       | 2.4           |     |            |     |  |
|                       | $z_{1000}$                   | (cm)       |       | 2.4           |     |            |     |  |
|                       | $f_{ref}$                    | (MHz)      |       | 5.2           |     | 5.2        |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 2468          |     |            |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 33            |     |            |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 1.0           |     |            |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 341           |     |            |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 44            |     |            |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 103           |     |            |     |  |
|                       | $f_{PRF}$                    | (Hz)       |       | 2.7           |     |            |     |  |
|                       | Operating Control Conditions | $P_{100}$  | (MPa) |               | 100 |            | 100 |  |
|                       |                              | $P_{101}$  | (mW)  |               | 10M |            | 10M |  |
| $P_{102}$             |                              | (mW)       |       | FND           |     | FND        |     |  |
| $z_{10}$              |                              | (cm)       |       | FND           |     | FND        |     |  |
| $z_{100}$             |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{1000}$            |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{10000}$           |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{100000}$          |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{1000000}$         |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{10000000}$        |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{100000000}$       |                              | (cm)       |       | F3            |     | F3         |     |  |
| $z_{1000000000}$      |                              | (cm)       |       | F3            |     | F3         |     |  |

NOTE 1: Only use operating condition per index.

NOTE 2: Values are for the surface and below surface both in the columns related to TTS or TR.

NOTE 3: Values are for the surface and below surface both in the columns related to TTS or TR.

NOTE 4: If the requirements of 201:12.4.2(2) are not met, it is not required to enter any data in the columns related to TTS, TR or TTC.

NOTE 5: If the requirements of 201:12.4.2(2) are not met, it is not required to enter any data in the columns related to M.

NOTE 6: "n" indicates cells where a numerical value should be entered. The equipment related to the index has to be entered in the operating control section.

Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model                                            |      | MODE  |            | PWD-Mode      |       |
|-------------------------------------------------------------|------|-------|------------|---------------|-------|
| CC41R(T)                                                    |      |       |            |               |       |
| Index Label                                                 | MT   | TTS   | at surface | below surface | TTC   |
| Maximum Index Value                                         | 0.79 | 0.68  | 0.68       | 0.63          | 1.8   |
| Index Component Value                                       |      |       |            |               |       |
| $P_{avg}$ (MPa)                                             | 1.8  |       |            |               |       |
| $P$ (mW)                                                    |      | 29    |            | 26            | 24    |
| $P_{1st}$ (mW)                                              |      | 29    |            | 26            |       |
| $z_1$ (cm)                                                  |      |       | 1.4        |               |       |
| $z_2$ (cm)                                                  |      |       |            | 0.70          |       |
| $z_{avg}$ (cm)                                              | 2.7  |       |            |               |       |
| $z_{peak}$ (cm)                                             | 2.7  |       |            |               |       |
| $f_{ref}$ (MHz)                                             | 5.0  | 4.9   |            | 5.0           | 5.0   |
| $prr$ (Hz)                                                  | 814  |       |            |               |       |
| $err$ (%)                                                   | -    |       |            |               |       |
| $\eta_{me}$ (%)                                             | -    |       |            |               |       |
| Other Information                                           |      |       |            |               |       |
| $f_{peak}$ at $z_{peak}$ or $z_{avg}$ (W/cm <sup>2</sup> )  | 207  |       |            |               |       |
| $f_{peak}$ at $z_{peak}$ or $z_{avg}$ (mW/cm <sup>2</sup> ) | 123  |       |            |               |       |
| $f_{avg}$ at $z_{peak}$ or $z_{avg}$ (mW/cm <sup>2</sup> )  | 321  |       |            |               |       |
| $P$ at $z_{peak}$ (MPa)                                     | 2.5  |       |            |               |       |
| PWR%                                                        | 100  | 100   |            | 100           | 100   |
| Wave Mode                                                   | Pwr  | Pwr   |            | Pwr           | Pwr   |
| Frequency (B)                                               | n/a  | n/a   |            | n/a           | n/a   |
| Focus (B)                                                   | n/a  | n/a   |            | n/a           | n/a   |
| Search (B)                                                  | n/a  | n/a   |            | n/a           | n/a   |
| Range                                                       | n/a  | n/a   |            | n/a           | n/a   |
| PRF Limit                                                   | n/a  | n/a   |            | n/a           | n/a   |
| Line Density                                                | n/a  | n/a   |            | n/a           | n/a   |
| Flow Mode                                                   | n/a  | n/a   |            | n/a           | n/a   |
| Ref. Frequency (Color)                                      | n/a  | n/a   |            | n/a           | n/a   |
| Focus (Color)                                               | n/a  | n/a   |            | n/a           | n/a   |
| Flow% (Color)                                               | n/a  | n/a   |            | n/a           | n/a   |
| Color Velocity Range (cm/s)                                 | n/a  | n/a   |            | n/a           | n/a   |
| Pocket Size                                                 | n/a  | n/a   |            | n/a           | n/a   |
| Flow Area Depth                                             | n/a  | n/a   |            | n/a           | n/a   |
| Color Line Density                                          | n/a  | n/a   |            | n/a           | n/a   |
| Flow Mode                                                   | PWR  | PWR   |            | PWR           | PWR   |
| High PRF                                                    | OFF  | OFF   |            | OFF           | OFF   |
| Ref. Frequency (D)                                          | Std  | Std   |            | Std           | Std   |
| Focus (D)                                                   | F5   | F7    |            | F2            | F1    |
| Doppler Velocity Range (cm/s)                               | 6.23 | 19.92 |            | 106.25        | 83.88 |
| Sample gate size (cm)                                       | 0.1  | 0.1   |            | 0.1           | 0.1   |
| Sample gate depth (cm)                                      | 2.8  | 6.4   |            | 0.4           | 0.0   |
| Triplex Frame Rate                                          | n/a  | n/a   |            | n/a           | n/a   |
| Triplex VIL Range                                           | n/a  | n/a   |            | n/a           | n/a   |
| Flow Area Lock                                              | n/a  | n/a   |            | n/a           | n/a   |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TB.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $I_p$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model                                            |      | MODE |            | M-Mode        |      |
|-------------------------------------------------------------|------|------|------------|---------------|------|
| CC41R(T)                                                    |      |      |            |               |      |
| Index Label                                                 | MT   | TTS  | at surface | below surface | TTC  |
| Maximum Index Value                                         | 0.80 | 0.12 | 0.12       | 0.23          | 0.15 |
| Index Component Value                                       |      |      |            |               |      |
| $P_{avg}$ (MPa)                                             | 1.8  |      |            |               |      |
| $P$ (mW)                                                    |      | 5.2  |            | 3.7           | 6.0  |
| $P_{1st}$ (mW)                                              |      | 5.1  |            | 3.7           |      |
| $z_1$ (cm)                                                  |      |      | 1.4        |               |      |
| $z_2$ (cm)                                                  |      |      |            | 2.3           |      |
| $z_{avg}$ (cm)                                              | 2.4  |      |            |               |      |
| $z_{peak}$ (cm)                                             | 2.4  |      |            |               |      |
| $f_{ref}$ (MHz)                                             | 5.2  | 4.9  |            | 5.2           | 4.7  |
| $prr$ (Hz)                                                  | 1002 |      |            |               |      |
| $err$ (%)                                                   | -    |      |            |               |      |
| $\eta_{me}$ (%)                                             | -    |      |            |               |      |
| Other Information                                           |      |      |            |               |      |
| $f_{peak}$ at $z_{peak}$ or $z_{avg}$ (W/cm <sup>2</sup> )  | 341  |      |            |               |      |
| $f_{peak}$ at $z_{peak}$ or $z_{avg}$ (mW/cm <sup>2</sup> ) | 83   |      |            |               |      |
| $f_{avg}$ at $z_{peak}$ or $z_{avg}$ (mW/cm <sup>2</sup> )  | 195  |      |            |               |      |
| $P$ at $z_{peak}$ (MPa)                                     | 2.7  |      |            |               |      |
| PWR%                                                        | 100  | 100  |            | 100           | 100  |
| Wave Mode                                                   | M    | M    |            | M             | M    |
| Frequency (B)                                               | FND  | FND  |            | FND           | FND  |
| Focus (B)                                                   | Std  | Std  |            | Std           | Std  |
| Search (B)                                                  | F4   | F6   |            | F4            | F7   |
| Range                                                       | n/a  | n/a  |            | n/a           | n/a  |
| PRF Limit                                                   | 21.0 | 21.0 |            | 21.0          | 21.0 |
| Line Density                                                | n/a  | n/a  |            | n/a           | n/a  |
| Flow Mode                                                   | n/a  | n/a  |            | n/a           | n/a  |
| Ref. Frequency (Color)                                      | n/a  | n/a  |            | n/a           | n/a  |
| Focus (Color)                                               | n/a  | n/a  |            | n/a           | n/a  |
| Flow% (Color)                                               | n/a  | n/a  |            | n/a           | n/a  |
| Color Velocity Range (cm/s)                                 | n/a  | n/a  |            | n/a           | n/a  |
| Pocket Size                                                 | n/a  | n/a  |            | n/a           | n/a  |
| Flow Area Depth                                             | n/a  | n/a  |            | n/a           | n/a  |
| Color Line Density                                          | n/a  | n/a  |            | n/a           | n/a  |
| Flow Mode                                                   | n/a  | n/a  |            | n/a           | n/a  |
| High PRF                                                    | n/a  | n/a  |            | n/a           | n/a  |
| Ref. Frequency (D)                                          | n/a  | n/a  |            | n/a           | n/a  |
| Focus (D)                                                   | n/a  | n/a  |            | n/a           | n/a  |
| Doppler Velocity Range (cm/s)                               | n/a  | n/a  |            | n/a           | n/a  |
| Sample gate size (cm)                                       | n/a  | n/a  |            | n/a           | n/a  |
| Sample gate depth (cm)                                      | n/a  | n/a  |            | n/a           | n/a  |
| Triplex Frame Rate                                          | n/a  | n/a  |            | n/a           | n/a  |
| Triplex VIL Range                                           | n/a  | n/a  |            | n/a           | n/a  |
| Flow Area Lock                                              | n/a  | n/a  |            | n/a           | n/a  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TB.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $I_p$                       | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

### Transducer Model

DC41R(T)

ALP/PTWD-mode

| Index Label                   |                      | MI    | TDS        |               | TTR        |               | TTC        |
|-------------------------------|----------------------|-------|------------|---------------|------------|---------------|------------|
| Maximum Index Value           |                      | 0.80  | at surface | below surface | at surface | below surface |            |
| Index Component Value         |                      |       | 0.67       | 0.43          | 0.62       | 1.7           | 1.6        |
| Acoustic Parameters           |                      |       |            |               |            |               |            |
| $P_{\text{ave}}$              | (MPa)                | 1.8   |            |               |            |               |            |
| $P$                           | (mW)                 |       | 29         |               | 26         |               | 26         |
| $P_{\text{tot}}$              | (mW)                 |       | 29         |               | 26         |               |            |
| $z_s$                         | (cm)                 |       |            | 1.4           |            | 0.70          |            |
| $z_R$                         | (cm)                 |       |            |               |            |               |            |
| $z_{\text{ref}}$              | (cm)                 | 2.4   |            |               |            |               |            |
| $z_{\text{plate}}$            | (cm)                 | 2.4   |            |               |            |               |            |
| $f_{\text{ref}}$              | (MHz)                | B-5.1 | D-4.9      |               |            |               | B-5.1, D-5 |
| $f_{\text{PRF}}$              | (Hz)                 | 2353  |            |               |            |               |            |
| $f_{\text{PRF}}$              | (Hz)                 | 15    |            |               |            |               |            |
| $n_{\text{max}}$              |                      | 1.0   |            |               |            |               |            |
| $f_{\text{max}}$              | (W/cm <sup>2</sup> ) | 341   |            |               |            |               |            |
| $f_{\text{max}}$              | (W/cm <sup>2</sup> ) | 129   |            |               |            |               |            |
| $f_{\text{max}}$              | (W/cm <sup>2</sup> ) | 277   |            |               |            |               |            |
| $P_{\text{r}}$                | (MPa)                | 2.7   |            |               |            |               |            |
| Other Information             |                      |       |            |               |            |               |            |
| Power (%)                     |                      | 100   | 100        |               | 100        |               | 100        |
| Tx Mode                       |                      | RPW   | RPW        |               | RPW        |               | RPW        |
| Wave Mode                     |                      | FND   | FND        |               | FND        |               | FND        |
| Frequency (B)                 |                      | Sid   | Sid        |               | Sid        |               | Sid        |
| Focus (B)                     |                      | F4    | F1         |               | F1         |               | F1         |
| Scans (B)                     |                      | 25    | 25         |               | 25         |               | 25         |
| Range (cm)                    |                      | 10.0  | 10.0       |               | 2.5        |               | 2.5        |
| PRF Limit                     |                      | OFF   | OFF        |               | OFF        |               | OFF        |
| Line Density                  |                      | High  | Medium     |               | Low        |               | Medium     |
| Flow Mode                     |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Ref. Frequency (Color)        |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Focus (Color)                 |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Flow (Color)                  |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Color Velocity Range (cm/s)   |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Picket Size                   |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Flow Area Depth (cm)          |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Color Line Density            |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| PR Mode                       |                      | PW    | PW         |               | PW         |               | PW         |
| High PRF                      |                      | OFF   | OFF        |               | OFF        |               | OFF        |
| Ref. Frequency (D)            |                      | Sid   | Sid        |               | Sid        |               | Sid        |
| Focus (D)                     |                      | F7    | F7         |               | F7         |               | F7         |
| Dropper Velocity Range (cm/s) |                      | 19.92 | 56.92      |               | 106.25     |               | 122.60     |
| Sample gate size (cm)         |                      | 0.1   | 0.1        |               | 0.1        |               | 0.1        |
| Sample gate depth (cm)        |                      | 6.4   | 6.4        |               | 0.4        |               | 0.0        |
| Triplets Frame Rate           |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Triplets VTE Range            |                      | n/a   | n/a        |               | n/a        |               | n/a        |
| Flow Area Lock                |                      | n/a   | n/a        |               | n/a        |               | n/a        |

NOTE 1: Only one scanning cycle per index

NOTE 2: Data should be provided for flow and laser surface both in the columns related to TS or TR

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial Doppler uses

NOTE 4: For the implementation of 201 (12.4.20), see next, it is not required to enter any data in the columns related to TTS, TR or TTC.

NOTE 5: If the implementation of 201 (12.4.20) are not, it is not required to enter any data in the columns related to MI.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the scanning control section.

Flow Area Lock

the operating condition per index.

would be entered for at surface and below surface both in the columns related to T15 or T18.

Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to M1.

values cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $\sigma$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| T/I              | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

### Transducer Model

CC41R(T)

MODE

| Index Label                  |                                                                | MI     | TTS        |               | TTB        |               | TTC   |
|------------------------------|----------------------------------------------------------------|--------|------------|---------------|------------|---------------|-------|
| Maximum Index Value          |                                                                | 0.77   | at surface | below surface | at surface | below surface |       |
| Index Component Value        |                                                                |        | 0.67       | 0.42          | 0.59       | 1.7           | 1.3   |
| Acoustic Parameters          | $P_{100}$ (MPa)                                                | 1.7    |            |               |            |               |       |
|                              | $P_{10}$ (mW)                                                  |        |            |               |            |               |       |
|                              | $P_{100}$ (mW)                                                 |        | 29         |               | 25         |               | 25    |
|                              | $\tau_s$ (cm)                                                  |        |            |               |            |               |       |
|                              | $\tau_b$ (cm)                                                  |        |            | 1.4           |            | 0.70          |       |
|                              | $\tau_{10}$ (cm)                                               | 2.7    |            |               |            |               |       |
|                              | $\tau_{100}$ (cm)                                              |        |            |               |            |               |       |
|                              | $f_{ref}$ (MHz)                                                | 5.0    |            |               |            |               |       |
|                              | $f_{ref}$ (Hz)                                                 | 2604   |            |               |            |               |       |
|                              | $f_{ref}$ (Hz)                                                 | -      |            |               |            |               |       |
| Other Information            | $n_{100}$                                                      | -      |            |               |            |               |       |
|                              | $n_{100}$ at $\tau_{100}$ (W/cm <sup>2</sup> )                 | 203    |            |               |            |               |       |
|                              | $f_{100}$ at $\tau_{100}$ or $\tau_{10}$ (mW/cm <sup>2</sup> ) | 165    |            |               |            |               |       |
|                              | $f_{100}$ at $\tau_{10}$ or $\tau_{10}$ (mW/cm <sup>2</sup> )  | 443    |            |               |            |               |       |
|                              | $P_1$ at $\tau_{10}$ (MPa)                                     | 2.6    |            |               |            |               |       |
| Operating Control Conditions | FW%                                                            | (%)    | 100        | 100           | 100        | 100           | 100   |
|                              | Ts Mode                                                        | MFTow  | MFTow      | MFTow         | MFTow      | MFTow         | MFTow |
|                              | Wave Mode                                                      | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Frequency (B)                                                  | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (B)                                                      | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Search (B)                                                     | (%)    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Range                                                          | (cm)   | 21.0       | 10.0          | 2.5        | 2.5           | 2.5   |
|                              | PRF Limit                                                      | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Line Density                                                   | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Mode                                                      | eFlow  | Flow       | Flow          | Flow       | Flow          | Flow  |
|                              | Ref. Frequency (Color)                                         | Sid    | Sid        | Sid           | Sid        | Sid           | Sid   |
|                              | Focus (Color)                                                  | F5     | F7         | F2            | F2         | F2            | F2    |
|                              | Flow% (Color)                                                  | (%)    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Color Velocity Range                                           | (cm/s) | 19.92      | 56.92         | 75.89      | 75.89         | 75.89 |
|                              | Tracker Size                                                   | (cm)   | 21.0       | 21.0          | 21.0       | 21.0          | 21.0  |
|                              | Flow Area Depth                                                | (cm)   | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Color Line Density                                             | (cm)   | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Pw Mode                                                        | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | High PRF                                                       | n/a    | n/a        | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)                                             | (cm/s) | n/a        | n/a           | n/a        | n/a           | n/a   |
| Focus (D)                    | (cm/s)                                                         | n/a    | n/a        | n/a           | n/a        | n/a           |       |
| Dropper Velocity Range       | (cm/s)                                                         | n/a    | n/a        | n/a           | n/a        | n/a           |       |
| Sample gate size             | (cm)                                                           | n/a    | n/a        | n/a           | n/a        | n/a           |       |
| Sample gate depth            | (cm)                                                           | n/a    | n/a        | n/a           | n/a        | n/a           |       |
| Triplets Frame Rate          | (cm)                                                           | n/a    | n/a        | n/a           | n/a        | n/a           |       |
| Triplets VTE Range           | (cm)                                                           | n/a    | n/a        | n/a           | n/a        | n/a           |       |
| Flow Area Lock               | (cm)                                                           | n/a    | n/a        | n/a           | n/a        | n/a           |       |

NOTE 1: Only one scanning per inch per inch.

NOTE 2: Data should not be used for surface and below surface both in the columns related to TTS or TB.

NOTE 3: Information must not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for Intransducer or nontransducer uses.

NOTE 4: If the requirements of 201:12.4.20) are met, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 5: If the requirements of 201:12.4.20) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. This equipment shall be entered in the Index file to be entered in the scanning control section.

NOTE 1 Only one operating condition per Index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TBS.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4. If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns headed 115, 116 or 117.

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NOTE 6: "V" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $P$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60061-2-37 Ed.2 Amd.1)

| Transducer Model                                          | CC41R(T)    | MODE     |               |               |               | B+Color/D-mode |
|-----------------------------------------------------------|-------------|----------|---------------|---------------|---------------|----------------|
|                                                           |             | MT       | TTS           | TTB           | TTC           |                |
| Index Label                                               | Index Label | MT       | TTS           | TTB           | TTC           |                |
| Maximum Index Value                                       |             | 0.80     | 0.68          | 1.7           | 1.6           |                |
| Index Component Value                                     |             |          | 0.68          | 0.44          | 0.63          | 1.7            |
| $P_{r,s}$ (MPa)                                           |             | 1.8      |               |               |               |                |
| $P_{r,s}$ (mW)                                            |             |          | 29            |               | 26            | 26             |
| $P_{r,s}$ (mW)                                            |             |          | 29            |               | 26            |                |
| $z_1$ (cm)                                                |             |          |               | 1.4           |               |                |
| $z_1$ (cm)                                                |             |          |               |               | 0.70          |                |
| $z_{ref}$ (cm)                                            |             | 2.4      |               |               |               |                |
| $z_{ref}$ (cm)                                            |             | 2.4      |               |               |               |                |
| $f_{ref}$ (MHz)                                           |             | B-5.16   | B-5.1,C-5,D-5 | B-5.1,C-5,D-5 | B-5.1,C-5,D-5 |                |
| $f_{ref}$ (Hz)                                            |             | 13724    |               |               |               |                |
| $\eta_{ref}$ (Hz)                                         |             | 15       |               |               |               |                |
| $\eta_{ref}$ (Hz)                                         |             | B-1, C-9 |               |               |               |                |
| $I_{r,s}$ at $z_{ref}$ (W/cm <sup>2</sup> )               |             | 341      |               |               |               |                |
| $I_{r,s}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) |             | 472      |               |               |               |                |
| $I_{r,s}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) |             | 522      |               |               |               |                |
| $P_r$ at $z_{ref}$ (MPa)                                  |             | 2.7      |               |               |               |                |
| $P_r$ at $z_{ref}$ (MPa)                                  |             |          |               |               |               |                |
| $P_r$ (%)                                                 |             | 100      | 100           | 100           | 100           | 100            |
| $P_r$ (W/cm <sup>2</sup> )                                |             | B/P/low  | B/P/low       | B/P/low       | B/P/low       | B/P/low        |
| Wave Mode                                                 |             | FND      | FND           | FND           | FND           | FND            |
| Frequency (B)                                             |             | Sd       | Sd            | Sd            | Sd            | Sd             |
| Focus (B)                                                 |             | F4       | F1            | F1            | F3            | F3             |
| Scans (B)                                                 |             | 27       | 27            | 27            | 27            | 27             |
| Range                                                     |             | 10.0     | 13.0          | 2.5           | 2.5           | 2.5            |
| PRF Limit                                                 |             | OFF      | OFF           | OFF           | OFF           | OFF            |
| Line Density                                              |             | Low      | Medium        | Medium        | Low           | Low            |
| Flow Mode                                                 |             | Flow     | Flow          | Flow          | Flow          | Flow           |
| Ref. Frequency (Color)                                    |             | Sd       | Sd            | Sd            | Sd            | Sd             |
| Focus (Color)                                             |             | F7       | F8            | F3            | F1            | F1             |
| Flow% (Color)                                             |             | 15       | 15            | 15            | 15            | 15             |
| Color Velocity Range                                      |             | 44.27    | 33.20         | 66.41         | 73.89         | 73.89          |
| Picket Size                                               |             | Low      | High          | High          | Medium        | Medium         |
| Flow Area Depth                                           |             | 10.0     | 13.0          | 2.5           | 2.5           | 2.5            |
| Color Line Density                                        |             | 1        | 3             | 3             | 3             | 3              |
| Pre Mode                                                  |             | PW       | PW            | PW            | PW            | PW             |
| High PRF                                                  |             | OFF      | OFF           | OFF           | OFF           | OFF            |
| Ref. Frequency (D)                                        |             | Sd       | Sd            | Sd            | Sd            | Sd             |
| Focus (D)                                                 |             | F1       | F7            | F2            | F1            | F1             |
| Display Velocity Range                                    |             | 122.60   | 56.92         | 144.89        | 122.60        | 122.60         |
| Sample gate size                                          |             | 0.1      | 0.1           | 0.1           | 0.1           | 0.1            |
| Sample gate size                                          |             | 0.0      | 0.4           | 0.4           | 0.0           | 0.0            |
| Triplex Frame Rate                                        |             | Medium   | Medium        | Medium        | Medium        | Medium         |
| Triplex VIL Range                                         |             | BFix     | BFix          | BFix          | BFix          | BFix           |
| Flow Area Lock                                            |             | OFF      | OFF           | OFF           | OFF           | OFF            |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TTS, TTB or TIC.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "v" indicates cable where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{r,s}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60061-2-37 Ed.2 Amd.1)

| Transducer Model                                          | CC41R(T)    | MODE     |           |           |           | B+Color-mode |
|-----------------------------------------------------------|-------------|----------|-----------|-----------|-----------|--------------|
|                                                           |             | MT       | TTS       | TTB       | TTC       |              |
| Index Label                                               | Index Label | MT       | TTS       | TTB       | TTC       |              |
| Maximum Index Value                                       |             | 0.80     | 0.65      | 0.65      | 0.65      | 0.88         |
| Index Component Value                                     |             |          | 0.65      | 0.65      | 0.65      | 0.65         |
| $P_{r,s}$ (MPa)                                           |             | 1.8      |           |           |           |              |
| $P_{r,s}$ (mW)                                            |             |          | 28        |           | 28        | 28           |
| $P_{r,s}$ (mW)                                            |             |          | 28        |           | 28        |              |
| $z_1$ (cm)                                                |             |          |           | -         |           |              |
| $z_1$ (cm)                                                |             | 2.4      |           |           |           |              |
| $z_{ref}$ (cm)                                            |             | 2.4      |           |           |           |              |
| $f_{ref}$ (MHz)                                           |             | B-5.16   | B-5.1,C-5 | B-5.1,C-5 | B-5.1,C-5 | B-5.1,C-5    |
| $f_{ref}$ (Hz)                                            |             | 6758     |           |           |           |              |
| $\eta_{ref}$ (Hz)                                         |             | 111      |           |           |           |              |
| $\eta_{ref}$ (Hz)                                         |             | B-1, C-9 |           |           |           |              |
| $I_{r,s}$ at $z_{ref}$ (W/cm <sup>2</sup> )               |             | 341      |           |           |           |              |
| $I_{r,s}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) |             | 54       |           |           |           |              |
| $I_{r,s}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) |             | 49       |           |           |           |              |
| $P_r$ at $z_{ref}$ (MPa)                                  |             | 2.7      |           |           |           |              |
| $P_r$ at $z_{ref}$ (MPa)                                  |             |          |           |           |           |              |
| $P_r$ (%)                                                 |             | 100      | 100       | 100       | 100       | 100          |
| $P_r$ (W/cm <sup>2</sup> )                                |             | B/P/low  | B/P/low   | B/P/low   | B/P/low   | B/P/low      |
| Wave Mode                                                 |             | FND      | FND       | FND       | FND       | FND          |
| Frequency (B)                                             |             | Sd       | Sd        | Sd        | Sd        | Sd           |
| Focus (B)                                                 |             | F4       | F1        | F1        | F1        | F1           |
| Scans (B)                                                 |             | 35       | 25        | 25        | 25        | 27           |
| Range                                                     |             | 10.0     | 4.5       | 4.5       | 4.5       | 2.5          |
| PRF Limit                                                 |             | OFF      | OFF       | OFF       | OFF       | OFF          |
| Line Density                                              |             | Low      | Low       | Low       | Low       | High         |
| Flow Mode                                                 |             | Flow     | Flow      | Flow      | Flow      | Flow         |
| Ref. Frequency (Color)                                    |             | Sd       | Sd        | Sd        | Sd        | Sd           |
| Focus (Color)                                             |             | F7       | F4        | F4        | F4        | F3           |
| Flow% (Color)                                             |             | 15       | 15        | 15        | 15        | 15           |
| Color Velocity Range                                      |             | 56.92    | 61.30     | 61.30     | 61.30     | 66.41        |
| Picket Size                                               |             | Low      | Low       | Low       | Low       | High         |
| Flow Area Depth                                           |             | 8.5      | 4.5       | 4.5       | 4.5       | 2.5          |
| Color Line Density                                        |             | 1        | 1         | 1         | 1         | 3            |
| Pre Mode                                                  |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| High PRF                                                  |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Ref. Frequency (D)                                        |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Focus (D)                                                 |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Display Velocity Range                                    |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Sample gate size                                          |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Sample gate size                                          |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Triplex Frame Rate                                        |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Triplex VIL Range                                         |             | n/a      | n/a       | n/a       | n/a       | n/a          |
| Flow Area Lock                                            |             | n/a      | n/a       | n/a       | n/a       | n/a          |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to TTS, TTB or TIC.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "v" indicates cable where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{r,s}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

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C22K Convex

Acoustic power is controllable by the user.

| parameter                        | B <sub>0</sub> | B <sub>10</sub> | M <sub>0</sub> | M <sub>10</sub> | D <sub>0</sub> | D <sub>10</sub> | (M+Color)P | (M+Color)I <sub>0</sub> | (B+D) <sub>0</sub> | (B+Color)P | (B+Color)I <sub>0</sub> | (B+Color+D)P | (B+Color+D)I <sub>0</sub> |
|----------------------------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|------------|-------------------------|--------------------|------------|-------------------------|--------------|---------------------------|
| Maximum power                    | 42             | 36              | 19             | 29              | 22             | 26              | 25         | 27                      | 6.5                | 5.1        | 33                      | 6.3          | 27                        |
| p <sub>r</sub>                   | 3.2            | 1.9             | 3.2            | 2.8             | 2.8            | 2.5             | 2.8        | 2.3                     | 3.2                | 3.2        | 1.9                     | 3.2          | 2.7                       |
| L <sub>0</sub>                   | 57             | 92              | 25             | 39              | 31             | 38              | 37         | 39                      | 27                 | 23         | 71                      | 40           | 39                        |
| L <sub>10</sub>                  | 17             | 68              | 365            | 483             | 449            | 545             | 529        | 532                     | 39                 | 2.1        | 99                      | 55           | 522                       |
| PWR%                             | 100            | 100             | 100            | 100             | 100            | 100             | 100        | 100                     | 100                | 100        | 100                     | 100          | 100                       |
| Tx Mode                          | B              | B               | M              | M               | Pw             | Pw              | M/Flow     | M/Flow                  | B/Pw               | B/Flow     | B/Flow                  | B/Flow/Pw    | B/Flow/Pw                 |
| Wave Mode                        | FND            | FND             | FND            | THIRP(L)        | n/a            | n/a             | n/a        | n/a                     | FND                | FND        | FND                     | FND          | FND                       |
| Frequency (B)                    | Std            | Pract           | Std            | Rezo            | n/a            | n/a             | n/a        | n/a                     | Std                | Pract      | Std                     | Pract        | Pract                     |
| Focus (B)                        | F4             | F2              | F4             | F4              | n/a            | n/a             | n/a        | n/a                     | F4                 | F4         | F4                      | F4           | F4                        |
| Scarf% (B)                       | 100            | 25              | n/a            | 30.0            | n/a            | n/a             | n/a        | n/a                     | 100                | 25         | 100                     | 100          | 26                        |
| Range                            | 30.0           | 15.0            | 30.0           | 30.0            | n/a            | n/a             | 30.0       | 30.0                    | 10.0               | 30.0       | 16.0                    | 30.0         | 13.0                      |
| PRF Limit                        | ON             | OFF             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | ON                 | OFF        | ON                      | OFF          | OFF                       |
| Line Density                     | Low            | High            | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | Low                | High       | Low                     | Low          | Low                       |
| Flow Mode                        | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | Flow                      |
| Ref. Frequency (Color)           | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | Rezo                      |
| Focus (Color)                    | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | F4                        |
| Flow% (Color)                    | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | F4                        |
| Color Velocity Range             | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | 15                        |
| Pinklet Size                     | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | 16.60      | 16.60                   | n/a                | 0.63       | 56.92                   | 8.30         | 0.63                      |
| Flow Area Depth                  | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | 30.0       | 30.0                    | n/a                | High       | Low                     | Low          | Medium                    |
| Color Line Density               | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | 16.0       | 30.0                    | 30.0         | 13.0                      |
| Pw Mode                          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | 2                         |
| High PRF                         | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | PW                        |
| Ref. Frequency (D)               | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | OFF                       |
| Focus (D)                        | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | Rezo                      |
| Doppler Velocity Range           | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | F4                        |
| Sample gate size                 | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | 9.96       | 9.96                    | n/a                | n/a        | n/a                     | n/a          | 9.96                      |
| Sample gate depth                | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | 0.1        | 0.1                     | 0.1                | n/a        | n/a                     | n/a          | 0.1                       |
| Triplex Frame Rate               | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | 3.0        | 3.0                     | 0.8                | n/a        | n/a                     | n/a          | 3.0                       |
| Triplex VEL Range                | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | Medium                    |
| Flow Area Lock                   | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | BFix                      |
| L <sub>0</sub>                   | 37             | 26              | 37             | 33              | 35             | 35              | 35         | 35                      | 37                 | 37         | 23                      | 37           | 35                        |
| W <sub>0</sub>                   | 2.1            | 2.9             | 2.1            | 2.5             | 2.3            | 2.3             | 2.3        | 2.3                     | 2.1                | 2.1        | 2.7                     | 2.1          | 2.3                       |
| L <sub>1</sub>                   | 2.8            | 4.4             | 2.8            | 3.3             | 2.9            | 2.9             | 3.0        | 2.9                     | 2.8                | 2.8        | 4.7                     | 2.8          | 2.9                       |
| PRF (PRF)                        | n/a            | n/a             | 1004           | 2003            | 501            | 801             | 1335       | 1335                    | n/a                | n/a        | n/a                     | n/a          | n/a                       |
| SRF (SRF)                        | 38             | 88              | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | 2.8                | 4.6        | 6.9                     | 1.8          | 0.30                      |
| L <sub>10</sub>                  | 1.0            | 1.0             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | 1.0                | 1.0        | n/a                     | n/a          | n/a                       |
| Output beam dimensions           | 59             | 46              | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | 46                 | 46         | 6.7                     | 10           | 9.4                       |
| L <sub>1</sub>                   | 10             | 5.4             | 10             | 10              | 9.4            | 9.4             | 9.4        | 9.4                     | 10                 | 10         | 6.7                     | 10           | 9.4                       |
| L <sub>10</sub>                  | 7.3            | 7.3             | 7.3            | 7.3             | 7.3            | 7.3             | 7.3        | 7.3                     | 7.3                | 7.3        | 7.3                     | 7.3          | 7.3                       |
| L <sub>10</sub>                  | 3.8            | 3.4             | 3.8            | 3.0             | 3.1            | 3.1             | 3.3        | 3.2                     | 3.8                | 3.8        | 2.6                     | 3.8          | 3.1                       |
| Acoustic Power-up fraction       | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | n/a                       |
| Power-up mode                    | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | n/a                       |
| Acoustic Initialization fraction | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | n/a                       |
| Acoustic Initialization mode     | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a        | n/a                     | n/a                | n/a        | n/a                     | n/a          | n/a                       |
| Acoustic output freeze           | Yes            | Yes             | Yes            | Yes             | Yes            | Yes             | Yes        | Yes                     | Yes                | Yes        | Yes                     | Yes          | Yes                       |
| L <sub>10</sub>                  | 0.96           | 0.96            | 0.96           | 0.96            | 0.96           | 0.96            | 0.96       | 0.96                    | 0.96               | 0.96       | 0.96                    | 0.96         | 0.96                      |
| Inclusive modes                  | contact        | contact         | (B+M)          | (B+M)           | contact        | contact         | contact    | contact                 | contact            | contact    | contact                 | contact      | contact                   |

|                              |       |
|------------------------------|-------|
| Maximum output level (dB)    | 18.2% |
| Power-up mode                | 2.0%  |
| Acoustic Initialization mode | 3.0%  |
| Acoustic output freeze       | 18.2% |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model                                                                                                                                                      |                                                                                                               | C22K    |  | MODE    |  | B/N-Mode |  |         |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------|--|---------|--|----------|--|---------|--|--|
| Index Label                                                                                                                                                           |                                                                                                               | MT      |  | TIS     |  | TIB      |  | TIC     |  |  |
| Maximum Index Value                                                                                                                                                   |                                                                                                               | 1.4     |  | 0.64    |  | 0.94     |  | 1.1     |  |  |
| Index Component Value                                                                                                                                                 |                                                                                                               | 2.0     |  | 0.63    |  | 0.22     |  | 0.94    |  |  |
| Acoustic Parameters                                                                                                                                                   | $P_{\text{ave}}$ (mPa)                                                                                        | 36      |  | 36      |  | 33       |  | 40      |  |  |
|                                                                                                                                                                       | $P_{\text{pk}}$ (mPa)                                                                                         | 36      |  | 36      |  | 22       |  |         |  |  |
|                                                                                                                                                                       | $P_{\text{rms}}$ (mPa)                                                                                        | 0.82    |  | 0.82    |  | 1.8      |  |         |  |  |
|                                                                                                                                                                       | $P_{\text{avg}}$ (mPa)                                                                                        | 2.0     |  | 2.0     |  |          |  |         |  |  |
|                                                                                                                                                                       | $P_{\text{avg}}$ (mPa)                                                                                        | 2.0     |  | 2.0     |  |          |  |         |  |  |
| Other Information                                                                                                                                                     | $f_{\text{res}}$ (MHz)                                                                                        | 2.2     |  | 3.8     |  | 2.2      |  | 3.4     |  |  |
|                                                                                                                                                                       | $f_{\text{prf}}$ (Hz)                                                                                         | 2004    |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | $f_{\text{err}}$ (Hz)                                                                                         | 8.5     |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | $n_{\text{res}}$                                                                                              | 2.0     |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | $f_{\text{res}}$ MHz $\times f_{\text{prf}}$                                                                  | 1666    |  |         |  |          |  |         |  |  |
| Operating Control Conditions                                                                                                                                          | $f_{\text{resave}}$ MHz $\times f_{\text{prfave}}$ Off $\times n_{\text{ave}}$                                | 164     |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | $f_{\text{resave}}$ MHz $\times f_{\text{prfave}}$ Off $\times f_{\text{ave}}$                                | 223     |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | $P_{\text{ave}}$ dB $\times f_{\text{prf}}$ Off $\times f_{\text{ave}}$                                       | 2.3     |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | TH Mode                                                                                                       | B/M     |  | B/M     |  | B/M      |  | B/M     |  |  |
|                                                                                                                                                                       | Wave Mode                                                                                                     | THDP(L) |  | THDP(L) |  | THDP(L)  |  | THDP(L) |  |  |
|                                                                                                                                                                       | Frequency (B)                                                                                                 | PND     |  | PND     |  | PND      |  | PND     |  |  |
|                                                                                                                                                                       | Focus (B)                                                                                                     | F3      |  | F1      |  | F3       |  | F1      |  |  |
|                                                                                                                                                                       | Search (B)                                                                                                    | 100     |  | 25      |  | 100      |  | 25      |  |  |
|                                                                                                                                                                       | Range                                                                                                         | (cm)    |  | 4.5     |  | 30.0     |  | 4.5     |  |  |
|                                                                                                                                                                       | PRF Limit                                                                                                     | ON      |  | OFF     |  | ON       |  | OFF     |  |  |
| Flow Mode                                                                                                                                                             | Line Density                                                                                                  | Low     |  | Low     |  | Low      |  | Low     |  |  |
|                                                                                                                                                                       | Flow Mode                                                                                                     | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Ref. Frequency (Coh)                                                                                          | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Focus (Coh)                                                                                                   | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Flow% (Coh)                                                                                                   | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Cable Velocity Range                                                                                          | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Packet Size                                                                                                   | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Flow Area Depth                                                                                               | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Cable Line Density                                                                                            | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | PR Mode                                                                                                       | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
| High PRF                                                                                                                                                              | Ref. Frequency (D)                                                                                            | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Focus (D)                                                                                                     | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Droplet Velocity Range                                                                                        | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Sample gate size                                                                                              | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Sample gate depth                                                                                             | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Triple Pulse Area                                                                                             | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Triplet VEL. Range                                                                                            | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | Flow Area Lock                                                                                                | n/a     |  | n/a     |  | n/a      |  | n/a     |  |  |
|                                                                                                                                                                       | NOTE 1 Only one operating condition per Index.                                                                |         |  |         |  |          |  |         |  |  |
|                                                                                                                                                                       | NOTE 2 Data should be entered for all surfaces and backer surfaces both in the columns related to TIS or TIB. |         |  |         |  |          |  |         |  |  |
| NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transmitted or resonant capsule cases.                             |                                                                                                               |         |  |         |  |          |  |         |  |  |
| NOTE 4 When requirements of 201.12.2.2 are met, it is not required to enter any data in the columns related to TIB, TB or TEL.                                        |                                                                                                               |         |  |         |  |          |  |         |  |  |
| NOTE 5 When requirements of 201.12.2.2 are met, it is not required to enter any data in the column related to ML.                                                     |                                                                                                               |         |  |         |  |          |  |         |  |  |
| NOTE 6 "-" indicates cable where a numerical value should be entered. The equivalent setting related to the Index has to be entered in the operating control section. |                                                                                                               |         |  |         |  |          |  |         |  |  |

Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model                                                                                                                                                  |                                              | MODE       |     |            |     | PWP-Mode   |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------|-----|------------|-----|------------|-----|
| C22K                                                                                                                                                              |                                              | M          |     |            |     | M          |     |
| Index Label                                                                                                                                                       |                                              | TIS        |     | TIB        |     | TTC        |     |
| Maximum Index Value                                                                                                                                               |                                              | at surface |     | at surface |     | at surface |     |
| Index Component Value                                                                                                                                             |                                              | 0.40       |     | 0.37       |     | 1.6        |     |
| Acoustic Parameters                                                                                                                                               | $P_{ref}$ (MPa)                              | 2.2        |     |            |     |            |     |
|                                                                                                                                                                   | $P$ (mW)                                     |            |     |            |     |            |     |
|                                                                                                                                                                   | $P_{tot}$ (mW)                               |            | 26  |            | 31  |            | 31  |
|                                                                                                                                                                   | $z_s$ (cm)                                   |            |     | 1.4        |     |            | 2.0 |
|                                                                                                                                                                   | $z_n$ (cm)                                   |            |     |            |     |            |     |
|                                                                                                                                                                   | $z_{tot}$ (cm)                               | 3.0        |     |            |     |            |     |
| Other Information                                                                                                                                                 | $z_{ref}$ (cm)                               | 3.0        |     |            |     |            |     |
|                                                                                                                                                                   | $z_{ref}$ (cm)                               | 3.0        |     |            |     |            |     |
|                                                                                                                                                                   | $f_{ref}$ (MHz)                              | 3.1        |     |            |     |            |     |
|                                                                                                                                                                   | $PRF$ (Hz)                                   | 501        |     |            | 2.5 |            | 2.6 |
|                                                                                                                                                                   | $PRF$ (Hz)                                   | -          |     |            |     |            |     |
|                                                                                                                                                                   | $P_{PRF}$ (W/cm²)                            | -          |     |            |     |            |     |
|                                                                                                                                                                   | $I_{PRF}$ at $z_{PRF}$ (W/cm²)               | 380        |     |            |     |            |     |
|                                                                                                                                                                   | $I_{PRF}$ at $z_{PRF}$ at $z_{ref}$ (mW/cm²) | 226        |     |            |     |            |     |
|                                                                                                                                                                   | $I_{PRF}$ at $z_{PRF}$ at $z_{ref}$ (mW/cm²) | 449        |     |            |     |            |     |
|                                                                                                                                                                   | $P_r$ at $z_{PRF}$ (MPa)                     | 2.8        |     |            |     |            |     |
| Operating Control Conditions                                                                                                                                      | PWP%                                         |            | 100 |            | 100 |            | 100 |
|                                                                                                                                                                   | Tx Mode                                      | Pwp        |     |            | Pwp |            | Pwp |
|                                                                                                                                                                   | Wave Mode                                    | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Frequency (B)                                | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Focus (B)                                    | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Scan% (B)                                    | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Range                                        | (cm)       | n/a |            | n/a |            | n/a |
|                                                                                                                                                                   | PRF Limit                                    | (cm)       | n/a |            | n/a |            | n/a |
|                                                                                                                                                                   | Line Density                                 | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Flow Mode                                    | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Ref. Frequency (Color)                       | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Focus (Color)                                | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Flow% (Color)                                | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Color Velocity Range                         | (cm/s)     | n/a |            | n/a |            | n/a |
|                                                                                                                                                                   | Packer Size                                  | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Flow Area Depth                              | (cm)       | n/a |            | n/a |            | n/a |
|                                                                                                                                                                   | Color Line Density                           | n/a        |     |            | n/a |            | n/a |
|                                                                                                                                                                   | Pw Mode                                      | n/a        |     |            | PW  |            | PW  |
|                                                                                                                                                                   | High PRF                                     | OFF        |     |            | OFF |            | OFF |
| Ref. Frequency (D)                                                                                                                                                | Remo                                         |            |     | Std        |     | Std        |     |
| Focus (D)                                                                                                                                                         | F4                                           |            |     | F3         |     | F1         |     |
| Dropper Velocity Range                                                                                                                                            | (cm/s)                                       | 6.23       |     | 106.25     |     | 177.08     |     |
| Sample gate size                                                                                                                                                  | (cm)                                         | 0.1        |     | 0.1        |     | 0.1        |     |
| Sample gate depth                                                                                                                                                 | (cm)                                         | 3.0        |     | 3.0        |     | 2.0        |     |
| Triplex Frame Rate                                                                                                                                                | n/a                                          |            |     | n/a        |     | n/a        |     |
| Triplex VEL Range                                                                                                                                                 | n/a                                          |            |     | n/a        |     | n/a        |     |
| Flow Area Lock                                                                                                                                                    | n/a                                          |            |     | n/a        |     | n/a        |     |
| NOTE 1: Cells are operating condition per hole.                                                                                                                   |                                              |            |     |            |     |            |     |
| NOTE 2: Data should be entered for all sections and below surface both in the columns related to TIS or TIB.                                                      |                                              |            |     |            |     |            |     |
| NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY, but transfer for transducer or recorded acoustic data.                        |                                              |            |     |            |     |            |     |
| NOTE 4: If the requirements of 201.12.2.26 are met, it is not required to enter any data in the columns related to TIB, TB or TIC.                                |                                              |            |     |            |     |            |     |
| NOTE 5: If the requirements of 201.12.2.26 are met, it is not required to enter any data in the column related to M.                                              |                                              |            |     |            |     |            |     |
| NOTE 6: "-" indicates cells where a numerical value should be entered. This value may be entered in the index box to be entered in the operating control section. |                                              |            |     |            |     |            |     |



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model                                                                                                                                                      |                                       | C22K                  |       | MODE  |       |       |       | B/PWD-mode |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|-------|-------|-------|-------|-------|------------|------|
| Index Label                                                                                                                                                           |                                       | MI                    |       | TIS   |       | TIB   |       | TIC        |      |
| Maximum Index Value                                                                                                                                                   |                                       | 1.4                   |       | 0.44  |       | 1.6   |       | 1.7        |      |
| Index Component Value                                                                                                                                                 |                                       |                       |       | 0.44  |       | 0.38  |       | 1.6        |      |
| Acoustic Parameters                                                                                                                                                   | $P_{rms}$                             | (MPa)                 | 2.0   |       |       |       |       |            |      |
|                                                                                                                                                                       | $P$                                   | (mW)                  |       | 32    |       | 31    |       |            | 31   |
|                                                                                                                                                                       | $P_{ul}$                              | (mW)                  |       | 32    |       | 31    |       |            |      |
|                                                                                                                                                                       | $F_s$                                 | (cm)                  |       |       | 0.63  |       |       |            |      |
|                                                                                                                                                                       | $z_k$                                 | (cm)                  |       | 2.7   |       |       |       | 2.0        |      |
| Other Information                                                                                                                                                     | $z_{avg}$                             | (cm)                  |       |       |       |       |       |            |      |
|                                                                                                                                                                       | $F_{rms}$                             | (mHz)                 | B2-18 |       |       |       |       |            |      |
|                                                                                                                                                                       | $f_{ref}$                             | (Hz)                  | 700   |       |       |       |       |            |      |
|                                                                                                                                                                       | $f_{TIF}$                             | (Hz)                  | 2.8   |       |       |       |       |            |      |
|                                                                                                                                                                       | $f_{TIF}$                             | (Hz)                  | 2.0   |       |       |       |       |            |      |
| Operating Control Conditions                                                                                                                                          | $I_{FMS}$ at $z_{FMS}$                | (W/cm <sup>2</sup> )  | 208   |       |       |       |       |            |      |
|                                                                                                                                                                       | $I_{FMS}$ at $z_{FMS}$ OR $z_{1+0.5}$ | (mW/cm <sup>2</sup> ) | 36    |       |       |       |       |            |      |
|                                                                                                                                                                       | $I_{FMS}$ at $z_{ref}$ OR $z_{1.5}$   | (mW/cm <sup>2</sup> ) | 41    |       |       |       |       |            |      |
|                                                                                                                                                                       | $P$ at $z_{FMS}$                      | (MPa)                 | 2.5   |       |       |       |       |            |      |
|                                                                                                                                                                       | $P_{TIS}$                             | (%)                   | 100   | 100   | 100   | 100   | 100   | 100        | 100  |
| Operating Control Conditions                                                                                                                                          | TS Mode                               | B/P=                  |       |       |       |       |       |            |      |
|                                                                                                                                                                       | Wave Mode                             | THDPL                 |       |       |       |       |       |            |      |
|                                                                                                                                                                       | Frequency (B)                         | Preset                |       |       |       |       |       |            |      |
|                                                                                                                                                                       | Focus (B)                             | F4                    |       | F1    | F1    | F1    | F1    | F1         | F1   |
|                                                                                                                                                                       | Scan% (B)                             | 100                   | 25    | 25    | 25    | 25    | 25    | 25         | 25   |
|                                                                                                                                                                       | Range                                 | 30.0                  | 9.0   | 30.0  | 30.0  | 30.0  | 30.0  | 30.0       | 30.0 |
|                                                                                                                                                                       | PRF Limit                             | ON                    | OFF   | OFF   | OFF   | OFF   | OFF   | OFF        | OFF  |
|                                                                                                                                                                       | Line Density                          | Low                   | High  | Low   | Low   | Low   | Low   | Low        | Low  |
|                                                                                                                                                                       | Flow Mode                             | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
|                                                                                                                                                                       | Ref. Frequency (Color)                | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
|                                                                                                                                                                       | Focus (Color)                         | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
|                                                                                                                                                                       | Flow% (Color)                         | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
|                                                                                                                                                                       | Color Velocity Range                  | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
|                                                                                                                                                                       | Prcket Size                           | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
|                                                                                                                                                                       | Flow Area Depth                       | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        | n/a  |
| Color Line Density                                                                                                                                                    | n/a                                   | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        |      |
| Pre Mode                                                                                                                                                              | PW                                    | PW                    | PW    | PW    | PW    | PW    | PW    | PW         |      |
| High PRF                                                                                                                                                              | OFF                                   | OFF                   | OFF   | OFF   | OFF   | OFF   | OFF   | OFF        |      |
| Ref. Frequency (D)                                                                                                                                                    | Remo                                  | Ref                   | Ref   | Ref   | Ref   | Ref   | Ref   | Ref        |      |
| Focus (D)                                                                                                                                                             | F1                                    | F1                    | F1    | F1    | F1    | F1    | F1    | F1         |      |
| Doppler Velocity Range                                                                                                                                                | 6.23                                  | 177.08                | 33.20 | 93.25 | 93.25 | 93.25 | 93.25 | 93.25      |      |
| Sample gate size                                                                                                                                                      | 0.1                                   | 0.1                   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1        |      |
| Sample gate depth                                                                                                                                                     | 0.8                                   | 0.8                   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0        |      |
| Triplex Frame Rate                                                                                                                                                    | n/a                                   | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        |      |
| Triplex VILL Range                                                                                                                                                    | n/a                                   | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        |      |
| Flow Area Lock                                                                                                                                                        | n/a                                   | n/a                   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a        |      |
| NOTE 1 Only one operating condition per index.                                                                                                                        |                                       |                       |       |       |       |       |       |            |      |
| NOTE 2 Data should be entered for at surface and below surface both in the columns related to TS or TB.                                                               |                                       |                       |       |       |       |       |       |            |      |
| NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transducer or noncontact capsize uses.                             |                                       |                       |       |       |       |       |       |            |      |
| NOTE 4 If the requirements of 2017-12.4.26) are met, it is not required to enter any data in the columns related to TB, TH or TC.                                     |                                       |                       |       |       |       |       |       |            |      |
| NOTE 5 If the requirements of 2017-12.4.26) are met, it is not required to enter any data in the columns related to ML.                                               |                                       |                       |       |       |       |       |       |            |      |
| NOTE 6 "-" indicating cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section. |                                       |                       |       |       |       |       |       |            |      |



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

| Transducer Model                                                                                                                              |                        | C22K                  |            | MODE              |     | B+Cable/D-mode |     |     |        |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|------------|-------------------|-----|----------------|-----|-----|--------|-------------------|
| Index Label                                                                                                                                   |                        | MT                    |            | TTS               |     | T7B            |     | T7C |        |                   |
| Maximum Index Value                                                                                                                           |                        | 1.4                   |            | 0.41              |     | 1.5            |     | 1.7 |        |                   |
| Index Component Value                                                                                                                         |                        |                       |            |                   |     |                |     |     |        |                   |
| Acoustic Parameters                                                                                                                           | $P_{ref}$              | (MPa)                 | 2.0        |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $P_{ref}$              | (mW)                  |            | 28                |     | 31             |     |     | 31     |                   |
|                                                                                                                                               | $P_{ref}$              | (mW)                  |            | 27                |     | 31             |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (cm)                  |            |                   | 1.4 |                | 2.0 |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (cm)                  |            |                   |     |                |     |     |        |                   |
| Other Information                                                                                                                             | $F_{ref}$              | (MHz)                 | B:2.18     | B:3.4,C:3.2,D:3.1 |     |                |     |     |        | B:3.4,C:3.2,D:2.5 |
|                                                                                                                                               | $F_{ref}$              | (Hz)                  | 801        |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (Hz)                  | 1.8        |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | B:2, C:9              |            |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (W/cm²)               | 208        |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (mW/cm²) or $F_{ref}$ | 51         |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (mW/cm²) or $F_{ref}$ | 56         |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (MPa)                 | 2.5        |                   |     |                |     |     |        |                   |
|                                                                                                                                               | $F_{ref}$              | (%)                   | 100        |                   |     |                |     |     |        | 100               |
|                                                                                                                                               | $F_{ref}$              | B/P/low/Pw            | B/P/low/Pw |                   |     |                |     |     |        | B/P/low/Pw        |
| Operating Control Conditions                                                                                                                  | Wave Mode              | THUP(L)               | FND        |                   |     |                |     |     |        | FND               |
|                                                                                                                                               | Frequency (B)          | Pretest               | Pretest    |                   |     |                |     |     |        | Pretest           |
|                                                                                                                                               | Focus (B)              | F4                    | F1         |                   |     |                |     |     |        | F1                |
|                                                                                                                                               | Scan/6 (B)             | (%)                   | 100        |                   |     |                |     |     |        | 25                |
|                                                                                                                                               | Range                  | (cm)                  | 7.0        |                   |     |                |     |     |        | 16.0              |
|                                                                                                                                               | PRF Limit              | ON                    | OFF        |                   |     |                |     |     |        | OFF               |
|                                                                                                                                               | Laser Density          | Low                   | Low        |                   |     |                |     |     |        | Low               |
|                                                                                                                                               | Flow Mode              | Flow                  | Flow       |                   |     |                |     |     |        | Flow              |
|                                                                                                                                               | Ref. Frequency (Color) | Reso                  | Reso       |                   |     |                |     |     |        | Std               |
|                                                                                                                                               | Focus (Color)          | F1                    | F5         |                   |     |                |     |     |        | F3                |
|                                                                                                                                               | Flow/6 (Color)         | (%)                   | 100        |                   |     |                |     |     |        | 15                |
|                                                                                                                                               | Color Velocity Range   | (cm/s)                | 8.30       |                   |     |                |     |     |        | 33.20             |
|                                                                                                                                               | Packet Size            | Low                   | Medium     |                   |     |                |     |     |        | Low               |
|                                                                                                                                               | Flow Area Depth        | (cm)                  | 30.0       |                   |     |                |     |     |        | 16.0              |
|                                                                                                                                               | Color Line Density     | 1                     | 2          |                   |     |                |     |     |        | 1                 |
| Pw Mode                                                                                                                                       | PW                     | PW                    |            |                   |     |                |     |     | PW     |                   |
| High PRF                                                                                                                                      | OFF                    | OFF                   |            |                   |     |                |     |     | OFF    |                   |
| Ref. Frequency (D)                                                                                                                            | Reso                   | Reso                  |            |                   |     |                |     |     | Std    |                   |
| Focus (D)                                                                                                                                     | F1                     | F4                    |            |                   |     |                |     |     | F3     |                   |
| Dropper Velocity Range                                                                                                                        | (cm/s)                 | 8.30                  |            |                   |     |                |     |     | 106.25 |                   |
| Sample gate size                                                                                                                              | (cm)                   | 0.1                   |            |                   |     |                |     |     | 0.1    |                   |
| Sample gate depth                                                                                                                             | (cm)                   | 0.8                   |            |                   |     |                |     |     | 3.0    |                   |
| Triplex Frame Rate                                                                                                                            | Medium                 | Medium                |            |                   |     |                |     |     | Medium |                   |
| Triplex VDI Range                                                                                                                             | HP's                   | HP's                  |            |                   |     |                |     |     | HP's   |                   |
| Flow Area Lock                                                                                                                                | OFF                    | OFF                   |            |                   |     |                |     |     | OFF    |                   |
| NOTE 1: Only one operating condition per index.                                                                                               |                        |                       |            |                   |     |                |     |     |        |                   |
| NOTE 2: Data should be entered for all surface and buffer areas both in the columns related to TB or TC.                                      |                        |                       |            |                   |     |                |     |     |        |                   |
| NOTE 3: Information not provided regarding TIC for any TRANSDUCER ASSEMBLY not marked for transmission or recorded couplet area.              |                        |                       |            |                   |     |                |     |     |        |                   |
| NOTE 4: If the requirements of 201:12.2(b) are met, it is not required to enter any data in the columns related to TB, TC or TL.              |                        |                       |            |                   |     |                |     |     |        |                   |
| NOTE 5: If the requirements of 201:12.2(b) are met, it is not required to enter any data in the columns related to ML.                        |                        |                       |            |                   |     |                |     |     |        |                   |
| NOTE 6: "-" Indicates cells where a numerical value should be entered. The required value should be entered in the operating control section. |                        |                       |            |                   |     |                |     |     |        |                   |

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

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C42K Convex

Acoustic power is controllable by the user.

| parameter                        | B <sub>0</sub> | B <sub>100%</sub> | M       | D <sub>0</sub> | D <sub>100%</sub> | (M+Color)P | (M+Color)I <sub>90%</sub> | (B+D) <sub>0</sub> | (B+D) <sub>100%</sub> | (B+Color)P | (B+Color)I <sub>90%</sub> | (B+Color+D)P | (B+Color+D)I <sub>90%</sub> |
|----------------------------------|----------------|-------------------|---------|----------------|-------------------|------------|---------------------------|--------------------|-----------------------|------------|---------------------------|--------------|-----------------------------|
| Maximum power                    | 7.9            | 11                | 5.0     | 5.3            | 12                | 3.1        | 12                        | 2.1                | 12                    | 2.6        | 12                        | 1.4          | 12                          |
| P <sub>0</sub>                   | (mW)           |                   |         |                |                   |            |                           |                    |                       |            |                           |              |                             |
| P <sub>100%</sub>                | (mW)           |                   |         |                |                   |            |                           |                    |                       |            |                           |              |                             |
| I <sub>0</sub>                   | (mW/cm²)       |                   |         |                |                   |            |                           |                    |                       |            |                           |              |                             |
| I <sub>100%</sub>                | (mW/cm²)       |                   |         |                |                   |            |                           |                    |                       |            |                           |              |                             |
| PWR%                             | (%)            |                   |         |                |                   |            |                           |                    |                       |            |                           |              |                             |
| Tx Mode                          | B              | B                 | M       | Pw             | Pw                | M/Flow     | M/Flow                    | THP(L)             | THP(L)                | B/Flow     | B/Flow                    | B/Flow/Pw    | B/Flow/Pw                   |
| Wave Mode                        | THP(L)         | THP(L)            | THP(L)  | n/a            | n/a               | n/a        | n/a                       | THP(L)             | THP(L)                | THP(L)     | THP(L)                    | THP(L)       | THP(L)                      |
| Frequency (B)                    | Prent          | Prent             | Prent   | n/a            | n/a               | n/a        | n/a                       | Prent              | Prent                 | Prent      | Prent                     | Prent        | Prent                       |
| Focus (B)                        | F4             | F4                | F4      | n/a            | n/a               | n/a        | n/a                       | F4                 | F4                    | F4         | F4                        | F4           | F4                          |
| Scan's (B)                       | F2             | F2                | F2      | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Range                            | 25             | 25                | 25      | n/a            | n/a               | n/a        | n/a                       | 25                 | 25                    | 25         | 25                        | 25           | 27                          |
| PRF Limit                        | 21.0           | 21.0              | 21.0    | n/a            | n/a               | n/a        | n/a                       | 21.0               | 21.0                  | 21.0       | 21.0                      | 21.0         | 3.5                         |
| Line Density                     | ON             | OFF               | n/a     | n/a            | n/a               | n/a        | n/a                       | ON                 | OFF                   | ON         | OFF                       | ON           | OFF                         |
| Flow Mode                        | Low            | High              | n/a     | n/a            | n/a               | n/a        | n/a                       | Low                | High                  | Low        | High                      | Low          | Low                         |
| Ref. Frequency (Color)           | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Focus (Color)                    | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Flow's (Color)                   | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Color Velocity Range             | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Picket Size                      | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Flow Area Depth                  | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Color Line Density               | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Pw Mode                          | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| High PRF                         | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Ref. Frequency (D)               | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Focus (D)                        | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Doppler Velocity Range           | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Sample gate size                 | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Sample gate depth                | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Triplex Frame Rate               | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Triplex VFL Range                | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Flow Area Lock                   | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| F <sub>0</sub>                   | 29             | 16                | 29      | 26             | 19                | 26         | 19                        | 29                 | 19                    | 29         | 19                        | 29           | 26                          |
| F <sub>100%</sub>                | (Hz)           | (Hz)              | (Hz)    | (Hz)           | (Hz)              | (Hz)       | (Hz)                      | (Hz)               | (Hz)                  | (Hz)       | (Hz)                      | (Hz)         | (Hz)                        |
| λ <sub>0</sub>                   | 1.3            | 1.6               | 1.3     | 1.4            | 1.4               | 1.4        | 1.4                       | 1.3                | 1.4                   | 1.3        | 1.4                       | 1.3          | 1.4                         |
| λ <sub>100%</sub>                | (mm)           | (mm)              | (mm)    | (mm)           | (mm)              | (mm)       | (mm)                      | (mm)               | (mm)                  | (mm)       | (mm)                      | (mm)         | (mm)                        |
| PRF (PRF)                        | 1.9            | 2.4               | 1.9     | 1.7            | 1.7               | 1.7        | 1.7                       | 1.9                | 1.7                   | 1.9        | 1.7                       | 1.9          | 1.7                         |
| PRF (SRF)                        | (Hz)           | (Hz)              | (Hz)    | (Hz)           | (Hz)              | (Hz)       | (Hz)                      | (Hz)               | (Hz)                  | (Hz)       | (Hz)                      | (Hz)         | (Hz)                        |
| PRF                              | 19             | 139               | n/a     | n/a            | n/a               | n/a        | n/a                       | 2.6                | 14                    | 4.4        | 38                        | 0.51         | 21                          |
| PRF                              | 2.0            | 2.0               | n/a     | n/a            | n/a               | n/a        | n/a                       | 2.0                | 2.0                   | B-2, C-9   | B-1, C-13                 | B-2, C-9     | B-1, C-11                   |
| PRF                              | 83             | 50                | n/a     | n/a            | n/a               | n/a        | n/a                       | 83                 | 37                    | B-37, C-32 | B-37, C-18                | B-37, C-32   | B-17, C-5                   |
| Output beam dimensions           | (mm)           | (mm)              | (mm)    | (mm)           | (mm)              | (mm)       | (mm)                      | (mm)               | (mm)                  | (mm)       | (mm)                      | (mm)         | (mm)                        |
| F <sub>0</sub>                   | 9.0            | 3.6               | 9.0     | 7.2            | 4.7               | 7.2        | 4.7                       | 9.0                | 4.7                   | 9.0        | 4.7                       | 9.0          | 7.2                         |
| F <sub>100%</sub>                | (mm)           | (mm)              | (mm)    | (mm)           | (mm)              | (mm)       | (mm)                      | (mm)               | (mm)                  | (mm)       | (mm)                      | (mm)         | (mm)                        |
| Acoustic Power-up Fraction       | (%)            | (%)               | (%)     | (%)            | (%)               | (%)        | (%)                       | (%)                | (%)                   | (%)        | (%)                       | (%)          | (%)                         |
| Power-up mode                    | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Acoustic Initialization Fraction | (%)            | (%)               | (%)     | (%)            | (%)               | (%)        | (%)                       | (%)                | (%)                   | (%)        | (%)                       | (%)          | (%)                         |
| Initialization mode              | n/a            | n/a               | n/a     | n/a            | n/a               | n/a        | n/a                       | n/a                | n/a                   | n/a        | n/a                       | n/a          | n/a                         |
| Acoustic output stream           | Yes            | Yes               | Yes     | Yes            | Yes               | Yes        | Yes                       | Yes                | Yes                   | Yes        | Yes                       | Yes          | Yes                         |
| PRF                              | 1.0            | 1.0               | 1.0     | 1.0            | 1.0               | 1.0        | 1.0                       | 1.0                | 1.0                   | 1.0        | 1.0                       | 1.0          | 1.0                         |
| PRF                              | (mm)           | (mm)              | (mm)    | (mm)           | (mm)              | (mm)       | (mm)                      | (mm)               | (mm)                  | (mm)       | (mm)                      | (mm)         | (mm)                        |
| Inclusive modes                  | contact        | contact           | contact | contact        | contact           | contact    | contact                   | contact            | contact               | contact    | contact                   | contact      | contact                     |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| I <sub>0</sub>              | 37.14% |
| P <sub>0</sub>              | 18.75% |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $P_{\mu}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| M/I              | 20% or 0.2, whichever larger |
| 77               | 40% or 0.4, whichever larger |

NOTE: " " indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

NOTE: A "✓" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model             | C42K                   | MODE |       |        |  | PWD-Mode |
|------------------------------|------------------------|------|-------|--------|--|----------|
| Index Label                  | MI                     | TTS  | T7B   | T7C    |  |          |
| Maximum Index Value          | 0.65                   | 0.35 | 1.0   | 0.85   |  |          |
| Index Component Value        |                        | 0.35 | 0.22  | 1.0    |  |          |
| Acoustic Parameters          | $P_{ref}$ (MPa)        | 1.6  |       |        |  |          |
|                              | $P_{ref}$ (mW)         |      | 13    | 12     |  |          |
|                              | $P_{ref}$ (mW)         |      | 13    | 12     |  |          |
|                              | $x_a$ (cm)             |      |       |        |  |          |
|                              | $x_b$ (cm)             |      | 1.2   | 0.61   |  |          |
| Other Information            | $x_{ref}$ (cm)         | 2.4  |       |        |  |          |
|                              | $x_{ref}$ (cm)         | 2.4  |       |        |  |          |
|                              | $f_{ref}$ (MHz)        | 5.8  | 5.8   | 5.8    |  |          |
|                              | $f_{ref}$ (Hz)         | 930  |       |        |  |          |
|                              | $f_{ref}$ (Hz)         | -    |       |        |  |          |
| Operating Control Conditions | $f_{ref}$ (Hz)         | -    |       |        |  |          |
|                              | $f_{ref}$ (Hz)         | 173  |       |        |  |          |
|                              | $f_{ref}$ (Hz)         | 103  |       |        |  |          |
|                              | $f_{ref}$ (Hz)         | 274  |       |        |  |          |
|                              | $P_{ref}$ (MPa)        | 2.3  |       |        |  |          |
| Tx Mode                      | PWR%                   | 100  | 100   | 100    |  |          |
|                              | Wave Mode              | Pwr  | Pwr   | Pwr    |  |          |
|                              | Frequency (B)          | n/a  | n/a   | n/a    |  |          |
|                              | Focus (B)              | n/a  | n/a   | n/a    |  |          |
|                              | Scan/θ (B)             | n/a  | n/a   | n/a    |  |          |
| Flow Mode                    | PRF Limit              | n/a  | n/a   | n/a    |  |          |
|                              | Line Density           | n/a  | n/a   | n/a    |  |          |
|                              | Flow Mode              | n/a  | n/a   | n/a    |  |          |
|                              | Ref. Frequency (Color) | n/a  | n/a   | n/a    |  |          |
|                              | Flow% (Color)          | n/a  | n/a   | n/a    |  |          |
| Flow Area Depth              | Color Velocity Range   | n/a  | n/a   | n/a    |  |          |
|                              | Pixel Size             | n/a  | n/a   | n/a    |  |          |
|                              | Flow Area Depth        | n/a  | n/a   | n/a    |  |          |
|                              | Color Line Density     | n/a  | n/a   | n/a    |  |          |
|                              | Pwr Mode               | PW   | PW    | PW     |  |          |
| Flow Area Lock               | High PRF               | OFF  | OFF   | OFF    |  |          |
|                              | Ref. Frequency (D)     | Remo | Remo  | Remo   |  |          |
|                              | Focus (D)              | F4   | F5    | F2     |  |          |
|                              | Doppler Velocity Range | 6.23 | 72.44 | 132.81 |  |          |
|                              | Sample gate size       | 0.1  | 0.1   | 0.1    |  |          |
| Flow Area Lock               | Sample gate depth      | 2.0  | 3.0   | 0.0    |  |          |
|                              | Triplets Frame Rate    | n/a  | n/a   | n/a    |  |          |
|                              | Triplets VIL Range     | n/a  | n/a   | n/a    |  |          |
|                              | Flow Area Lock         | n/a  | n/a   | n/a    |  |          |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or T7B.

NOTE 3 Information need not be provided regarding T7C for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the index has to be entered in the index control section.

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or T7B.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model             | C42K                   | MODE   |        |        |  | M-Mode |
|------------------------------|------------------------|--------|--------|--------|--|--------|
| Index Label                  | MI                     | TTS    | TTB    | T7C    |  |        |
| Maximum Index Value          | 0.74                   | 0.15   | 0.24   | 0.18   |  |        |
| Index Component Value        |                        | 0.15   | 0.10   | 0.24   |  |        |
| Acoustic Parameters          | $P_{ref}$ (MPa)        | 1.8    |        |        |  |        |
|                              | $P_{ref}$ (mW)         | 6.4    | 3.4    | 6.4    |  |        |
|                              | $P_{ref}$ (mW)         | 5.7    | 3.4    |        |  |        |
|                              | $x_a$ (cm)             |        |        |        |  |        |
|                              | $x_b$ (cm)             |        | 1.3    | 1.7    |  |        |
| Other Information            | $x_{ref}$ (cm)         | 2.7    |        |        |  |        |
|                              | $f_{ref}$ (MHz)        | 5.7    | 5.7    | 5.7    |  |        |
|                              | $f_{ref}$ (Hz)         | 2003   |        |        |  |        |
|                              | $f_{ref}$ (Hz)         | -      |        |        |  |        |
|                              | $f_{ref}$ (Hz)         | -      |        |        |  |        |
| Operating Control Conditions | Wave Mode              | THP(L) | THP(L) | THP(L) |  |        |
|                              | Frequency (B)          | Preset | Preset | Preset |  |        |
|                              | Focus (B)              | F4     | F5     | F3     |  |        |
|                              | Scan/θ (B)             | n/a    | n/a    | n/a    |  |        |
|                              | Range                  | n/a    | 21.0   | 21.0   |  |        |
| Flow Mode                    | PRF Limit              | n/a    | n/a    | n/a    |  |        |
|                              | Line Density           | n/a    | n/a    | n/a    |  |        |
|                              | Flow Mode              | n/a    | n/a    | n/a    |  |        |
|                              | Ref. Frequency (Color) | n/a    | n/a    | n/a    |  |        |
|                              | Focus (Color)          | n/a    | n/a    | n/a    |  |        |
| Flow Area Depth              | Flow% (Color)          | n/a    | n/a    | n/a    |  |        |
|                              | Color Velocity Range   | n/a    | n/a    | n/a    |  |        |
|                              | Pixel Size             | n/a    | n/a    | n/a    |  |        |
|                              | Flow Area Depth        | n/a    | n/a    | n/a    |  |        |
|                              | Color Line Density     | n/a    | n/a    | n/a    |  |        |
| Flow Area Lock               | Pwr Mode               | n/a    | n/a    | n/a    |  |        |
|                              | High PRF               | n/a    | n/a    | n/a    |  |        |
|                              | Ref. Frequency (D)     | n/a    | n/a    | n/a    |  |        |
|                              | Focus (D)              | n/a    | n/a    | n/a    |  |        |
|                              | Doppler Velocity Range | n/a    | n/a    | n/a    |  |        |
| Flow Area Lock               | Sample gate size       | n/a    | n/a    | n/a    |  |        |
|                              | Sample gate depth      | n/a    | n/a    | n/a    |  |        |
|                              | Triplets Frame Rate    | n/a    | n/a    | n/a    |  |        |
|                              | Triplets VIL Range     | n/a    | n/a    | n/a    |  |        |
|                              | Flow Area Lock         | n/a    | n/a    | n/a    |  |        |

NOTE 1: Only use these tags: `MI`, `TTS`, `TTB`, `T7C`.

NOTE 2: Data should be entered for all surface and lateral surface both in the columns related to TTS or TTB.

NOTE 3: Information need not be provided for all parameters. Reporting T7C for any TRANSDUCER ASSEMBLY not intended for longitudinal or nonaxial applications.

NOTE 4: If the requirements of 201-13.1.2 are met, it is not required to enter any data in the columns related to TTS, TTB or T7C.

NOTE 5: If the requirements of 201-13.1.2 are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the setting control section.

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or T7B.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TTS, T7B or T7C.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model              |                          | C42K    |              | MODE    |              |         |              | BYPWD-mode |  |
|-------------------------------|--------------------------|---------|--------------|---------|--------------|---------|--------------|------------|--|
| Index Label                   |                          | MI      | TTS          |         | TIB          |         | TTC          |            |  |
| Maximum Index Value           |                          | 0.74    | 0.35         |         | 0.93         |         | 0.75         |            |  |
| Index Component Value         |                          |         | 0.35         |         | 0.23         |         | 0.93         |            |  |
| Acoustic Parameters           | $P_{ave}$ (MPa)          | 1.8     |              |         |              |         |              |            |  |
|                               | $P_{iso}$ (mW)           |         | 13           |         | 12           |         | 12           |            |  |
|                               | $S_a$ (cm)               |         | 13           |         |              |         |              |            |  |
|                               | $S_a$ (cm)               |         |              | 1.2     |              | 0.61    |              |            |  |
|                               | $S_{a1}$ (cm)            | 2.7     |              |         |              |         |              |            |  |
|                               | $S_{a2}$ (cm)            | 2.7     |              |         |              |         |              |            |  |
| Other Information             | $f_{ave}$ (MHz)          | B-5.73  | B-5.5, D-5.8 |         | B-5.5, D-5.8 |         | B-5.5, D-5.8 |            |  |
|                               | $f_{prf}$ (Hz)           | 1115    |              |         |              |         |              |            |  |
|                               | $f_{prf}$ (Hz)           | 2.6     |              |         |              |         |              |            |  |
|                               | $f_{prf}$ (Hz)           | 2.0     |              |         |              |         |              |            |  |
|                               | $f_{prf}$ (Hz)           | 172     |              |         |              |         |              |            |  |
|                               | $f_{prf}$ (Hz)           | 23      |              |         |              |         |              |            |  |
|                               | $f_{prf}$ (Hz)           | 28      |              |         |              |         |              |            |  |
|                               | $P_a$ at $f_{prf}$ (MPa) | 3.0     |              |         |              |         |              |            |  |
|                               | PW/PR (%)                | 100     | 100          | 100     | 100          | 100     | 100          |            |  |
|                               | Tx Mode                  | B/Pw    | B/Pw         | B/Pw    | B/Pw         | B/Pw    | B/Pw         |            |  |
|                               | Wave Mode                | THUP.L  | THUP.L       | THUP.L  | THUP.L       | THUP.L  | THUP.L       |            |  |
|                               | Frequency (B)            | Pretest | Pretest      | Pretest | Pretest      | Pretest | Pretest      |            |  |
| Focus (B)                     | F4                       | F1      | F1           | F1      | F1           | F1      |              |            |  |
| Scan% (B)                     | 100                      | 25      | 25           | 25      | 25           | 25      |              |            |  |
| Range (cm)                    | 21.0                     | 7.0     | 2.0          | 2.0     | 2.0          | 2.0     |              |            |  |
| PRF Limit                     | ON                       | OFF     | OFF          | OFF     | OFF          | OFF     |              |            |  |
| Line Density                  | Low                      | Low     | Low          | Low     | Medium       | Medium  |              |            |  |
| Flow Mode                     | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Ref. Frequency (Color)        | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Flow% (Color)                 | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Color Velocity Range (cm/s)   | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Packet Size                   | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Flow Area Depth (cm)          | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Color Line Density            | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Pw Mode                       | PW                       | PW      | PW           | PW      | PW           | PW      |              |            |  |
| High PRF                      | OFF                      | OFF     | OFF          | OFF     | OFF          | OFF     |              |            |  |
| Ref. Frequency (D)            | Rano                     | Rano    | Rano         | Rano    | Rano         | Rano    |              |            |  |
| Focus (D)                     | F1                       | F5      | F2           | F1      | F1           | F1      |              |            |  |
| Doppler Velocity Range (cm/s) | 6.23                     | 72.44   | 72.44        | 72.44   | 132.81       | 132.81  |              |            |  |
| Sample gate size (cm)         | 0.1                      | 0.1     | 0.1          | 0.1     | 0.1          | 0.1     |              |            |  |
| Sample gate depth (cm)        | 0.2                      | 3.0     | 0.4          | 0.4     | 0.0          | 0.0     |              |            |  |
| Triplets Frame Rate           | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Triplets VHL Range            | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |
| Flow Area Lock                | n/a                      | n/a     | n/a          | n/a     | n/a          | n/a     |              |            |  |

NOTE 1: Only use operating condition per index.

NOTE 2: Information related to the index label and below surface both is the column related to TIB or TH.

NOTE 3: Information related to the index label and below surface both is the column related to TIB or TH.

NOTE 4: If the requirements of 2011 (2.2.2) are met, it is not required to enter any data in the column related to TIB, TH or TTC.

NOTE 5: If the requirements of 2011 (2.2.2) are met, it is not required to enter any data in the column related to MI.

NOTE 6: "n/a" indicates cells where a numerical value shall be entered. The equipment setting related to the index has to be entered in the option section.

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for at surface and below surface both in the column related to TIB or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2c) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pr}}$             | 37.14% |
| $P_{\text{a}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

C42K

MODE

M+Color-mode

| Index Label                  |                                                                   | MI      | TTS        |               | TIB        |               | TTC     |
|------------------------------|-------------------------------------------------------------------|---------|------------|---------------|------------|---------------|---------|
| Maximum Index Value          |                                                                   | 0.68    | at surface | below surface | at surface | below surface | 0.73    |
| Index Component Value        |                                                                   |         | 0.34       | 0.21          | 0.32       | 0.97          |         |
| Acoustic Parameters          | $P_{\text{ave}}$ (MPa)                                            | 1.6     |            |               |            |               |         |
|                              | $P_{\text{iso}}$ (mW)                                             |         | 12         |               | 11         |               | 10      |
|                              | $S_{\text{a}}$ (cm)                                               |         | 12         |               | 11         |               |         |
|                              | $S_{\text{a}}$ (cm)                                               |         |            | 1.2           |            | 0.61          |         |
|                              | $S_{\text{a}}$ (cm)                                               |         |            |               |            |               |         |
|                              | $S_{\text{a}}$ (cm)                                               | 1.6     |            |               |            |               |         |
|                              | $S_{\text{a}}$ (cm)                                               | 1.6     |            |               |            |               |         |
| Other Information            | $f_{\text{ave}}$ (MHz)                                            | 5.8     |            |               |            |               | 5.8     |
|                              | $f_{\text{prf}}$ (Hz)                                             | 1860    |            |               |            |               |         |
|                              | $f_{\text{prf}}$ (Hz)                                             | -       |            |               |            |               |         |
|                              | $f_{\text{prf}}$ (Hz)                                             | -       |            |               |            |               |         |
|                              | $f_{\text{prf}}$ (Hz)                                             | 163     |            |               |            |               |         |
|                              | $f_{\text{prf}}$ at $f_{\text{ave}}$ or $f_{\text{max}}$ (mW/cm²) | 134     |            |               |            |               |         |
|                              | $f_{\text{prf}}$ at $f_{\text{ave}}$ or $f_{\text{max}}$ (mW/cm²) | 279     |            |               |            |               |         |
|                              | $P_{\text{a}}$ at $f_{\text{prf}}$ (MPa)                          | 2.1     |            |               |            |               |         |
|                              | PW/PR (%)                                                         | 100     | 100        | 100           | 100        | 100           | 100     |
|                              | Tx Mode                                                           | M/PFlow | M/PFlow    | M/PFlow       | M/PFlow    | M/PFlow       | M/PFlow |
|                              | Wave Mode                                                         | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Frequency (B)                                                     | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Focus (B)                                                         | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
| Operating Control Conditions | Scan% (B)                                                         | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Range (cm)                                                        | 21.0    | 7.0        | 2.0           | 2.0        | 2.0           | 2.0     |
|                              | PRF Limit                                                         | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Line Density                                                      | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Flow Mode                                                         | Flow    | Flow       | Flow          | Flow       | Flow          | Flow    |
|                              | Ref. Frequency (Color)                                            | Rano    | Rano       | Rano          | Rano       | Rano          | Rano    |
|                              | Flow% (Color)                                                     | F3      | F5         | F2            | F2         | F1            | F1      |
|                              | Color Velocity Range (cm/s)                                       | 12.45   | 20.46      | 66.41         | 66.41      | 66.41         | 66.41   |
|                              | Packet Size                                                       | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Flow Area Depth (cm)                                              | 21.0    | 21.0       | 21.0          | 21.0       | 21.0          | 21.0    |
|                              | Color Line Density                                                | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Pw Mode                                                           | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | High PRF                                                          | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Ref. Frequency (D)                                                | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Focus (D)                                                         | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Doppler Velocity Range (cm/s)                                     | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Sample gate size (cm)                                             | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Sample gate depth (cm)                                            | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Triplets Frame Rate                                               | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Triplets VEL Range                                                | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              | Flow Area Lock                                                    | n/a     | n/a        | n/a           | n/a        | n/a           | n/a     |
|                              |                                                                   |         |            |               |            |               |         |
|                              |                                                                   |         |            |               |            |               |         |
|                              |                                                                   |         |            |               |            |               |         |
|                              |                                                                   |         |            |               |            |               |         |
|                              |                                                                   |         |            |               |            |               |         |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered in the column below surface both in the columns related to TIB or TIB.

NOTE 3: Index should be entered in the column below surface both in the columns related to TIB or TIB.

NOTE 4: If the requirements of 201: 12.4-20) are used, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5: If the requirements of 201: 12.4-20) are used, it is not required to enter any data in the columns related to MI.

NOTE 6: "-" indicates cells where a numerical value should be entered. This equipment/setting related to the index has to be entered in the operating control section.

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for at surface and below surface both in the column related to TIB or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2c) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pr}}$             | 37.14% |
| $P_{\text{a}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |





## (2) Электронные линейные датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

Linear

| parameter                        | Mode                  | $B_p$   | $B_{pmax}$ | $M_p$   | $M_{pmax}$ | $D_p$   | $D_{pmax}$ | (M+C)Color | (M+C)ColorType | (B+D) $\Delta$ | (B+D) $\Delta_{max}$ | (B+C)Color | (B+C)ColorType | (B+C)Color+Dip | (B+C)Color+DipType |
|----------------------------------|-----------------------|---------|------------|---------|------------|---------|------------|------------|----------------|----------------|----------------------|------------|----------------|----------------|--------------------|
| Maximum power                    | (mW)                  | 6.4     | 16         | 2.1     | 9.7        | 11      | 10         | 10         | 10             | 9.0            | 13                   | 14         | 14             | 3.4            | 12                 |
| Power                            | (mW)                  | 4.5     | 3.5        | 4.5     | 3.5        | 5.0     | 1.7        | 5.2        | 5.2            | 5.2            | 2.0                  | 5.2        | 5.2            | 5.2            | 3.1                |
| Power density                    | (mW/cm <sup>2</sup> ) | 18      | 55         | 5.8     | 34         | 39      | 36         | 35         | 35             | 35             | 68                   | 59         | 90             | 36             | 43                 |
| Power density                    | (mW/cm <sup>2</sup> ) | 17      | 172        | 204     | 720        | 1032    | 1068       | 957        | 957            | 788            | 1061                 | 38         | 260            | 71             | 1066               |
| Power density                    | (%)                   | 100     | 100        | 100     | 100        | 100     | 100        | 100        | 100            | 100            | 100                  | 100        | 100            | 100            | 100                |
| Wave Mode                        |                       | B       | B          | M       | M          | Pw      | Pw         | MFlow      | MFlow          | THIRP.L        | THIRP.L              | THIRP.L    | THIRP.L        | THIRP.L        | THIRP.L            |
| Frequency (B)                    |                       | FND     | THIRP.L    | FND     | THIRP.L    | n/a     | n/a        | n/a        | n/a            | THIRP.L        | THIRP.L              | THIRP.L    | THIRP.L        | THIRP.L        | THIRP.L            |
| Focus (B)                        |                       | Std     | Std        | Std     | Std        | n/a     | n/a        | n/a        | n/a            | THIRP.L        | THIRP.L              | THIRP.L    | THIRP.L        | THIRP.L        | THIRP.L            |
| Scan (B)                         |                       | F5      | F4         | F5      | F4         | n/a     | n/a        | n/a        | n/a            | THIRP.L        | THIRP.L              | THIRP.L    | THIRP.L        | THIRP.L        | THIRP.L            |
| Range                            | (cm)                  | 100     | 25         | 14.0    | 14.0       | n/a     | n/a        | n/a        | n/a            | ON             | ON                   | ON         | ON             | ON             | ON                 |
| PRF Limit                        |                       | ON      | OFF        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | Low            | Low                  | Low        | Low            | Low            | Low                |
| Line Density                     |                       | Low     | High       | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | Flow           | Flow                 | Flow       | Flow           | Flow           | Flow               |
| Flow Mode                        |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Ref. Frequency (Color)           |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Focus (Color)                    |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Power's (Color)                  |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Color Velocity Range             |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Packet Size                      |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Flow Area Depth                  |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Color Line Density               |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Pw Mode                          |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| High PRF                         |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Ref. Frequency (D)               |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Focus (D)                        |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Doppler Velocity Range           |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Sample gate size                 | (cm)                  | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Sample gate depth                | (cm)                  | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Triplets Frame Rate              | (cm)                  | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Triplets VEL Range               |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Flow Area Lock                   |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| $B_p$                            | (mm)                  | 20      | 18         | 20      | 17         | 18      | 18         | 18         | 18             | 18             | 18                   | 18         | 18             | 18             | 18                 |
| $B_{pmax}$                       | (mm)                  | 1.3     | 1.2        | 1.3     | 1.4        | 1.4     | 1.4        | 1.4        | 1.4            | 1.4            | 1.4                  | 1.4        | 1.4            | 1.4            | 1.4                |
| $B_{pmax}$                       | (mm)                  | 1.1     | 1.0        | 1.1     | 1.2        | 1.0     | 1.0        | 1.0        | 1.0            | 1.0            | 1.0                  | 1.0        | 1.0            | 1.0            | 1.0                |
| $B_{pmax}$                       | (Hz)                  | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| $B_{pmax}$                       | (Hz)                  | 100     | 106        | 1003    | 2002       | 930     | 10552      | 1860       | 1860           | 5.3            | 20                   | 8.3        | 23             | 0.51           | 14                 |
| $B_{pmax}$                       | (mm)                  | 1.0     | 2.0        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | 2.0            | 2.0                  | n/a        | n/a            | n/a            | n/a                |
| $B_{pmax}$                       | (mm)                  | 31      | 64         | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | 31             | 49                   | n/a        | n/a            | n/a            | n/a                |
| Output beam dimensions           | (mm)                  | 6.0     | 4.8        | 6.0     | 4.8        | 4.8     | 4.8        | 4.8        | 4.8            | 4.8            | 4.8                  | 4.8        | 4.8            | 4.8            | 4.8                |
| $B_{pmax}$                       | (mm)                  | 6.0     | 6.0        | 6.0     | 6.0        | 6.0     | 6.0        | 6.0        | 6.0            | 6.0            | 6.0                  | 6.0        | 6.0            | 6.0            | 6.0                |
| $B_{pmax}$                       | (mm)                  | 5.9     | 5.9        | 5.9     | 4.9        | 5.7     | 5.7        | 5.8        | 5.8            | 5.7            | 5.7                  | 5.8        | 5.8            | 5.8            | 5.7                |
| Acoustic Power-up fraction       | (%)                   | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Power-up mode                    |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Acoustic Initialization fraction | (%)                   | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Initialization mode              |                       | n/a     | n/a        | n/a     | n/a        | n/a     | n/a        | n/a        | n/a            | n/a            | n/a                  | n/a        | n/a            | n/a            | n/a                |
| Acoustic output freeze           |                       | Yes     | Yes        | Yes     | Yes        | Yes     | Yes        | Yes        | Yes            | Yes            | Yes                  | Yes        | Yes            | Yes            | Yes                |
| $B_{pmax}$                       | (mm)                  | 0.97    | 0.97       | 0.97    | 0.97       | 0.97    | 0.97       | 0.97       | 0.97           | 0.97           | 0.97                 | 0.97       | 0.97           | 0.97           | 0.97               |
| Receptive modes                  |                       | contact | contact    | contact | contact    | contact | contact    | contact    | contact        | contact        | contact              | contact    | contact        | contact        | contact            |

| measurement uncertainty (%) |
|-----------------------------|
| $B_p$ 25.0%                 |
| $B_{pmax}$ 25.0%            |
| $B_{pmax}$ 25.0%            |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

L442

MOOE

PWD-Mode

| Index Label                                     |                                             | MT                    | TZS        |               | TZB        |               | TTC   |
|-------------------------------------------------|---------------------------------------------|-----------------------|------------|---------------|------------|---------------|-------|
| Maximum Index Value                             |                                             | 1.6                   | at surface | below surface | at surface | below surface |       |
| Index Component Value                           |                                             |                       | 0.34       | 0.27          | 0.24       | 1.3           |       |
| Acoustic Parameters                             | $P_{\text{ave}}$                            | (MPa)                 |            |               |            |               |       |
|                                                 | $P_{\text{iso}}$                            | (mW)                  |            |               |            |               |       |
|                                                 | $z_{\text{ave}}$                            | (cm)                  |            | 0.59          |            | 1.3           |       |
|                                                 | $z_{\text{iso}}$                            | (cm)                  |            |               |            |               |       |
|                                                 | $z_{\text{pld}}$                            | (cm)                  |            |               |            |               |       |
|                                                 | $f_{\text{ave}}$                            | (MHz)                 | 5.7        |               |            |               | 5.0   |
|                                                 | $f_{\text{err}}$                            | (Hz)                  | 930        |               |            |               |       |
|                                                 | $n_{\text{ave}}$                            | (Hz)                  | -          |               |            |               |       |
|                                                 | $f_{\text{ave}} \text{ at } z_{\text{pld}}$ | (W/cm <sup>2</sup> )  | 881        |               |            |               |       |
|                                                 | $f_{\text{iso}} \text{ at } z_{\text{pld}}$ | (mW/cm <sup>2</sup> ) | 521        |               |            |               |       |
| Other Information                               | $f_{\text{ave}} \text{ at } z_{\text{pld}}$ | (mW/cm <sup>2</sup> ) | 1032       |               |            |               |       |
|                                                 | $P_{\text{ave}} \text{ at } z_{\text{pld}}$ | (MPa)                 | 5.0        |               |            |               |       |
|                                                 | PWR%                                        | (%)                   | 100        | 100           | 100        | 100           | 100   |
|                                                 | Tx Mode                                     |                       | Pw         | Pw            | Pw         | Pw            | Pw    |
|                                                 | Wave Mode                                   |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Frequency (B)                               |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Focus (B)                                   |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Scan (B)                                    |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Range                                       |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | PRF Limit                                   |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
| Operating Control Conditions                    | Line Density                                |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Flow Mode                                   |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Ref. Frequency (Color)                      |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Focus (Color)                               |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Flow% (Color)                               | (%)                   | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Color Velocity Range                        | (cm/s)                | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Pneumatic Stop                              |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Flow Area Depth                             | (cm)                  | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Color Line Density                          |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Pw Mode                                     |                       | Pw         | Pw            | Pw         | Pw            | Pw    |
| NOTE 1: Only one operating condition per index. | High PRF                                    |                       | OFF        | OFF           | OFF        | OFF           | OFF   |
|                                                 | Ref. Frequency (D)                          | Reno                  | Reno       | Reno          | Post       | Std           | Std   |
|                                                 | Focus (D)                                   | F5                    | F2         | F1            | F4         | F1            | F1    |
|                                                 | Display Velocity Range                      | (cm/s)                | 6.23       | 75.89         | 16.60      | 39.84         | 39.84 |
|                                                 | Sample gate size                            | (cm)                  | 0.1        | 0.1           | 0.1        | 0.1           | 0.1   |
|                                                 | Sample gate depth                           | (cm)                  | 2.0        | 0.6           | 1.6        | 0.0           | 0.0   |
|                                                 | Triplets Frame Rate                         | n/a                   | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Triplets VEL Range                          | n/a                   | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 | Flow Area Lock                              |                       | n/a        | n/a           | n/a        | n/a           | n/a   |
|                                                 |                                             |                       |            |               |            |               |       |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TZS or TZB.

NOTE 3: Information used is not provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TZB, TZS or TTC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $f_p$                       | 37.14% |
| $f_{\text{ave}}$            | 48.75% |

Display accuracy

MT 20% or 0.2, whichever larger

TZ 40% or 0.4, whichever larger

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.3a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{\text{ave}}$            | 37.14% |
| $P_{\text{ave}}$            | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

L442

MODE

M-Mode

| Index Label                                                                    | MT     | TZS    | TZB    | TTC    |
|--------------------------------------------------------------------------------|--------|--------|--------|--------|
| Maximum Index Value                                                            | 1.3    |        |        | 0.40   |
| Index Component Value                                                          |        |        |        |        |
| $P_{\text{ave}}$ (MPa)                                                         | 3.1    |        |        |        |
| $P_{\text{iso}}$ (mW)                                                          |        |        |        |        |
| $P_{\text{iso}}$ (mW)                                                          |        | 10     | 9.7    | 9.7    |
| $z_{\text{ave}}$ (cm)                                                          |        |        |        |        |
| $z_{\text{iso}}$ (cm)                                                          |        |        | 1.3    | 1.5    |
| $z_{\text{pld}}$ (cm)                                                          |        |        |        |        |
| $f_{\text{ave}}$ (MHz)                                                         | 5.6    |        |        |        |
| $f_{\text{err}}$ (Hz)                                                          | 2001   |        |        |        |
| $n_{\text{ave}}$                                                               | -      |        |        |        |
| $f_{\text{ave}}$ at $z_{\text{pld}}$ (W/cm <sup>2</sup> )                      | 651    |        |        |        |
| $f_{\text{iso}}$ at $z_{\text{pld}}$ or $z_{\text{ave}}$ (mW/cm <sup>2</sup> ) | 199    |        |        |        |
| $f_{\text{ave}}$ at $z_{\text{pld}}$ or $z_{\text{ave}}$ (mW/cm <sup>2</sup> ) | 414    |        |        |        |
| $P_{\text{ave}}$ at $f_{\text{ave}}$ (MPa)                                     | 4.3    |        |        |        |
| PRF (%)                                                                        | 100    | 100    | 100    | 100    |
| Tx Mode                                                                        | M      | M      | M      | M      |
| Wave Mode                                                                      | THP(L) | THP(L) | THP(L) | THP(L) |
| Frequency (B)                                                                  | Std    | Penet  | Penet  | Penet  |
| Focus (B)                                                                      | F5     | F8     | F4     | F4     |
| Scan (B)                                                                       | n/a    | n/a    | n/a    | n/a    |
| Range                                                                          | 14.0   | 14.0   | 14.0   | 14.0   |
| PRF Limit                                                                      | n/a    | n/a    | n/a    | n/a    |
| Line Density                                                                   | n/a    | n/a    | n/a    | n/a    |
| Flow Mode                                                                      | n/a    | n/a    | n/a    | n/a    |
| Ref. Frequency (Color)                                                         | n/a    | n/a    | n/a    | n/a    |
| Focus (Color)                                                                  | n/a    | n/a    | n/a    | n/a    |
| Color Velocity Range                                                           | n/a    | n/a    | n/a    | n/a    |
| Color Velocity Range                                                           | n/a    | n/a    | n/a    | n/a    |
| Pneumatic Size                                                                 | n/a    | n/a    | n/a    | n/a    |
| Flow Area Depth                                                                | n/a    | n/a    | n/a    | n/a    |
| Color Line Density                                                             | n/a    | n/a    | n/a    | n/a    |
| Pw Mode                                                                        | n/a    | n/a    | n/a    | n/a    |
| High PRF                                                                       | n/a    | n/a    | n/a    | n/a    |
| Ref. Frequency (D)                                                             | n/a    | n/a    | n/a    | n/a    |
| Focus (D)                                                                      | n/a    | n/a    | n/a    | n/a    |
| Display Velocity Range                                                         | n/a    | n/a    | n/a    | n/a    |
| Sample gate size                                                               | n/a    | n/a    | n/a    | n/a    |
| Sample gate depth                                                              | n/a    | n/a    | n/a    | n/a    |
| Triplets Frame Rate                                                            | n/a    | n/a    | n/a    | n/a    |
| Triplets VEL Range                                                             | n/a    | n/a    | n/a    | n/a    |
| Flow Area Lock                                                                 | n/a    | n/a    | n/a    | n/a    |

NOTE 1: Only one operating condition per Index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal Doppler uses.

NOTE 4: If the requirements of 201.12.4.4(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5: If the requirements of 201.12.4.4(b) are met, it is not required to enter any data in the columns related to TIS.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

| measurement uncertainty (%) | MT     | TZ |
|-----------------------------|--------|----|
| $P$                         | 25.00% |    |
| $f_{\text{ave}}$            | 37.75% |    |
| $n$                         | 19.75% |    |

| Display accuracy | MT                           | TZ                           |
|------------------|------------------------------|------------------------------|
|                  | 20% or 0.2, whichever larger | 40% or 0.4, whichever larger |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.3a) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                              | L442       | MODE          | B/W/D-Mode    |
|---------------------------------------------------------------|------------|---------------|---------------|
| Index Label                                                   | MT         | TDS           | TTB           |
| Maximum Index Value                                           | at surface | below surface | below surface |
| Index Component Value                                         | 0.36       | 0.33          | 1.3           |
|                                                               | 1.6        | 0.36          | 1.3           |
| $P_{ref}$ (MPa)                                               | 3.8        |               |               |
| $P$ (mW)                                                      | 15         | 15            | 14            |
| $P_{101}$ (mW)                                                | 15         | 15            | 14            |
| $z_1$ (cm)                                                    |            | 0.45          |               |
| $z_2$ (cm)                                                    |            |               | 1.5           |
| $z_{ref}$ (cm)                                                | 1.7        |               |               |
| $z_{101}$ (cm)                                                | 1.7        |               |               |
| $f_{ref}$ (MHz)                                               | D-5.74     | B-4.8, D-5    | B-4.8, D-5    |
| $f_{101}$ (Hz)                                                | 1004       |               |               |
| $f_{101}$ (Hz)                                                | 5.3        |               |               |
| $n_{ref}$                                                     | 2.0        |               |               |
| $I_{P_{ref}}$ at $z_{ref}$ (W/cm <sup>2</sup> )               | 924        |               |               |
| $I_{P_{101}}$ at $z_{101}$ (W/cm <sup>2</sup> )               | 397        |               |               |
| $I_{P_{ref}}$ at $z_{ref}$ or $z_{101}$ (mW/cm <sup>2</sup> ) | 788        |               |               |
| $P_{ref}$ at $z_{ref}$ (MPa)                                  | 5.2        |               |               |
| FWHM (%)                                                      | 100        | 100           | 100           |
| TT Mode                                                       | B/W        | B/W           | B/W           |
| Wave Mode                                                     | THDP-1     | THDP-1        | THDP-1        |
| Frequency (B)                                                 | Preset     | Reso          | Preset        |
| Focus (B)                                                     | F1         | F1            | F1            |
| Scan/6 (B)                                                    | 100        | 25            | 25            |
| Range (cm)                                                    | 14.0       | 2.0           | 3.5           |
| PRF Limit                                                     | ON         | OFF           | OFF           |
| Line Density                                                  | Low        | Medium        | High          |
| Flow Mode                                                     | n/a        | n/a           | n/a           |
| Ref. Frequency (Color)                                        | n/a        | n/a           | n/a           |
| Focus (Color)                                                 | n/a        | n/a           | n/a           |
| Flow/6 (Color)                                                | n/a        | n/a           | n/a           |
| Color Velocity Range (cm/s)                                   | n/a        | n/a           | n/a           |
| Pixel Size                                                    | n/a        | n/a           | n/a           |
| Flow Area Depth                                               | n/a        | n/a           | n/a           |
| Color Line Density                                            | n/a        | n/a           | n/a           |
| Pre Mode                                                      | PW         | PW            | PW            |
| High PRF                                                      | OFF        | OFF           | OFF           |
| Ref. Frequency (D)                                            | Reso       | Std           | Std           |
| Focus (D)                                                     | F5         | F5            | F1            |
| Droplet Velocity Range (cm/s)                                 | 6.23       | 132.81        | 39.84         |
| Sample gate size (cm)                                         | 0.1        | 0.1           | 0.1           |
| Sample gate length (cm)                                       | 2.4        | 0.0           | 0.0           |
| Triplex Frame Rate                                            | n/a        | n/a           | n/a           |
| Triplex VEL Range                                             | n/a        | n/a           | n/a           |
| Flow Area Lock                                                | n/a        | n/a           | n/a           |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TDS or TTB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transducer or resonant cup-like cases.

NOTE 4: If the measurements of 201,12,4,2,61 are not, it is not required to enter any data in the column related to TDS, TTB or TIC.

NOTE 5: If the measurements of 201,12,4,2,61 are not, it is not required to enter any data in the column related to MT.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. This equipment setting related to the index has to be entered in the rating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Flow Area Lock

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TBL.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TSS, TSS or TSC.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to ME.

every 8 h, 0.2% indomethacin cells should be entered. The non-dosed surface related to the index has to be entered in the non-dosed control section.

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |                                             | L442                  |       | MODE       |               | M4-Caler-Mode |            |               |        |
|-----------------------|---------------------------------------------|-----------------------|-------|------------|---------------|---------------|------------|---------------|--------|
| Index Label           |                                             | MT                    | TTS   | at surface | below surface | TTB           | at surface | below surface | TTC    |
| Maximum Index Value   |                                             | 1.6                   | 0.35  | 0.35       | 0.28          | 1.3           | 0.25       | 1.3           | 1.1    |
| Index Component Value |                                             |                       |       |            |               |               |            |               |        |
| Acoustic Parameters   | $P_{ave}$                                   | (MPa)                 |       |            |               |               |            |               |        |
|                       | $P_{rms}$                                   | (mW)                  | 3.8   |            |               |               |            |               |        |
|                       | $P_{1st}$                                   | (mW)                  |       | 13         |               | 13            |            |               | 13     |
|                       | $\tau_1$                                    | (cm)                  |       |            | 0.59          |               |            | 1.3           |        |
|                       | $\tau_2$                                    | (cm)                  |       |            |               |               |            |               |        |
|                       | $\tau_{all}$                                | (cm)                  | 1.7   |            |               |               |            |               |        |
|                       | $\tau_{plate}$                              | (cm)                  | 1.7   |            |               |               |            |               |        |
|                       | $\tau_{net}$                                | (MHz)                 | 5.8   | 5.8        |               | 4.1           |            |               | 5.0    |
|                       | $\rho_{rr}$                                 | (Hz)                  | 1860  |            |               |               |            |               |        |
|                       | $\rho_{rr}$                                 | (Hz)                  | -     |            |               |               |            |               |        |
| Other Information     | $\eta_{ge}$                                 | -                     | -     |            |               |               |            |               |        |
|                       | $f_{ave}$ at $\tau_{plate}$                 | (W/cm <sup>2</sup> )  | 894   |            |               |               |            |               |        |
|                       | $f_{ave}$ at $\tau_{plate}$ or $\tau_{ave}$ | (mW/cm <sup>2</sup> ) | 475   |            |               |               |            |               |        |
|                       | $f_{ave}$ at $\tau_{pl}$ or $\tau_{all}$    | (mW/cm <sup>2</sup> ) | 957   |            |               |               |            |               |        |
|                       | $P_r$ at $\tau_{pl}$                        | (MPa)                 | 5.2   |            |               |               |            |               |        |
|                       | PRF%                                        | (%)                   | 100   | 100        |               | 100           |            |               | 100    |
|                       | Tx Models                                   | M4Flow                |       | M4Flow     |               | M4Flow        |            |               | M4Flow |
|                       | Wave Mode                                   | n/a                   |       | n/a        |               | n/a           |            |               | n/a    |
|                       | Frequency (B)                               | n/a                   |       | n/a        |               | n/a           |            |               | n/a    |
|                       | Focus (D)                                   | n/a                   |       | n/a        |               | n/a           |            |               | n/a    |
| Conditional           | Scan% (B)                                   | (%)                   | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Range                                       | (cm)                  | 14.0  | 9.0        | 14.0          | 14.0          | 2.0        |               | 2.0    |
|                       | PRF Limit                                   |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Line Density                                |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Flow Mode                                   | Flow                  |       | Flow       |               | Flow          |            |               | Flow   |
|                       | Ref. Frequency (Color)                      | Remo                  |       | Remo       |               | Remo          |            |               | Remo   |
|                       | Focus (Color)                               | F5                    |       | F2         |               | F4            |            |               | F1     |
|                       | Flow% (Color)                               | (%)                   | 12.45 | n/a        | 53.13         | 19.92         | n/a        |               | 61.30  |
|                       | Color Velocity Range                        | (cm/s)                |       |            |               |               | n/a        |               |        |
|                       | Predict Size                                |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Flow Arm Depth                              | (cm)                  | 14.0  | 14.0       | 14.0          | 14.0          | 14.0       | 14.0          | 14.0   |
|                       | Color Line Density                          |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Pw Mode                                     |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | High PRF                                    |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Ref. Frequency (D)                          |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Focus (D)                                   |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Doppler Velocity Range                      | (cm/s)                |       |            |               |               |            |               | n/a    |
|                       | Sample gate size                            | (cm)                  | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Sample gate depth                           | (cm)                  | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Triplets Pulse Rate                         |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Triplets VLL Range                          |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       | Flow Arm Lock                               |                       | n/a   | n/a        |               | n/a           |            |               | n/a    |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |
|                       |                                             |                       |       |            |               |               |            |               |        |

NOTE 1: Only one operating condition per Index.

NOTE 2: Index should be entered for all surface and below surface tests in the columns related to TTS or TTB.

NOTE 3: Index should be entered for all surface and below surface tests in the columns related to TTS or TTB.

NOTE 4: If the requirements of 2011.12.4.2b are met, it is not required to enter any data in the columns related to TTS, TTB or TTC.

NOTE 5: If the requirements of 2011.12.4.2b are met, it is not required to enter any data in the column related to MT.

NOTE 6: "-" indicates cells where a numerical value will not be entered. The equipment setting related to the Index has to be entered in the setting context section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 26.00% |
| $I_{\mu}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to T10 or T18.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201, 12.4.2(a) are met, it is not required to enter any data in the columns related to T13, T18 or T1C.

NOTE 5 If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to M1.

NOTE: ~ indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amd.1)

| Transducer Model             | Index Label           | MT    | MODE |            |      | T7C |
|------------------------------|-----------------------|-------|------|------------|------|-----|
|                              |                       |       | TTS  | at surface | T7B  |     |
|                              | Maximum Index Value   | 1.6   | 0.37 | 0.35       | 0.28 | 1.3 |
|                              | Index Component Value |       | 0.37 | 0.35       | 0.28 | 1.3 |
| Acoustic Parameters          | $P_{ref}$ (MPa)       | 3.8   |      |            |      |     |
|                              | $P$ (mW)              |       | 15   |            | 14   | 14  |
|                              | $P_{10}$ (mW)         |       | 15   |            | 14   |     |
|                              | $S_z$ (cm)            |       |      | 0.45       |      |     |
|                              | $S_z$ (cm)            |       |      |            |      | 1.3 |
| Other Information            | $S_{ref}$ (cm)        | 1.7   |      |            |      |     |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
| Operating Control Conditions | $P_{ref}$ (MPa)       | 3.8   |      |            |      |     |
|                              | $P$ (mW)              |       | 15   |            | 14   | 14  |
|                              | $P_{10}$ (mW)         |       | 15   |            | 14   |     |
|                              | $S_z$ (cm)            |       |      | 0.45       |      |     |
|                              | $S_z$ (cm)            |       |      |            |      | 1.3 |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |     |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
| Operating Control Conditions | $P_{ref}$ (MPa)       | 3.8   |      |            |      |     |
|                              | $P$ (mW)              |       | 15   |            | 14   | 14  |
|                              | $P_{10}$ (mW)         |       | 15   |            | 14   |     |
|                              | $S_z$ (cm)            |       |      | 0.45       |      |     |
|                              | $S_z$ (cm)            |       |      |            |      | 1.3 |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |     |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |     |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or T7B.

NOTE 3: Information need not be provided regarding T7C for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, T7B or T7C.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to T7C.

NOTE 6: "-" indicates cells where a numerical value should be entered. The replacement setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amd.1)

| Transducer Model             | Index Label           | MT    | MODE |            |      | T7C  |
|------------------------------|-----------------------|-------|------|------------|------|------|
|                              |                       |       | TTS  | at surface | T7B  |      |
|                              | Maximum Index Value   | 1.6   | 0.46 | 0.46       | 0.46 | 0.62 |
|                              | Index Component Value |       | 0.46 | 0.46       | 0.46 | 0.62 |
| Acoustic Parameters          | $P_{ref}$ (MPa)       | 3.8   |      |            |      |      |
|                              | $P$ (mW)              |       | 17   |            | 17   | 19   |
|                              | $P_{10}$ (mW)         |       | 17   |            | 17   |      |
|                              | $S_z$ (cm)            |       |      | -          |      |      |
|                              | $S_z$ (cm)            |       |      |            |      | -    |
| Other Information            | $S_{ref}$ (cm)        | 1.7   |      |            |      |      |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
| Operating Control Conditions | $P_{ref}$ (MPa)       | 3.8   |      |            |      |      |
|                              | $P$ (mW)              |       | 17   |            | 17   | 19   |
|                              | $P_{10}$ (mW)         |       | 17   |            | 17   |      |
|                              | $S_z$ (cm)            |       |      | -          |      |      |
|                              | $S_z$ (cm)            |       |      |            |      | -    |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |      |
|                              | $S_{ref}$ (cm)        | 1.7   |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |
|                              | $f_{ref}$ (MHz)       | C5.76 |      |            |      |      |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or T7B.

NOTE 3: Information need not be provided regarding T7C for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, T7B or T7C.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to T7C.

NOTE 6: "-" indicates cells where a numerical value should be entered. The replacement setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

Acoustic output data in accordance with IEC 61157/A2.2, accompanying literature

# ARIETTA 50

## L55 Linear

Acoustic power is controllable by the user

| parameter                        | Model    | B <sub>0</sub> | B <sub>90</sub> | M <sub>p</sub> | M <sub>90</sub> | D <sub>3</sub> | D <sub>90</sub> | (M4+Color)P | (M4+Color)Ipsa | (B+D) <sub>0</sub> | (B+D) <sub>90</sub> | (B+Color)P | (B+Color)Ipsa | (B+Color+D)P | (B+Color+D)Ipsa |
|----------------------------------|----------|----------------|-----------------|----------------|-----------------|----------------|-----------------|-------------|----------------|--------------------|---------------------|------------|---------------|--------------|-----------------|
| Maximum power                    | (mW)     | 13             | 32              | 4.8            | 7.7             | 7.3            | 15              | 9.3         | 16             | 2.3                | 1.8                 | 19         | 32            | 23           | 17              |
| p                                | (MPa)    | 4.4            | 3.2             | 4.4            | 3.8             | 3.7            | 1.3             | 4.5         | 3.1            | 4.4                | 1.8                 | 4.5        | 2.5           | 4.5          | 3.4             |
| I <sub>a</sub>                   | (mW/cm²) | 39             | 167             | 1.5            | 30              | 34             | 57              | 37          | 64             | 27                 | 97                  | 99         | 239           | 286          | 70              |
| I <sub>ms</sub>                  | (mW/cm²) | 11             | 157             | 286            | 553             |                | 1135            | 716         | 1282           | 64                 | 1119                | 136        | 264           | 620          | 1121            |
| PWR%                             | (%)      | 100            | 100             | 100            | 100             | 100            | 100             | 100         | 100            | 100                | 100                 | 100        | 100           | 100          | 100             |
| Tx Mode                          |          | B              | B               | M              | M               | Pw             | Pw              | MFlow       | MFlow          | BFlow              | BFlow               | BFlow      | BFlow         | BFlow        | BFlow           |
| Wave Mode                        |          | FND            | THRP.L          | FND            | THRP.L          | THRP.L         | THRP.L          | THRP.L      | THRP.L         | THRP.L             | THRP.L              | THRP.L     | THRP.L        | THRP.L       | THRP.L          |
| Frequency (H)                    |          | Std            | Std             | Std            | Std             | Std            | Std             | Std         | Std            | Std                | Std                 | Std        | Std           | Std          | Std             |
| Focus (H)                        |          | F5             | F5              | F5             | F5              | F5             | F5              | F5          | F5             | F5                 | F5                  | F5         | F5            | F5           | F5              |
| Scan% (H)                        | (%)      | 100            | 25              | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | 100                | 25                  | 25         | 25            | 25           | 27              |
| Range                            | (cm)     | 17.0           | 2.0             | 17.0           | 17.0            | n/a            | n/a             | 17.0        | 17.0           | ON                 | OFF                 | OFF        | OFF           | OFF          | OFF             |
| PRF Limit                        |          | ONS            | OFF             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | Low                | Medium              | Low        | High          | Low          | Low             |
| Line Density                     |          | Low            | High            | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Flow Mode                        |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Ref. Frequency (Color)           |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Flow% (Color)                    | (%)      | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Flow% (Color)                    | (cm/s)   | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Color Velocity Range             |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Packet Size                      |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Flow Area Depth                  | (cm)     | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Color Line Density               |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Pw Mode                          |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| High PRF                         |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Ref. Frequency (D)               |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Focus (D)                        |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Sample gate size                 | (cm)     | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Sample gate depth                | (cm)     | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Triplex Frame Rate               | (cm)     | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Triplex VEL Range                |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Flow Area Lock                   |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| F <sub>r</sub>                   | (mm)     | 23             | 14              | 23             | 18              | 17             | 20              | 21          | 21             | 23                 | 20                  | 21         | 12            | 21           | 20              |
| f <sub>0</sub>                   | (f)      | 0.9            | 1.0             | 0.9            | 1.0             | 1.1            | 1.2             | 1.0         | 1.0            | 0.9                | 1.2                 | 1.0        | 1.3           | 1.0          | 1.2             |
| f <sub>1</sub>                   | (f)      | 1.5            | 1.4             | 1.5            | 1.4             | 1.4            | 1.6             | 1.4         | 1.4            | 1.5                | 1.6                 | 1.4        | 1.5           | 1.4          | 1.6             |
| PRF (PRF)                        | (Hz)     | 1003           | 1003            | 1003           | 2001            | 910            | 1815            | 2170        | 8681           | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| PRF (SRF)                        | (Hz)     | 98             | 103             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | 5.3                | 35                  | 82         | 39            | 17           | 17              |
| f <sub>0</sub>                   | (f)      | 27             | 64              | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | 2.0                | 2.0                 | n/a        | n/a           | n/a          | n/a             |
| f <sub>1</sub>                   | (f)      | 8.0            | 4.8             | 8.0            | 6.4             | 5.3            | 6.4             | 6.4         | 6.4            | 8.0                | 6.4                 | 6.4        | 3.7           | 6.4          | 6.4             |
| Output beam dimensions           | (f)      | 4.0            | 4.0             | 4.0            | 4.0             | 4.0            | 4.0             | 4.0         | 4.0            | 4.0                | 4.0                 | 4.0        | 4.0           | 4.0          | 4.0             |
| f <sub>0</sub>                   | (f)      | 6.8            | 6.2             | 6.8            | 6.2             | 5.8            | 5.8             | 6.7         | 6.7            | 6.8                | 5.8                 | 6.7        | 5.2           | 6.7          | 5.8             |
| Acoustic Power-up fraction       | (%)      | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Power-up mode                    |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Acoustic Initialization fraction | (%)      | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Initialization mode              |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |
| Acoustic output freeze           |          | Yes            | Yes             | Yes            | Yes             | Yes            | Yes             | Yes         | Yes            | Yes                | Yes                 | Yes        | Yes           | Yes          | Yes             |
| f <sub>0</sub>                   | (mm)     | 0.68           | 0.68            | 0.68           | 0.68            | 0.68           | 0.68            | 0.68        | 0.68           | 0.68               | 0.68                | 0.68       | 0.68          | 0.68         | 0.68            |
| f <sub>1</sub>                   | (mm)     | contact        | contact         | contact        | contact         | contact        | contact         | contact     | contact        | contact            | contact             | contact    | contact       | contact      | contact         |
| Inclusive modes                  |          | n/a            | n/a             | n/a            | n/a             | n/a            | n/a             | n/a         | n/a            | n/a                | n/a                 | n/a        | n/a           | n/a          | n/a             |

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| f <sub>0</sub>              | 25.00% |
| f <sub>1</sub>              | 27.14% |
| f <sub>2</sub>              | 18.75% |



ARIETTA 50

Table 201.103 -- Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

L55

MOCE

B/M-Mode

| Index Label                  |                                         | MT                    |  | TTS    |  | TIB    |  | TTC    |
|------------------------------|-----------------------------------------|-----------------------|--|--------|--|--------|--|--------|
| Maximum Index Value          |                                         | 1.2                   |  | 0.69   |  | 0.90   |  | 0.85   |
| Index Component Value        |                                         |                       |  | 0.69   |  | 0.69   |  | 0.90   |
|                              |                                         |                       |  |        |  |        |  |        |
| Acoustic Parameters          | $P_{avg}$                               | (MPa)                 |  | 3.0    |  |        |  |        |
|                              | $P_{iso}$                               | (mW)                  |  | 30     |  | 30     |  | 30     |
|                              | $P_{axi}$                               | (mW)                  |  | 23     |  | 23     |  |        |
|                              | $z_s$                                   | (cm)                  |  | 0.74   |  | 1.2    |  |        |
|                              | $z_a$                                   | (cm)                  |  |        |  |        |  |        |
|                              | $z_{eff}$                               | (cm)                  |  |        |  |        |  |        |
| Other Information            | $f_{avg}$                               | (MHz)                 |  | 6.7    |  | 6.2    |  | 6.2    |
|                              | $f_{err}$                               | (Hz)                  |  | 2751   |  |        |  |        |
|                              | $n_{avg}$                               |                       |  | 83     |  |        |  |        |
|                              | $I_{p-ave}$                             | (W/cm <sup>2</sup> )  |  | 700    |  |        |  |        |
|                              | $I_{p-ave}$ at $z_{p-ave}$ or $z_{iso}$ | (mW/cm <sup>2</sup> ) |  | 68     |  |        |  |        |
|                              | $I_{p-ave}$ at $z_{p-ave}$ or $z_{iso}$ | (mW/cm <sup>2</sup> ) |  | 147    |  |        |  |        |
|                              | $P_s$ at $z_{p-ave}$                    | (MPa)                 |  | 4.3    |  |        |  |        |
|                              | PRF/Hz                                  | (Hz)                  |  | 100    |  | 100    |  | 100    |
|                              | Tx Mode                                 | B/M                   |  | B/M    |  | B/M    |  | B/M    |
|                              | Wave Mode                               | PND                   |  | THP(L) |  | THP(L) |  | THP(L) |
| Operating Control Conditions | Frequency (B)                           | Std                   |  | Std    |  | Std    |  | Std    |
|                              | Focus (B)                               | F4                    |  | F3     |  | F3     |  | F3     |
|                              | Scan/Hz (B)                             | 100                   |  | 25     |  | 25     |  | 25     |
|                              | Range                                   | (cm)                  |  | 17.0   |  | 2.5    |  | 2.5    |
|                              | PRF Limit                               | ON                    |  | OFF    |  | OFF    |  | OFF    |
|                              | Line Density                            | Low                   |  | Medium |  | Medium |  | High   |
|                              | Flow Mode                               | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Ref. Frequency (Color)                  | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Focus (Color)                           | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Flow/Hz (Color)                         | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Color Velocity Range                    | (cm/s)                |  | n/a    |  | n/a    |  | n/a    |
|                              | Packet Size                             | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Flow Area Depth                         | (cm)                  |  | n/a    |  | n/a    |  | n/a    |
|                              | Color Line Density                      | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Flow Mode                               | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | High PRF                                | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Ref. Frequency (D)                      | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Focus (D)                               | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Doppler Velocity Range                  | (cm/s)                |  | n/a    |  | n/a    |  | n/a    |
|                              | Sample gate size                        | (cm)                  |  | n/a    |  | n/a    |  | n/a    |
|                              | Sample gate depth                       | (cm)                  |  | n/a    |  | n/a    |  | n/a    |
|                              | Triplets Frame Rate                     | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Triplets VFL Range                      | n/a                   |  | n/a    |  | n/a    |  | n/a    |
|                              | Flow Area Lock                          | n/a                   |  | n/a    |  | n/a    |  | n/a    |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be obtained for all surface and below surface both in the columns related to TIB or TBL.

NOTE 3: Information used not be provided regarding TIC for all surface and below surface both in the columns related to THP(L) or THP(L).

NOTE 4: If the requirements of 201.12.2.20 are met, it is not required to enter any data in the columns related to TIB, TBL or TIC.

NOTE 5: If the requirements of 201.12.2.20 are met, it is not required to enter any data in the column related to MT.

NOTE 6: "n/a" indicates data where a numerical value should be entered. The equipment setting related to the index has to be entered in the setting control section.

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TIC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| I <sub>p</sub>              | 37.14% |
| P <sub>s</sub>              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T <sub>T</sub>   | 40% or 0.4, whichever larger |

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Table 201.103 -- Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             |                                                                                    | L55       |            | MODE          |            | B-Mode        |        |
|------------------------------|------------------------------------------------------------------------------------|-----------|------------|---------------|------------|---------------|--------|
| Index Label                  |                                                                                    | MT        | TTS        |               | TIB        |               | TTC    |
| Maximum Index Value          |                                                                                    | 1.2       | at surface | below surface | at surface | below surface | 0.85   |
| Index Component Value        |                                                                                    |           | 0.73       | 0.73          | 0.73       | 0.73          |        |
| Acoustic Parameters          | $P_{\text{avg}}$ (MPa)                                                             | 3.0       |            |               |            |               |        |
|                              | $P_{\text{iso}}$ (mW)                                                              |           | 30         |               |            |               | 32     |
|                              | $P_{\text{iso}}$ (mW)                                                              |           | 23         |               | 23         |               |        |
|                              | $z_s$ (cm)                                                                         |           |            | -             |            | 1.3           |        |
|                              | $z_{\text{avg}}$ (cm)                                                              | 1.7       |            |               |            |               |        |
|                              | $z_{\text{iso}}$ (cm)                                                              | 1.7       |            |               |            |               |        |
|                              | $f_{\text{avg}}$ (MHz)                                                             | 6.7       | 6.7        |               | 6.7        |               | 6.2    |
| Other Information            | $f_{\text{err}}$ (Hz)                                                              | 2646      |            |               |            |               |        |
|                              | $n_{\text{avg}}$ (Hz)                                                              | 98        |            |               |            |               |        |
|                              | $I_{\text{p-ave}}$ at $z_{\text{p-ave}}$ (W/cm <sup>2</sup> )                      | 700       |            |               |            |               |        |
|                              | $I_{\text{p-ave}}$ at $z_{\text{p-ave}}$ or $z_{\text{iso}}$ (W/cm <sup>2</sup> )  | 4.9       |            |               |            |               |        |
|                              | $I_{\text{p-ave}}$ at $z_{\text{p-ave}}$ or $z_{\text{iso}}$ (mW/cm <sup>2</sup> ) | 10        |            |               |            |               |        |
|                              | $P_s$ at $z_{\text{p-ave}}$ (MPa)                                                  | 4.3       |            |               |            |               |        |
|                              | PRF/Hz                                                                             | 100       | 100        | 100           | 100        | 100           | 100    |
| Operating Control Conditions | Tx Mode                                                                            | B         | B          | B             | B          | B             | B      |
|                              | Wave Mode                                                                          | PND       | PND        | PND           | PND        | PND           | THP(L) |
|                              | Frequency (B)                                                                      | Std       | Std        | Std           | Std        | Std           | Std    |
|                              | Focus (B)                                                                          | F4        | F3         | F3            | F3         | F3            | F3     |
|                              | Scan/Hz (B)                                                                        | 100       | 25         | 25            | 25         | 25            | 25     |
|                              | Range                                                                              | 17.0      | 2.0        | 2.0           | 2.0        | 3.0           | 3.0    |
|                              | PRF Limit                                                                          | ON        | OFF        | OFF           | OFF        | OFF           | OFF    |
|                              | Line Density                                                                       | Low       | High       | High          | High       | High          | High   |
|                              | Flow Mode                                                                          | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Ref. Frequency (Color)                                                             | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Focus (Color)                                                                      | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Flow/Hz (Color)                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Color Velocity Range                                                               | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Packet Size                                                                        | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Flow Area Depth                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Color Line Density                                                                 | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
|                              | Flow Mode                                                                          | Flow Mode | n/a        | n/a           | n/a        | n/a           | n/a    |
| High PRF                     |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Ref. Frequency (D)           |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Focus (D)                    |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Doppler Velocity Range       |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Sample gate size             |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Sample gate depth            |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Triplets Frame Rate          |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Triplets VFL Range           |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |
| Flow Area Lock               |                                                                                    | n/a       | n/a        | n/a           | n/a        | n/a           | n/a    |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information (not) to be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or intracranial cephalic uses.

NOTE 4: If the requirements of 2011-12-26b are met, it is not required to enter any data in the columns related to TIB, TIB or TIC.

NOTE 5: If the requirements of 2011-12-26b are met, it is not required to enter any data in the columns related to BIL.

NOTE 6: "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the setting control section.

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TIC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| I <sub>p</sub>              | 37.14% |
| P <sub>s</sub>              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T <sub>T</sub>   | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model      | L55                                                       |     | MODE           |                | PWB-Mode          |                   |
|-----------------------|-----------------------------------------------------------|-----|----------------|----------------|-------------------|-------------------|
|                       | Index Label                                               | MI  | TIS at surface | TIB at surface | TIC below surface | TTC below surface |
| Maximum Index Value   |                                                           | 1.2 | 0.54           | 1.9            | 1.9               | 1.7               |
| Index Component Value |                                                           |     | 0.54           | 0.48           | 1.9               |                   |
| Acoustic Parameters   | $P_{ref}$ (MPa)                                           | 2.9 |                |                |                   |                   |
|                       | $P$ (mW)                                                  |     | 22             |                | 20                | 20                |
|                       | $P_{1st}$ (mW)                                            |     | 22             |                | 20                |                   |
|                       | $Z_s$ (cm)                                                |     |                | 1.0            |                   |                   |
|                       | $Z_b$ (cm)                                                |     |                |                | 0.43              |                   |
|                       | $Z_{ref}$ (cm)                                            | 1.5 |                |                |                   |                   |
|                       | $Z_{1st}$ (cm)                                            | 1.5 |                |                |                   |                   |
| Other Information     | $f_{ref}$ (MHz)                                           | 5.8 | 5.1            | 5.1            | 5.1               | 5.1               |
|                       | $f_{1st}$ (Hz)                                            | 930 |                |                |                   |                   |
|                       | $f_{ref}$ (Hz)                                            | -   |                |                |                   |                   |
|                       | $f_{1st}$ at $Z_{ref}$ (W/cm <sup>2</sup> )               | 574 |                |                |                   |                   |
|                       | $f_{1st}$ at $Z_{1st}$ or $Z_{ref}$ (mW/cm <sup>2</sup> ) | 342 |                |                |                   |                   |
|                       | $f_{1st}$ at $Z_{ref}$ or $Z_{1st}$ (mW/cm <sup>2</sup> ) | 630 |                |                |                   |                   |
|                       | $P_r$ at $Z_{ref}$ (MPa)                                  | 3.7 |                |                |                   |                   |
| Operating Conditions  | PRF (%)                                                   | 100 | 100            | 100            | 100               | 100               |
|                       | Wave Mode                                                 | Pw  | Pw             | Pw             | Pw                | Pw                |
|                       | Frequency (B)                                             | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Focus (B)                                                 | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Scan% (B)                                                 | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Range (cm)                                                | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | PRF Limit                                                 | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Line Density                                              | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Flow Mode                                                 | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Ref. Frequency (Color)                                    | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Focus (Color)                                             | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Flow% (Color)                                             | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Color Velocity Range (cm/s)                               | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Packet Size                                               | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Flow Area Depth                                           | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Color Line Density                                        | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Pw Mode                                                   | PW  | PW             | PW             | PW                | PW                |
|                       | High PRF                                                  | OFF | OFF            | OFF            | OFF               | OFF               |
|                       | Ref. Frequency (D)                                        | Ref | Ref            | Ref            | Ref               | Ref               |
|                       | Focus (D)                                                 | Ref | Ref            | Ref            | Ref               | Ref               |
|                       | Flow% (D)                                                 | 84  | 84             | 84             | 84                | 84                |
|                       | Color Velocity Range (cm/s)                               | 623 | 623            | 623            | 623               | 623               |
|                       | Sample gate size (cm)                                     | 0.1 | 0.1            | 0.1            | 0.1               | 0.1               |
|                       | Sample gate depth (cm)                                    | 1.6 | 1.6            | 1.6            | 1.6               | 1.6               |
|                       | Triplets Frame Rate                                       | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Triplets VIL Range                                        | n/a | n/a            | n/a            | n/a               | n/a               |
|                       | Flow Area Lock                                            | n/a | n/a            | n/a            | n/a               | n/a               |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided reporting TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal Doppler uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model      | L55                                                       |      | MODE           |                | M-Mode            |                   |
|-----------------------|-----------------------------------------------------------|------|----------------|----------------|-------------------|-------------------|
|                       | Index Label                                               | MI   | TIS at surface | TIB at surface | TTC below surface | TTC below surface |
| Maximum Index Value   |                                                           | 1.2  | 0.35           | 0.24           | 0.66              | 0.47              |
| Index Component Value |                                                           |      | 0.35           | 0.24           | 0.66              |                   |
| Acoustic Parameters   | $P_{ref}$ (MPa)                                           | 3.0  |                |                |                   |                   |
|                       | $P$ (mW)                                                  |      | 13             |                | 7.7               | 15                |
|                       | $P_{1st}$ (mW)                                            |      | 12             |                | 7.7               |                   |
|                       | $Z_s$ (cm)                                                |      |                | 1.1            |                   |                   |
|                       | $Z_b$ (cm)                                                |      |                |                | 1.6               |                   |
|                       | $Z_{ref}$ (cm)                                            | 1.7  |                |                |                   |                   |
|                       | $Z_{1st}$ (cm)                                            | 1.7  |                |                |                   |                   |
| Other Information     | $f_{ref}$ (MHz)                                           | 6.7  | 6.2            | 6.2            | 6.2               | 6.2               |
|                       | $f_{1st}$ (Hz)                                            | 1003 |                |                |                   |                   |
|                       | $f_{ref}$ (Hz)                                            | -    |                |                |                   |                   |
|                       | $f_{1st}$ at $Z_{ref}$ (W/cm <sup>2</sup> )               | 700  |                |                |                   |                   |
|                       | $f_{1st}$ at $Z_{1st}$ or $Z_{ref}$ (mW/cm <sup>2</sup> ) | 127  |                |                |                   |                   |
|                       | $f_{1st}$ at $Z_{ref}$ or $Z_{1st}$ (mW/cm <sup>2</sup> ) | 277  |                |                |                   |                   |
|                       | $P_r$ at $Z_{ref}$ (MPa)                                  | 4.3  |                |                |                   |                   |
| Operating Conditions  | PRF (%)                                                   | 100  | 100            | 100            | 100               | 100               |
|                       | Wave Mode                                                 | PND  | Ref            | Ref            | Ref               | Ref               |
|                       | Frequency (B)                                             | Ref  | Ref            | Ref            | Ref               | Ref               |
|                       | Focus (B)                                                 | F4   | F4             | F4             | F4                | F7                |
|                       | Scan% (B)                                                 | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Range (cm)                                                | 17.0 | 17.0           | 17.0           | 17.0              | 17.0              |
|                       | PRF Limit                                                 | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Line Density                                              | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Flow Mode                                                 | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Ref. Frequency (Color)                                    | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Focus (Color)                                             | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Flow% (Color)                                             | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Color Velocity Range (cm/s)                               | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Packet Size                                               | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Flow Area Depth                                           | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Color Line Density                                        | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Pw Mode                                                   | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | High PRF                                                  | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Ref. Frequency (D)                                        | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Focus (D)                                                 | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Flow% (D)                                                 | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Color Velocity Range (cm/s)                               | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Sample gate size (cm)                                     | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Sample gate depth (cm)                                    | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Triplets Frame Rate                                       | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Triplets VIL Range                                        | n/a  | n/a            | n/a            | n/a               | n/a               |
|                       | Flow Area Lock                                            | n/a  | n/a            | n/a            | n/a               | n/a               |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided reporting TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal Doppler uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| P                           | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTC              | 40% or 0.4, whichever larger |



Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model      |  | L55   |  | MODE |  | B/PWD-mode |  |
|-----------------------|--|-------|--|------|--|------------|--|
| Index Label           |  | MI    |  | TTS  |  | TTC        |  |
| Maximum Index Value   |  | 1.2   |  | 0.58 |  | 1.6        |  |
| Index Component Value |  | 0.58  |  | 0.53 |  | 1.7        |  |
| Acoustic Parameters   |  | 2.9   |  | 25   |  | 24         |  |
| P <sub>iso</sub>      |  | (mPa) |  | 22   |  | 0.43       |  |
| P <sub>1st</sub>      |  | (mW)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |
| Z <sub>is</sub>       |  | (cm)  |  | 22   |  | 0.43       |  |



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

L55

MODE

B+Color/D+mode

| Index Label                                               | MT        | TTS               | TIB               | TTC               |
|-----------------------------------------------------------|-----------|-------------------|-------------------|-------------------|
| Maximum Index Value                                       | 1.3       | at surface        | below surface     | 1.7               |
| Index Component Value                                     |           | 0.61              | 0.57              | 1.8               |
| $P_{avg}$ (MPa)                                           | 3.3       |                   |                   |                   |
| $P_{rms}$ (mW)                                            |           | 24                |                   | 23                |
| $P_{iso}$ (mW)                                            |           | 23                |                   | 22                |
| $Z_1$ (cm)                                                |           | 0.43              |                   |                   |
| $Z_2$ (cm)                                                |           |                   |                   | 0.43              |
| $Z_{avg}$ (cm)                                            | 1.6       |                   |                   |                   |
| $Z_{rms}$ (cm)                                            | 1.6       |                   |                   |                   |
| $f_{ref}$ (MHz)                                           | C:6.73    | B:5.6,C:6.7,D:5.1 | B:5.6,C:6.7,D:5.1 | B:5.6,C:6.7,D:5.1 |
| $f_{prf}$ (Hz)                                            | 10760     |                   |                   |                   |
| $n_{prf}$ (Hz)                                            | 14        |                   |                   |                   |
| $n_{prf}$ (Hz)                                            | B:2, C:9  |                   |                   |                   |
| $f_{rms}$ at $Z_{avg}$ (W/cm <sup>2</sup> )               | 699       |                   |                   |                   |
| $f_{rms}$ at $Z_{rms}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 496       |                   |                   |                   |
| $f_{iso}$ at $Z_{avg}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 679       |                   |                   |                   |
| $P_r$ at $Z_{avg}$ (MPa)                                  | 4.4       |                   |                   |                   |
| PWR%                                                      | 100       | 100               | 100               | 100               |
| Tx Mode                                                   | B/Tlow/Pw | B/Tlow/Pw         | B/Tlow/Pw         | B/Tlow/Pw         |
| Wave Mode                                                 | THQP.L    | THQP.L            | THQP.L            | THQP.L            |
| Frequency (B)                                             | Std       | Std               | Std               | Std               |
| Focus (B)                                                 | F1        | F2                | F1                | F1                |
| Scan% (B)                                                 | 27        | 27                | 27                | 27                |
| Range                                                     | 2.0       | 2.5               | 2.5               | 2.0               |
| PRF Limit                                                 | OFF       | OFF               | OFF               | OFF               |
| Line Density                                              | Low       | Low               | Medium            | Low               |
| Flow Mode                                                 | Flow      | Flow              | Flow              | Flow              |
| Ref. Frequency (Color)                                    | Ratio     | Ratio             | Ratio             | Ratio             |
| Focus (Color)                                             | F4        | F5                | F5                | F5                |
| Flow% (Color)                                             | 15        | 15                | 15                | 15                |
| Color Velocity Range                                      | 39.84     | 27.17             | 37.35             | 49.80             |
| Packet Size                                               | Low       | Medium            | High              | Medium            |
| Flow Area Depth                                           | 2.0       | 2.5               | 2.5               | 2.0               |
| Color Line Density                                        | 1         | 2                 | 3                 | 2                 |
| Pw Mode                                                   | PW        | PW                | PW                | PW                |
| High PRF                                                  | OFF       | OFF               | OFF               | OFF               |
| Ref. Frequency (D)                                        | Std       | Std               | Std               | Std               |
| Focus (D)                                                 | F1        | F1                | F1                | F1                |
| Droppler Velocity Range                                   | 88.54     | 79.69             | 88.54             | 88.54             |
| Sample gate size                                          | 0.1       | 0.1               | 0.1               | 0.1               |
| Sample gate depth                                         | 0.0       | 0.0               | 0.0               | 0.0               |
| Triplets Frame Rate                                       | Medium    | Medium            | Medium            | Medium            |
| Triplets VFL Rate                                         | BFix      | BFix              | BFix              | BFix              |
| Flow Area Lock                                            | OFF       | OFF               | OFF               | OFF               |

NOTE 1 Only use these conditions per issue.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information used can be provided regarding TTC for any TRANSDUCER ASSEMBLY not included for transcranial or noncranial asphaltic uses.

NOTE 4 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.20) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "+" indicates cells where a corrected value should be entered. This equipment setting should be entered in the column box to be entered in the operating control section.

Measurement Uncertainty (%)

P 25.00%

I<sub>p</sub> 37.14%

n 19.25%

Display accuracy

MI 20% or 0.2, whichever larger

TI 40% or 0.4, whichever larger

NOTE 1 Only one operating condition per index.  
NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.  
NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.  
NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TIB or TTC.  
NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to TTS, TIB or TTC.  
NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{rms}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

L55

MODE

B+Color+mode

| Index Label                                               | MT       | TTS         | TIB           | TTC           |
|-----------------------------------------------------------|----------|-------------|---------------|---------------|
| Maximum Index Value                                       | 1.3      |             |               |               |
| Index Component Value                                     |          | at surface  | below surface | below surface |
|                                                           |          | 0.85        | 0.85          | 0.85          |
| $P_{avg}$ (MPa)                                           | 3.3      |             |               |               |
| $P_{rms}$ (mW)                                            |          | 29          |               | 35            |
| $P_{iso}$ (mW)                                            |          | 27          |               | 27            |
| $Z_1$ (cm)                                                |          | -           |               | -             |
| $Z_2$ (cm)                                                |          |             |               | -             |
| $Z_{avg}$ (cm)                                            | 1.6      |             |               |               |
| $Z_{rms}$ (cm)                                            | 1.6      |             |               |               |
| $f_{ref}$ (MHz)                                           | C:6.73   | B:6.1,C:6.7 | B:6.1,C:6.7   | B:6.1,C:6.7   |
| $f_{prf}$ (Hz)                                            | 10400    |             |               |               |
| $n_{prf}$ (Hz)                                            | B:2, C:9 |             |               |               |
| $f_{rms}$ at $Z_{avg}$ (W/cm <sup>2</sup> )               | 699      |             |               |               |
| $f_{rms}$ at $Z_{rms}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 115      |             |               |               |
| $f_{iso}$ at $Z_{avg}$ or $Z_{iso}$ (mW/cm <sup>2</sup> ) | 230      |             |               |               |
| $P_r$ at $Z_{avg}$ (MPa)                                  | 4.4      |             |               |               |
| PWR%                                                      | 100      | 100         | 100           | 100           |
| Tx Mode                                                   | B/Tlow   | B/Tlow      | B/Tlow        | B/Tlow        |
| Wave Mode                                                 | THQP.L   | THQP.L      | THQP.L        | THQP.L        |
| Frequency (B)                                             | Std      | Std         | Std           | Std           |
| Focus (B)                                                 | F1       | F1          | F1            | F2            |
| Scan% (B)                                                 | 25       | 25          | 25            | 25            |
| Range                                                     | 2.0      | 2.0         | 2.0           | 2.0           |
| PRF Limit                                                 | OFF      | OFF         | OFF           | OFF           |
| Line Density                                              | Low      | High        | High          | Low           |
| Flow Mode                                                 | Flow     | Flow        | Flow          | Flow          |
| Ref. Frequency (Color)                                    | Ratio    | Ratio       | Ratio         | Ratio         |
| Focus (Color)                                             | F4       | F4          | F4            | F5            |
| Flow% (Color)                                             | 15       | 15          | 15            | 15            |
| Color Velocity Range                                      | 53.12    | 53.12       | 53.12         | 33.20         |
| Packet Size                                               | Low      | High        | High          | Low           |
| Flow Area Depth                                           | 2.0      | 2.0         | 2.0           | 2.0           |
| Color Line Density                                        | 1        | 3           | 3             | 1             |
| Pw Mode                                                   | n/a      | n/a         | n/a           | n/a           |
| High PRF                                                  | n/a      | n/a         | n/a           | n/a           |
| Ref. Frequency (D)                                        | n/a      | n/a         | n/a           | n/a           |
| Focus (D)                                                 | n/a      | n/a         | n/a           | n/a           |
| Droppler Velocity Range                                   | (cm/s)   | n/a         | n/a           | n/a           |
| Sample gate size                                          | (cm)     | n/a         | n/a           | n/a           |
| Sample gate depth                                         | (cm)     | n/a         | n/a           | n/a           |
| Triplets Frame Rate                                       | n/a      | n/a         | n/a           | n/a           |
| Triplets VEL Range                                        | n/a      | n/a         | n/a           | n/a           |
| Flow Area Lock                                            | n/a      | n/a         | n/a           | n/a           |

NOTE 1 Only use operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIB or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or intracranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TIB, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "-" Indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating condition section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{\mu}$                   | 17.14% |
| $P_r$                       | 18.75% |

Display accuracy

MT 20% or 0.2, whichever larger

TI 40% or 0.4, whichever larger

NOTE 1 Only one operating condition per index.  
NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.  
NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.  
NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TIB or TTC.  
NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to TTS, TIB or TTC.  
NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{rms}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |



Данные по акустической мощности

204 / MN1-8464RU ред. 6

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amc.1)

| Transducer Model             | Index Label                                              | MI       | MODE |            |               | B/M-Mode |
|------------------------------|----------------------------------------------------------|----------|------|------------|---------------|----------|
|                              |                                                          |          | TTS  | at surface | below surface | TTC      |
| L64                          | Maximum Index Value                                      | 1.6      | 0.57 | 0.67       | 0.67          | 0.61     |
|                              | Index Component Value                                    |          |      |            |               |          |
|                              | $P_{100}$ (MPa)                                          | 4.2      | 0.57 | 0.56       | 0.46          | 0.67     |
|                              | $P_{10}$ (mW)                                            |          | 16   |            | 15            | 16       |
|                              | $P_{100}$ (mW)                                           |          | 15   |            | 14            |          |
|                              | $z_1$ (cm)                                               |          |      | 0.60       |               |          |
|                              | $z_2$ (cm)                                               |          |      |            | 0.92          |          |
|                              | $z_{100}$ (cm)                                           | 1.3      |      |            |               |          |
|                              | $z_{10}$ (cm)                                            |          |      |            |               |          |
|                              | $f_{ref}$ (MHz)                                          | 6.9      | 8.2  |            | 6.9           | 6.1      |
| Other Information            | $f_{ref}$ (Hz)                                           | 3819     |      |            |               |          |
|                              | $f_{ref}$ (Hz)                                           | 45       |      |            |               |          |
|                              | $f_{ref}$ (Hz)                                           | 2.0      |      |            |               |          |
|                              | $f_{ref}$ (W/cm <sup>2</sup> )                           | 765      |      |            |               |          |
|                              | $f_{ref}$ at $z_{100}$ or $z_{10}$ (mW/cm <sup>2</sup> ) | 151      |      |            |               |          |
|                              | $f_{ref}$ at $z_{100}$ or $z_{10}$ (mW/cm <sup>2</sup> ) | 280      |      |            |               |          |
|                              | $P_{10}$ at $z_{10}$ (MPa)                               | 5.4      |      |            |               |          |
|                              | PRF (%)                                                  | 100      | 100  | 100        | 100           | 100      |
|                              | Wave Mode                                                | B/M      | B/M  | B/M        | B/M           | B/M      |
|                              | Frequency (B)                                            | THU(2.1) | PND  | THU(2.1)   | THU(2.1)      | THU(2.1) |
| Operating Control Conditions | Focus (B)                                                | F4       | F3   | F3         | F3            | F2       |
|                              | Scan (B)                                                 | 100      | 25   | 25         | 25            | 25       |
|                              | Range (cm)                                               | 14.0     | 3.5  | 6.0        | 6.0           | 3.5      |
|                              | PRF Limit                                                | ON       | OFF  | OFF        | OFF           | OFF      |
|                              | Line Density                                             | Low      | Low  | Medium     | Medium        | Medium   |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (Color)                                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (Color)                                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Velocity Range (cm/s)                              | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Packed Size                                              | n/a      | n/a  | n/a        | n/a           | n/a      |
| Pw Mode                      | Plane Area Depth                                         | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Line Density                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | High PRF                                                 | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Ref. Frequency (D)                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (D)                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Doppler Velocity Range (cm/s)                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate size (cm)                                    | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate depth (cm)                                   | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Triplets Frame Rate                                      | n/a      | n/a  | n/a        | n/a           | n/a      |
| Triplets VFL Range           | Triplets VFL Range                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Plane Area Lock                                          | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Plane Area Depth                                         | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Line Density                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | High PRF                                                 | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Ref. Frequency (D)                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (D)                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Doppler Velocity Range (cm/s)                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate size (cm)                                    | n/a      | n/a  | n/a        | n/a           | n/a      |
| Triplets VFL Range           | Triplets VFL Range                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Plane Area Lock                                          | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Plane Area Depth                                         | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Line Density                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | High PRF                                                 | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Ref. Frequency (D)                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (D)                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Doppler Velocity Range (cm/s)                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate size (cm)                                    | n/a      | n/a  | n/a        | n/a           | n/a      |

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTS.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TTS or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{PR}$                    | 37.14% |
| $P_{10}$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTS              | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amc.1)

| Transducer Model             | Index Label                                              | MI       | MODE |            |               | B-Mode   |
|------------------------------|----------------------------------------------------------|----------|------|------------|---------------|----------|
|                              |                                                          |          | TTS  | at surface | below surface | TTC      |
| L64                          | Maximum Index Value                                      | 1.6      | 0.64 | 0.64       | 0.64          | 0.59     |
|                              | Index Component Value                                    |          |      |            |               |          |
|                              | $P_{100}$ (MPa)                                          | 4.2      | 0.64 | 0.64       | 0.64          | 0.64     |
|                              | $P_{10}$ (mW)                                            |          | 17   |            | 17            | 18       |
|                              | $P_{100}$ (mW)                                           |          | 16   |            | 16            |          |
|                              | $z_1$ (cm)                                               |          |      | -          |               | 0.88     |
|                              | $z_2$ (cm)                                               |          |      |            |               |          |
|                              | $z_{100}$ (cm)                                           | 1.3      |      |            |               |          |
|                              | $z_{10}$ (cm)                                            |          |      |            |               |          |
|                              | $f_{ref}$ (MHz)                                          | 6.9      | 8.2  |            | 8.2           | 6.1      |
| Other Information            | $f_{ref}$ (Hz)                                           | 4409     |      |            |               |          |
|                              | $f_{ref}$ (Hz)                                           | 71       |      |            |               |          |
|                              | $f_{ref}$ (Hz)                                           | 2.0      |      |            |               |          |
|                              | $f_{ref}$ (W/cm <sup>2</sup> )                           | 765      |      |            |               |          |
|                              | $f_{ref}$ at $z_{100}$ or $z_{10}$ (mW/cm <sup>2</sup> ) | 15       |      |            |               |          |
|                              | $f_{ref}$ at $z_{100}$ or $z_{10}$ (mW/cm <sup>2</sup> ) | 26       |      |            |               |          |
|                              | $P_{10}$ at $z_{10}$ (MPa)                               | 5.4      |      |            |               |          |
|                              | PRF (%)                                                  | 100      | 100  | 100        | 100           | 100      |
|                              | Wave Mode                                                | B        | B    | B          | B             | B        |
|                              | Frequency (B)                                            | THU(2.1) | PND  | PND        | THU(2.1)      | THU(2.1) |
| Operating Control Conditions | Focus (B)                                                | F4       | F2   | F2         | F2            | F2       |
|                              | Scan (B)                                                 | 100      | 25   | 25         | 25            | 25       |
|                              | Range (cm)                                               | 14.0     | 2.0  | 2.0        | 2.0           | 2.5      |
|                              | PRF Limit                                                | ON       | OFF  | OFF        | OFF           | OFF      |
|                              | Line Density                                             | Low      | High | High       | High          | High     |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (Color)                                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (Color)                                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Velocity Range (cm/s)                              | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Packed Size                                              | n/a      | n/a  | n/a        | n/a           | n/a      |
| Pw Mode                      | Plane Area Depth                                         | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Line Density                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | High PRF                                                 | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Ref. Frequency (D)                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (D)                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Doppler Velocity Range (cm/s)                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate size (cm)                                    | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate depth (cm)                                   | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Triplets Frame Rate                                      | n/a      | n/a  | n/a        | n/a           | n/a      |
| Triplets VFL Range           | Triplets VFL Range                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Plane Area Lock                                          | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Plane Area Depth                                         | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Color Line Density                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Wave Mode                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | High PRF                                                 | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Ref. Frequency (D)                                       | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Focus (D)                                                | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Doppler Velocity Range (cm/s)                            | n/a      | n/a  | n/a        | n/a           | n/a      |
|                              | Sample gate size (cm)                                    | n/a      | n/a  | n/a        | n/a           | n/a      |

NOTE 1 Only one operating condition per Index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTS.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TTS or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{PR}$                    | 37.14% |
| $P_{10}$                    | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTS              | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

L64

MODE

PWD-Mode

| Index Label                  | MT                     | TIS                   |               | TIB        |               | TTC   |
|------------------------------|------------------------|-----------------------|---------------|------------|---------------|-------|
|                              |                        | at surface            | below surface | at surface | below surface |       |
| Maximum Index Value          | 1.3                    | 0.39                  |               | 0.31       | 1.3           | 1.3   |
| Index Component Value        |                        | 0.39                  | 0.31          | 0.31       | 1.3           |       |
| Acoustic Parameters          | $P_{\text{ref}}$       | (MPa)                 | 3.8           |            |               |       |
|                              | $P$                    | (mW)                  |               |            |               |       |
|                              | $P_{\text{ref}}$       | (mW)                  | 10            |            | 11            | 12    |
|                              | $S_{\text{ref}}$       | (cm)                  |               |            |               |       |
|                              | $S_{\text{ref}}$       | (cm)                  |               | 0.41       |               | 0.75  |
| Other Information            | $f_{\text{ref}}$       | (MHz)                 | 1.3           |            |               |       |
|                              | $f_{\text{ref}}$       | (MHz)                 | 1.3           |            |               |       |
|                              | $f_{\text{ref}}$       | (MHz)                 | 8.1           |            |               | 5.8   |
|                              | $f_{\text{ref}}$       | (MHz)                 | 1302          |            |               |       |
|                              | $f_{\text{ref}}$       | (MHz)                 | -             |            |               |       |
| Operating Control Conditions | $f_{\text{ref}}$       | (W/cm <sup>2</sup> )  | 810           |            |               |       |
|                              | $f_{\text{ref}}$       | (mW/cm <sup>2</sup> ) | 482           |            |               |       |
|                              | $f_{\text{ref}}$       | (mW/cm <sup>2</sup> ) | 942           |            |               |       |
|                              | $P$                    | (MPa)                 | 5.1           |            |               |       |
|                              | $P$                    | (%)                   | 100           | 100        | 100           | 100   |
| Tx Mode                      | Wave Mode              |                       | Pw            | Pw         | Pw            | Pw    |
|                              | Frequency (B)          |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (B)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Scan% (B)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Range                  | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | PRF Limit              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Line Density           |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (Color) |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (Color)          |                       | n/a           | n/a        | n/a           | n/a   |
| Flow% (Color)                | Flow% (Color)          |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Color Velocity Range   | (cm/s)                | n/a           | n/a        | n/a           | n/a   |
|                              | Packet Size            |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Color Line Density     |                       | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Focus (D)              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Doppler Velocity Range | (cm/s)                | 6.23          | 72.44      | 28.46         | 99.61 |
|                              | Sample gate size       | (cm)                  | 0.1           | 0.1        | 0.1           | 0.1   |
| Flow Mode                    | Sample gate depth      | (cm)                  | 1.6           | 0.0        | 0.6           | 0.0   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
|                              | Flow Area Depth        | (cm)                  | n/a           | n/a        | n/a           | n/a   |
| Flow Mode                    | Flow Mode              |                       | n/a           | n/a        | n/a           | n/a   |
|                              | Ref. Frequency (D)     |                       | n/a           | n/a        | n/a           | n/a</ |

Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model | Index Label                                                         | MODE       |               |            | MT       | TTS        |               |            | TIB        |               |            | TTC          |
|------------------|---------------------------------------------------------------------|------------|---------------|------------|----------|------------|---------------|------------|------------|---------------|------------|--------------|
|                  |                                                                     | at surface | below surface | at surface |          | at surface | below surface | at surface | at surface | below surface | at surface |              |
| L64              | Maximum Index Value                                                 | 1.6        | 0.44          | 0.38       | 1.3      | 1.3        | 1.3           | 1.3        | 1.3        | 1.3           | 1.3        | 1.2          |
|                  | Index Component Value                                               |            |               |            |          |            |               |            |            |               |            |              |
|                  | $P_{\text{avg}}$ (MPa)                                              | 4.2        |               |            |          |            |               |            |            |               |            |              |
|                  | $P_{\text{rms}}$ (mW)                                               |            | 13            |            |          |            |               |            |            |               |            | 13           |
|                  | $P_{\text{iso}}$ (mW)                                               |            | 12            |            |          |            |               |            |            |               |            |              |
|                  | $F_s$ (cm)                                                          |            | 0.45          |            |          |            |               |            |            |               |            |              |
|                  | $F_s$ (cm)                                                          |            |               |            |          |            |               |            |            |               |            | 0.79         |
|                  | $z_{\text{eff}}$ (cm)                                               | 1.3        |               |            |          |            |               |            |            |               |            |              |
|                  | $z_{\text{pulse}}$ (cm)                                             | 1.3        |               |            |          |            |               |            |            |               |            |              |
|                  | $f_{\text{ref}}$ (MHz)                                              | B-6.88     | B-6.9, D-8.1  |            |          |            |               |            |            |               |            | B-6.1, D-5.8 |
| BPPWD-mode       | $P_{\text{eff}}$ (Hz)                                               | 1406       |               |            |          |            |               |            |            |               |            |              |
|                  | $z_{\text{eff}}$ (Hz)                                               | 7.4        |               |            |          |            |               |            |            |               |            |              |
|                  | $z_{\text{eff}}$ (Hz)                                               | 2.0        |               |            |          |            |               |            |            |               |            |              |
|                  | $f_{\text{avg}}$ at $z_{\text{pulse}}$ (W/cm²)                      | 765        |               |            |          |            |               |            |            |               |            |              |
|                  | $f_{\text{avg}}$ at $z_{\text{pulse}}$ or $z_{\text{eff}}$ (mW/cm²) | 66         |               |            |          |            |               |            |            |               |            |              |
|                  | $f_{\text{avg}}$ at $z_{\text{eff}}$ or $z_{\text{eff}}$ (mW/cm²)   | 113        |               |            |          |            |               |            |            |               |            |              |
|                  | $P_s$ at $z_{\text{eff}}$ (MPa)                                     | 5.4        |               |            |          |            |               |            |            |               |            |              |
|                  | $P_{\text{eff}}$ (%)                                                | 100        | 100           | 100        | 100      | 100        | 100           | 100        | 100        | 100           | 100        | 100          |
|                  | $P_{\text{eff}}$ (W/cm²)                                            | B/Pw       | B/Pw          | B/Pw       | B/Pw     | B/Pw       | B/Pw          | B/Pw       | B/Pw       | B/Pw          | B/Pw       | B/Pw         |
|                  | $P_{\text{eff}}$ (dB)                                               | THOP-1.1   | THOP-1.1      | THOP-1.1   | THOP-1.1 | THOP-1.1   | THOP-1.1      | THOP-1.1   | THOP-1.1   | THOP-1.1      | THOP-1.1   | THOP-1.1     |
| BPPWD-mode       | Operating Control Conditions                                        |            |               |            |          |            |               |            |            |               |            |              |
|                  | Wave Mode                                                           | THOP-1.1   | THOP-1.1      | THOP-1.1   | THOP-1.1 | THOP-1.1   | THOP-1.1      | THOP-1.1   | THOP-1.1   | THOP-1.1      | THOP-1.1   | THOP-1.1     |
|                  | Frequency (B)                                                       | Reso       | Reso          | Reso       | Reso     | Reso       | Reso          | Reso       | Reso       | Reso          | Reso       | Reso         |
|                  | Beam (B)                                                            | F1         | F2            | F2         | F1       | F1         | F1            | F1         | F1         | F1            | F1         | F1           |
|                  | Search (B)                                                          | 25         | 25            | 25         | 25       | 25         | 25            | 25         | 25         | 25            | 25         | 25           |
|                  | Range                                                               | 14.0       | 2.0           | 2.0        | 4.0      | 4.0        | 4.0           | 4.0        | 4.0        | 4.0           | 4.0        | 2.0          |
|                  | PRF Limit                                                           | OFF        | OFF           | OFF        | OFF      | OFF        | OFF           | OFF        | OFF        | OFF           | OFF        | OFF          |
|                  | Line Density                                                        | Low        | Medium        | Medium     | Medium   | Medium     | Medium        | Medium     | Medium     | Medium        | Medium     | Medium       |
|                  | Flow Mode                                                           | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Ref. Frequency (Color)                                              | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
| BPPWD-mode       | Flow Mode                                                           | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow (Color)                                                        | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow (Color)                                                        | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Color Velocity Range                                                | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Packet Size                                                         | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow Area Depth                                                     | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Color Line Density                                                  | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow Mode                                                           | PW         | PW            | PW         | PW       | PW         | PW            | PW         | PW         | PW            | PW         | PW           |
|                  | High PRF                                                            | OFF        | OFF           | OFF        | OFF      | OFF        | OFF           | OFF        | OFF        | OFF           | OFF        | OFF          |
|                  | Ref. Frequency (D)                                                  | Reso       | Reso          | Reso       | Reso     | Reso       | Reso          | Reso       | Reso       | Reso          | Reso       | Reso         |
| BPPWD-mode       | Flow (D)                                                            | F1         | F2            | F2         | F1       | F1         | F1            | F1         | F1         | F1            | F1         | F1           |
|                  | Display Velocity Range                                              | 6.23       | 28.46         | 28.46      | 28.46    | 28.46      | 28.46         | 28.46      | 28.46      | 28.46         | 28.46      | 99.61        |
|                  | Sample gate size                                                    | 0.1        | 0.1           | 0.1        | 0.1      | 0.1        | 0.1           | 0.1        | 0.1        | 0.1           | 0.1        | 0.1          |
|                  | Sample gate length                                                  | 0.4        | 0.6           | 0.6        | 0.6      | 0.6        | 0.6           | 0.6        | 0.6        | 0.6           | 0.6        | 0.0          |
|                  | Sample gate rate                                                    | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Triplets Frame Rate                                                 | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Triplets VELL Range                                                 | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow Area Lock                                                      | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow Area Lock                                                      | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |
|                  | Flow Area Lock                                                      | n/a        | n/a           | n/a        | n/a      | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a          |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic use.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TTS or TTC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIB.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P$                         | 25.00% |  |
| $f_s$                       | 37.14% |  |
| $P_s$                       | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MT               | 20% or 0.2, whichever larger |  |
| TT               | 40% or 0.4, whichever larger |  |

Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model | Index Label                                                         | MODE       |               |            | MT    | TTS        |               |            | TIB        |               |            | TTC   |
|------------------|---------------------------------------------------------------------|------------|---------------|------------|-------|------------|---------------|------------|------------|---------------|------------|-------|
|                  |                                                                     | at surface | below surface | at surface |       | at surface | below surface | at surface | at surface | below surface | at surface |       |
| L64              | Maximum Index Value                                                 | 1.4        | 0.41          | 0.26       | 1.3   | 1.3        | 1.3           | 1.3        | 1.3        | 1.3           | 1.3        | 1.3   |
|                  | Index Component Value                                               |            |               |            |       |            |               |            |            |               |            |       |
|                  | $P_{\text{avg}}$ (MPa)                                              | 4.0        |               |            |       |            |               |            |            |               |            |       |
|                  | $P_{\text{rms}}$ (mW)                                               |            | 11            |            |       |            |               |            |            |               |            | 12    |
|                  | $P_{\text{iso}}$ (mW)                                               |            | 11            |            |       |            |               |            |            |               |            |       |
|                  | $F_s$ (cm)                                                          |            | 0.83          |            |       |            |               |            |            |               |            |       |
|                  | $F_s$ (cm)                                                          |            |               |            |       |            |               |            |            |               |            | 0.73  |
|                  | $z_{\text{eff}}$ (cm)                                               | 1.3        |               |            |       |            |               |            |            |               |            |       |
|                  | $z_{\text{pulse}}$ (cm)                                             | 1.3        |               |            |       |            |               |            |            |               |            |       |
|                  | $f_{\text{ref}}$ (MHz)                                              | 8.3        | 8.3           |            |       |            |               |            |            |               |            | 5.8   |
| M+Color-mode     | $P_{\text{eff}}$ (Hz)                                               | 2604       |               |            |       |            |               |            |            |               |            |       |
|                  | $z_{\text{eff}}$ (Hz)                                               | -          |               |            |       |            |               |            |            |               |            |       |
|                  | $z_{\text{eff}}$ (Hz)                                               | -          |               |            |       |            |               |            |            |               |            |       |
|                  | $f_{\text{avg}}$ at $z_{\text{pulse}}$ (W/cm²)                      | 931        |               |            |       |            |               |            |            |               |            |       |
|                  | $f_{\text{avg}}$ at $z_{\text{pulse}}$ or $z_{\text{eff}}$ (mW/cm²) | 447        |               |            |       |            |               |            |            |               |            |       |
|                  | $f_{\text{avg}}$ at $z_{\text{eff}}$ or $z_{\text{eff}}$ (mW/cm²)   | 895        |               |            |       |            |               |            |            |               |            |       |
|                  | $P_s$ at $z_{\text{eff}}$ (MPa)                                     | 5.3        |               |            |       |            |               |            |            |               |            |       |
|                  | $P_{\text{eff}}$ (%)                                                | 100        | 100           | 100        | 100   | 100        | 100           | 100        | 100        | 100           | 100        | 100   |
|                  | $P_{\text{eff}}$ (W/cm²)                                            | M/Pw       | M/Pw          | M/Pw       | M/Pw  | M/Pw       | M/Pw          | M/Pw       | M/Pw       | M/Pw          | M/Pw       | M/Pw  |
|                  | $P_{\text{eff}}$ (dB)                                               | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
| M+Color-mode     | Operating Control Conditions                                        |            |               |            |       |            |               |            |            |               |            |       |
|                  | Wave Mode                                                           | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Frequency (B)                                                       | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Beam (B)                                                            | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Search (B)                                                          | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Range                                                               | 14.0       | 14.0          | 14.0       | 14.0  | 14.0       | 14.0          | 14.0       | 14.0       | 14.0          | 14.0       | 2.0   |
|                  | PRF Limit                                                           | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Line Density                                                        | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow Mode                                                           | Reso       | Reso          | Reso       | Reso  | Reso       | Reso          | Reso       | Reso       | Reso          | Reso       | Reso  |
|                  | Ref. Frequency (Color)                                              | F4         | F4            | F4         | F4    | F4         | F4            | F4         | F4         | F4            | F4         | F1    |
| M+Color-mode     | Flow Mode                                                           | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow (Color)                                                        | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow (Color)                                                        | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Color Velocity Range                                                | 12.45      | 44.27         | 44.27      | 44.27 | 44.27      | 44.27         | 44.27      | 44.27      | 44.27         | 44.27      | 49.80 |
|                  | Packet Size                                                         | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow Area Depth                                                     | 14.0       | 14.0          | 14.0       | 14.0  | 14.0       | 14.0          | 14.0       | 14.0       | 14.0          | 14.0       | 14.0  |
|                  | Color Line Density                                                  | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow Mode                                                           | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | High PRF                                                            | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Ref. Frequency (D)                                                  | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
| M+Color-mode     | Flow (D)                                                            | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Display Velocity Range                                              | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Sample gate size                                                    | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Sample gate length                                                  | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Sample gate rate                                                    | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Triplets Frame Rate                                                 | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Triplets VELL Range                                                 | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow Area Lock                                                      | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow Area Lock                                                      | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |
|                  | Flow Area Lock                                                      | n/a        | n/a           | n/a        | n/a   | n/a        | n/a           | n/a        | n/a        | n/a           | n/a        | n/a   |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic use.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TTS or TTC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIB.

NOTE 6: "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P$                         | 25.00% |  |
| $f_s$                       | 37.14% |  |
| $P_s$                       | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MT               | 20% or 0.2, whichever larger |  |
| TT               | 40% or 0.4, whichever larger |  |



Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amd.1)

| Transducer Model       |  | MODE              |  |                   |  | B+Caler/D-mode    |  |
|------------------------|--|-------------------|--|-------------------|--|-------------------|--|
| L64                    |  |                   |  |                   |  |                   |  |
| Index Label            |  | TTS               |  | TIB               |  | TTC               |  |
| Maximum Index Value    |  | at surface        |  | at surface        |  |                   |  |
| Index Component Value  |  | 0.43              |  | 0.37              |  | 1.3               |  |
| $P_{\text{ave}}$ (MPa) |  | 4.2               |  |                   |  |                   |  |
| $P_{\text{in}}$ (mW)   |  | 12                |  | 13                |  | 13                |  |
| $P_{\text{out}}$ (mW)  |  | 11                |  | 13                |  |                   |  |
| $F_{\text{in}}$ (cm)   |  | 0.41              |  |                   |  | 0.75              |  |
| $F_{\text{out}}$ (cm)  |  |                   |  |                   |  |                   |  |
| $F_{\text{in}}$ (cm)   |  |                   |  |                   |  |                   |  |
| $F_{\text{out}}$ (cm)  |  |                   |  |                   |  |                   |  |
| $P_{\text{ave}}$ (MPa) |  | B:6.9,C:8.2,D:8.1 |  | B:6.9,C:5.8,D:5.8 |  | B:4.2,C:5.4,D:5.8 |  |
| $P_{\text{in}}$ (mW)   |  | 1326              |  |                   |  |                   |  |
| $P_{\text{out}}$ (mW)  |  | 0.72              |  |                   |  |                   |  |
| $F_{\text{in}}$ (cm)   |  | B:2, C:9          |  |                   |  |                   |  |
| $F_{\text{out}}$ (cm)  |  | 765               |  |                   |  |                   |  |
| $F_{\text{in}}$ (cm)   |  | 72                |  |                   |  |                   |  |
| $F_{\text{out}}$ (cm)  |  | 123               |  |                   |  |                   |  |
| $P_{\text{ave}}$ (MPa) |  | 5.4               |  |                   |  |                   |  |
| Other Information      |  |                   |  |                   |  |                   |  |
| Operating Conditions   |  |                   |  |                   |  |                   |  |
| Tx Mode                |  | B/Flow/Pw         |  | B/Flow/Pw         |  | B/Flow/Pw         |  |
| Wave Mode              |  | TH(P.L)           |  | TH(P.L)           |  | TH(P.L)           |  |
| Frequency (B)          |  | Ratio             |  | Ratio             |  | Ratio             |  |
| Focus (B)              |  | F4                |  | F1                |  | F1                |  |
| Scan (B)               |  | 26                |  | 26                |  | 26                |  |
| Range                  |  | 14.0              |  | 2.0               |  | 2.0               |  |
| PRF Limit              |  | ON                |  | OFF               |  | OFF               |  |
| Line Density           |  | Low               |  | Low               |  | Low               |  |
| Flow Mode              |  | Flow              |  | Flow              |  | Flow              |  |
| Ref. Frequency (Color) |  | Ratio             |  | Ratio             |  | Ratio             |  |
| Focus (Color)          |  | F1                |  | F3                |  | F1                |  |
| Flow (Color)           |  | 100               |  | 15                |  | 15                |  |
| Color Velocity Range   |  | 0.63              |  | 24.71             |  | 49.80             |  |
| Packet Size            |  | Low               |  | Low               |  | Medium            |  |
| Flow Area Depth        |  | 14.0              |  | 2.0               |  | 2.0               |  |
| Color Line Density     |  | 1                 |  | 1                 |  | 2                 |  |
| Tx Mode                |  | PW                |  | PW                |  | PW                |  |
| High PRF               |  | OFF               |  | OFF               |  | OFF               |  |
| Ref. Frequency (D)     |  | Ratio             |  | Ratio             |  | Ratio             |  |
| Focus (D)              |  | F1                |  | F2                |  | F1                |  |
| Doppler Velocity Range |  | 6.23              |  | 28.46             |  | 99.61             |  |
| Sample gate size       |  | 0.1               |  | 0.1               |  | 0.1               |  |
| Sample gate depth      |  | 0.0               |  | 0.6               |  | 0.0               |  |
| Triplets Frame Rate    |  | Medium            |  | Medium            |  | Medium            |  |
| Triplets VIL Range     |  | B/Fix             |  | B/Fix             |  | B/Fix             |  |
| Flow Area Lock         |  | OFF               |  | OFF               |  | OFF               |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to M.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $F_{\text{in}}$             | 37.14% |
| $P_{\text{in}}$             | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| $M$              | 20% or 0.2, whichever larger |
| $T$              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60061-2:37 Ed.2 Amd.1)

| Transducer Model       |  | MODE        |  |             |  | B+Caler-m-mode |  |
|------------------------|--|-------------|--|-------------|--|----------------|--|
| L64                    |  |             |  |             |  |                |  |
| Index Label            |  | TTS         |  | TIB         |  | TTC            |  |
| Maximum Index Value    |  | at surface  |  | at surface  |  |                |  |
| Index Component Value  |  | 0.55        |  | 0.55        |  | 0.55           |  |
| $P_{\text{ave}}$ (MPa) |  | 4.2         |  |             |  |                |  |
| $P_{\text{in}}$ (mW)   |  | 20          |  | 20          |  | 20             |  |
| $P_{\text{out}}$ (mW)  |  | 20          |  | 20          |  |                |  |
| $F_{\text{in}}$ (cm)   |  |             |  |             |  | -              |  |
| $F_{\text{out}}$ (cm)  |  |             |  |             |  |                |  |
| $F_{\text{in}}$ (cm)   |  | 1.3         |  |             |  |                |  |
| $F_{\text{out}}$ (cm)  |  | 1.3         |  |             |  |                |  |
| $P_{\text{ave}}$ (MPa) |  | B:6.1,C:5.8 |  | B:6.1,C:5.8 |  | B:6.1,C:5.8    |  |
| $P_{\text{in}}$ (mW)   |  | 4167        |  |             |  |                |  |
| $P_{\text{out}}$ (mW)  |  | 11          |  |             |  |                |  |
| $F_{\text{in}}$ (cm)   |  | B:2, C:9    |  |             |  |                |  |
| $F_{\text{out}}$ (cm)  |  | 765         |  |             |  |                |  |
| $F_{\text{in}}$ (cm)   |  | 7.2         |  |             |  |                |  |
| $F_{\text{out}}$ (cm)  |  | 13          |  |             |  |                |  |
| $P_{\text{ave}}$ (MPa) |  | 5.4         |  |             |  |                |  |
| Other Information      |  |             |  |             |  |                |  |
| Operating Conditions   |  |             |  |             |  |                |  |
| Tx Mode                |  | B/Flow      |  | B/Flow      |  | B/Flow         |  |
| Wave Mode              |  | TH(P.L)     |  | TH(P.L)     |  | TH(P.L)        |  |
| Frequency (B)          |  | Ratio       |  | Ratio       |  | Ratio          |  |
| Focus (B)              |  | F4          |  | F1          |  | F1             |  |
| Scan (B)               |  | 25          |  | 25          |  | 25             |  |
| Range                  |  | 14.0        |  | 2.5         |  | 2.5            |  |
| PRF Limit              |  | ON          |  | OFF         |  | OFF            |  |
| Line Density           |  | Low         |  | Low         |  | Low            |  |
| Flow Mode              |  | Flow        |  | Flow        |  | Flow           |  |
| Ref. Frequency (Color) |  | Ratio       |  | Ratio       |  | Ratio          |  |
| Focus (Color)          |  | F1          |  | F2          |  | F2             |  |
| Flow (Color)           |  | 100         |  | 15          |  | 15             |  |
| Color Velocity Range   |  | 0.63        |  | 36.64       |  | 36.64          |  |
| Packet Size            |  | Low         |  | Low         |  | Low            |  |
| Flow Area Depth        |  | 14.0        |  | 2.5         |  | 2.5            |  |
| Color Line Density     |  | 1           |  | 1           |  | 1              |  |
| Tx Mode                |  | n/a         |  | n/a         |  | n/a            |  |
| High PRF               |  | n/a         |  | n/a         |  | n/a            |  |
| Ref. Frequency (D)     |  | n/a         |  | n/a         |  | n/a            |  |
| Focus (D)              |  | n/a         |  | n/a         |  | n/a            |  |
| Doppler Velocity Range |  | n/a         |  | n/a         |  | n/a            |  |
| Sample gate size       |  | n/a         |  | n/a         |  | n/a            |  |
| Sample gate depth      |  | n/a         |  | n/a         |  | n/a            |  |
| Triplets Frame Rate    |  | n/a         |  | n/a         |  | n/a            |  |
| Triplets VIL Range     |  | n/a         |  | n/a         |  | n/a            |  |
| Flow Area Lock         |  | n/a         |  | n/a         |  | n/a            |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to M.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $F_{\text{in}}$             | 37.14% |
| $P_{\text{in}}$             | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| $M$              | 20% or 0.2, whichever larger |
| $T$              | 40% or 0.4, whichever larger |



Acoustic output data in accordance with IEC 6157/4.2.2, accompanying literature

ARIETTA 50

Linear L43K

Acoustic power is controllable by the user

| parameter                        | Model    | B <sub>0</sub> | B <sub>100</sub> | M <sub>0</sub> | M <sub>100</sub> | D <sub>0</sub> | D <sub>100</sub> | (M+Color)typ | (M+Color)typ | (B+D) <sub>typ</sub> | (B+Color)typ | (B+Color+D) <sub>typ</sub> | (B+Color+D)typ |
|----------------------------------|----------|----------------|------------------|----------------|------------------|----------------|------------------|--------------|--------------|----------------------|--------------|----------------------------|----------------|
| Maximum power                    | (mW)     | 9.3            | 15               | 3.0            | 6.9              | 11             | 10               | 6.6          | 11           | 9.8                  | 12           | 11                         | 11             |
| p <sub>r</sub>                   | (MPa)    | 6.3            | 2.2              | 6.3            | 5.5              | 6.1            | 1.8              | 6.4          | 3.9          | 6.5                  | 6.4          | 6.5                        | 2.1            |
| I <sub>0</sub>                   | (mW/cm²) | 46             | 218              | 15             | 34               | 57             | 50               | 39           | 56           | 51                   | 77           | 57                         | 54             |
| I <sub>100</sub>                 | (mW/cm²) | 33             | 196              | 359            | 788              | 1242           | 1282             | 983          | 1255         | 1028                 | 51           | 1137                       | 1281           |
| PWR%                             | (%)      | 100            | 100              | 100            | 100              | 100            | 100              | 100          | 100          | 100                  | 100          | 100                        | 100            |
| Tx. Mode                         |          | B              | B                | M              | M                | Pw             | Pw               | MFlow        | MFlow        | BFlow                | BFlow        | BFlow                      | BFlow          |
| Wave Mode                        |          | FND            | THRP.L           | THRP.L         | THRP.L           | n/a            | n/a              | n/a          | n/a          | THRP.L               | THRP.L       | THRP.L                     | THRP.L         |
| Frequency (B)                    |          | Std            | Reso             | Std            | Reso             | n/a            | n/a              | n/a          | n/a          | Reso                 | Std          | Std                        | Std            |
| Focus (B)                        |          | F4             | F4               | F4             | F4               | n/a            | n/a              | n/a          | n/a          | F1                   | F8           | F4                         | F8             |
| Scan% (B)                        | (%)      | 100            | 25               | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | 25                   | 100          | 25                         | 27             |
| Range                            | (cm)     | 14.0           | 2.5              | 14.0           | 14.0             | n/a            | n/a              | n/a          | n/a          | 14.0                 | 7.0          | 2.5                        | 2.5            |
| PRF Limit                        |          | ON             | OFF              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | OFF                  | ON           | OFF                        | OFF            |
| Line Density                     |          | Low            | High             | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | High                 | Low          | Low                        | Low            |
| Ref. Frequency (Color)           |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Flow% (Color)                    | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Flow% (Color)                    | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Color Velocity Range             | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Pocket Size                      | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Flow Area Depth                  | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Color Line Density               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Pw Mode                          |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| High PRF                         |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Ref. Frequency (D)               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Focus (D)                        |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Sample gate size                 | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Sample gate depth                | (cm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Triplex Frame Rate               |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Triplex VEL Range                |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Flow Area Lock                   |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| F <sub>r</sub>                   | (mm)     | 15             | 12               | 15             | 15               | 17             | 17               | 15           | 18           | 17                   | 15           | 17                         | 17             |
| w <sub>0.4</sub>                 | (f)      | 0.9            | 1.9              | 0.9            | 1.0              | 1.1            | 1.1              | 0.9          | 1.1          | 1.1                  | 0.9          | 1.1                        | 1.1            |
| w <sub>0.4</sub>                 | (L)      | 0.9            | 1.0              | 0.9            | 0.9              | 0.9            | 0.9              | 0.8          | 0.9          | 0.9                  | 0.8          | 0.9                        | 0.9            |
| prf (PRF)                        | (Hz)     | n/a            | n/a              | n/a            | 2006             | 1302           | 15873            | 2083         | 6944         | n/a                  | n/a          | n/a                        | n/a            |
| prf (SRF)                        | (Hz)     | 100            | 154              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | 7.4                  | 12           | 1.4                        | 15             |
| f <sub>0.4</sub>                 |          | 1.0            | 2.0              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | 2.0                  | 12           | 1.4                        | 15             |
| f <sub>0.4</sub>                 |          | 31             | 43               | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | 14                   | 33           | 4.8                        | 4.8            |
| Output beam dimensions           | (f)      | 4.8            | 1.6              | 4.8            | 4.8              | 4.8            | 4.8              | 4.0          | 4.8          | 4.8                  | 4.0          | 4.8                        | 4.8            |
| f <sub>0.4</sub>                 | (L)      | 4.2            | 4.2              | 4.2            | 4.2              | 4.2            | 4.2              | 4.2          | 4.2          | 4.2                  | 4.2          | 4.2                        | 4.2            |
| f <sub>0.4</sub>                 | (MHz)    | 7.7            | 7.0              | 7.7            | 7.0              | 8.0            | 8.0              | 8.0          | 7.9          | 8.0                  | 8.0          | 8.0                        | 8.0            |
| Acoustic Power-up function       | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Power-up mode                    |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Acoustic Initialization function | (%)      | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Initialization mode              |          | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| Acoustic output freeze           | (mm)     | n/a            | n/a              | n/a            | n/a              | n/a            | n/a              | n/a          | n/a          | n/a                  | n/a          | n/a                        | n/a            |
| F <sub>0.4</sub>                 | (mm)     | 0.74           | 0.74             | 0.74           | 0.74             | 0.74           | 0.74             | 0.74         | 0.74         | 0.74                 | 0.74         | 0.74                       | 0.74           |
| Inclusive modes                  |          | contact        | contact          | (B+M)          | (B+M)            | contact        | contact          | contact      | contact      | contact              | contact      | contact                    | contact        |



Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model | Index Label                                               | MI     | MODE       |               |            | TIC     |
|------------------|-----------------------------------------------------------|--------|------------|---------------|------------|---------|
|                  |                                                           |        | at surface | below surface | at surface |         |
| L53K             | Maximum Index Value                                       | 1.6    | 0.52       | 0.51          | 0.65       | 0.60    |
|                  | Index Component Value                                     |        | 0.52       | 0.51          | 0.38       | 0.65    |
|                  | $P_{ref}$ (MPa)                                           | 4.4    |            |               |            |         |
|                  | $P_{ref}$ (mW)                                            |        | 14         |               |            | 14      |
|                  | $P_{ref}$ (mW)                                            |        | 14         |               | 11         |         |
|                  | $z_{ref}$ (cm)                                            |        |            | 0.58          |            |         |
|                  | $z_{ref}$ (cm)                                            |        |            |               |            | 1.3     |
|                  | $z_{ref}$ (cm)                                            | 1.4    |            |               |            |         |
|                  | $z_{ref}$ (cm)                                            | 1.4    |            |               |            |         |
|                  | $f_{ref}$ (MHz)                                           | 7.7    | 7.8        |               | 7.0        | 7.0     |
| B/M-Mode         | $f_{ref}$ (MHz)                                           | 3084   |            |               |            |         |
|                  | $f_{ref}$ (Hz)                                            | 83     |            |               |            |         |
|                  | $f_{ref}$ (Hz)                                            | 1.0    |            |               |            |         |
|                  | $f_{ref}$ at $z_{ref}$ (W/cm <sup>2</sup> )               | 1173   |            |               |            |         |
|                  | $f_{ref}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 98     |            |               |            |         |
|                  | $f_{ref}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 207    |            |               |            |         |
|                  | $P_{ref}$ at $f_{ref}$ (MPa)                              | 6.3    |            |               |            |         |
|                  | $P_{ref}$ (%)                                             | 100    | 100        | 100           | 100        | 100     |
|                  | $P_{ref}$ (Hz)                                            | 100    | 100        | 100           | 100        | 100     |
|                  | $P_{ref}$ (Hz)                                            | 100    | 100        | 100           | 100        | 100     |
| B/M-Mode         | Wave Mode                                                 | FND    | FND        | FND           | FND        | TH(P.L) |
|                  | Frequency (B)                                             | Std    | Std        | Std           | Std        | Ratio   |
|                  | Focus (B)                                                 | F4     | F4         | F4            | F4         | F1      |
|                  | Scan (B)                                                  | 100    | 25         | 25            | 25         | 25      |
|                  | Range                                                     | 14.0   | 14.0       | 14.0          | 14.0       | 2.0     |
|                  | PRF Limit                                                 | ON     | OFF        | OFF           | OFF        | OFF     |
|                  | Line Density                                              | Low    | Low        | Low           | Low        | High    |
|                  | Flow Mode                                                 | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Ref. Frequency (Color)                                    | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a     |
| B/M-Mode         | Flow (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Color Velocity Range                                      | (cm/s) | n/a        | n/a           | n/a        | n/a     |
|                  | Pocket Size                                               | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Depth                                           | (cm)   | n/a        | n/a           | n/a        | n/a     |
|                  | Color Line Density                                        | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Mode                                                 | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | High PRF                                                  | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Ref. Frequency (D)                                        | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Focus (D)                                                 | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Doppler Velocity Range                                    | (cm/s) | n/a        | n/a           | n/a        | n/a     |
| B/M-Mode         | Doppler Velocity Range                                    | (cm/s) | n/a        | n/a           | n/a        | n/a     |
|                  | Sample gate size                                          | (cm)   | n/a        | n/a           | n/a        | n/a     |
|                  | Sample gate depth                                         | (cm)   | n/a        | n/a           | n/a        | n/a     |
|                  | Triplex Frame Rate                                        | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Triplex VBL Range                                         | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TBL.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TBL or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P_{ref}$                   | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model | Index Label                                               | MI     | MODE       |               |            | TIC     |
|------------------|-----------------------------------------------------------|--------|------------|---------------|------------|---------|
|                  |                                                           |        | at surface | below surface | at surface |         |
| L53K             | Maximum Index Value                                       | 1.6    | 0.52       | 0.52          | 0.52       | 0.57    |
|                  | Index Component Value                                     |        | 0.52       | 0.52          | 0.52       | 0.52    |
|                  | $P_{ref}$ (MPa)                                           | 4.4    |            |               |            |         |
|                  | $P_{ref}$ (mW)                                            |        | 14         |               | 14         | 15      |
|                  | $P_{ref}$ (mW)                                            |        | 14         |               | 14         |         |
|                  | $z_{ref}$ (cm)                                            |        |            | -             |            |         |
|                  | $z_{ref}$ (cm)                                            |        |            |               |            | 1.0     |
|                  | $z_{ref}$ (cm)                                            | 1.4    |            |               |            |         |
|                  | $z_{ref}$ (cm)                                            | 1.4    |            |               |            |         |
|                  | $f_{ref}$ (MHz)                                           | 7.7    | 7.8        |               | 7.8        | 7.0     |
| B-Mode           | $f_{ref}$ (MHz)                                           | 3100   |            |               |            |         |
|                  | $f_{ref}$ (Hz)                                            | 100    |            |               |            |         |
|                  | $f_{ref}$ (Hz)                                            | 1.0    |            |               |            |         |
|                  | $f_{ref}$ at $z_{ref}$ (W/cm <sup>2</sup> )               | 1173   |            |               |            |         |
|                  | $f_{ref}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 16     |            |               |            |         |
|                  | $f_{ref}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 33     |            |               |            |         |
|                  | $P_{ref}$ at $f_{ref}$ (MPa)                              | 6.3    |            |               |            |         |
|                  | $P_{ref}$ (%)                                             | 100    | 100        | 100           | 100        | 100     |
|                  | $P_{ref}$ (Hz)                                            | 100    | 100        | 100           | 100        | 100     |
|                  | $P_{ref}$ (Hz)                                            | 100    | 100        | 100           | 100        | 100     |
| B-Mode           | Wave Mode                                                 | FND    | FND        | FND           | FND        | TH(P.L) |
|                  | Frequency (B)                                             | Std    | Std        | Std           | Std        | Ratio   |
|                  | Focus (B)                                                 | F4     | F4         | F4            | F4         | F1      |
|                  | Scan (B)                                                  | 100    | 25         | 25            | 25         | 25      |
|                  | Range                                                     | 14.0   | 14.0       | 14.0          | 14.0       | 2.0     |
|                  | PRF Limit                                                 | ON     | OFF        | OFF           | OFF        | OFF     |
|                  | Line Density                                              | Low    | High       | High          | High       | High    |
|                  | Flow Mode                                                 | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Ref. Frequency (Color)                                    | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a     |
| B-Mode           | Flow (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Color Velocity Range                                      | (cm/s) | n/a        | n/a           | n/a        | n/a     |
|                  | Pocket Size                                               | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Depth                                           | (cm)   | n/a        | n/a           | n/a        | n/a     |
|                  | Color Line Density                                        | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Mode                                                 | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | High PRF                                                  | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Ref. Frequency (D)                                        | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Focus (D)                                                 | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Doppler Velocity Range                                    | (cm/s) | n/a        | n/a           | n/a        | n/a     |
| B-Mode           | Doppler Velocity Range                                    | (cm/s) | n/a        | n/a           | n/a        | n/a     |
|                  | Sample gate size                                          | (cm)   | n/a        | n/a           | n/a        | n/a     |
|                  | Sample gate depth                                         | (cm)   | n/a        | n/a           | n/a        | n/a     |
|                  | Triplex Frame Rate                                        | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Triplex VBL Range                                         | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |
|                  | Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a     |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TBL.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TBL or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P_{ref}$                   | 25.00% |
| $f_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model     | Index Label            | MI    | TIS        |               | TIB        |               | TTC |
|----------------------|------------------------|-------|------------|---------------|------------|---------------|-----|
|                      |                        |       | at surface | below surface | at surface | below surface |     |
| L53K                 | Maximum Index Value    | 1.5   | 0.45       | 0.36          | 1.2        | 1.2           | 1.2 |
|                      | Index Component Value  |       | 0.45       | 0.36          | 0.29       | 1.2           |     |
| PWPB-Mode            | $P_{\text{avg}}$ (MPa) | 3.9   |            |               |            |               |     |
|                      | $P_{\text{1st}}$ (mW)  |       | 12         |               | 11         |               | 12  |
|                      | $P_{\text{1st}}$ (mW)  |       | 12         |               | 11         |               |     |
|                      | $z_{\text{a}}$ (cm)    |       |            | 0.41          |            |               |     |
|                      | $z_{\text{b}}$ (cm)    |       |            |               |            | 0.92          |     |
|                      | $z_{\text{a}}$ (cm)    | 1.3   |            |               |            |               |     |
|                      | $z_{\text{b}}$ (cm)    | 1.3   |            |               |            |               |     |
|                      | $f_{\text{ref}}$ (MHz) | 6.7   | 8.0        |               | 5.8        |               | 8.0 |
|                      | $f_{\text{ref}}$ (MHz) | 10.85 |            |               |            |               |     |
|                      | $f_{\text{ref}}$ (MHz) | -     |            |               |            |               |     |
| Other Information    | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |     |
| Operating Conditions | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
| Flow Mode            | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100 |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{a}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model     | Index Label            | MI    | TIS        |               | TIB        |               | TTC  |
|----------------------|------------------------|-------|------------|---------------|------------|---------------|------|
|                      |                        |       | at surface | below surface | at surface | below surface |      |
| L53K                 | Maximum Index Value    | 1.6   | 0.35       | 0.21          | 0.21       | 0.80          | 0.39 |
|                      | Index Component Value  |       | 0.35       | 0.21          | 0.21       | 0.80          |      |
| M-Mode               | $P_{\text{avg}}$ (MPa) | 4.4   |            |               |            |               |      |
|                      | $P_{\text{1st}}$ (mW)  |       | 10         |               | 6.9        |               | 10   |
|                      | $P_{\text{1st}}$ (mW)  |       | 10         |               | 6.9        |               |      |
|                      | $z_{\text{a}}$ (cm)    |       |            | 1.1           |            |               |      |
|                      | $z_{\text{b}}$ (cm)    |       |            |               |            | 1.3           |      |
|                      | $z_{\text{a}}$ (cm)    | 1.4   |            |               |            |               |      |
|                      | $z_{\text{b}}$ (cm)    | 1.4   |            |               |            |               |      |
|                      | $f_{\text{ref}}$ (MHz) | 7.7   | 7.0        |               | 6.3        |               | 6.7  |
|                      | $f_{\text{ref}}$ (MHz) | 10.01 |            |               |            |               |      |
|                      | $f_{\text{ref}}$ (MHz) | -     |            |               |            |               |      |
| Other Information    | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
|                      | $f_{\text{avg}}$ (Hz)  | -     |            |               |            |               |      |
| Operating Conditions | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
| Flow Mode            | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |
|                      | $P_{\text{avg}}$ (%)   | 100   | 100        |               | 100        |               | 100  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TIS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{a}}$              | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



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Table 201.103 -- Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             | L53K                                  | MODE                  |        |            |  | B/PWD-mode    |  |     |  |
|------------------------------|---------------------------------------|-----------------------|--------|------------|--|---------------|--|-----|--|
|                              |                                       | Index Label           |        | MT         |  | TTS           |  | TTR |  |
| Maximum Index Value          |                                       | 1.6                   |        | at surface |  | below surface |  |     |  |
| Index Component Value        |                                       |                       |        | 0.46       |  | below surface |  |     |  |
| Acoustic Parameters          | $P_{100}$                             | (MPa)                 | 4.1    |            |  |               |  |     |  |
|                              | $P_{100}$                             | (mW)                  |        |            |  |               |  |     |  |
|                              | $Z_1$                                 | (cm)                  |        |            |  |               |  |     |  |
|                              | $E_0$                                 | (cm)                  |        |            |  |               |  |     |  |
|                              | $Z_{0.01}$                            | (cm)                  | 1.3    |            |  |               |  |     |  |
|                              | $Z_{0.01}$                            | (cm)                  | 1.3    |            |  |               |  |     |  |
|                              | $f_{ref}$                             | (MHz)                 | D 6.71 |            |  |               |  |     |  |
|                              | $f_{ref}$                             | (Hz)                  | 980    |            |  |               |  |     |  |
|                              | $f_{ref}$                             | (Hz)                  | 6.2    |            |  |               |  |     |  |
|                              | $f_{ref}$                             | (W/cm <sup>2</sup> )  | 991    |            |  |               |  |     |  |
| Other Information            | $f_{max}$ at $Z_{0.01}$ or $Z_{0.01}$ | (mW/cm <sup>2</sup> ) | 431    |            |  |               |  |     |  |
|                              | $f_{max}$ at $Z_{0.01}$ or $Z_{0.01}$ | (mW/cm <sup>2</sup> ) | 777    |            |  |               |  |     |  |
|                              | $P_1$ at $f_{ref}$                    | (MPa)                 | 5.3    |            |  |               |  |     |  |
|                              | PWR                                   | (%)                   | 100    |            |  |               |  |     |  |
|                              | TTS Mode                              | B/Pw                  | B/Pw   |            |  |               |  |     |  |
|                              | Wave Mode                             | FND                   | THP(L) |            |  |               |  |     |  |
|                              | Frequency (B)                         | Std                   | Rezo   |            |  |               |  |     |  |
|                              | Focus (H)                             | F1                    | F1     |            |  |               |  |     |  |
|                              | Scan's (D)                            | (%)                   | 100    |            |  |               |  |     |  |
|                              | Range                                 | (cm)                  | 14.0   |            |  |               |  |     |  |
| Operating Control Conditions | PRF Limit                             | (cm)                  | ON     |            |  |               |  |     |  |
|                              | Line Density                          |                       | Low    |            |  |               |  |     |  |
|                              | Flow Mode                             |                       | n/a    |            |  |               |  |     |  |
|                              | Ref. Frequency (Color)                |                       | n/a    |            |  |               |  |     |  |
|                              | Focus (Color)                         |                       | n/a    |            |  |               |  |     |  |
|                              | Flow% (Color)                         | (%)                   | n/a    |            |  |               |  |     |  |
|                              | Color Velocity Range                  | (cm/s)                | n/a    |            |  |               |  |     |  |
|                              | Pocket Size                           |                       | n/a    |            |  |               |  |     |  |
|                              | Flow Area Depth                       | (cm)                  | n/a    |            |  |               |  |     |  |
|                              | Color Line Density                    |                       | n/a    |            |  |               |  |     |  |
| Flow Mode                    | Flow Mode                             |                       | n/a    |            |  |               |  |     |  |
|                              | High PRF                              |                       | OFF    |            |  |               |  |     |  |
|                              | Ref. Frequency (D)                    | Std                   | Rezo   |            |  |               |  |     |  |
|                              | Focus (D)                             |                       | F1     |            |  |               |  |     |  |
| Flow Mode                    | Doppler Velocity Range                | (cm/s)                | 6.23   |            |  |               |  |     |  |
|                              | Sample gate size                      | (cm)                  | 0.1    |            |  |               |  |     |  |
|                              | Sample gate depth                     | (cm)                  | 1.8    |            |  |               |  |     |  |
|                              | Triplets Frame Rate                   | n/a                   | n/a    |            |  |               |  |     |  |
| Flow Mode                    | Triplets VGL Range                    |                       | n/a    |            |  |               |  |     |  |
|                              | Flow Area Lock                        |                       | n/a    |            |  |               |  |     |  |

NOTE 1: Only one operating condition per Index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or TR.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal capillary uses.

NOTE 4: If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TTS, TR or TIC.

NOTE 5: If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to MI.

NOTE 6: "-" indicates data when a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

**NOTE 1** Only new inventions involving our business

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TIS or TBS.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic use.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to ME.

NOTE: 0 " indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pl}}$             | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| $M/I$            | 20% or 0.2, whichever larger |
| $T/I$            | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                       | LSIK   | MODE       |               |            |               | M+Color-mode |
|--------------------------------------------------------|--------|------------|---------------|------------|---------------|--------------|
| Index Label                                            | MI     | TTS        |               | TTB        |               | TTC          |
|                                                        |        | at surface | below surface | at surface | below surface |              |
| Maximum Index Value                                    | 1.6    | 0.43       |               | 1.2        |               | 1.1          |
| Index Component Value                                  |        | 0.43       | 0.26          | 0.29       | 1.2           |              |
|                                                        |        |            |               |            |               |              |
| $P_{ac}$ (MPa)                                         | 4.5    |            |               |            |               |              |
| $P$ (mW)                                               |        |            |               |            |               |              |
| $P_{101}$ (mW)                                         |        | 11         |               | 11         |               | 11           |
| $S_z$ (cm)                                             |        |            | 0.90          |            |               |              |
| $S_x$ (cm)                                             |        |            |               |            | 0.92          |              |
| $S_{ax}$ (cm)                                          | 1.4    |            |               |            |               |              |
| $S_{ay}$ (cm)                                          | 1.4    |            |               |            |               |              |
| $f_{ref}$ (MHz)                                        | 8.0    | 8.0        |               |            | 5.8           | 6.8          |
| $prf$                                                  | 2083   |            |               |            |               |              |
| $arr$                                                  | -      |            |               |            |               |              |
| $I_{ac}$ at $S_{ax}$ (W/cm <sup>2</sup> )              | 1190   |            |               |            |               |              |
| $I_{ac}$ at $S_{ax}$ at $S_{ax}$ (mW/cm <sup>2</sup> ) | 456    |            |               |            |               |              |
| $I_{ac}$ at $S_{ax}$ at $S_{ax}$ (mW/cm <sup>2</sup> ) | 983    |            |               |            |               |              |
| $P$ at $S_{ax}$ (MPa)                                  | 6.4    |            |               |            |               |              |
| PRF%                                                   | (%)    | 100        | 100           | 100        | 100           | 100          |
| Tr Mode                                                | MPFlow | MPFlow     |               | MPFlow     |               | MPFlow       |
| Wave Mode                                              |        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Frequency (B)                                          | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Focus (B)                                              | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Scan% (B)                                              | (%)    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Range                                                  | (cm)   | 14.0       | 14.0          | 2.5        | 2.0           | 2.0          |
| PRF Limit                                              |        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Line Density                                           | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Flow Mode                                              | Flow   | Flow       | Flow          | Flow       | Flow          | Flow         |
| Ref. Frequency (Color)                                 | Remo   | Remo       | Remo          | Remo       | Std           | Std          |
| Focus (Color)                                          | F4     | F7         | F2            | F1         | F1            | F1           |
| Flow% (Color)                                          | (%)    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Color Velocity Range                                   | (cm/s) | 956        | 28.66         | 19.92      | 44.27         | 44.27        |
| Pecker Size                                            | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Flow Arms Depth                                        | (cm)   | 14.0       | 14.0          | 14.0       | 14.0          | 14.0         |
| Color Line Density                                     | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Pe Mode                                                | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| High PRF                                               |        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Ref. Frequency (D)                                     | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Focus (D)                                              | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Doppler Velocity Range                                 | (cm/s) | n/a        | n/a           | n/a        | n/a           | n/a          |
| Sample gate size                                       | (cm)   | n/a        | n/a           | n/a        | n/a           | n/a          |
| Sample gate depth                                      | (cm)   | n/a        | n/a           | n/a        | n/a           | n/a          |
| Triple Frame Rate                                      | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Triple VEL. Range                                      | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |
| Flow Arms Lock                                         | n/a    | n/a        | n/a           | n/a        | n/a           | n/a          |

Flow Area Lock

NOTE 2: Data should be entered for all surface and bottom surface both in the columns related to T10 and T100.

**NOTE 3:** Information need not be provided regarding TC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cranial use.

NOTE 4 If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to ML.

NOTE: \* indicates cells where a numerical value should be entered. The asterisk should be entered in the remaining control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{Fe}}$             | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| T7               | 40% or 0.4, whichever larger |

| Display accuracy |                              |
|------------------|------------------------------|
| <i>MI</i>        | 20% or 0.2, whichever larger |
| <i>TI</i>        | 40% or 0.4, whichever larger |

|                             |  |        |
|-----------------------------|--|--------|
| measurement uncertainty (%) |  |        |
| $P$                         |  | 25.00% |
| $I_H$                       |  | 37.14% |
| $P_{\text{H}}$              |  | 18.75% |

NOTE 1: Only one specifying condition per index.  
NOTE 2: Data should be entered for all the columns related to TTS or TB.  
NOTE 3: Data should be entered for all the columns related to TTS or TB.  
NOTE 4: Information need not be provided regarding T/C for any TRANSCORPORATE ASSEMBLY, not intended for transcorporate or noncorporate cases.  
NOTE 5: If the requirements of 201.12.2(b) are met, it is not required to enter any data in the columns related to TTS, TB or T/C.  
NOTE 6: If the requirements of 201.12.2(b) are met, it is not required to enter any data in the columns related to TTS, TB or T/C.  
NOTE 7: If the requirements of 201.12.2(b) are met, it is not required to enter any data in the columns related to T/C.

### (3) Электронные секторные датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

S11 Sector

Acoustic power is controllable by the user.

| Parameter                        | Mode     | $B_0$   | $B_{50\text{dB}}$ | M       | $D_0$   | $D_{50\text{dB}}$ | (M+Color)P | (M+Color)Japan | (B+D) <sub>0</sub> | (B+D) <sub>50dB</sub> | (B+Color)P | (B+Color)Japan | (B+Color)Dp | (B+Color+D)Japan | CWD     |
|----------------------------------|----------|---------|-------------------|---------|---------|-------------------|------------|----------------|--------------------|-----------------------|------------|----------------|-------------|------------------|---------|
| Maximum power                    | (mW)     | 114     | 132               | 65      | 91      | 112               | 104        | 129            | 40                 | 113                   | 35         | 144            | 56          | 107              | 164     |
| $p_r$                            | (MPa)    | 4.7     | 1.9               | 4.7     | 4.7     | 1.1               | 4.5        | 2.8            | 4.7                | 1.9                   | 4.7        | 2.4            | 4.7         | 2.2              | 0.15    |
| $I_a$                            | (mW/cm²) | 61      | 102               | 35      | 53      | 65                | 60         | 75             | 49                 | 69                    | 41         | 94             | 76          | 63               | 152     |
| $I_{a0}$                         | (mW/cm²) | 33      | 233               | 966     | 1130    | 1699              | 1327       | 1744           | 253                | 1600                  | 13         | 367            | 370         | 1602             | 768     |
| PWR%                             | (%)      | 100     | 100               | 100     | 100     | 100               | 100        | 100            | 100                | 100                   | 100        | 100            | 100         | 100              | 100     |
| Tr Mode                          |          | B       | B                 | M       | Pw      | Pw                | M/Flow     | M/Flow         | B/Flow             | B/Flow                | B/Flow     | B/Flow         | B/Flow      | B/Flow           | Cw      |
| Wave Mode                        |          | PND     | THU(PND)          | FND     | n/a     | n/a               | n/a        | n/a            | THU(PND)           | THU(PND)              | FND        | THU(PND)       | FND         | THU(PND)         | n/a     |
| Frequency (B)                    |          | Razo    | Razo              | Razo    | n/a     | n/a               | n/a        | n/a            | Razo               | Razo                  | Razo       | Razo           | Razo        | Razo             | n/a     |
| Focus (B)                        |          | F4      | F2                | F4      | n/a     | n/a               | n/a        | n/a            | F4                 | F2                    | F4         | F3             | F4          | F2               | n/a     |
| Scarf% (B)                       | (%)      | 100     | 25                | n/a     | n/a     | n/a               | n/a        | n/a            | 100                | 25                    | 100        | 25             | 100         | 27               | n/a     |
| Range                            | (cm)     | 40.0    | 10.0              | n/a     | n/a     | n/a               | n/a        | n/a            | 40.0               | 10.0                  | 40.0       | 21.0           | 40.0        | 19.0             | n/a     |
| PRF Limit                        |          | ONS     | OFF               | n/a     | n/a     | n/a               | n/a        | n/a            | ONS                | OFF                   | ONS        | OFF            | ONS         | OFF              | n/a     |
| Line Density                     |          | High    | High              | n/a     | n/a     | n/a               | n/a        | n/a            | Low                | Medium                | Low        | High           | Low         | Medium           | n/a     |
| Flow Mode                        |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | Flow       | Flow           | Flow        | Flow             | n/a     |
| Ref. Frequency (Color)           |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | Razo       | Penet          | Razo        | Razo             | n/a     |
| Focus (Color)                    |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | F1         | F3             | F1          | F4               | n/a     |
| Flow% (Color)                    | (%)      | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | 100        | 15             | 100         | 15               | n/a     |
| Color Velocity Range             | (cm/s)   | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | 0.63       | 28.46          | 8.30        | 44.27            | n/a     |
| Pocket Size                      |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | Low        | High           | Low         | High             | n/a     |
| Flow Area Depth                  | (cm)     | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | 40.0       | 21.0           | 40.0        | 19.0             | n/a     |
| Color Line Density               |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | 1          | 3              | 1           | 3                | n/a     |
| Pw Mode                          |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | PW         | n/a            | PW          | PW               | n/a     |
| High PRF                         |          | n/a     | n/a               | n/a     | OFF     | OFF               | n/a        | n/a            | n/a                | OFF                   | n/a        | n/a            | n/a         | OFF              | n/a     |
| Ref. Frequency (D)               |          | n/a     | n/a               | n/a     | Razo    | Razo              | n/a        | n/a            | Razo               | Razo                  | n/a        | n/a            | Razo        | Razo             | n/a     |
| Focus (D)                        |          | n/a     | n/a               | n/a     | F5      | F5                | n/a        | n/a            | F1                 | F4                    | n/a        | n/a            | F1          | F4               | n/a     |
| Doppler Velocity Range           | (cm/s)   | n/a     | n/a               | n/a     | 6.23    | 108.18            | n/a        | n/a            | 6.23               | 99.61                 | n/a        | n/a            | 8.30        | 99.61            | n/a     |
| Sample gate size                 | (cm)     | n/a     | n/a               | n/a     | 0.1     | 0.1               | n/a        | n/a            | 0.1                | 0.1                   | n/a        | n/a            | 0.1         | 0.1              | n/a     |
| Sample gate depth                | (cm)     | n/a     | n/a               | n/a     | 7.6     | 8.6               | n/a        | n/a            | 2.8                | 6.0                   | n/a        | n/a            | 2.8         | 6.0              | n/a     |
| Triplex Frame Rate               | (cm)     | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| Triplex VEL Range                |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| Flow Area Lock                   |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| $F_p$                            | (mm)     | 65      | 36                | 65      | 65      | 65                | 65         | 63             | 65                 | 60                    | 65         | 40             | 65          | 60               | 35      |
| $W_{ad}$                         | (mm)     | 2.5     | 3.3               | 2.5     | 2.9     | 2.9               | 2.9        | 3.1            | 2.5                | 2.6                   | 2.5        | 3.4            | 2.5         | 2.6              | 4.1     |
| $grr$ (PRF)                      | (Hz)     | 3.4     | 4.9               | 3.4     | 3.4     | 3.4               | 1335       | 5828           | n/a                | n/a                   | n/a        | 4.2            | 3.4         | 3.2              | 4.2     |
| $grr$ (SRF)                      | (Hz)     | n/a     | n/a               | 1004    | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| $n_{pr}$                         |          | 43      | 181               | n/a     | n/a     | n/a               | n/a        | n/a            | 2.8                | 46                    | 5.2        | 18             | 1.2         | 7.9              | n/a     |
| $n_{pr}$                         |          | 1.0     | 1.0               | n/a     | n/a     | n/a               | n/a        | n/a            | 1.0                | 1.0                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| $n_{pr}$                         |          | 41      | 31                | n/a     | n/a     | n/a               | n/a        | n/a            | 41                 | 17                    | 16         | 13             | 16          | 14               | 9.0     |
| Output beam dimensions           | (mm)     | 16      | 11                | 16      | 14      | 14                | 14         | 14             | 16                 | 14                    | 16         | 13             | 16          | 14               | 12      |
| $f_{ref}$                        | (MHz)    | 3.1     | 1.9               | 3.1     | 3.0     | 3.0               | 3.0        | 2.9            | 3.1                | 3.0                   | 3.1        | 1.8            | 3.1         | 3.0              | 1.8     |
| Acoustic Power-up fraction       | (%)      | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| Power-up mode                    |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| Acoustic Initialization fraction | (%)      | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| Initialization mode              |          | n/a     | n/a               | n/a     | n/a     | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a         | n/a              | n/a     |
| Acoustic output freeze           |          | Yes     | Yes               | Yes     | Yes     | Yes               | Yes        | Yes            | Yes                | Yes                   | Yes        | Yes            | Yes         | Yes              | Yes     |
| $F_{a0}$                         | (mm)     | 1.8     | 1.8               | 1.8     | 1.8     | 1.8               | 1.8        | 1.8            | 1.8                | 1.8                   | 1.8        | 1.8            | 1.8         | 1.8              | 1.8     |
| Initiative modes                 |          | contact | contact           | contact | contact | contact           | contact    | contact        | contact            | contact               | contact    | contact        | contact     | contact          | contact |

|            |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ARIETTA 50 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ARIETTA 50 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ARIETTA 50 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ARIETTA 50 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

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| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $n$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| <i>MI</i>        | 20% or 0.2, whichever larger |
| <i>TI</i>        | 40% or 0.4, whichever larger |

NOTE 8: "\*" indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

NOTE 5. If the requirements of 201.12.4.2b) are met, it is not required to enter any data in the column related to ML.

NOTE: 0 ~" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.





Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

| Index Label                                               | MI         | TTS        |               | TIB        |               | TTC          |
|-----------------------------------------------------------|------------|------------|---------------|------------|---------------|--------------|
|                                                           |            | at surface | below surface | at surface | below surface |              |
| Maximum Index Value                                       | 1.6        | 1.1        | 0.91          | 1.0        | 3.6           | 2.6          |
| Index Component Value                                     |            | 1.1        | 0.91          | 1.0        | 3.6           |              |
| $P_{r,0}$ (MPa)                                           | 2.8        |            |               |            |               |              |
| $P_{r,1}$ (mW)                                            |            | 98         |               | 102        |               | 102          |
| Acoustic Parameters                                       |            |            |               |            |               |              |
| $P_{r,11}$ (mW)                                           |            | 81         |               | 85         |               |              |
| $z_s$ (cm)                                                |            |            | 1.8           |            | 1.4           |              |
| $z_b$ (cm)                                                |            |            |               |            |               |              |
| $z_{ar}$ (cm)                                             | 4.7        |            |               |            |               |              |
| $z_{pl,0}$ (cm)                                           | 4.7        |            |               |            |               |              |
| $f_{ref}$ (MHz)                                           | B:3.09     |            |               |            |               |              |
| $f_{ref}$ (MHz)                                           | B:1.9, D:3 |            |               |            |               | B:1.9, D:2.5 |
| $f_{ref}$ (Hz)                                            | 481        |            |               |            |               |              |
| $f_{ref}$ (Hz)                                            | 2.8        |            |               |            |               |              |
| $f_{ref}$ (Hz)                                            | 1.0        |            |               |            |               |              |
| Other Information                                         |            |            |               |            |               |              |
| $f_{max}$ at $z_{pl,0}$ or $z_{ar}$ (W/cm <sup>2</sup> )  | 600        |            |               |            |               |              |
| $f_{max}$ at $z_{pl,0}$ or $z_{ar}$ (mW/cm <sup>2</sup> ) | 154        |            |               |            |               |              |
| $f_{max}$ at $z_{pl}$ or $z_{ar}$ (mW/cm <sup>2</sup> )   | 252        |            |               |            |               |              |
| $P_r$ at $z_{pl}$ (MPa)                                   | 4.3        |            |               |            |               |              |
| $P_r$ at $z_{pl}$ (%)                                     | 100        | 100        | 100           | 100        | 100           | 100          |
| Operating Control Conditions                              |            |            |               |            |               |              |
| Wave Mode                                                 | B/PW       | B/PW       | B/PW          | B/PW       | B/PW          | B/PW         |
| Frequency (B)                                             | TH(PW)     | TH(PW)     | TH(PW)        | TH(PW)     | TH(PW)        | TH(PW)       |
| Focus (B)                                                 | Reno       | Reno       | Reno          | Reno       | Reno          | Reno         |
| Scan% (B)                                                 | F3         | F2         | F2            | F2         | F2            | F2           |
| Range                                                     | 100        | 25         | 25            | 25         | 25            | 25           |
| PRF Limit                                                 | 40.0       | 10.0       | 10.0          | 10.0       | 10.0          | 10.0         |
| Line Density                                              | ON         | OFF        | OFF           | OFF        | OFF           | OFF          |
| Flow Mode                                                 | Low        | Low        | Low           | Low        | Low           | Low          |
| Ref. Frequency (Color)                                    | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Flow% (Color)                                             | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Color Velocity Range                                      | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Pocket Size                                               | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Flow Area Depth                                           | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Color Line Density                                        | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| PW Mode                                                   | PW         | PW         | PW            | PW         | PW            | PW           |
| High PRF                                                  | OFF        | OFF        | OFF           | OFF        | OFF           | OFF          |
| Ref. Frequency (D)                                        | Reno       | Reno       | Reno          | Reno       | Reno          | Reno         |
| Focus (D)                                                 | F1         | F2         | F1            | F1         | F1            | F1           |
| Doppler Velocity Range                                    | 6.23       | 159.38     | 36.22         | 36.22      | 36.22         | 36.22        |
| Sample gate size                                          | 0.1        | 0.1        | 0.1           | 0.1        | 0.1           | 0.1          |
| Sample gate depth                                         | 2.8        | 3.0        | 3.0           | 3.0        | 3.0           | 3.0          |
| Triplets Frame Rate                                       | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Triplets VEL Range                                        | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |
| Flow Area Lock                                            | n/a        | n/a        | n/a           | n/a        | n/a           | n/a          |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{p,0}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

| Index Label                                               | MI     | TTS        |               | TIB        |               | TTC    |
|-----------------------------------------------------------|--------|------------|---------------|------------|---------------|--------|
|                                                           |        | at surface | below surface | at surface | below surface |        |
| Maximum Index Value                                       | 1.6    | 1.0        | 1.2           | 0.76       | 4.2           | 3.1    |
| Index Component Value                                     |        | 1.0        | 1.2           | 0.76       | 4.2           |        |
| $P_{r,0}$ (MPa)                                           | 2.8    |            |               |            |               |        |
| $P_{r,1}$ (mW)                                            |        | 131        |               | 153        |               | 118    |
| Acoustic Parameters                                       |        |            |               |            |               |        |
| $P_{r,11}$ (mW)                                           |        | 75         |               | 87         |               |        |
| $z_s$ (cm)                                                |        |            | 2.2           |            | 4.4           |        |
| $z_b$ (cm)                                                |        |            |               |            |               |        |
| $z_{ar}$ (cm)                                             | 5.4    |            |               |            |               |        |
| $z_{pl,0}$ (cm)                                           | 5.4    |            |               |            |               |        |
| $f_{ref}$ (MHz)                                           | 3.0    |            |               |            |               |        |
| $f_{ref}$ (MHz)                                           | 2.9    |            |               |            |               |        |
| $f_{ref}$ (Hz)                                            | 1335   |            |               |            |               |        |
| $f_{ref}$ (Hz)                                            | -      |            |               |            |               |        |
| $f_{ref}$ (Hz)                                            | -      |            |               |            |               |        |
| Other Information                                         |        |            |               |            |               |        |
| $f_{max}$ at $z_{pl,0}$ or $z_{ar}$ (W/cm <sup>2</sup> )  | 513    |            |               |            |               |        |
| $f_{max}$ at $z_{pl,0}$ or $z_{ar}$ (mW/cm <sup>2</sup> ) | 428    |            |               |            |               |        |
| $f_{max}$ at $z_{pl}$ or $z_{ar}$ (mW/cm <sup>2</sup> )   | 1308   |            |               |            |               |        |
| $P_r$ at $z_{pl}$ (MPa)                                   | 4.5    |            |               |            |               |        |
| $P_r$ at $z_{pl}$ (%)                                     | 100    | 100        | 100           | 100        | 100           | 100    |
| Operating Control Conditions                              |        |            |               |            |               |        |
| Wave Mode                                                 | M/Flow | M/Flow     | M/Flow        | M/Flow     | M/Flow        | M/Flow |
| Frequency (B)                                             | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Focus (B)                                                 | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Scan% (B)                                                 | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Range                                                     | 40.0   | 40.0       | 40.0          | 19.0       | 19.0          | 19.0   |
| PRF Limit                                                 | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Line Density                                              | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Flow Mode                                                 | Flow   | Flow       | Flow          | Flow       | Flow          | Flow   |
| Ref. Frequency (Color)                                    | Reno   | Reno       | Reno          | Reno       | Reno          | Reno   |
| Flow% (Color)                                             | F4     | F5         | F5            | F5         | F5            | F5     |
| Color Velocity Range                                      | 16.60  | 28.46      | 28.46         | 61.30      | 61.30         | 113.84 |
| Pocket Size                                               | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Flow Area Depth                                           | 40.0   | 40.0       | 40.0          | 40.0       | 40.0          | 40.0   |
| Color Line Density                                        | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| PW Mode                                                   | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| High PRF                                                  | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Ref. Frequency (D)                                        | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Focus (D)                                                 | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Doppler Velocity Range                                    | (cm/s) | n/a        | n/a           | n/a        | n/a           | n/a    |
| Sample gate size                                          | (cm)   | n/a        | n/a           | n/a        | n/a           | n/a    |
| Sample gate depth                                         | (cm)   | n/a        | n/a           | n/a        | n/a           | n/a    |
| Triplets Frame Rate                                       | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Triplets VEL Range                                        | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |
| Flow Area Lock                                            | n/a    | n/a        | n/a           | n/a        | n/a           | n/a    |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{p,0}$                   | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |



| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 35.00% |
| $f_d$                       | 37.40% |
| $n$                         | 98.75% |

| measurement uncertainty (%) |       |
|-----------------------------|-------|
| 25.00%                      | $P$   |
| 37.14%                      | $I_P$ |
| 18.75%                      | $D$   |

**10**

CVS & 76 indicates info where a requested value should be entered. The entered value related to the label has to be entered in the corresponding control window.

[illegible]

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_P$                       | 37.14% |
| $R_c$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| AG               | 20% or 0.2, whichever larger |
| TT               | 60% or 0.6, whichever larger |

|                             |        |
|-----------------------------|--------|
| measurement uncertainty (%) |        |
| $P$                         | 25.00% |
| $I_{\text{H}}$              | 37.14% |



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ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             |                    | S31                   |  | MODE       |  | B/N-Mode      |  |      |  |
|------------------------------|--------------------|-----------------------|--|------------|--|---------------|--|------|--|
| Index Label                  |                    | MI                    |  | TTS        |  | TIB           |  | TTC  |  |
| Maximum Index Value          |                    | 1.6                   |  | 0.79       |  | 1.1           |  | 2.2  |  |
| Index Component Value        |                    |                       |  | at surface |  | below surface |  |      |  |
| Acoustic Parameters          | $P_{\text{avg}}$   | (MPa)                 |  |            |  |               |  |      |  |
|                              | $P$                | (mW)                  |  | 35         |  | 43            |  | 43   |  |
|                              | $P_{\text{iso}}$   | (mW)                  |  | 35         |  | 43            |  |      |  |
|                              | $z_r$              | (cm)                  |  | 1.3        |  |               |  |      |  |
|                              | $z_s$              | (cm)                  |  |            |  | 1.9           |  |      |  |
| Other Information            | $z_{\text{iso}}$   | (cm)                  |  |            |  |               |  |      |  |
|                              | $z_{\text{iso}}$   | (cm)                  |  | 0.41       |  |               |  |      |  |
|                              | $z_{\text{iso}}$   | (cm)                  |  | 0.41       |  |               |  |      |  |
|                              | $f_{\text{ref}}$   | (MHz)                 |  | 2.7        |  | 2.9           |  | 2.9  |  |
|                              | $f_{\text{ref}}$   | (Hz)                  |  | 2364       |  |               |  |      |  |
| Operating Control Conditions | $f_{\text{ref}}$   | (Hz)                  |  | 45         |  |               |  |      |  |
|                              | $\eta_{\text{me}}$ |                       |  | 1.0        |  |               |  |      |  |
|                              | $I_{\text{peak}}$  | (W/cm <sup>2</sup> )  |  | 305        |  |               |  |      |  |
|                              | $I_{\text{peak}}$  | (mW/cm <sup>2</sup> ) |  | 181        |  |               |  |      |  |
|                              | $I_{\text{peak}}$  | (mW/cm <sup>2</sup> ) |  | 195        |  |               |  |      |  |
| Operating Control Conditions | $P_{\text{r}}$     | (MPa)                 |  | 2.7        |  |               |  |      |  |
|                              | PWR%               | (%)                   |  | 100        |  | 100           |  | 100  |  |
|                              | Wave Mode          | B/M                   |  | B/M        |  | B/M           |  | B/M  |  |
|                              | Frequency (B)      | PND                   |  | PND        |  | PND           |  | PND  |  |
|                              | Focus (B)          | F1                    |  | F1         |  | F1            |  | F1   |  |
| Operating Control Conditions | Focus (B)          | F2                    |  | F2         |  | F2            |  | F2   |  |
|                              | Focus (B)          | F3                    |  | F3         |  | F3            |  | F3   |  |
|                              | Focus (B)          | F4                    |  | F4         |  | F4            |  | F4   |  |
|                              | Focus (B)          | F5                    |  | F5         |  | F5            |  | F5   |  |
|                              | Focus (B)          | F6                    |  | F6         |  | F6            |  | F6   |  |
| Operating Control Conditions | Focus (B)          | F7                    |  | F7         |  | F7            |  | F7   |  |
|                              | Focus (B)          | F8                    |  | F8         |  | F8            |  | F8   |  |
|                              | Focus (B)          | F9                    |  | F9         |  | F9            |  | F9   |  |
|                              | Focus (B)          | F10                   |  | F10        |  | F10           |  | F10  |  |
|                              | Focus (B)          | F11                   |  | F11        |  | F11           |  | F11  |  |
| Operating Control Conditions | Focus (B)          | F12                   |  | F12        |  | F12           |  | F12  |  |
|                              | Focus (B)          | F13                   |  | F13        |  | F13           |  | F13  |  |
|                              | Focus (B)          | F14                   |  | F14        |  | F14           |  | F14  |  |
|                              | Focus (B)          | F15                   |  | F15        |  | F15           |  | F15  |  |
|                              | Focus (B)          | F16                   |  | F16        |  | F16           |  | F16  |  |
| Operating Control Conditions | Focus (B)          | F17                   |  | F17        |  | F17           |  | F17  |  |
|                              | Focus (B)          | F18                   |  | F18        |  | F18           |  | F18  |  |
|                              | Focus (B)          | F19                   |  | F19        |  | F19           |  | F19  |  |
|                              | Focus (B)          | F20                   |  | F20        |  | F20           |  | F20  |  |
|                              | Focus (B)          | F21                   |  | F21        |  | F21           |  | F21  |  |
| Operating Control Conditions | Focus (B)          | F22                   |  | F22        |  | F22           |  | F22  |  |
|                              | Focus (B)          | F23                   |  | F23        |  | F23           |  | F23  |  |
|                              | Focus (B)          | F24                   |  | F24        |  | F24           |  | F24  |  |
|                              | Focus (B)          | F25                   |  | F25        |  | F25           |  | F25  |  |
|                              | Focus (B)          | F26                   |  | F26        |  | F26           |  | F26  |  |
| Operating Control Conditions | Focus (B)          | F27                   |  | F27        |  | F27           |  | F27  |  |
|                              | Focus (B)          | F28                   |  | F28        |  | F28           |  | F28  |  |
|                              | Focus (B)          | F29                   |  | F29        |  | F29           |  | F29  |  |
|                              | Focus (B)          | F30                   |  | F30        |  | F30           |  | F30  |  |
|                              | Focus (B)          | F31                   |  | F31        |  | F31           |  | F31  |  |
| Operating Control Conditions | Focus (B)          | F32                   |  | F32        |  | F32           |  | F32  |  |
|                              | Focus (B)          | F33                   |  | F33        |  | F33           |  | F33  |  |
|                              | Focus (B)          | F34                   |  | F34        |  | F34           |  | F34  |  |
|                              | Focus (B)          | F35                   |  | F35        |  | F35           |  | F35  |  |
|                              | Focus (B)          | F36                   |  | F36        |  | F36           |  | F36  |  |
| Operating Control Conditions | Focus (B)          | F37                   |  | F37        |  | F37           |  | F37  |  |
|                              | Focus (B)          | F38                   |  | F38        |  | F38           |  | F38  |  |
|                              | Focus (B)          | F39                   |  | F39        |  | F39           |  | F39  |  |
|                              | Focus (B)          | F40                   |  | F40        |  | F40           |  | F40  |  |
|                              | Focus (B)          | F41                   |  | F41        |  | F41           |  | F41  |  |
| Operating Control Conditions | Focus (B)          | F42                   |  | F42        |  | F42           |  | F42  |  |
|                              | Focus (B)          | F43                   |  | F43        |  | F43           |  | F43  |  |
|                              | Focus (B)          | F44                   |  | F44        |  | F44           |  | F44  |  |
|                              | Focus (B)          | F45                   |  | F45        |  | F45           |  | F45  |  |
|                              | Focus (B)          | F46                   |  | F46        |  | F46           |  | F46  |  |
| Operating Control Conditions | Focus (B)          | F47                   |  | F47        |  | F47           |  | F47  |  |
|                              | Focus (B)          | F48                   |  | F48        |  | F48           |  | F48  |  |
|                              | Focus (B)          | F49                   |  | F49        |  | F49           |  | F49  |  |
|                              | Focus (B)          | F50                   |  | F50        |  | F50           |  | F50  |  |
|                              | Focus (B)          | F51                   |  | F51        |  | F51           |  | F51  |  |
| Operating Control Conditions | Focus (B)          | F52                   |  | F52        |  | F52           |  | F52  |  |
|                              | Focus (B)          | F53                   |  | F53        |  | F53           |  | F53  |  |
|                              | Focus (B)          | F54                   |  | F54        |  | F54           |  | F54  |  |
|                              | Focus (B)          | F55                   |  | F55        |  | F55           |  | F55  |  |
|                              | Focus (B)          | F56                   |  | F56        |  | F56           |  | F56  |  |
| Operating Control Conditions | Focus (B)          | F57                   |  | F57        |  | F57           |  | F57  |  |
|                              | Focus (B)          | F58                   |  | F58        |  | F58           |  | F58  |  |
|                              | Focus (B)          | F59                   |  | F59        |  | F59           |  | F59  |  |
|                              | Focus (B)          | F60                   |  | F60        |  | F60           |  | F60  |  |
|                              | Focus (B)          | F61                   |  | F61        |  | F61           |  | F61  |  |
| Operating Control Conditions | Focus (B)          | F62                   |  | F62        |  | F62           |  | F62  |  |
|                              | Focus (B)          | F63                   |  | F63        |  | F63           |  | F63  |  |
|                              | Focus (B)          | F64                   |  | F64        |  | F64           |  | F64  |  |
|                              | Focus (B)          | F65                   |  | F65        |  | F65           |  | F65  |  |
|                              | Focus (B)          | F66                   |  | F66        |  | F66           |  | F66  |  |
| Operating Control Conditions | Focus (B)          | F67                   |  | F67        |  | F67           |  | F67  |  |
|                              | Focus (B)          | F68                   |  | F68        |  | F68           |  | F68  |  |
|                              | Focus (B)          | F69                   |  | F69        |  | F69           |  | F69  |  |
|                              | Focus (B)          | F70                   |  | F70        |  | F70           |  | F70  |  |
|                              | Focus (B)          | F71                   |  | F71        |  | F71           |  | F71  |  |
| Operating Control Conditions | Focus (B)          | F72                   |  | F72        |  | F72           |  | F72  |  |
|                              | Focus (B)          | F73                   |  | F73        |  | F73           |  | F73  |  |
|                              | Focus (B)          | F74                   |  | F74        |  | F74           |  | F74  |  |
|                              | Focus (B)          | F75                   |  | F75        |  | F75           |  | F75  |  |
|                              | Focus (B)          | F76                   |  | F76        |  | F76           |  | F76  |  |
| Operating Control Conditions | Focus (B)          | F77                   |  | F77        |  | F77           |  | F77  |  |
|                              | Focus (B)          | F78                   |  | F78        |  | F78           |  | F78  |  |
|                              | Focus (B)          | F79                   |  | F79        |  | F79           |  | F79  |  |
|                              | Focus (B)          | F80                   |  | F80        |  | F80           |  | F80  |  |
|                              | Focus (B)          | F81                   |  | F81        |  | F81           |  | F81  |  |
| Operating Control Conditions | Focus (B)          | F82                   |  | F82        |  | F82           |  | F82  |  |
|                              | Focus (B)          | F83                   |  | F83        |  | F83           |  | F83  |  |
|                              | Focus (B)          | F84                   |  | F84        |  | F84           |  | F84  |  |
|                              | Focus (B)          | F85                   |  | F85        |  | F85           |  | F85  |  |
|                              | Focus (B)          | F86                   |  | F86        |  | F86           |  | F86  |  |
| Operating Control Conditions | Focus (B)          | F87                   |  | F87        |  | F87           |  | F87  |  |
|                              | Focus (B)          | F88                   |  | F88        |  | F88           |  | F88  |  |
|                              | Focus (B)          | F89                   |  | F89        |  | F89           |  | F89  |  |
|                              | Focus (B)          | F90                   |  | F90        |  | F90           |  | F90  |  |
|                              | Focus (B)          | F91                   |  | F91        |  | F91           |  | F91  |  |
| Operating Control Conditions | Focus (B)          | F92                   |  | F92        |  | F92           |  | F92  |  |
|                              | Focus (B)          | F93                   |  | F93        |  | F93           |  | F93  |  |
|                              | Focus (B)          | F94                   |  | F94        |  | F94           |  | F94  |  |
|                              | Focus (B)          | F95                   |  | F95        |  | F95           |  | F95  |  |
|                              | Focus (B)          | F96                   |  | F96        |  | F96           |  | F96  |  |
| Operating Control Conditions | Focus (B)          | F97                   |  | F97        |  | F97           |  | F97  |  |
|                              | Focus (B)          | F98                   |  | F98        |  | F98           |  | F98  |  |
|                              | Focus (B)          | F99                   |  | F99        |  | F99           |  | F99  |  |
|                              | Focus (B)          | F100                  |  | F100       |  | F100          |  | F100 |  |
|                              | Focus (B)          | F101                  |  | F101       |  | F101          |  | F101 |  |
| Operating Control Conditions | Focus (B)          | F102                  |  | F102       |  | F102          |  | F102 |  |
|                              | Focus (B)          | F103                  |  | F103       |  | F103          |  | F103 |  |
|                              | Focus (B)          | F104                  |  | F104       |  | F104          |  | F104 |  |
|                              | Focus (B)          | F105                  |  | F105       |  | F105          |  | F105 |  |
|                              | Focus (B)          | F106                  |  | F106       |  | F106          |  | F106 |  |
| Operating Control Conditions | Focus (B)          | F107                  |  | F107       |  | F107          |  | F107 |  |
|                              | Focus (B)          | F108                  |  | F108       |  | F108          |  | F108 |  |
|                              | Focus (B)          | F109                  |  | F109       |  | F109          |  | F109 |  |
|                              | Focus (B)          | F110                  |  | F110       |  | F110          |  | F110 |  |
|                              | Focus (B)          | F111                  |  | F111       |  | F111          |  | F111 |  |
| Operating Control Conditions | Focus (B)          | F112                  |  | F112       |  | F112          |  | F112 |  |
|                              | Focus (B)          | F113                  |  | F113       |  | F113          |  | F113 |  |
|                              | Focus (B)          | F114                  |  | F114       |  | F114          |  | F114 |  |
|                              | Focus (B)          | F115                  |  | F115       |  | F115          |  | F115 |  |
|                              | Focus (B)          | F116                  |  | F116       |  | F116          |  | F116 |  |
| Operating Control Conditions | Focus (B)          | F117                  |  | F117       |  | F117          |  | F117 |  |
|                              | Focus (B)          | F118                  |  | F118       |  | F118          |  | F118 |  |
|                              | Focus (B)          | F119                  |  | F119       |  | F119          |  | F119 |  |
|                              | Focus (B)          | F120                  |  | F120       |  | F120          |  | F120 |  |
|                              | Focus (B)          | F121                  |  | F121       |  | F121          |  | F121 |  |
| Operating Control Conditions | Focus (B)          | F122                  |  | F122       |  | F122          |  | F122 |  |
|                              | Focus (B)          | F123                  |  | F123       |  | F123          |  | F123 |  |
|                              | Focus (B)          | F124                  |  | F124       |  | F124          |  | F124 |  |
|                              | Focus (B)          | F125                  |  | F125       |  | F125          |  | F125 |  |
|                              | Focus (B)          | F126                  |  | F126       |  | F126          |  | F126 |  |
| Operating Control Conditions | Focus (B)          | F127                  |  | F127       |  | F127          |  | F127 |  |
|                              | Focus (B)          | F128                  |  | F128       |  | F128          |  | F128 |  |
|                              | Focus (B)          | F129                  |  | F129       |  | F129          |  | F129 |  |
|                              | Focus (B)          | F130                  |  | F130       |  | F130          |  | F130 |  |
|                              | Focus (B)          | F131                  |  | F131       |  | F131          |  | F131 |  |
| Operating Control Conditions | Focus (B)          | F132                  |  | F132       |  | F132          |  | F132 |  |
|                              | Focus (B)          | F133                  |  | F133       |  | F133          |  | F133 |  |
|                              | Focus (B)          | F134                  |  | F134       |  | F134          |  | F134 |  |
|                              | Focus (B)          | F135                  |  | F135       |  | F135          |  | F135 |  |
|                              | Focus (B)          | F136                  |  | F136       |  | F136          |  | F136 |  |
| Operating Control Conditions | Focus (B)          | F137                  |  | F137       |  | F137          |  | F137 |  |
|                              | Focus (B)          | F138                  |  | F138       |  | F138          |  | F138 |  |
|                              | Focus (B)          | F139                  |  | F139       |  | F139          |  | F139 |  |
|                              | Focus (B)          | F140                  |  | F140       |  | F140          |  | F140 |  |
|                              | Focus (B)          | F141                  |  | F141       |  | F141          |  | F141 |  |
| Operating Control Conditions | Focus (B)          | F142                  |  | F142       |  | F142          |  | F142 |  |
|                              | Focus (B)          | F143                  |  | F143       |  | F143          |  | F143 |  |
|                              | Focus (B)          | F144                  |  | F144       |  | F144          |  | F144 |  |
|                              | Focus (B)          | F145                  |  | F145       |  | F145          |  | F145 |  |
|                              | Focus (B)          | F146                  |  | F146       |  | F146          |  | F146 |  |
| Operating Control Conditions | Focus (B)          | F147                  |  | F147       |  | F147          |  | F147 |  |
|                              | Focus (B)          | F148                  |  | F148       |  | F148          |  | F148 |  |
|                              | Focus (B)          | F149                  |  | F149       |  | F149          |  | F149 |  |
|                              | Focus (B)          | F150                  |  | F150       |  | F150          |  | F150 |  |
|                              | Focus (B)          | F151                  |  | F151       |  | F151          |  | F151 |  |
| Operating Control Conditions | Focus (B)          | F152                  |  | F152       |  | F152          |  | F152 |  |
|                              | Focus (B)          | F153                  |  | F153       |  | F153          |  | F153 |  |
|                              | Focus (B)          | F154                  |  | F154       |  | F154          |  | F154 |  |
|                              | Focus (B)          | F155                  |  | F155       |  | F155          |  | F155 |  |
|                              | Focus (B)          | F156                  |  | F156       |  | F156          |  | F156 |  |
| Operating Control Conditions | Focus (B)          | F157                  |  | F157       |  | F157          |  | F157 |  |
|                              | Focus (B)          | F158                  |  | F158       |  | F158          |  | F158 |  |
|                              | Focus (B)          | F159                  |  | F159       |  | F159          |  | F159 |  |
|                              | Focus (B)          | F160                  |  | F160       |  | F160          |  | F160 |  |
|                              | Focus (B)          | F161                  |  | F161       |  | F161          |  | F161 |  |
| Operating Control Conditions | Focus (B)          | F162                  |  | F162       |  | F162          |  | F162 |  |
|                              | Focus (B)          | F163                  |  | F163       |  | F163          |  | F163 |  |
|                              | Focus (B)          | F164                  |  | F164       |  | F164          |  | F164 |  |
|                              | Focus (B)          | F165                  |  | F165       |  | F165          |  | F165 |  |
|                              | Focus (B)          | F166                  |  | F166       |  | F166          |  | F166 |  |
| Operating Control Conditions | Focus (B)          | F167                  |  | F167       |  | F167          |  | F167 |  |
|                              | Focus (B)          | F168                  |  | F168       |  | F168          |  | F168 |  |
|                              | Focus (B)          | F169                  |  | F169       |  | F169          |  | F169 |  |
|                              | Focus (B)          | F170                  |  | F170       |  | F170          |  | F170 |  |
|                              | Focus (B)          | F171                  |  | F171       |  | F171          |  | F171 |  |
| Operating Control Conditions | Focus (B)          | F172                  |  | F172       |  | F172          |  | F172 |  |
|                              | Focus (B)          | F173                  |  | F173       |  | F173          |  | F173 |  |
|                              | Focus (B)          | F174                  |  | F174       |  | F174          |  | F174 |  |
|                              | Focus (B)          | F175                  |  | F175       |  | F175          |  | F175 |  |
|                              | Focus (B)          | F176                  |  | F176       |  | F176          |  | F176 |  |
| Operating Control Conditions | Focus (B)          | F177                  |  | F177       |  | F177          |  | F177 |  |
|                              | Focus (B)          | F178                  |  | F178       |  | F178          |  | F178 |  |
|                              | Focus (B)          | F179                  |  | F179       |  | F179          |  | F179 |  |
|                              | Focus (B)          | F180                  |  | F180       |  | F180          |  | F180 |  |
|                              | Focus (B)          | F181                  |  | F181       |  | F181          |  | F181 |  |
| Operating Control Conditions | Focus (B)          | F182                  |  | F182       |  | F182          |  | F182 |  |
|                              | Focus (B)          | F183                  |  | F183       |  | F183          |  | F183 |  |
|                              | Focus (B)          | F184                  |  | F184       |  | F184          |  | F184 |  |
|                              | Focus (B)          | F185                  |  | F185       |  | F185          |  | F185 |  |
|                              | Focus (B)          | F186                  |  | F186       |  |               |  |      |  |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model       | MODE                  |       |        |       | PWD-Mode              |       |        |       |
|------------------------|-----------------------|-------|--------|-------|-----------------------|-------|--------|-------|
|                        | S31                   |       |        |       | TTC                   |       |        |       |
| Index Label            | MT                    | TTS   | TTB    | TTC   | MT                    | TTS   | TTB    | TTC   |
| Maximum Index Value    | 1.6                   | 0.92  | 2.7    | 2.6   | 1.6                   | 0.92  | 2.7    | 2.6   |
| Index Component Value  |                       |       |        |       |                       |       |        |       |
| $P_{ref}$              | 2.6                   | 0.92  | 0.59   | 2.7   | 2.6                   | 0.92  | 0.59   | 2.7   |
| $P_{10}$               | (mW)                  | 39    |        | 44    | (mW)                  | 39    |        | 44    |
| $P_{100}$              | (mW)                  | 39    |        | 44    | (mW)                  | 39    |        | 44    |
| $S_{10}$               | (cm)                  |       | 1.3    |       | (cm)                  |       | 1.3    |       |
| $S_{100}$              | (cm)                  |       |        | 0.64  | (cm)                  |       |        | 0.64  |
| $S_{1000}$             | (cm)                  |       |        |       | (cm)                  |       |        |       |
| $f_{ref}$              | 2.1                   |       |        |       | 2.1                   |       |        |       |
| $f_{10}$               | (MHz)                 | 5.0   |        | 3.3   | (MHz)                 | 5.0   |        | 3.3   |
| $f_{100}$              | (Hz)                  | 407   |        |       | (Hz)                  | 407   |        |       |
| $f_{1000}$             | (Hz)                  | -     |        |       | (Hz)                  | -     |        |       |
| $\eta_{ref}$           | -                     |       |        |       | -                     |       |        |       |
| $\eta_{10}$            | (W/cm <sup>2</sup> )  | 373   |        |       | (W/cm <sup>2</sup> )  | 373   |        |       |
| $\eta_{100}$           | (mW/cm <sup>2</sup> ) | 224   |        |       | (mW/cm <sup>2</sup> ) | 224   |        |       |
| $\eta_{1000}$          | (mW/cm <sup>2</sup> ) | 325   |        |       | (mW/cm <sup>2</sup> ) | 325   |        |       |
| $P_1$ at $f_{ref}$     | (MPa)                 | 3.0   |        |       | (MPa)                 | 3.0   |        |       |
| PWR/N                  | (%)                   | 100   | 100    | 100   | (%)                   | 100   | 100    | 100   |
| Wave Mode              | Pw                    | Pw    | Pw     | Pw    | Pw                    | Pw    | Pw     | Pw    |
| Frequency (B)          | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Focus (B)              | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Scan/B (B)             | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Range                  | (cm)                  | n/a   | n/a    | n/a   | (cm)                  | n/a   | n/a    | n/a   |
| PRF Limit              | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Line Density           | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Flow Mode              | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Ref. Frequency (Color) | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Focus (Color)          | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Flow/N (Color)         | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Color Velocity Range   | (cm/s)                | n/a   | n/a    | n/a   | (cm/s)                | n/a   | n/a    | n/a   |
| Picket Size            | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Flow Area Depth        | (cm)                  | n/a   | n/a    | n/a   | (cm)                  | n/a   | n/a    | n/a   |
| Color Line Density     | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Pw Mode                | PW                    | PW    | PW     | PW    | PW                    | PW    | PW     | PW    |
| High PRF               | OFF                   | OFF   | OFF    | OFF   | OFF                   | OFF   | OFF    | OFF   |
| Ref. Frequency (D)     | Pres                  | Pres  | Pres   | Pres  | Pres                  | Pres  | Pres   | Pres  |
| Focus (D)              | F5                    | F7    | F1     | F1    | F5                    | F7    | F1     | F1    |
| Display Velocity Range | (cm/s)                | 28.46 | 159.38 | 75.89 | (cm/s)                | 28.46 | 159.38 | 75.89 |
| Sample gate size       | (cm)                  | 0.1   | 0.1    | 0.1   | (cm)                  | 0.1   | 0.1    | 0.1   |
| Sample gate depth      | (cm)                  | 4.0   | 7.0    | 0.0   | (cm)                  | 4.0   | 7.0    | 0.0   |
| Triplex Frame Rate     | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Triplex VEL Range      | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |
| Flow Area Lock         | n/a                   | n/a   | n/a    | n/a   | n/a                   | n/a   | n/a    | n/a   |

NOTE 1 Only one operating condition per mode.

NOTE 2 Data should be entered for at surface and below surface both in the column related to TTS or TTB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TTB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amend.1)

| Transducer Model       | MODE                  |          |          |          | M-Mode                |          |          |          |
|------------------------|-----------------------|----------|----------|----------|-----------------------|----------|----------|----------|
|                        | S31                   |          |          |          | TTC                   |          |          |          |
| Index Label            | MT                    | TTS      | TTB      | TTC      | MT                    | TTS      | TTB      | TTC      |
| Maximum Index Value    | 1.6                   | 0.55     | 1.8      | 1.1      | 1.6                   | 0.55     | 1.8      | 1.1      |
| Index Component Value  |                       |          |          |          |                       |          |          |          |
| $P_{ref}$              | 2.6                   | 0.55     | 0.41     | 1.8      | 2.6                   | 0.55     | 0.41     | 1.8      |
| $P_{10}$               | (mW)                  | 39       |          | 39       | (mW)                  | 39       |          | 39       |
| $P_{100}$              | (mW)                  | 39       |          | 39       | (mW)                  | 39       |          | 39       |
| $S_{10}$               | (cm)                  |          | 1.4      |          | (cm)                  |          | 1.4      |          |
| $S_{100}$              | (cm)                  |          |          | 2.5      | (cm)                  |          |          | 2.5      |
| $S_{1000}$             | (cm)                  |          |          |          | (cm)                  |          |          |          |
| $f_{ref}$              | 2.1                   |          |          |          | 2.1                   |          |          |          |
| $f_{10}$               | (MHz)                 | 2.7      |          | 2.9      | (MHz)                 | 2.7      |          | 2.9      |
| $f_{100}$              | (Hz)                  | 1002     |          |          | (Hz)                  | 1002     |          |          |
| $f_{1000}$             | (Hz)                  | -        |          |          | (Hz)                  | -        |          |          |
| $\eta_{ref}$           | -                     |          |          |          | -                     |          |          |          |
| $\eta_{10}$            | (W/cm <sup>2</sup> )  | 305      |          |          | (W/cm <sup>2</sup> )  | 305      |          |          |
| $\eta_{100}$           | (mW/cm <sup>2</sup> ) | 206      |          |          | (mW/cm <sup>2</sup> ) | 206      |          |          |
| $\eta_{1000}$          | (mW/cm <sup>2</sup> ) | 223      |          |          | (mW/cm <sup>2</sup> ) | 223      |          |          |
| $P_1$ at $f_{ref}$     | (MPa)                 | 2.7      |          |          | (MPa)                 | 2.7      |          |          |
| PWR/N                  | (%)                   | 100      | 100      | 100      | (%)                   | 100      | 100      | 100      |
| Wave Mode              | M                     | M        | M        | M        | M                     | M        | M        | M        |
| Frequency (B)          | THI(PwT)              | THI(PwT) | THI(PwT) | THI(PwT) | THI(PwT)              | THI(PwT) | THI(PwT) | THI(PwT) |
| Focus (B)              | Pres                  | Pres     | Pres     | Pres     | Pres                  | Pres     | Pres     | Pres     |
| Scan/B (B)             | F1                    | F1       | F1       | F1       | F1                    | F1       | F1       | F1       |
| Range                  | (cm)                  | n/a      | n/a      | n/a      | (cm)                  | n/a      | n/a      | n/a      |
| PRF Limit              | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Line Density           | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Flow Mode              | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Ref. Frequency (Color) | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Focus (Color)          | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Flow/N (Color)         | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Color Velocity Range   | (cm/s)                | n/a      | n/a      | n/a      | (cm/s)                | n/a      | n/a      | n/a      |
| Picket Size            | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Flow Area Depth        | (cm)                  | n/a      | n/a      | n/a      | (cm)                  | n/a      | n/a      | n/a      |
| Color Line Density     | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Pw Mode                | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| High PRF               | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Ref. Frequency (D)     | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Focus (D)              | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Display Velocity Range | (cm/s)                | n/a      | n/a      | n/a      | (cm/s)                | n/a      | n/a      | n/a      |
| Sample gate size       | (cm)                  | n/a      | n/a      | n/a      | (cm)                  | n/a      | n/a      | n/a      |
| Sample gate depth      | (cm)                  | n/a      | n/a      | n/a      | (cm)                  | n/a      | n/a      | n/a      |
| Triplex Frame Rate     | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Triplex VEL Range      | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |
| Flow Area Lock         | n/a                   | n/a      | n/a      | n/a      | n/a                   | n/a      | n/a      | n/a      |

NOTE 1 Only one operating condition per mode.

NOTE 2 Data should be entered for at surface and below surface both in the column related to TTS or TTB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TTB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MT.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_p$                       | 37.14% |
| $P_1$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |



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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                          | S31    | MODE       |              |              |    |
|-----------------------------------------------------------|--------|------------|--------------|--------------|----|
|                                                           |        | B/PWD-mode |              | M+Color-mode |    |
| Index Label                                               | MI     | TIS        | TIB          | TIC          |    |
| Maximum Index Value                                       | 1.6    | 0.92       | 2.5          | 2.5          |    |
| Index Component Value                                     |        | 0.92       | 0.54         | 2.5          |    |
| $P_{ref}$ (MPa)                                           | 2.6    |            |              |              |    |
| $P_{ref}$ (mW)                                            |        | 39         | 45           |              |    |
| $P_{ref}$ (mW)                                            |        | 39         | 45           |              | 44 |
| Acoustic Parameters                                       |        |            | 1.3          |              |    |
| $z_{ref}$ (cm)                                            |        |            |              | 2.0          |    |
| $z_{ref}$ (cm)                                            | 2.1    |            |              |              |    |
| $z_{ref}$ (cm)                                            | 2.1    |            |              |              |    |
| $f_{ref}$ (MHz)                                           | D-2.55 | B-4.7, D-5 | B-2.9, D-2.5 | B-2.9, D-2.6 |    |
| $f_{ref}$ (Hz)                                            | 980    |            |              |              |    |
| $f_{ref}$ (Hz)                                            | 6.2    |            |              |              |    |
| Other Information                                         |        |            |              |              |    |
| $f_{max}$ all $z_{ref}$ (W/cm <sup>2</sup> )              | 373    |            |              |              |    |
| $f_{max}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 461    |            |              |              |    |
| $f_{max}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 660    |            |              |              |    |
| $P_{ref}$ at $z_{ref}$ (MPa)                              | 3.0    |            |              |              |    |
| PWR%                                                      | 100    | 100        | 100          | 100          |    |
| Wave Mode                                                 | B/PW   | B/PW       | B/PW         | B/PW         |    |
| Frequency (B)                                             | PND    | PND        | TH(Pnd)      | TH(Pnd)      |    |
| Focus (B)                                                 | Sid    | Sid        | Sid          | Sid          |    |
| Focus (B)                                                 | F1     | F3         | F2           | F1           |    |
| Scan/θ (B)                                                | 25     | 25         | 25           | 25           |    |
| Range (cm)                                                | 13.0   | 13.0       | 13.0         | 13.0         |    |
| PRF Limit                                                 | OFF    | OFF        | OFF          | OFF          |    |
| Line Density                                              | High   | Low        | Medium       | Medium       |    |
| Flow Mode                                                 | n/a    | n/a        | n/a          | n/a          |    |
| Ref. Frequency (Color)                                    | n/a    | n/a        | n/a          | n/a          |    |
| Focus (Color)                                             | n/a    | n/a        | n/a          | n/a          |    |
| Flow/Color                                                | n/a    | n/a        | n/a          | n/a          |    |
| Color Velocity Range                                      | n/a    | n/a        | n/a          | n/a          |    |
| Pocket Size                                               | n/a    | n/a        | n/a          | n/a          |    |
| Flow Area Depth                                           | n/a    | n/a        | n/a          | n/a          |    |
| Color Line Density                                        | n/a    | n/a        | n/a          | n/a          |    |
| Flow Mode                                                 | n/a    | n/a        | n/a          | n/a          |    |
| High PRF                                                  | OFF    | OFF        | OFF          | OFF          |    |
| Ref. Frequency (D)                                        | Preset | Ratio      | Preset       | Preset       |    |
| Focus (D)                                                 | F5     | F7         | F1           | F1           |    |
| Doppler Velocity Range                                    | 16.60  | 28.46      | 24.90        | 75.89        |    |
| Sample gate size                                          | 0.1    | 0.1        | 0.1          | 0.1          |    |
| Sample gate depth                                         | 7.0    | 7.0        | 7.0          | 7.0          |    |
| Triplex Frame Rate                                        | n/a    | n/a        | n/a          | n/a          |    |
| Triplex VIL Range                                         | n/a    | n/a        | n/a          | n/a          |    |
| Flow Area Lock                                            | n/a    | n/a        | n/a          | n/a          |    |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                          | S31    | MODE         |       |              |    |
|-----------------------------------------------------------|--------|--------------|-------|--------------|----|
|                                                           |        | M+Color-mode |       | M+Color-mode |    |
| Index Label                                               | MI     | TIS          | TIB   | TIC          |    |
| Maximum Index Value                                       | 1.6    | 0.88         | 2.9   | 2.9          |    |
| Index Component Value                                     |        | 0.88         | 0.64  | 2.9          |    |
| $P_{ref}$ (MPa)                                           | 2.6    |              |       |              |    |
| $P_{ref}$ (mW)                                            |        | 39           | 49    |              |    |
| $P_{ref}$ (mW)                                            |        | 39           | 49    |              | 49 |
| Acoustic Parameters                                       |        |              | 0.98  |              |    |
| $z_{ref}$ (cm)                                            |        |              |       | 0.64         |    |
| $z_{ref}$ (cm)                                            | 1.9    |              |       |              |    |
| $z_{ref}$ (cm)                                            | 1.9    |              |       |              |    |
| $f_{ref}$ (MHz)                                           | 2.6    | 4.7          | 3.3   | 3.3          |    |
| $f_{ref}$ (Hz)                                            | 1085   |              |       |              |    |
| $f_{ref}$ (Hz)                                            | -      |              |       |              |    |
| Other Information                                         |        |              |       |              |    |
| $f_{max}$ all $z_{ref}$ (W/cm <sup>2</sup> )              | 352    |              |       |              |    |
| $f_{max}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 394    |              |       |              |    |
| $f_{max}$ at $z_{ref}$ or $z_{ref}$ (mW/cm <sup>2</sup> ) | 553    |              |       |              |    |
| $P_{ref}$ at $z_{ref}$ (MPa)                              | 3.0    |              |       |              |    |
| PWR%                                                      | 100    | 100          | 100   | 100          |    |
| Wave Mode                                                 | M/PW   | M/PW         | M/PW  | M/PW         |    |
| Frequency (B)                                             | n/a    | n/a          | n/a   | n/a          |    |
| Focus (B)                                                 | n/a    | n/a          | n/a   | n/a          |    |
| Focus (B)                                                 | n/a    | n/a          | n/a   | n/a          |    |
| Scan/θ (B)                                                | n/a    | n/a          | n/a   | n/a          |    |
| Range (cm)                                                | 24.0   | 10.0         | 9.0   | 9.0          |    |
| PRF Limit                                                 | n/a    | n/a          | n/a   | n/a          |    |
| Line Density                                              | n/a    | n/a          | n/a   | n/a          |    |
| Flow Mode                                                 | n/a    | n/a          | n/a   | n/a          |    |
| Ref. Frequency (Color)                                    | Preset | Ratio        | Std   | Std          |    |
| Focus (Color)                                             | F5     | F2           | F1    | F1           |    |
| Flow/Color                                                | n/a    | n/a          | n/a   | n/a          |    |
| Color Velocity Range                                      | 16.60  | 56.92        | 83.88 | 61.50        |    |
| Pocket Size                                               | n/a    | n/a          | n/a   | n/a          |    |
| Flow Area Depth                                           | 24.0   | 24.0         | 24.0  | 24.0         |    |
| Color Line Density                                        | n/a    | n/a          | n/a   | n/a          |    |
| Flow Mode                                                 | n/a    | n/a          | n/a   | n/a          |    |
| High PRF                                                  | n/a    | n/a          | n/a   | n/a          |    |
| Ref. Frequency (D)                                        | n/a    | n/a          | n/a   | n/a          |    |
| Focus (D)                                                 | n/a    | n/a          | n/a   | n/a          |    |
| Doppler Velocity Range                                    | (cm/s) | n/a          | n/a   | n/a          |    |
| Sample gate size                                          | (cm)   | n/a          | n/a   | n/a          |    |
| Sample gate depth                                         | (cm)   | n/a          | n/a   | n/a          |    |
| Triplex Frame Rate                                        | (cm)   | n/a          | n/a   | n/a          |    |
| Triplex VIL Range                                         | n/a    | n/a          | n/a   | n/a          |    |
| Flow Area Lock                                            | n/a    | n/a          | n/a   | n/a          |    |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "+" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60661-2:37 Ed.2 Amd.1)

| Transducer Model             | Index Label                                                                   | MODE      |                 |                   | TIC               |
|------------------------------|-------------------------------------------------------------------------------|-----------|-----------------|-------------------|-------------------|
|                              |                                                                               | MT        | TTS             | TTB               |                   |
|                              | Maximum Index Value                                                           | 1.6       | 0.92            | 2.5               | 2.6               |
|                              | Index Component Value                                                         |           | 0.92            | 0.62              | 2.5               |
| Acoustic Parameters          | $P_{\text{avg}}$ (MPa)                                                        | 2.6       |                 |                   |                   |
|                              | $P_{\text{pk}}$ (mW)                                                          |           | 39              | 43                | 45                |
|                              | $P_{\text{rms}}$ (mW)                                                         |           | 39              | 43                |                   |
|                              | $z_{\text{a}}$ (cm)                                                           |           |                 | 1.3               |                   |
|                              | $z_{\text{at}}$ (cm)                                                          | 2.1       |                 |                   | 0.64              |
| Other Information            | $f_{\text{ref}}$ (MHz)                                                        | D:2.55    | B:4.8,C:4.8,D:5 | B:4.7,C:4.7,D:3.3 | B:2.6,C:3.3,D:2.6 |
|                              | $f_{\text{prf}}$ (Hz)                                                         | 666       |                 |                   |                   |
|                              | $f_{\text{prf}}$ (Hz)                                                         | 1.7       |                 |                   |                   |
|                              | $f_{\text{prf}}$ (Hz)                                                         | B:1, C:7  |                 |                   |                   |
|                              | $f_{\text{prf}}$ (Hz)                                                         | 373       |                 |                   |                   |
| Operating Control Conditions | $I_{\text{prf}}$ at $f_{\text{prf}}$ (W/cm <sup>2</sup> )                     | 243       |                 |                   |                   |
|                              | $I_{\text{prf}}$ at $f_{\text{prf}}$ or $z_{\text{a}}$ (mW/cm <sup>2</sup> )  | 351       |                 |                   |                   |
|                              | $I_{\text{prf}}$ at $f_{\text{prf}}$ or $z_{\text{at}}$ (mW/cm <sup>2</sup> ) | 3.0       |                 |                   |                   |
|                              | $P_{\text{avg}}$ (MPa)                                                        | 100       |                 |                   |                   |
|                              | $P_{\text{pk}}$ (MPa)                                                         | 100       |                 |                   |                   |
| Wave Mode                    | Wave Mode                                                                     | B:Flow/Pw | B:Flow/Pw       | B:Flow/Pw         | B:Flow/Pw         |
|                              | Frequency (B)                                                                 | FND       | FND             | FND               | FND               |
|                              | Focus (B)                                                                     | F1        | F1              | F1                | F1                |
|                              | Scan (B)                                                                      | 26        | 26              | 26                | 26                |
|                              | Range                                                                         | 24.0      | 12.0            | 9.0               | 3.0               |
| PRF Limit                    | PRF Limit                                                                     | ON        | OFF             | OFF               | OFF               |
|                              | Line Density                                                                  | Low       | Low             | Medium            | Low               |
|                              | Flow Mode                                                                     | eFlow     | eFlow           | eFlow             | Flow              |
|                              | Ref. Frequency (Color)                                                        | F1        | F3              | F2                | F1                |
|                              | Flow% (Color)                                                                 | 15        | 15              | 15                | 15                |
| Color Velocity Range         | Color Velocity Range                                                          | 6.21      | 19.92           | 35.42             | 45.97             |
|                              | Pocket Size                                                                   | Low       | Low             | High              | Low               |
|                              | Flow Area Depth                                                               | 24.0      | 12.0            | 9.0               | 3.0               |
|                              | Flow Mode                                                                     | PW        | PW              | PW                | PW                |
|                              | High PRF                                                                      | OFF       | OFF             | OFF               | OFF               |
| Ref. Frequency (D)           | Ref. Frequency (D)                                                            | Penet     | Penet           | Penet             | Penet             |
|                              | Focus (D)                                                                     | F5        | F7              | F1                | F1                |
|                              | Doppler Velocity Range                                                        | 8.30      | 28.46           | 159.38            | 75.89             |
|                              | Sample gate size                                                              | 0.1       | 0.1             | 0.1               | 0.1               |
|                              | Sample gate depth                                                             | 5.4       | 7.0             | 0.0               | 0.0               |
| Triplex Frame Rate           | Triplex Frame Rate                                                            | Medium    | Medium          | Medium            | Medium            |
|                              | Triplex VBL Range                                                             | BPix      | BPix            | BPix              | BPix              |
|                              | Flow Area Lock                                                                | OFF       | OFF             | OFF               | OFF               |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TTB or TIC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIC.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{prf}}$            | 37.14% |
| $P_{\text{a}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60661-2:37 Ed.2 Amd.1)

| Transducer Model             | Index Label                                                                   | MODE     |             |             | TIC         |
|------------------------------|-------------------------------------------------------------------------------|----------|-------------|-------------|-------------|
|                              |                                                                               | MT       | TTS         | TTB         |             |
|                              | Maximum Index Value                                                           | 1.6      | 0.88        | 0.88        | 2.8         |
|                              | Index Component Value                                                         |          | 0.88        | 0.88        | 0.88        |
| Acoustic Parameters          | $P_{\text{avg}}$ (MPa)                                                        | 2.6      |             |             |             |
|                              | $P_{\text{pk}}$ (mW)                                                          |          | 39          | 39          | 48          |
|                              | $P_{\text{rms}}$ (mW)                                                         |          | 39          | 39          |             |
|                              | $z_{\text{a}}$ (cm)                                                           |          |             |             |             |
|                              | $z_{\text{at}}$ (cm)                                                          | 1.9      |             |             |             |
| Other Information            | $f_{\text{ref}}$ (MHz)                                                        | C:2.58   | B:4.7,C:4.8 | B:4.7,C:4.8 | B:2.6,C:3.3 |
|                              | $f_{\text{prf}}$ (Hz)                                                         | 725      |             |             |             |
|                              | $f_{\text{prf}}$ (Hz)                                                         | 5.6      |             |             |             |
|                              | $f_{\text{prf}}$ (Hz)                                                         | B:1, C:7 |             |             |             |
|                              | $f_{\text{prf}}$ (Hz)                                                         | 352      |             |             |             |
| Operating Control Conditions | $I_{\text{prf}}$ at $f_{\text{prf}}$ (W/cm <sup>2</sup> )                     | 17       |             |             |             |
|                              | $I_{\text{prf}}$ at $f_{\text{prf}}$ or $z_{\text{a}}$ (mW/cm <sup>2</sup> )  | 22       |             |             |             |
|                              | $I_{\text{prf}}$ at $f_{\text{prf}}$ or $z_{\text{at}}$ (mW/cm <sup>2</sup> ) | 3.0      |             |             |             |
|                              | $P_{\text{avg}}$ (MPa)                                                        | 100      |             |             |             |
|                              | $P_{\text{pk}}$ (MPa)                                                         | 100      |             |             |             |
| Wave Mode                    | Wave Mode                                                                     | B:Flow   | B:Flow      | B:Flow      | B:Flow      |
|                              | Frequency (B)                                                                 | FND      | FND         | FND         | FND         |
|                              | Focus (B)                                                                     | F1       | F3          | F5          | F1          |
|                              | Scan (B)                                                                      | 100      | 26          | 26          | 26          |
|                              | Range                                                                         | 24.0     | 9.0         | 9.0         | 3.0         |
| PRF Limit                    | PRF Limit                                                                     | ON       | OFF         | OFF         | OFF         |
|                              | Line Density                                                                  | Low      | Medium      | Medium      | Medium      |
|                              | Flow Mode                                                                     | eFlow    | eFlow       | eFlow       | Flow        |
|                              | Ref. Frequency (Color)                                                        | Penet    | Penet       | Penet       | Penet       |
|                              | Flow% (Color)                                                                 | F3       | F4          | F4          | F1          |
| Color Velocity Range         | Color Velocity Range                                                          | 100      | 15          | 15          | 15          |
|                              | Pocket Size                                                                   | 0.63     | 19.92       | 19.92       | 99.61       |
|                              | Flow Area Depth                                                               | Low      | Medium      | Medium      | Medium      |
|                              | Flow Mode                                                                     | 1        | 2           | 2           | 2           |
|                              | High PRF                                                                      | n/a      | n/a         | n/a         | n/a         |
| Ref. Frequency (D)           | Ref. Frequency (D)                                                            | n/a      | n/a         | n/a         | n/a         |
|                              | Focus (D)                                                                     | n/a      | n/a         | n/a         | n/a         |
|                              | Doppler Velocity Range                                                        | n/a      | n/a         | n/a         | n/a         |
|                              | Sample gate size                                                              | n/a      | n/a         | n/a         | n/a         |
|                              | Sample gate depth                                                             | n/a      | n/a         | n/a         | n/a         |
| Triplex Frame Rate           | Triplex Frame Rate                                                            | n/a      | n/a         | n/a         | n/a         |
|                              | Triplex VBL Range                                                             | n/a      | n/a         | n/a         | n/a         |
|                              | Flow Area Lock                                                                | n/a      | n/a         | n/a         | n/a         |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TTS or TTB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TTB or TIC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIC.

NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{prf}}$            | 37.14% |
| $P_{\text{a}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

| Index Label                         |                       | MI    | TIS        |               | TIB        |               | TIC |
|-------------------------------------|-----------------------|-------|------------|---------------|------------|---------------|-----|
| Maximum Index Value                 |                       |       | at surface | below surface | at surface | below surface |     |
| Index Component Value               |                       | 0.058 | 1.5        | 0.58          | 1.5        | 2.6           | 1.7 |
| Acoustic Parameters                 |                       |       |            |               |            |               |     |
| $P_{ref}$                           | (MPa)                 | 0.11  |            |               |            | 2.6           |     |
| $P$                                 | (mW)                  |       | 46         |               |            |               |     |
| $P_{101}$                           | (mW)                  |       | 96         |               |            | 46            | 46  |
| $z_s$                               | (cm)                  |       |            |               |            |               |     |
| $z_b$                               | (cm)                  |       |            | 1.0           |            |               | 1.2 |
| $z_{101}$                           | (cm)                  | 0.59  |            |               |            |               |     |
| $z_{102}$                           | (cm)                  | 0.59  |            |               |            |               |     |
| $f_{ref}$                           | (MHz)                 | 3.4   | 3.4        |               |            | 3.4           | 3.4 |
| Other Information                   |                       |       |            |               |            |               |     |
| $f_{PRF}$                           | (Hz)                  | -     |            |               |            |               |     |
| $n_{ref}$                           | (Hz)                  | -     |            |               |            |               |     |
| Operating Control Conditions        |                       |       |            |               |            |               |     |
| $f_{max}$ at $z_{max}$              | (W/cm <sup>2</sup> )  | -     |            |               |            |               |     |
| $f_{max}$ at $z_{101}$ or $z_{102}$ | (mW/cm <sup>2</sup> ) | 367   |            |               |            |               |     |
| $f_{max}$ at $z_{ref}$ or $z_m$     | (mW/cm <sup>2</sup> ) | 423   |            |               |            |               |     |
| $P_r$ at $z_{ref}$                  | (MPa)                 | 0.11  |            |               |            |               |     |
| Operating Control Conditions        |                       |       |            |               |            |               |     |
| $P_{WPM}$                           | (%)                   | 100   | 100        |               | 100        |               | 100 |
| TX Mode                             | Cw                    |       |            |               | Cw         |               | Cw  |
| Wave Mode                           | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Frequency (B)                       | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Focus (D)                           | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Scans (D)                           | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Range                               | (cm)                  | n/a   | n/a        |               | n/a        |               | n/a |
| PRF Limit                           | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Line Density                        | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Flow Mode                           | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Ref. Frequency (Color)              | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Flow (Color)                        | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Color Velocity Range                | (mm)                  | n/a   | n/a        |               | n/a        |               | n/a |
| Packet Size                         | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Flow Area Depth                     | (cm)                  | n/a   | n/a        |               | n/a        |               | n/a |
| Color Line Density                  | n/a                   |       | n/a        |               | n/a        |               | n/a |
| PRF Mode                            | n/a                   |       | n/a        |               | n/a        |               | n/a |
| High PRF                            | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Ref. Frequency (D)                  | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Focus (D)                           | F1                    |       | F2         |               | F7         |               | F1  |
| Display Velocity Range              | (cm/s)                | n/a   | n/a        |               | n/a        |               | n/a |
| Sample gate size                    | (cm)                  | n/a   | n/a        |               | n/a        |               | n/a |
| Sample gate size                    | (cm)                  | n/a   | n/a        |               | n/a        |               | n/a |
| Triplex Frame Rate                  | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Triplex VIL Range                   | n/a                   |       | n/a        |               | n/a        |               | n/a |
| Flow Area Lock                      | n/a                   |       | n/a        |               | n/a        |               | n/a |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial supple use.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TIS, TIB, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the rating control section.

NOTE 7 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the rating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| W                | 40% or 0.4, whichever larger |

# (4) Датчики 4D

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50

Convex

VC335  
Acoustic power is controllable by the user.

| parameter                        | Mode     | $f_0$    | $B_{500}$ | $(B+10M)$ | $M_0$   | $M_{500}$ | $D_0$   | $(M+Color)P$ | $(M+Color)S_{avg}$ | $(B+10)_{avg}$ | $(B+Color)P$ | $(B+Color)S_{avg}$ | $(B+Color)D_{avg}$ | $(B+Color+D)_{avg}$ |
|----------------------------------|----------|----------|-----------|-----------|---------|-----------|---------|--------------|--------------------|----------------|--------------|--------------------|--------------------|---------------------|
| transmitter                      |          |          |           |           |         |           |         |              |                    |                |              |                    |                    |                     |
| Maximum power                    | (mW)     | 158      | 69        | 55        | 21      | 38        | 39      | 22           | 44                 | 24             | 42           | 31                 | 63                 | 23                  |
| $p_r$                            | (MPa)    | 3.6      | 2.0       | 3.5       | 3.5     | 3.2       | 0.90    | 3.2          | 1.8                | 3.6            | 2.8          | 3.6                | 2.2                | 3.6                 |
| $I_{0a}$                         | (mW/cm²) | 129      | 102       | 53        | 20      | 45        | 49      | 28           | 55                 | 54             | 58           | 51                 | 101                | 46                  |
| $I_{0a}$                         | (mW/cm²) | 41       | 94        | 377       | 307     | 603       | 903     | 439          | 883                | 111            | 793          | 7.0                | 134                | 159                 |
| PRF/PRF <sub>0</sub>             | (%)      | 100      | 100       | 100       | 100     | 100       | 100     | 100          | 100                | 100            | 100          | 100                | 100                | 100                 |
| Tx Mode                          |          | B        | B         | B+M       | M       | M         | Pw      | MFlow        | MFlow              | BFlow          | BFlow        | BFlow              | BFlow              | BFlow               |
| Wave Mode                        |          | THU(Pwr) | THU(Pwr)  | THU(Pwr)  | FND     | THU(Pwr)  | Pwr     | -            | -                  | THU(Pwr)       | THU(Pwr)     | THU(Pwr)           | THU(Pwr)           | THU(Pwr)            |
| Frequency (B)                    |          | Reso     | Reso      | Reso      | Std     | Std       | n/a     | n/a          | n/a                | Reso           | Reso         | Reso               | Reso               | Reso                |
| Focus (B)                        |          | F5       | F2        | F4        | F4      | F4        | n/a     | n/a          | n/a                | F5             | F5           | F5                 | F5                 | F5                  |
| Scan/θ (B)                       | (°)      | 100      | 25        | 100       | n/a     | n/a       | n/a     | n/a          | n/a                | 100            | 25           | 100                | 25                 | 100                 |
| Range                            | (cm)     | 24.0     | 7.0       | 24.0      | 24.0    | 24.0      | n/a     | 24.0         | 24.0               | 24.0           | 12.0         | 24.0               | 24.0               | 12.0                |
| PRF Limit                        |          | ON       | OFF       | ON        | ON      | ON        | n/a     | n/a          | n/a                | ON             | OFF          | ON                 | ON                 | OFF                 |
| Line Density                     |          | Low      | High      | Low       | n/a     | n/a       | n/a     | Flow         | Flow               | Low            | Low          | Low                | Low                | Low                 |
| Flow Mode                        |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | Flow         | Flow               | n/a            | High         | High               | High               | High                |
| Ref. Frequency (Color)           |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | Reso         | Reso               | n/a            | Std          | Std                | Std                | Std                 |
| Focus (Color)                    |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | F3           | F3                 | n/a            | F1           | F2                 | F1                 | F1                  |
| Flow% (Color)                    | (%)      | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | 100          | 15                 | 100                | 15                  |
| Color Velocity Range             | (cm/s)   | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | 12.45        | 88.54              | n/a            | 0.63         | 53.13              | 8.30               | 49.80               |
| Patient Size                     |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | Low          | Low                | Low                | Low                 |
| Flow Area Depth                  | (cm)     | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | 24.0         | 24.0               | n/a            | 7.0          | 24.0               | 24.0               | 12.0                |
| Color Line Density               |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | 1            | 3                  | 1                  | 1                   |
| Pw Mode                          |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | PW           | n/a                | PW                 | PW                  |
| High PRF                         |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | OFF          | n/a                | OFF            | n/a          | n/a                | OFF                | OFF                 |
| Ref. Frequency (D)               |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | Reso         | n/a                | Std            | Reso         | n/a                | Std                | Reso                |
| Focus (D)                        |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | F5           | n/a                | F1             | F3           | n/a                | F1                 | F3                  |
| Doppler Velocity Range           | (cm/s)   | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | 120.91       | n/a                | 6.23           | 69.29        | n/a                | 8.30               | 69.29               |
| Sample gate size                 | (cm)     | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | 0.1          | n/a                | 0.1            | 0.1          | n/a                | 0.1                | 0.1                 |
| Sample gate depth                | (cm)     | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | 5.4          | n/a                | 1.4            | 3.6          | n/a                | 1.4                | 3.6                 |
| Triplex Frame Rate               | (cm)     | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| Triplex VET Range                |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| Flow Area Lock                   |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| $P_{0a}$                         | (mm)     | 48       | 28        | 42        | 47      | 34        | 42      | 38           | 38                 | 48             | 42           | 48                 | 34                 | 48                  |
| $f_{0a}$                         | (f)      | 4.0      | 3.3       | 3.4       | 2.9     | 3.0       | 3.1     | 2.6          | 2.5                | 4.0            | 2.6          | 4.0                | 3.3                | 4.0                 |
| $I_{0a}$                         | (L)      | 3.9      | 4.3       | 3.3       | 2.7     | 3.3       | 2.5     | 2.3          | 2.7                | 3.9            | 2.3          | 3.9                | 3.1                | 3.9                 |
| $I_{0a}$                         | (Hz)     | n/a      | n/a       | n/a       | 1004    | 2008      | 651     | 19608        | 9259               | n/a            | n/a          | n/a                | n/a                | n/a                 |
| $I_{0a}$                         | (Hz)     | 36       | 111       | 6.5       | n/a     | n/a       | n/a     | n/a          | n/a                | 3.1            | 21           | 5.5                | 18                 | 2.0                 |
| $P_{0a}$                         | (mm)     | 1.0      | 1.0       | 2.0       | n/a     | n/a       | n/a     | n/a          | n/a                | 1.0            | 1.0          | n/a                | n/a                | n/a                 |
| $P_{0a}$                         | (L)      | 13       | 6.9       | 11        | 11      | 8.8       | 11      | 8.1          | 8.1                | 13             | 6.3          | 13                 | 6.3                | 13                  |
| Output beam dimensions           | (f)      | 9.8      | 9.8       | 9.8       | 9.8     | 9.8       | 9.8     | 9.8          | 9.8                | 9.8            | 9.8          | 9.8                | 9.8                | 9.8                 |
| $f_{0a}$                         | (L)      | 2.5      | 2.5       | 2.8       | 3.7     | 2.8       | 3.9     | 3.8          | 3.8                | 2.5            | 3.9          | 2.5                | 3.3                | 2.5                 |
| Acoustic Power-up fraction       | (%)      | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| Power-up mode                    |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| Acoustic Initialization fraction | (%)      | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| Initialization mode              |          | n/a      | n/a       | n/a       | n/a     | n/a       | n/a     | n/a          | n/a                | n/a            | n/a          | n/a                | n/a                | n/a                 |
| Acoustic output frame            | (mm)     | Yes      | Yes       | Yes       | Yes     | Yes       | Yes     | Yes          | Yes                | Yes            | Yes          | Yes                | Yes                | Yes                 |
| $P_{0a}$                         | (mm)     | 3.5      | 3.5       | 3.5       | 3.5     | 3.5       | 3.5     | 3.5          | 3.5                | 3.5            | 3.5          | 3.5                | 3.5                | 3.5                 |
| Inclusive modes                  |          | contact  | contact   | contact   | contact | contact   | contact | contact      | contact            | contact        | contact      | contact            | contact            | contact             |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P_r$                       | 25.00% |
| $I_{0a}$                    | 37.14% |
| $P_{0a}$                    | 18.75% |

Данные по акустической мощности

225 / MN1-6464RU ред. 6



ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model | Index Label            | MT       | TTS        |               | TIB        |               | TTC      |
|------------------|------------------------|----------|------------|---------------|------------|---------------|----------|
|                  |                        |          | at surface | below surface | at surface | below surface |          |
| VC35             | Maximum Index Value    | 1.6      | 0.93       | 0.89          | 0.48       | 1.1           | 1.3      |
|                  | Index Component Value  |          |            |               |            |               |          |
| B/M-Mode         | $P_{\text{ave}}$ (MPa) | 2.6      | 64         |               | 44         |               | 120      |
|                  | $P_{\text{HLL}}$ (mW)  |          | 44         |               | 36         |               |          |
|                  | $z_s$ (cm)             |          |            | 1.4           |            | 2.8           |          |
|                  | $z_{\text{HLL}}$ (cm)  | 0.51     |            |               |            |               |          |
|                  | $z_{\text{HLL}}$ (cm)  | 0.51     |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (MHz) | 2.6      | 4.5        |               | 2.8        |               | 2.5      |
|                  | $f_{\text{HLL}}$ (MHz) | 2.6      |            |               |            |               |          |
| B/M-Mode         | $f_{\text{HLL}}$ (Hz)  | 2426     |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 25       |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 1.0      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 233      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 83       |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 91       |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
| B/M-Mode         | PRF%                   | 100      | 100        |               | 100        |               | 100      |
|                  | Wave Mode              | B/M      | B/M        |               | B/M        |               | B/M      |
|                  | Frequency (B)          | THU(PmT) | PND        |               | THU(PmT)   |               | THU(PmT) |
|                  | Frequency (B)          | Ratio    | Ratio      |               | Ratio      |               | Ratio    |
|                  | Focus (B)              | F1       | F2         |               | F3         |               | F7       |
|                  | Scan/8 (B)             | 100      | 25         |               | 25         |               | 100      |
|                  | Range                  | 24.0     | 4.5        |               | 24.0       |               | 24.0     |
|                  | PRF Limit              | ON       | OFF        |               | OFF        |               | ON       |
|                  | Line Density           | Low      | Low        |               | High       |               | Low      |
|                  | Flow Mode              | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Ref. Frequency (Color) | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Focus (Color)          | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Flow/8 (Color)         | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Color Velocity Range   | (cm/s)   | n/a        |               | n/a        |               | n/a      |
|                  | Pixel Size             | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Flow Area Depth        | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Color Line Density     | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | PR Mode                | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | High PRF               | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Ref. Frequency (D)     | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Focus (D)              | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Display Velocity Range | (cm/s)   | n/a        |               | n/a        |               | n/a      |
|                  | Sample gate size       | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Sample gate depth      | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Triple Pulse Rate      | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Triple VEE Range       | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Flow Area Lock         | n/a      | n/a        |               | n/a        |               | n/a      |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or non-invasive applications.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to TIC.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{\text{HLL}}$            | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model | Index Label            | MT       | TTS        |               | TIB        |               | TTC      |
|------------------|------------------------|----------|------------|---------------|------------|---------------|----------|
|                  |                        |          | at surface | below surface | at surface | below surface |          |
| VC35             | Maximum Index Value    | 1.6      | 0.94       | 0.94          | 0.94       | 0.94          | 1.7      |
|                  | Index Component Value  |          |            |               |            |               |          |
| B-Mode           | $P_{\text{ave}}$ (MPa) | 2.6      | 67         |               | 67         |               | 182      |
|                  | $P_{\text{HLL}}$ (mW)  |          | 44         |               | 44         |               |          |
|                  | $z_s$ (cm)             |          |            |               |            | 1.7           |          |
|                  | $z_{\text{HLL}}$ (cm)  | 0.51     |            |               |            |               |          |
|                  | $z_{\text{HLL}}$ (cm)  | 0.51     |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (MHz) | 2.6      | 4.5        |               | 4.5        |               | 2.5      |
|                  | $f_{\text{HLL}}$ (MHz) | 2.6      |            |               |            |               |          |
| B-Mode           | $f_{\text{HLL}}$ (Hz)  | 2778     |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 36       |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 1.0      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 233      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 9.2      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 9.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
|                  | $f_{\text{HLL}}$ (Hz)  | 2.6      |            |               |            |               |          |
| B-Mode           | PRF%                   | 100      | 100        |               | 100        |               | 100      |
|                  | Wave Mode              | B        | B          |               | B          |               | B        |
|                  | Frequency (B)          | THU(PmT) | PND        |               | PND        |               | THU(PmT) |
|                  | Frequency (B)          | Ratio    | Ratio      |               | Ratio      |               | Ratio    |
|                  | Focus (B)              | F1       | F2         |               | F2         |               | F6       |
|                  | Scan/8 (B)             | 100      | 25         |               | 25         |               | 100      |
|                  | Range                  | 24.0     | 4.5        |               | 4.5        |               | 24.0     |
|                  | PRF Limit              | ON       | OFF        |               | OFF        |               | ON       |
|                  | Line Density           | Low      | High       |               | High       |               | Low      |
|                  | Flow Mode              | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Ref. Frequency (Color) | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Focus (Color)          | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Flow/8 (Color)         | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Color Velocity Range   | (cm/s)   | n/a        |               | n/a        |               | n/a      |
|                  | Pixel Size             | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Flow Area Depth        | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Color Line Density     | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | PR Mode                | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | High PRF               | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Ref. Frequency (D)     | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Focus (D)              | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Display Velocity Range | (cm/s)   | n/a        |               | n/a        |               | n/a      |
|                  | Sample gate size       | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Sample gate depth      | (cm)     | n/a        |               | n/a        |               | n/a      |
|                  | Triple Pulse Rate      | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Triple VEE Range       | n/a      | n/a        |               | n/a        |               | n/a      |
|                  | Flow Area Lock         | n/a      | n/a        |               | n/a        |               | n/a      |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or non-invasive applications.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to TIC.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{\text{HLL}}$            | 37.14% |
| $P_r$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model             |                                    | VC35                  |      | MODE |       | PWB-Mode |       |     |       |  |
|------------------------------|------------------------------------|-----------------------|------|------|-------|----------|-------|-----|-------|--|
| Index Label                  |                                    | MI                    |      | TIS  |       | TIB      |       | TIC |       |  |
| Maximum Index Value          |                                    | 1.4                   |      | 0.81 |       | 2.3      |       | 1.6 |       |  |
| Index Component Value        |                                    | 2.3                   |      | 0.81 |       | 0.53     |       | 2.3 |       |  |
| Acoustic Parameters          | $P_{ref}$                          | (mPa)                 |      |      |       |          |       |     |       |  |
|                              | $P$                                | (mW)                  |      | 45   |       | 47       |       | 49  |       |  |
|                              | $P_{100}$                          | (mW)                  |      | 43   |       | 47       |       |     |       |  |
|                              | $S_1$                              | (cm)                  |      | 1.7  |       |          |       | 1.1 |       |  |
|                              | $S_{10}$                           | (cm)                  |      |      |       |          |       |     |       |  |
|                              | $S_{100}$                          | (cm)                  |      | 0.41 |       |          |       |     |       |  |
| Other Information            | $S_{100}$                          | (cm)                  |      | 0.41 |       |          |       |     |       |  |
|                              | $f_{ref}$                          | (MHz)                 |      | 2.5  |       | 3.3      |       | 2.5 |       |  |
|                              | $f_{ref}$                          | (Hz)                  |      | 407  |       |          |       |     |       |  |
|                              | $n_{ref}$                          | -                     |      |      |       |          |       |     |       |  |
|                              | $n_{ref}$                          | -                     |      |      |       |          |       |     |       |  |
|                              | $I_{ref}$ at $S_{10}$              | (W/cm <sup>2</sup> )  |      | 190  |       |          |       |     |       |  |
|                              | $I_{ref}$ at $S_{10}$ or $S_{100}$ | (mW/cm <sup>2</sup> ) |      | 114  |       |          |       |     |       |  |
|                              | $I_{ref}$ at $S_{10}$ or $S_{100}$ | (mW/cm <sup>2</sup> ) |      | 122  |       |          |       |     |       |  |
|                              | $P_{ref}$ at $S_{10}$              | (mPa)                 |      | 2.3  |       |          |       |     |       |  |
|                              | $P_{ref}$ at $S_{10}$              | (Pa)                  |      | 100  |       | 100      |       | 100 |       |  |
| Operating Control Conditions | Tx Mode                            |                       | Pw   |      | Pw    |          | Pw    |     | Pw    |  |
|                              | Wave Mode                          |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Frequency (B)                      |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Focus (B)                          |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Scan (B)                           |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Range                              |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | PRF Limit                          |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Line Density                       |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Flow Mode                          |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Ref. Frequency (Color)             |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Focus (Color)                      |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Flow% (Color)                      |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Color Velocity Range               |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Packet Size                        |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
| Flow Area Depth              | Flow Area Depth                    |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Color Line Density                 |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Pw Mode                            |                       | PW   |      | PW    |          | PW    |     | PW    |  |
|                              | High PRF                           |                       | OFF  |      | OFF   |          | OFF   |     | OFF   |  |
|                              | Ref. Frequency (D)                 |                       | Pwst |      | Pwst  |          | Pwst  |     | Pwst  |  |
|                              | Focus (D)                          |                       | F1   |      | F1    |          | F1    |     | F1    |  |
|                              | Doppler Velocity Range             |                       | 6.23 |      | 56.92 |          | 75.89 |     | 72.44 |  |
|                              | Sample gate size                   |                       | (cm) |      | 0.1   |          | 0.1   |     | 0.1   |  |
|                              | Sample gate depth                  |                       | (cm) |      | 0.0   |          | 0.0   |     | 0.0   |  |
|                              | Triplets Frame Rate                |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Triplets VBL Range                 |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Flow Area Lock                     |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |
|                              | Flow Area Lock                     |                       | n/a  |      | n/a   |          | n/a   |     | n/a   |  |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all indices and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY and is provided for transducer or nontransducer applications.

NOTE 4: If the requirements of 201.2.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5: If the requirements of 201.2.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the setting control section.

NOTE 1. Only one operating condition per index.

NOTE 2. Data should be entered for at surface and below surface both in the column related to TIS or TIB.

NOTE 3. Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.

NOTE 4. If the requirements of 201.12.4.3a) are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 5. If the requirements of 201.12.4.3b) are met, it is not required to enter any data in the column related to MI.

NOTE 6. "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{ref}$                   | 37.14% |
| $P_{ref}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TIC              | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model             |                                     | VC35      |        | MODE |  | M-Mode |  |      |  |
|------------------------------|-------------------------------------|-----------|--------|------|--|--------|--|------|--|
| Index Label                  |                                     | MI        |        | TIS  |  | TIB    |  | TIC  |  |
| Maximum Index Value          |                                     | 1.6       |        | 0.55 |  | 1.6    |  | 0.96 |  |
| Index Component Value        |                                     | 2.6       |        | 0.55 |  | 0.41   |  | 1.6  |  |
| Acoustic Parameters          | $P_{ref}$                           | (mPa)     | 2.6    |      |  |        |  |      |  |
|                              | $P$                                 | (mW)      |        |      |  |        |  |      |  |
|                              | $P_{10}$                            | (mW)      |        |      |  |        |  |      |  |
|                              | $S_1$                               | (cm)      |        |      |  |        |  |      |  |
|                              | $S_2$                               | (cm)      |        |      |  |        |  |      |  |
| Other Information            | $S_{ref}$                           | (cm)      | 0.51   |      |  |        |  |      |  |
|                              | $f_{ref}$                           | (MHz)     | 2.6    |      |  |        |  |      |  |
|                              | $f_{ref}$                           | (Hz)      | 1002   |      |  |        |  |      |  |
|                              | $n_{ref}$                           | (Hz)      | -      |      |  |        |  |      |  |
|                              | $n_{ref}$                           | (Hz)      | -      |      |  |        |  |      |  |
| Operating Control Conditions | $I_{ref}$ at $S_{ref}$              | (W/cm²)   | 233    |      |  |        |  |      |  |
|                              | $I_{ref}$ at $S_{ref}$ or $S_{ref}$ | (mW/cm²)  | 153    |      |  |        |  |      |  |
|                              | $I_{ref}$ at $S_{ref}$ or $S_{ref}$ | (mW/cm²)  | 169    |      |  |        |  |      |  |
|                              | $P_{ref}$ at $S_{ref}$              | (mPa)     | 2.6    |      |  |        |  |      |  |
|                              | PRF%                                | (%)       | 100    |      |  |        |  |      |  |
|                              | Wave Mode                           | THI(PwT)  | M      |      |  |        |  |      |  |
|                              | Frequency (B)                       | Range     | Preset |      |  |        |  |      |  |
|                              | Focus (B)                           | F1        | F4     |      |  |        |  |      |  |
|                              | Scan% (B)                           | Scan% (B) | n/a    |      |  |        |  |      |  |
|                              | Range                               | (cm)      | 24.0   |      |  |        |  |      |  |
| Flow Mode                    | PRF Limit                           | (cm)      | 24.0   |      |  |        |  |      |  |
|                              | Line Density                        | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Flow Mode                           | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Ref. Frequency (Color)              | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Focus (Color)                       | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Flow% (Color)                       | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Color Velocity Range                | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Packet Size                         | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Flow Area Depth                     | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Color Line Density                  | (cm)      | n/a    |      |  |        |  |      |  |
| Flow Mode                    | PRF Mode                            | (cm)      | n/a    |      |  |        |  |      |  |
|                              | High PRF                            | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Ref. Frequency (D)                  | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Focus (D)                           | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Doppler Velocity Range              | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Sample gate size                    | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Sample gate depth                   | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Triplets Frame Rate                 | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Triplets VELL Range                 | (cm)      | n/a    |      |  |        |  |      |  |
|                              | Flow Area Lock                      | (cm)      | n/a    |      |  |        |  |      |  |

NOTE 1: Only one operating condition per index.

NOTE 2: Index label is used for flow and index values both in the columns related to TH or TB.

NOTE 3: Index label is used for flow and index values both in the columns related to TH or TB.

NOTE 4: If the requirements of 201:12.4.2.20 are used, it is not required to enter any data in the column related to TIS, TH or TIC.

NOTE 5: If the requirements of 201:12.4.2.20 are used, it is not required to enter any data in the column related to MI.



Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amnd.1)

| Transducer Model             | VC35                                | MODE                  |              |               |            |               | BMPWD-mode   |
|------------------------------|-------------------------------------|-----------------------|--------------|---------------|------------|---------------|--------------|
| Index Label                  |                                     | MI                    | TIS          |               | TIB        |               | TIC          |
| Maximum Index Value          |                                     | 1.6                   | at surface   | below surface | at surface | below surface | 1.6          |
| Index Component Value        |                                     |                       | 0.82         | 0.56          | 0.75       | 2.1           |              |
| Acoustic Parameters          | $P_{ref}$                           | (MPa)                 |              |               |            |               |              |
|                              | $P$                                 | (mW)                  |              |               |            |               |              |
|                              | $P_{iso}$                           | (mW)                  |              | 47            |            | 49            | 53           |
|                              | $z_s$                               | (cm)                  |              | 44            |            | 46            |              |
|                              | $z_s$                               | (cm)                  |              |               | 1.7        | 1.1           |              |
|                              | $z_{ref}$                           | (cm)                  |              |               |            |               |              |
| Other Information            | $f_{ref}$                           | (MHz)                 | B-4.2, D-3.9 |               |            |               | B-4.2, D-3.3 |
|                              | $f_{PRF}$                           | (Hz)                  | 6397         |               |            |               |              |
|                              | $n_{ref}$                           | (Hz)                  | 23           |               |            |               |              |
|                              | $n_{PRF}$                           |                       | 1.0          |               |            |               |              |
|                              | $f_{PRF}$ at $P_{ref}$ or $z_{ref}$ | (W/cm <sup>2</sup> )  | 233          |               |            |               |              |
|                              | $f_{PRF}$ at $P_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 290          |               |            |               |              |
| Operating Control Conditions | $f_{PRF}$ at $P_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 452          |               |            |               |              |
|                              | $P_r$ at $f_{ref}$                  | (MPa)                 | 2.6          |               |            |               |              |
|                              | PWR%                                | (%)                   | 100          | 100           | 100        | 100           | 100          |
|                              | Tx Mode                             | BMPW                  | BMPW         | BMPW          | BMPW       | BMPW          | BMPW         |
|                              | Wave Mode                           | T1(PMT)               | PND          | PND           | PND        | PND           | T1U(PMT)     |
|                              | Frequency (B)                       | Ratio                 | Ratio        | Ratio         | Ratio      | Ratio         | Ratio        |
|                              | Focus (B)                           | F1                    | F1           | F1            | F1         | F1            | F1           |
|                              | Scan/8 (B)                          | 25                    | 25           | 25            | 25         | 25            | 25           |
|                              | Range                               | (cm)                  | 16.0         | 16.0          | 4.0        | 4.0           | 8.0          |
|                              | PRF Limit                           | OFF                   | OFF          | OFF           | OFF        | OFF           | OFF          |
|                              | Line Density                        | High                  | Low          | High          | High       | Low           | Low          |
|                              | Flow Mode                           | n/a                   | n/a          | n/a           | n/a        | n/a           | n/a          |
|                              | Ref. Frequency (Color)              | n/a                   | n/a          | n/a           | n/a        | n/a           | n/a          |
|                              | Focus (Color)                       | n/a                   | n/a          | n/a           | n/a        | n/a           | n/a          |
|                              | Flow% (Color)                       | n/a                   | n/a          | n/a           | n/a        | n/a           | n/a          |
|                              | Color Velocity Range                | (cm/s)                | n/a          | n/a           | n/a        | n/a           | n/a          |
| Packet Size                  | n/a                                 | n/a                   | n/a          | n/a           | n/a        | n/a           |              |
| Flow Area Depth              | (cm)                                | n/a                   | n/a          | n/a           | n/a        | n/a           |              |
| Color Line Density           | n/a                                 | n/a                   | n/a          | n/a           | n/a        | n/a           |              |
| PR Mode                      | PW                                  | PW                    | PW           | PW            | PW         | PW            |              |
| High PRF                     | OFF                                 | OFF                   | OFF          | OFF           | OFF        | OFF           |              |
| Ref. Frequency (D)           | Present                             | Ratio                 | Ratio        | Ratio         | Ratio      | Present       |              |
| Focus (D)                    | F2                                  | F1                    | F1           | F1            | F1         | F1            |              |
| Doppler Velocity Range       | (cm/s)                              | 122.60                | 56.92        | 75.89         | 72.44      | 72.44         |              |
| Sample gate size             | (cm)                                | 0.1                   | 0.1          | 0.1           | 0.1        | 0.1           |              |
| Sample gate depth            | (cm)                                | 1.6                   | 7.6          | 0.0           | 0.0        | 0.0           |              |
| Triplets Frame Rate          | n/a                                 | n/a                   | n/a          | n/a           | n/a        | n/a           |              |
| Triplets VEG Range           | n/a                                 | n/a                   | n/a          | n/a           | n/a        | n/a           |              |
| Flow Area Lock               | n/a                                 | n/a                   | n/a          | n/a           | n/a        | n/a           |              |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcutaneous or intracranial catheter use.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TIS.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. This equipment setting related to the index has to be entered in the operating control section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or non-invasive applications.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{p}}$              | 37.14% |
| $P_r$                       | 18.75% |

| Display Accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amnd.1)

| Transducer Model                                                                                                                                                  | VC35                                | MODE                  |            |               |            |               | M+Color-mode |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------|------------|---------------|------------|---------------|--------------|
| Index Label                                                                                                                                                       |                                     | MI                    | TIS        |               | TIB        | TIC           |              |
| Maximum Index Value                                                                                                                                               |                                     | 1.4                   | at surface | below surface | at surface | below surface |              |
| Index Component Value                                                                                                                                             |                                     |                       | 0.86       | 0.56          | 0.72       | 2.3           |              |
| Acoustic Parameters                                                                                                                                               | $P_{ref}$                           | (MPa)                 |            |               |            |               |              |
|                                                                                                                                                                   | $P$                                 | (mW)                  |            | 49            |            | 49            |              |
|                                                                                                                                                                   | $P_{iso}$                           | (mW)                  |            | 47            |            | 48            |              |
|                                                                                                                                                                   | $z_s$                               | (cm)                  |            | 1.7           |            |               |              |
|                                                                                                                                                                   | $z_b$                               | (cm)                  |            |               |            | 1.1           |              |
|                                                                                                                                                                   | $z_{ref}$                           | (cm)                  | 0.41       |               |            |               |              |
|                                                                                                                                                                   | $f_{ref}$                           | (MHz)                 | 0.41       |               |            |               |              |
|                                                                                                                                                                   | $f_{ref}$                           | (MHz)                 | 2.5        |               |            | 3.2           |              |
|                                                                                                                                                                   | $f_{ref}$                           | (Hz)                  | 1085       |               |            |               |              |
|                                                                                                                                                                   | $f_{ref}$                           | (Hz)                  | -          |               |            |               |              |
| Other Information                                                                                                                                                 | $n_{ref}$                           | -                     |            |               |            |               |              |
|                                                                                                                                                                   | $f_{ref}$ at $P_{ref}$              | (W/cm <sup>2</sup> )  | 190        |               |            |               |              |
|                                                                                                                                                                   | $f_{ref}$ at $P_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 303        |               |            |               |              |
|                                                                                                                                                                   | $f_{ref}$ at $P_{ref}$ or $z_{ref}$ | (mW/cm <sup>2</sup> ) | 325        |               |            |               |              |
|                                                                                                                                                                   | $P_r$ at $f_{ref}$                  | (MPa)                 | 2.3        |               |            |               |              |
|                                                                                                                                                                   | PRW%                                | (%)                   | 100        | 100           | 100        | 100           |              |
|                                                                                                                                                                   | Wave Mode                           |                       | M+P+Flow   | M+P+Flow      | M+P+Flow   | M+P+Flow      |              |
|                                                                                                                                                                   | Frequency (B)                       | n/a                   | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Focus (B)                           | n/a                   | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Scan/8 (B)                          | (%)                   | n/a        | n/a           | n/a        | n/a           |              |
| Operating Conditions                                                                                                                                              | Range                               | (cm)                  | 24.0       | 24.0          | 8.0        | 8.0           |              |
|                                                                                                                                                                   | PRF Limit                           |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Line Density                        |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Flow Mode                           | Flow                  | Flow       | Flow          | Flow       | Flow          |              |
|                                                                                                                                                                   | Ref. Frequency (Color)              | Present               | Ratio      | Ratio         | Ratio      | Ratio         |              |
|                                                                                                                                                                   | Focus (Color)                       | F1                    | F5         | F1            | F1         | F1            |              |
|                                                                                                                                                                   | Flow% (Color)                       | n/a                   | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Color Velocity Range                | (cm/s)                | 16.60      | 53.13         | 66.41      | 72.44         |              |
|                                                                                                                                                                   | Packet Size                         |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Flow Area Depth                     | (cm)                  | 24.0       | 24.0          | 24.0       | 24.0          |              |
|                                                                                                                                                                   | Color Line Density                  |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | PR Mode                             |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | High PRF                            |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Ref. Frequency (D)                  |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Focus (D)                           |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Doppler Velocity Range              | (cm/s)                | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Sample gate size                    | (cm)                  | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Sample gate depth                   | (cm)                  | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Triplets Frame Rate                 |                       | n/a        | n/a           | n/a        | n/a           |              |
|                                                                                                                                                                   | Triplets VEIL Range                 |                       | n/a        | n/a           | n/a        | n/a           |              |
| Flow Area Lock                                                                                                                                                    |                                     | n/a                   | n/a        | n/a           | n/a        |               |              |
| NOTE 1: Only use the operating conditions shown above for the actual label surface, both in the columns related to TIS or TB.                                     |                                     |                       |            |               |            |               |              |
| NOTE 2: Data not tested and not included for the actual label surface, both in the columns related to TIS or TB.                                                  |                                     |                       |            |               |            |               |              |
| NOTE 3: Information not tested and not included for the actual label surface, both in the columns related to TIS or TB.                                           |                                     |                       |            |               |            |               |              |
| NOTE 4: If the requirements of 2011:12.4.20 are met, it is not required to enter any data in the columns related to TIS, TB or TIC.                               |                                     |                       |            |               |            |               |              |
| NOTE 5: If the requirements of 2011:12.4.20 are met, it is not required to enter any data in the columns related to MI.                                           |                                     |                       |            |               |            |               |              |
| NOTE 6: "-" indicates cells where a numerical value should be entered. The equipment setting related to the value to be entered in the operating control section. |                                     |                       |            |               |            |               |              |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or non-invasive applications.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TIB or TIC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement Uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{p}}$              | 37.14% |
| $P_r$                       | 18.75% |

| Display Accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| T                | 40% or 0.4, whichever larger |



| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{PI}$                    | 37.14% |
| $P_{\cdot}$                 | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| 77               | 40% or 0.4, whichever larger |

NOTE 1 Only one operating condition per block.

ARIETTA 50

VC41V Convex

Acoustic power is controllable by the user.

| parameter                        | Mode     | B <sub>0</sub> | B <sub>0max</sub> | M <sub>0</sub> | M <sub>0max</sub> | D <sub>0</sub> | D <sub>0max</sub> | (M+Color)P | (M+Color)Iapna | (B+D) <sub>0</sub> | (B+D) <sub>0max</sub> | (B+Color)P | (B+Color)Iapna | (B+Color+D)P | (B+Color+D)Iapna |
|----------------------------------|----------|----------------|-------------------|----------------|-------------------|----------------|-------------------|------------|----------------|--------------------|-----------------------|------------|----------------|--------------|------------------|
| Maximum power                    | (mW)     | 45             | 28                | 12             | 19                | 20             | 23                | 14         | 21             | 11                 | 23                    | 15         | 23             | 5.3          | 23               |
| P <sub>0</sub>                   | (MPa)    | 4.2            | 2.2               | 3.8            | 4.2               | 3.2            | 0.94              | 3.2        | 1.8            | 4.2                | 2.8                   | 4.2        | 2.4            | 4.2          | 2.4              |
| I <sub>0</sub>                   | (mW/cm²) | 77             | 159               | 20             | 32                | 37             | 42                | 25         | 38             | 69                 | 42                    | 62         | 67             | 34           | 44               |
| I <sub>0max</sub>                | (mW/cm²) | 15             | 41                | 352            | 527               | 454            | 526               | 322        | 496            | 30                 | 497                   | 5.1        | 61             | 63           | 508              |
| PWR%                             | (%)      | 100            | 100               | 100            | 100               | 100            | 100               | 100        | 100            | 100                | 100                   | 100        | 100            | 100          | 100              |
| Tx Mode                          |          | B              | B                 | M              | M                 | Pw             | Pw                | MFlow      | MFlow          | B/Pw               | B/Pw                  | B/Pw       | B/Pw           | B/Pw         | B/Pw             |
| Wave Mode                        |          | THQ(2.1)       | FND               | THQ(2.1)       | THQ(2.1)          | THQ(2.1)       | THQ(2.1)          | -          | -              | THQ(2.1)           | THQ(2.1)              | THQ(2.1)   | THQ(2.1)       | THQ(2.1)     | THQ(2.1)         |
| Frequency (B)                    |          | Reso           | Std               | Std            | Std               | Std            | Std               | n/a        | n/a            | Reso               | Reso                  | Reso       | Reso           | Reso         | Reso             |
| Focus (B)                        |          | F4             | F1                | F4             | F4                | F4             | F4                | n/a        | n/a            | F4                 | F4                    | F4         | F4             | F4           | F4               |
| Scan's (B)                       |          | 25             | 25                | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | 100                | 25                    | 100        | 25             | 100          | 27               |
| Range                            | (cm)     | 17.0           | 4.5               | 17.0           | 17.0              | 17.0           | 17.0              | 17.0       | 17.0           | 13.0               | 17.0                  | 17.0       | 17.0           | 17.0         | 15.0             |
| PRF Limit                        |          | ON             | OFF               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | Low                | Low                   | ON         | OFF            | ON           | OFF              |
| Line Density                     |          | Low            | High              | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | Flow       | eFlow          | Flow         | Medium           |
| Flow Mode                        |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | Reso       | Std            | Reso         | Flow             |
| Ref. Frequency (Color)           |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | F1         | F4             | F1           | F3               |
| Focus (Color)                    |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | 100        | 15             | 100          | 15               |
| Flow% (Color)                    |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | 0.63       | 53.13          | 0.63         | 19.92            |
| Color Velocity Range             | (cm/s)   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | 9.96       | 56.92          | n/a                | n/a                   | Low        | High           | Low          | High             |
| Pocket Size                      |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | 17.0       | 17.0           | n/a                | n/a                   | 17.0       | 12.0           | 17.0         | 15.0             |
| Flow Area Depth                  | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | 1          | 3              | 1            | 3                |
| Color Line Density               |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Pw Mode                          |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| High PRF                         |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Ref. Frequency (D)               |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Focus (D)                        |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Doppler Velocity Range           | (cm/s)   | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Sample gate size                 | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Sample gate depth                | (cm)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Triplex Frame Rate               |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Triplex VEL Range                |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Flow Area Lock                   |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| F <sub>0</sub>                   | (mm)     | 29             | 4.1               | 30             | 29                | 30             | 30                | 30         | 30             | 29                 | 30                    | 29         | 23             | 29           | 30               |
| w <sub>0</sub>                   | (mm)     | 1.6            | 1.0               | 1.6            | 1.6               | 2.1            | 2.1               | 2.1        | 2.1            | 1.6                | 2.1                   | 1.6        | 1.6            | 1.6          | 2.1              |
| w <sub>0</sub> Δ                 | (mm)     | 2.3            | 5.8               | 2.3            | 2.3               | 2.3            | 2.3               | 2.3        | 2.3            | 2.3                | 2.3                   | 2.3        | 3.4            | 2.3          | 2.3              |
| prf (PRF)                        | (Hz)     | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| arr (SRF)                        | (Hz)     | 27             | 268               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| n <sub>0</sub>                   |          | 2.0            | 1.0               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| n <sub>0</sub> Δ                 |          | 71             | 37                | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Output beam dimensions           |          | 9.0            | 2.7               | 9.0            | 9.0               | 8.5            | 8.5               | 8.5        | 8.5            | 9.0                | 8.5                   | 9.0        | 5.8            | 9.0          | 8.5              |
| f <sub>0</sub>                   | (mm)     | 6.5            | 6.5               | 6.5            | 6.5               | 6.5            | 6.5               | 6.5        | 6.5            | 6.5                | 6.5                   | 6.5        | 6.5            | 6.5          | 6.5              |
| f <sub>0</sub> Δ                 | (mm)     | 5.3            | 5.4               | 5.3            | 5.3               | 4.5            | 4.5               | 4.8        | 4.8            | 5.3                | 4.5                   | 5.3        | 4.2            | 5.3          | 4.5              |
| f <sub>0</sub> Δ                 | (MHz)    | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Acoustic Power-up fraction       | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Power-up mode                    |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Acoustic Initialization fraction | (%)      | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Initialization mode              |          | n/a            | n/a               | n/a            | n/a               | n/a            | n/a               | n/a        | n/a            | n/a                | n/a                   | n/a        | n/a            | n/a          | n/a              |
| Acoustic output freeze           |          | Yes            | Yes               | Yes            | Yes               | Yes            | Yes               | Yes        | Yes            | Yes                | Yes                   | Yes        | Yes            | Yes          | Yes              |
| f <sub>0</sub> Δ                 | (mm)     | 2.1            | 2.1               | 2.1            | 2.1               | 2.1            | 2.1               | 2.1        | 2.1            | 2.1                | 2.1                   | 2.1        | 2.1            | 2.1          | 2.1              |
| Inclusive modes                  |          | contact        | contact           | contact (B+M)  | contact (B+M)     | contact        | contact           | contact    | contact        | contact            | contact               | contact    | contact        | contact      | contact          |

|                             |        |
|-----------------------------|--------|
| Measurement Uncertainty (%) |        |
| P <sub>0</sub>              | 25.00% |
| I <sub>0</sub>              | 37.14% |
| F <sub>0</sub>              | 18.75% |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amnd.1)

### Transducer Model

| Index Label            | MI       | TDS        |               | TIB        |               | TIC      |
|------------------------|----------|------------|---------------|------------|---------------|----------|
|                        |          | at surface | below surface | at surface | below surface |          |
| Maximum Index Value    | 1.3      | 0.68       | 0.67          | 0.56       | 0.77          | 0.79     |
| Index Component Value  |          |            |               |            |               |          |
| $P_{\text{tot}}$ (MPa) | 2.7      |            |               |            |               |          |
| $P$ (mW)               |          | 27         |               | 22         |               |          |
| $P_{\text{tot}}$ (mW)  |          | 27         |               | 22         |               | 26       |
| $x_z$ (cm)             |          |            | 0.63          |            |               |          |
| $x_z$ (cm)             |          |            |               |            | 0.82          |          |
| $x_{\text{tot}}$ (cm)  | 0.53     |            |               |            |               |          |
| $x_{\text{tot}}$ (cm)  | 0.53     |            |               |            |               |          |
| $f_{\text{tot}}$ (MHz) | 4.0      | 5.4        |               | 5.5        |               | 5.4      |
| $f_{\text{tot}}$ (Hz)  | 3458     |            |               |            |               |          |
| $f_{\text{tot}}$ (Hz)  | 42       |            |               |            |               |          |
| $x_{\text{tot}}$ (cm)  | 1.0      |            |               |            |               |          |
| $f_{\text{tot}}$ (MHz) | 250      |            |               |            |               |          |
| $f_{\text{tot}}$ (MHz) | 73       |            |               |            |               |          |
| $f_{\text{tot}}$ (MHz) | 83       |            |               |            |               |          |
| $P_{\text{tot}}$ (MPa) | 2.8      |            |               |            |               |          |
| Operating Conditions   |          |            |               |            |               |          |
| TS Mode                | BM       | 100        |               | 100        |               | 100      |
| Wave Mode              | THU(PmT) | BM         |               | BM         |               | BM       |
| Frequency (Hz)         | PND      | THU(PmT)   |               | THU(PmT)   |               | THU(PmT) |
| Focus (B)              | BM       | BM         |               | BM         |               | BM       |
| Scan/6 (B)             | 25       | 25         |               | 25         |               | 25       |
| Range                  | 4.0      | 4.0        |               | 4.0        |               | 4.0      |
| PRF Limit              | ON       | OFF        |               | OFF        |               | OFF      |
| Line Density           | Low      | Low        |               | High       |               | Low      |
| Wave Mode              | n/a      | n/a        |               | n/a        |               | n/a      |
| Ref. Frequency (Color) | n/a      | n/a        |               | n/a        |               | n/a      |
| Focus (Color)          | n/a      | n/a        |               | n/a        |               | n/a      |
| Flow/6 (Color)         | n/a      | n/a        |               | n/a        |               | n/a      |
| Color Velocity Range   | n/a      | n/a        |               | n/a        |               | n/a      |
| Pecker Size            | n/a      | n/a        |               | n/a        |               | n/a      |
| Flow Arm Depth         | n/a      | n/a        |               | n/a        |               | n/a      |
| Color Line Density     | n/a      | n/a        |               | n/a        |               | n/a      |
| Pre Mode               | n/a      | n/a        |               | n/a        |               | n/a      |
| High PRF               | n/a      | n/a        |               | n/a        |               | n/a      |
| Ref. Frequency (D)     | n/a      | n/a        |               | n/a        |               | n/a      |
| Focus (D)              | n/a      | n/a        |               | n/a        |               | n/a      |
| Dropper Velocity Range | n/a      | n/a        |               | n/a        |               | n/a      |
| Sample gate size       | n/a      | n/a        |               | n/a        |               | n/a      |
| Sample gate depth      | n/a      | n/a        |               | n/a        |               | n/a      |
| Triplets Frame Rate    | n/a      | n/a        |               | n/a        |               | n/a      |
| Triplets VCL Range     | n/a      | n/a        |               | n/a        |               | n/a      |
| Flow Arm Lock          | n/a      | n/a        |               | n/a        |               | n/a      |

NOTE 1: Only one operating condition per index

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TDS or TIB

NOTE 3: Information must not be provided regarding TIC for any TRANSCAPAS ASSEMBLY not intended for transcranial or noncranial cephalic scans

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TIB or TIC

NOTE 5: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to MI

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the testing control section.

NOTE 7: Only one operating condition per index

NOTE 8: Data should be entered for all surface and below surface both in the columns related to TDS or TIB

NOTE 9: Information must not be provided regarding TIC for any TRANSCAPAS ASSEMBLY not intended for transcranial or noncranial cephalic scans

NOTE 10: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TIB or TIC

NOTE 11: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to MI

NOTE 12: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the testing control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $P$                         | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for intracranial or neonatal cathaptic uses.

NOTE 4: If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to TMS, TTB or TFC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to ME.

NOTE: 0 " indicates cells where a numerical value should be entered. The equipment setting related to the Index has to be entered in the operating control section.

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

Transducer Model

| Index Label                                                                                  |  | MI      | TYS        |               | TTB        |               | TYC  |
|----------------------------------------------------------------------------------------------|--|---------|------------|---------------|------------|---------------|------|
| Maximum Index Value                                                                          |  | 1.3     | at surface | below surface | at surface | below surface |      |
| Index Component Value                                                                        |  |         | 0.71       | 0.71          | 0.71       | 0.71          | 0.79 |
| $P_{\text{ave}}$ (MPa)                                                                       |  | 2.7     |            |               |            |               |      |
| $P$ (mW)                                                                                     |  |         | 28         |               | 28         |               |      |
| Acoustic Parameters                                                                          |  |         | 28         |               | 28         |               | 50   |
| $P_{\text{in}}$ (mW)                                                                         |  |         |            |               |            |               |      |
| $\tau_s$ (cm)                                                                                |  |         |            | -             |            |               | 0.63 |
| $\tau_n$ (cm)                                                                                |  |         |            |               |            |               |      |
| $\tau_{\text{ar}}$ (cm)                                                                      |  | 0.53    |            |               |            |               |      |
| $\tau_{\text{plsr}}$ (cm)                                                                    |  | 0.53    |            |               |            |               |      |
| $f_{\text{ref}}$ (MHz)                                                                       |  | 4.0     | 5.4        |               | 5.4        |               | 5.3  |
| Other Information                                                                            |  |         |            |               |            |               |      |
| $PRF$ (Hz)                                                                                   |  | 3788    |            |               |            |               |      |
| $err$ (Hz)                                                                                   |  | 53      |            |               |            |               |      |
| $n_{\text{me}}$ (Hz)                                                                         |  | 1.0     |            |               |            |               |      |
| $I_{\text{ave}}$ mJ $\sigma_{\text{ave}}$ (W/cm <sup>2</sup> )                               |  | 250     |            |               |            |               |      |
| $I_{\text{ave}, \alpha}$ at $\tau_{\text{plsr}}$ or $\tau_{\text{ar}}$ (mW/cm <sup>2</sup> ) |  | 11      |            |               |            |               |      |
| $I_{\text{ave}}$ at $\tau_{\text{plsr}}$ or $\tau_{\text{ar}}$ (mW/cm <sup>2</sup> )         |  | 12      |            |               |            |               |      |
| $P_r$ at $\tau_{\text{plsr}}$ (MPa)                                                          |  | 2.8     |            |               |            |               |      |
| Operating Conditions                                                                         |  |         |            |               |            |               |      |
| Power (%)                                                                                    |  | 100     | 100        |               | 100        |               | 100  |
| Tx Mode                                                                                      |  | B       | B          |               | B          |               | B    |
| Wave Mode                                                                                    |  | TH0(m7) | TH0(L)     |               | TH0(L)     |               | FND  |
| Frequency (B)                                                                                |  | Ratio   | Ratio      |               | Ratio      |               | Std  |
| Focus (B)                                                                                    |  | F2      | F1         |               | F1         |               | F5   |
| Scan (B)                                                                                     |  | 160     | 25         |               | 25         |               | 100  |
| Range (cm)                                                                                   |  | 17.0    | 6.0        |               | 6.0        |               | 17.0 |
| PRF Limit                                                                                    |  | ON      | OFF        |               | OFF        |               | ON   |
| Line Density                                                                                 |  | Low     | High       |               | High       |               | Low  |
| Flow Mode                                                                                    |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Ref. Frequency (Color)                                                                       |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Focus (Color)                                                                                |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Flow (Color)                                                                                 |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Color Velocity Range                                                                         |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Picket Size                                                                                  |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Flow Area Depth                                                                              |  | (cm)    | n/a        |               | n/a        |               | n/a  |
| Color Line Density                                                                           |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Pw Mode                                                                                      |  | n/a     | n/a        |               | n/a        |               | n/a  |
| High PRF                                                                                     |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Ref. Frequency (D)                                                                           |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Focus (D)                                                                                    |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Doppler Velocity Range                                                                       |  | (cm/s)  | n/a        |               | n/a        |               | n/a  |
| Sample gate size                                                                             |  | (cm)    | n/a        |               | n/a        |               | n/a  |
| Sample gate depth                                                                            |  | (cm)    | n/a        |               | n/a        |               | n/a  |
| Triplets Frame Rate                                                                          |  | (cm)    | n/a        |               | n/a        |               | n/a  |
| Triplets VEL. Range                                                                          |  | n/a     | n/a        |               | n/a        |               | n/a  |
| Flow Area Lock                                                                               |  | n/a     | n/a        |               | n/a        |               | n/a  |

NOTE 1 Only one operating condition per below.

NOTE 2 Data must be entered for all three axial plane surfaces both in the column related to TYS or TTB.

NOTE 3 Information must be entered for all three axial plane surfaces both in the column related to TYC or TTB.

NOTE 4 If the measurements of 201.12, 4.20 are met, 1 is not required to enter any data in the column related to TYS, TTB or TYC.

NOTE 5 If the measurements of 201.12, 4.20 are met, 1 is not required to enter any data in the column related to MI.

NOTE 6 "n" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the first empty column.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_H$                       | 37.14% |
| $n$                         | 1.875% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| IT               | 40% or 0.4, whichever larger |

Flow Area Lock

NOTE 2: Data should be entered for at surface and below surface both in the columns related to TIS or TIR.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for Intracranial or neonatal cephalic uses.

NOTE 4: If the requirements of 201.12.4.2a) are met, it is not required to enter any data in the columns related to T15, T16 or T1C.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to ML.

NOTE:  $\infty$  indicates cells where a numerical value should be entered. The estimated setting related to the index has to be entered in the ascending control section.



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                   | VC41V  | MODE       |               |               |     | PWD-Mode |
|------------------------------------|--------|------------|---------------|---------------|-----|----------|
| Index Label                        | MI     | TIS        | TIB           | TTC           |     |          |
| Maximum Index Value                | 1.1    | 0.53       | 1.4           | 1.3           |     |          |
| Index Component Value              |        | at surface | below surface | below surface |     |          |
| $P_{iso}$ (MPa)                    | 2.3    | 0.53       | 0.38          | 1.4           |     |          |
| $P$ (mW)                           |        | 26         | 21            | 23            |     |          |
| $P_{out}$ (mW)                     |        | 24         | 21            |               |     |          |
| $z_s$ (cm)                         |        |            |               |               |     |          |
| $z_{iso}$ (cm)                     | 0.41   |            | 1.3           | 0.69          |     |          |
| $z_{ref}$ (cm)                     | 0.41   |            |               |               |     |          |
| $f_{ref}$ (MHz)                    | 4.5    | 4.6        | 4.1           | 4.5           |     |          |
| $f_{TTS}$ (Hz)                     | 723    |            |               |               |     |          |
| $f_{TIB}$ (Hz)                     | -      |            |               |               |     |          |
| $n_{TTS}$                          | -      |            |               |               |     |          |
| $I_{P_{iso}}$ (W/cm <sup>2</sup> ) | 198    |            |               |               |     |          |
| $I_{P_{out}}$ (W/cm <sup>2</sup> ) | 117    |            |               |               |     |          |
| $I_{P_{ref}}$ (W/cm <sup>2</sup> ) | 133    |            |               |               |     |          |
| $P_r$ (MPa)                        | 2.5    |            |               |               |     |          |
| PPWPS                              | (%)    | 100        | 100           | 100           | 100 |          |
| Tx Mode                            | Pw     | Pw         | Pw            | Pw            |     |          |
| Wave Mode                          | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Frequency (B)                      | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Focus (B)                          | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Search (B)                         | (%)    | n/a        | n/a           | n/a           | n/a |          |
| Range                              | (cm)   | n/a        | n/a           | n/a           | n/a |          |
| PRF Limit                          | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Line Density                       | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Flow Mode                          | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Ref. Frequency (Color)             | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Focus (Color)                      | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Flow's (Color)                     | (%)    | n/a        | n/a           | n/a           | n/a |          |
| Color Velocity Range               | (cm/s) | n/a        | n/a           | n/a           | n/a |          |
| Pocket Size                        | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Flow Area Depth                    | (cm)   | n/a        | n/a           | n/a           | n/a |          |
| Color Line Density                 | n/a    | n/a        | n/a           | n/a           | n/a |          |
| Pw Mode                            | PW     | PW         | PW            | PW            |     |          |
| High PRF                           | OFF    | OFF        | OFF           | OFF           |     |          |
| Ref. Frequency (D)                 | Ratio  | Ratio      | Ratio         | Ratio         |     |          |
| Focus (D)                          | F2     | F6         | F2            | F1            |     |          |
| Doppler Velocity Range             | (cm/s) | 16.60      | 49.80         | 72.44         |     |          |
| Sample gate size                   | (cm)   | 0.1        | 0.1           | 0.1           |     |          |
| Sample gate depth                  | (cm)   | 0.4        | 0.4           | 0.0           |     |          |
| Triplets Frame Rate                | n/a    | n/a        | n/a           | n/a           |     |          |
| Triplets VEG Range                 | n/a    | n/a        | n/a           | n/a           |     |          |
| Flow Area Lock                     | n/a    | n/a        | n/a           | n/a           |     |          |

NOTE 1: Only one counting condition per index.

NOTE 2: Data should be entered for all surface and below surface (both) in the columns related to TIS or TIB.

NOTE 3: If the transducer is not used for the purpose of the test, the value should be entered as "n/a".

NOTE 4: If the transducer is not used for the purpose of the test, the value should be entered as "n/a".

NOTE 5: If the transducer is not used for the purpose of the test, the value should be entered as "n/a".

NOTE 6: If the transducer is not used for the purpose of the test, the value should be entered as "n/a".

NOTE 7: If the transducer is not used for the purpose of the test, the value should be entered as "n/a".

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NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4 If the requirements of 201.124.20 are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.124.20 are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P$                         | 25.00% |  |
| $I_P$                       | 37.14% |  |
| $P_r$                       | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MI               | 20% or 0.2, whichever larger |  |
| T                | 40% or 0.4, whichever larger |  |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YC41V   | MODE       | M-Mode        |         |
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| Index Label                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MI      | TIS        | TIB           | TTC     |
| Maximum Index Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.3     | 0.49       | 0.91          | 0.59    |
| Index Component Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | at surface | below surface |         |
| $P_{iso}$ (MPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.7     | 0.49       | 0.33          | 0.91    |
| $P$ (mW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| $P_{out}$ (mW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| $z_s$ (cm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| $z_{iso}$ (cm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Doppler Velocity Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Sample gate size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Sample gate depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Triplets Frame Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Triplets VEG Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| Flow Area Lock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| NOTES: 1. Only use the following units for flow: cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, 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cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, 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cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, cm/s, cm/min, cm/h, 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NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.

NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4 If the requirements of 201.124.20 are met, it is not required to enter any data in the columns related to TIS, TIB or TIC.

NOTE 5 If the requirements of 201.124.20 are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P$                         | 25.00% |  |
| $I_P$                       | 37.14% |  |
| $P_r$                       | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MI               | 20% or 0.2, whichever larger |  |
| T                | 40% or 0.4, whichever larger |  |



ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                                                                                                                      |                                                                                                                                              | VC41V                 |          | MODE                |     | B+Calar/D-mode      |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------|---------------------|-----|---------------------|----------|
| Index Label                                                                                                                                                           |                                                                                                                                              | MI                    |          | TIS                 |     | TIB                 |          |
| Maximum Index Value                                                                                                                                                   |                                                                                                                                              | 1.3                   |          | at surface          |     | at surface          |          |
| Index Component Value                                                                                                                                                 |                                                                                                                                              | 0.53                  |          | 0.39                |     | 0.50                |          |
| Acoustic Parameters                                                                                                                                                   | $P_{rms}$                                                                                                                                    | (MPa)                 | 2.7      |                     |     |                     |          |
|                                                                                                                                                                       | $P$                                                                                                                                          | (mW)                  |          | 26                  |     | 23                  |          |
|                                                                                                                                                                       | $P_{s1}$                                                                                                                                     | (mW)                  |          | 24                  |     | 23                  |          |
|                                                                                                                                                                       | $F_s$                                                                                                                                        | (cm)                  |          |                     |     |                     | 0.69     |
|                                                                                                                                                                       | $z_s$                                                                                                                                        | (cm)                  | 0.53     |                     | 1.3 |                     |          |
| Other Information                                                                                                                                                     | $z_{rms}$                                                                                                                                    | (cm)                  | 0.53     |                     |     |                     |          |
|                                                                                                                                                                       | $z_{rms}$                                                                                                                                    | (cm)                  | 0.53     |                     |     |                     |          |
|                                                                                                                                                                       | $F_{out}$                                                                                                                                    | (MHz)                 | B-4      | B-5, C-4, B, D-4, 6 |     | B-5, C-4, B, D-4, 5 |          |
|                                                                                                                                                                       | $f_{PRF}$                                                                                                                                    | (Hz)                  | 756      |                     |     |                     |          |
|                                                                                                                                                                       | $f_{PRF}$                                                                                                                                    | (Hz)                  | 0.53     |                     |     |                     |          |
| Operating Control Conditions                                                                                                                                          | $\eta_{max}$                                                                                                                                 |                       | B-1, C-9 |                     |     |                     |          |
|                                                                                                                                                                       | $f_{max}$ at $z_{rms}$                                                                                                                       | (W/cm <sup>2</sup> )  | 250      |                     |     |                     |          |
|                                                                                                                                                                       | $f_{max}$ at $z_{rms}$ or $z_{s1}$                                                                                                           | (mW/cm <sup>2</sup> ) | 56       |                     |     |                     |          |
|                                                                                                                                                                       | $f_{max}$ at $z_{rms}$ or $z_{s1}$                                                                                                           | (mW/cm <sup>2</sup> ) | 63       |                     |     |                     |          |
|                                                                                                                                                                       | $P$ at $z_{rms}$                                                                                                                             | (MPa)                 | 2.8      |                     |     |                     |          |
| Operating Control Conditions                                                                                                                                          | TR Mode                                                                                                                                      | (%)                   | 100      | 100                 |     | 100                 | 100      |
|                                                                                                                                                                       | Wave Mode                                                                                                                                    |                       | B/F/Flow | B/F/Flow            |     | B/F/Flow            | B/F/Flow |
|                                                                                                                                                                       | Frequency (B)                                                                                                                                |                       | THD(P/T) | FND                 |     | FND                 | FND      |
|                                                                                                                                                                       | Flow (B)                                                                                                                                     |                       | Ratio    | Sol                 |     | Sol                 | Sol      |
|                                                                                                                                                                       | Search (B)                                                                                                                                   | (%)                   | F2       | F1                  |     | F1                  | F1       |
|                                                                                                                                                                       | Range                                                                                                                                        | (cm)                  | 100      | 27                  |     | 27                  | 27       |
|                                                                                                                                                                       | PRF Limit                                                                                                                                    |                       | ON       | OFF                 |     | OFF                 | OFF      |
|                                                                                                                                                                       | Line Density                                                                                                                                 |                       | Low      | Low                 |     | Low                 | Medium   |
|                                                                                                                                                                       | Flow Mode                                                                                                                                    |                       | Flow     | aFlow               |     | aFlow               | aFlow    |
|                                                                                                                                                                       | Ref. Frequency (Color)                                                                                                                       |                       | Ratio    | Ratio               |     | Ratio               | Ratio    |
|                                                                                                                                                                       | Flow (Color)                                                                                                                                 |                       | F1       | F1                  |     | F1                  | F1       |
|                                                                                                                                                                       | Flow (Color)                                                                                                                                 |                       | 100      | 15                  |     | 15                  | 15       |
|                                                                                                                                                                       | Color Velocity Range                                                                                                                         | (cm/s)                | 0.63     | 44.27               |     | 33.26               | 33.26    |
|                                                                                                                                                                       | Packet Size                                                                                                                                  |                       | Low      | Low                 |     | Low                 | High     |
|                                                                                                                                                                       | Flow Area Depth                                                                                                                              | (cm)                  | 17.0     | 13.0                |     | 17.0                | 17.0     |
| Flow Mode                                                                                                                                                             | Color Line Density                                                                                                                           |                       | 1        | 1                   |     | 1                   | 3        |
|                                                                                                                                                                       | PRF Mode                                                                                                                                     |                       | PW       | PW                  |     | PW                  | PW       |
|                                                                                                                                                                       | High PRF                                                                                                                                     |                       | OFF      | OFF                 |     | OFF                 | OFF      |
|                                                                                                                                                                       | Ref. Frequency (D)                                                                                                                           |                       | Ratio    | Ratio               |     | Ratio               | Ratio    |
|                                                                                                                                                                       | Flow (D)                                                                                                                                     |                       | F1       | F6                  |     | F2                  | F1       |
|                                                                                                                                                                       | Droplet Velocity Range                                                                                                                       | (cm/s)                | 6.23     | 99.61               |     | 66.41               | 72.44    |
|                                                                                                                                                                       | Sample gate size                                                                                                                             | (cm)                  | 0.1      | 0.1                 |     | 0.1                 | 0.1      |
|                                                                                                                                                                       | Sample gate size                                                                                                                             | (cm)                  | 0.2      | 0.4                 |     | 0.4                 | 0.0      |
|                                                                                                                                                                       | Triplex Frame Rate                                                                                                                           |                       | Medium   | Medium              |     | Medium              | Medium   |
|                                                                                                                                                                       | Triplex VIDL Range                                                                                                                           |                       | 30P/s    | 30P/s               |     | 30P/s               | 30P/s    |
|                                                                                                                                                                       | Flow Area Lock                                                                                                                               |                       | OFF      | OFF                 |     | OFF                 | OFF      |
|                                                                                                                                                                       | NOTE 1 Only one operating condition per Index.                                                                                               |                       |          |                     |     |                     |          |
|                                                                                                                                                                       | NOTE 2 Data should be entered for at surface and below surface both in the columns related to TIS or TIB.                                    |                       |          |                     |     |                     |          |
|                                                                                                                                                                       | NOTE 3 Information need to be provided regarding TIC for any TRANSDUCER ASSEMBLY. It not intended for measurement of measured capsule units. |                       |          |                     |     |                     |          |
|                                                                                                                                                                       | NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIB, TB or TIC.          |                       |          |                     |     |                     |          |
| NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.                                               |                                                                                                                                              |                       |          |                     |     |                     |          |
| NOTE 6 "-" Indicates cells where a numerical value should be entered. This equipment setting related to the Index has to be entered in the operating control section. |                                                                                                                                              |                       |          |                     |     |                     |          |



## (5) Другие датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

ARIETTA 50  
C41L47RP(C)  
Convex

Acoustic power is controllable by the user.

| Parameter                        | Mode                  | $B_p$   | $B_{pmax}$ | M       | $D_p$   | $D_{pmax}$ | $(B+D)_p$ | $(B+D)_{pmax}$ | (B+Color)<br>FND | (B+Color)<br>FND | (B+Color)<br>FND | (B+Color)<br>FND | (B+Color)<br>FND |
|----------------------------------|-----------------------|---------|------------|---------|---------|------------|-----------|----------------|------------------|------------------|------------------|------------------|------------------|
| Maximum power                    | (mW)                  | 7.2     | 21         | 3.5     | 6.5     | 19         | 20        | 19             | 23               | 23               | 23               | 23               | 19               |
| $p_r$                            | (MPa)                 | 2.6     | 2.2        | 2.6     | 2.4     | 1.5        | 2.6       | 1.7            | 2.6              | 2.6              | 2.6              | 2.6              | 1.6              |
| $I_{0a}$                         | (mW/cm <sup>2</sup> ) | 14      | 53         | 6.6     | 53      | 29         | 29        | 61             | 32               | 35               | 35               | 12               | 60               |
| $I_{0max}$                       | (mW/cm <sup>2</sup> ) | 3.5     | 43         | 183     | 269     | 904        | 220       | 861            | 79               | 34               | 34               | 845              | 845              |
| PRF (%)                          | (%)                   | 100     | 100        | 100     | 100     | 100        | 100       | 100            | 100              | 100              | 100              | 100              | 100              |
| Wave Mode                        |                       | FND     | FND        | M       | Pw      | Pw         | B/Pw      | B/Pw           | FND              | FND              | FND              | FND              | FND              |
| Frequency (B)                    |                       | Std     | Std        | Std     | n/a     | n/a        | Std       | Std            | Std              | Std              | Std              | Std              | Std              |
| Focus (B)                        |                       | F4      | F4         | F4      | n/a     | n/a        | F4        | F4             | F4               | F4               | F4               | F4               | F4               |
| Scans (B)                        |                       | 25      | 25         | n/a     | n/a     | n/a        | 25        | 25             | 25               | 25               | 25               | 25               | 25               |
| Range                            | (cm)                  | 21.0    | 3.0        | 21.0    | n/a     | n/a        | 11.0      | 5.0            | 11.0             | 11.0             | 11.0             | 5.0              | 5.0              |
| PRF Limit                        |                       | ON      | OFF        | n/a     | n/a     | n/a        | High      | High           | OFF              | OFF              | OFF              | ON               | OFF              |
| Line Density                     |                       | Low     | High       | n/a     | n/a     | n/a        | n/a       | n/a            | Low              | Low              | Low              | Low              | Low              |
| Flow Mode                        |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | Flow             | Flow             | Flow             | Flow             | Flow             |
| Ref. Frequency (Color)           |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | Std              | Std              | Std              | Std              | Std              |
| Focus (Color)                    |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | F7               | F7               | F7               | F7               | F7               |
| Flow% (Color)                    | (%)                   | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 15               | 15               | 15               | 15               | 15               |
| Color Velocity Range             | (cm/s)                | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 28.46            | 28.46            | 28.46            | 0.63             | 69.29            |
| Packet Size                      | (cm)                  | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | Low              | Low              | Low              | Low              | Low              |
| Flow Area Depth                  | (cm)                  | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 11.0             | 11.0             | 11.0             | 21.0             | 5.0              |
| Color Line Density               |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | 1                | 1                | 1                | 1                | 2                |
| Pw Mode                          |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | PW               | PW               | PW               | PW               | PW               |
| High PRF                         |                       | n/a     | n/a        | n/a     | n/a     | n/a        | OFF       | OFF            | n/a              | n/a              | n/a              | OFF              | OFF              |
| Ref. Frequency (D)               |                       | n/a     | n/a        | n/a     | n/a     | n/a        | Std       | Std            | n/a              | n/a              | n/a              | Std              | Std              |
| Focus (D)                        |                       | n/a     | n/a        | n/a     | n/a     | n/a        | F5        | F4             | n/a              | n/a              | n/a              | F4               | F4               |
| Doppler Velocity Range           | (cm/s)                | n/a     | n/a        | n/a     | 6.23    | 72.44      | 16.60     | 72.44          | n/a              | n/a              | n/a              | 6.23             | 72.44            |
| Sample gate size                 | (cm)                  | n/a     | n/a        | n/a     | 0.1     | 0.1        | 0.1       | 0.1            | n/a              | n/a              | n/a              | 0.1              | 0.1              |
| Sample gate depth                | (cm)                  | n/a     | n/a        | n/a     | 2.8     | 1.6        | 6.4       | 1.6            | n/a              | n/a              | n/a              | 0.2              | 1.6              |
| Triplex Frame Rate               |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a              | n/a              | n/a              | Medium           | Medium           |
| Triplex VEL. Range               |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a              | n/a              | n/a              | BFix             | BFix             |
| Flow Area Lock                   |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a              | n/a              | n/a              | OFF              | OFF              |
| $f_p$                            | (Hz)                  | 26      | 21         | 26      | 29      | 22         | 26        | 22             | 26               | 26               | 26               | 26               | 22               |
| $w_{p0}$                         | (mm)                  | 1.4     | 1.4        | 1.4     | 2.0     | 1.8        | 1.4       | 1.8            | 1.4              | 1.4              | 1.4              | 1.4              | 1.8              |
| $f_{pr}$ (PRF)                   | (Hz)                  | 1.6     | 2.0        | 1.6     | 1.8     | 1.8        | 1.6       | 1.8            | 1.6              | 1.6              | 1.6              | 1.6              | 1.8              |
| $f_{pr}$ (SRF)                   | (Hz)                  | 22      | 179        | 1002    | 814     | 9470       | n/a       | n/a            | n/a              | n/a              | n/a              | 0.36             | 10               |
| $n_{ul}$                         |                       | 95      | 49         | n/a     | n/a     | n/a        | 12        | 27             | 43               | 25               | 25               | B-1, C-9         | B-1, C-11        |
| Output beam dimensions           | (mm)                  | 8.1     | 6.1        | 8.1     | 7.7     | 5.3        | 8.1       | 5.3            | 8.1              | 8.1              | 8.1              | B-25, C-48       | B-25, C-12       |
| $f_{axf}$                        | (MHz)                 | 6.5     | 6.5        | 6.5     | 6.5     | 6.5        | 6.5       | 6.5            | 6.5              | 6.5              | 6.5              | 6.5              | 6.5              |
| Acoustic Power-up Function       | (%)                   | 5.2     | 5.1        | 5.2     | 5.0     | 5.0        | 5.2       | 5.0            | 5.2              | 5.2              | 5.2              | 5.0              | 5.0              |
| Power-up mode                    |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a              | n/a              | n/a              | n/a              | n/a              |
| Acoustic Initialization Function | (%)                   | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a              | n/a              | n/a              | n/a              | n/a              |
| Initialization mode              |                       | n/a     | n/a        | n/a     | n/a     | n/a        | n/a       | n/a            | n/a              | n/a              | n/a              | n/a              | n/a              |
| Acoustic output freeze           |                       | Yes     | Yes        | Yes     | Yes     | Yes        | Yes       | Yes            | Yes              | Yes              | Yes              | Yes              | Yes              |
| $f_{ax}$                         | (mm)                  | 1.2     | 1.2        | 1.2     | 1.2     | 1.2        | 1.2       | 1.2            | 1.2              | 1.2              | 1.2              | 1.2              | 1.2              |
| Initiative modes                 | (mm)                  | contact | contact    | contact | contact | contact    | contact   | contact        | contact          | contact          | contact          | contact          | contact          |

|                             |        |
|-----------------------------|--------|
| Measurement uncertainty (%) | 25.00% |
| $p$                         | 37.14% |
| $f_p$                       | 18.75% |

Данные по акустической мощности

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|        | DATE | TIME | LOCATION | STATUS | REMARKS                                                                                                                                                        |
|--------|------|------|----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE 1 |      |      |          |        | Only one operating condition per trial.                                                                                                                        |
| NOTE 2 |      |      |          |        | Data should be obtained for all surfaces and below surface both in the columns related to TIS or TB.                                                           |
| NOTE 3 |      |      |          |        | TIS information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for permanent or noncritical uses.                                 |
| NOTE 4 |      |      |          |        | If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TIS, TB or TC.                                    |
| NOTE 5 |      |      |          |        | If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to IS.                                               |
| NOTE 6 |      |      |          |        | A "V" indicates void where a mechanical value was not entered. The assessment factors related to the holes have to be entered in the variable control section. |

| Display accuracy |                              |
|------------------|------------------------------|
| <i>MI</i>        | 20% or 0.2, whichever larger |
| <i>TI</i>        | 40% or 0.4, whichever larger |

NOTE 1: Only one operating condition per lot.

NOTE 2: Data should be entered for all surfaces and below surfaces both in the columns related to T18 or T20.

NOTE 3: Information must not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for laminated or noncoated organic cases.

NOTE 4: If the requirements of 201.12.4.3(a) are used, it is not required to enter any data in the columns related to T18, T19 or T20.

NOTE 5: If the requirements of 201.12.4.3(b) are used, it is not required to enter any data in the columns related to M1.

NOTE 6: "X" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_P$                       | 37.14% |
| $P_e$                       | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

Данные по акустической мощности

ARIETTA 50

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model     | Index Label                                                                  | MI   | MODE  |            |               | TTC   |
|----------------------|------------------------------------------------------------------------------|------|-------|------------|---------------|-------|
|                      |                                                                              |      | TTS   | at surface | below surface |       |
| Acoustic Parameters  | Maximum Index Value                                                          | 0.77 | 0.48  | 1.5        | 1.5           | 1.2   |
|                      | Index Component Value                                                        |      |       |            |               |       |
|                      | $P_{\text{ave}}$ (MPa)                                                       | 1.7  | 0.48  | 0.31       | 0.45          | 1.5   |
|                      | $P_{\text{pk}}$ (mW)                                                         | 20   | 20    | 19         | 19            | 19    |
|                      | $P_{\text{iso}}$ (mW)                                                        | 20   | 20    | 19         | 19            | 19    |
|                      | $z_1$ (cm)                                                                   |      |       | 1.3        |               | 0.70  |
|                      | $z_2$ (cm)                                                                   |      |       |            |               |       |
|                      | $z_{\text{ave}}$ (cm)                                                        | 1.9  |       |            |               |       |
|                      | $z_{\text{pk}}$ (cm)                                                         | 1.9  |       |            |               |       |
|                      | $f_{\text{ave}}$ (MHz)                                                       | 5.0  | 5.0   |            |               | 5.0   |
| Other Information    | $p_{\text{rr}}$ (Hz)                                                         | 814  |       |            |               |       |
|                      | $\eta_{\text{ave}}$ (Hz)                                                     | -    |       |            |               |       |
|                      | $\eta_{\text{pk}}$ (Hz)                                                      | -    |       |            |               |       |
|                      | $f_{\text{ave}}$ at $z_{\text{pk}}$ (W/cm <sup>2</sup> )                     | 163  |       |            |               |       |
|                      | $f_{\text{pk}}$ at $z_{\text{pk}}$ or $z_{\text{ave}}$ (mW/cm <sup>2</sup> ) | 96   |       |            |               |       |
|                      | $f_{\text{pk}}$ at $z_{\text{pk}}$ or $z_{\text{ave}}$ (mW/cm <sup>2</sup> ) | 212  |       |            |               |       |
|                      | $P_{\text{ave}}$ at $z_{\text{pk}}$ (MPa)                                    | 2.2  |       |            |               |       |
|                      | PWR%                                                                         | 100  | 100   | 100        | 100           | 100   |
|                      | Wave Mode                                                                    | Pw   | Pw    | Pw         | Pw            | Pw    |
|                      | Frequency (B)                                                                | n/a  | n/a   | n/a        | n/a           | n/a   |
| Operating Conditions | Focus (B)                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Scans (B)                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Range                                                                        | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | PRF Limit                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Line Density                                                                 | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Flow Mode                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Ref. Frequency (Color)                                                       | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Flow% (Color)                                                                | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Color Velocity Range                                                         | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Pocket Size                                                                  | n/a  | n/a   | n/a        | n/a           | n/a   |
| Flow Area Depth      | Color Line Density                                                           | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Pw Mode                                                                      | PW   | PW    | PW         | PW            | PW    |
|                      | High PRF                                                                     | OFF  | OFF   | OFF        | OFF           | OFF   |
|                      | Ref. Frequency (D)                                                           | Sld  | Sld   | Sld        | Sld           | Sld   |
|                      | Focus (D)                                                                    | F4   | F6    | F2         | F1            | F1    |
|                      | Display Velocity Range                                                       | 6.23 | 69.29 | 85.54      | 69.29         | 69.29 |
|                      | Sample gate size                                                             | 0.1  | 0.1   | 0.1        | 0.1           | 0.1   |
|                      | Sample gate depth                                                            | 1.6  | 4.4   | 0.4        | 0.0           | 0.0   |
|                      | Triplex Frame Rate                                                           | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Triplex VEL Range                                                            | n/a  | n/a   | n/a        | n/a           | n/a   |
| Flow Area Lock       | Flow Area Lock                                                               | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |

NOTE 1 Only one operating condition per index.  
NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.  
NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.  
NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TTB or TIC.  
NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.  
NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pk}}$             | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model     | Index Label                                                                  | MI   | MODE  |            |               | TTC   |
|----------------------|------------------------------------------------------------------------------|------|-------|------------|---------------|-------|
|                      |                                                                              |      | TTS   | at surface | below surface |       |
| Acoustic Parameters  | Maximum Index Value                                                          | 0.76 | 0.11  | 0.079      | 0.22          | 0.13  |
|                      | Index Component Value                                                        |      |       |            |               |       |
|                      | $P_{\text{ave}}$ (MPa)                                                       | 1.7  | 0.11  | 0.079      | 0.22          | 0.13  |
|                      | $P_{\text{pk}}$ (mW)                                                         | 5.5  | 5.5   | 5.5        | 5.5           | 5.5   |
|                      | $P_{\text{iso}}$ (mW)                                                        | 4.4  | 4.4   | 4.4        | 4.4           | 4.4   |
|                      | $z_1$ (cm)                                                                   |      |       | 1.5        |               | 2.2   |
|                      | $z_2$ (cm)                                                                   |      |       |            |               |       |
|                      | $z_{\text{ave}}$ (cm)                                                        | 2.4  |       |            |               |       |
|                      | $z_{\text{pk}}$ (cm)                                                         | 2.4  |       |            |               |       |
|                      | $f_{\text{ave}}$ (MHz)                                                       | 5.2  | 5.1   |            |               | 4.7   |
| Other Information    | $p_{\text{rr}}$ (Hz)                                                         | 1002 |       |            |               |       |
|                      | $\eta_{\text{ave}}$ (Hz)                                                     | -    |       |            |               |       |
|                      | $\eta_{\text{pk}}$ (Hz)                                                      | -    |       |            |               |       |
|                      | $f_{\text{ave}}$ at $z_{\text{pk}}$ (W/cm <sup>2</sup> )                     | 317  |       |            |               |       |
|                      | $f_{\text{pk}}$ at $z_{\text{pk}}$ or $z_{\text{ave}}$ (mW/cm <sup>2</sup> ) | 77   |       |            |               |       |
|                      | $f_{\text{pk}}$ at $z_{\text{pk}}$ or $z_{\text{ave}}$ (mW/cm <sup>2</sup> ) | 183  |       |            |               |       |
|                      | $P_{\text{ave}}$ at $z_{\text{pk}}$ (MPa)                                    | 2.6  |       |            |               |       |
|                      | PWR%                                                                         | 100  | 100   | 100        | 100           | 100   |
|                      | Wave Mode                                                                    | M    | M     | M          | M             | M     |
|                      | Frequency (B)                                                                | FND  | FND   | FND        | FND           | FND   |
| Operating Conditions | Focus (B)                                                                    | F4   | F8    | F4         | F4            | F7    |
|                      | Scans (B)                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Range                                                                        | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | PRF Limit                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Line Density                                                                 | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Flow Mode                                                                    | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Ref. Frequency (Color)                                                       | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Flow% (Color)                                                                | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Color Velocity Range                                                         | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Pocket Size                                                                  | n/a  | n/a   | n/a        | n/a           | n/a   |
| Flow Area Depth      | Color Line Density                                                           | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Pw Mode                                                                      | PW   | PW    | PW         | PW            | PW    |
|                      | High PRF                                                                     | OFF  | OFF   | OFF        | OFF           | OFF   |
|                      | Ref. Frequency (D)                                                           | Sld  | Sld   | Sld        | Sld           | Sld   |
|                      | Focus (D)                                                                    | F4   | F6    | F2         | F1            | F1    |
|                      | Display Velocity Range                                                       | 6.23 | 69.29 | 85.54      | 69.29         | 69.29 |
|                      | Sample gate size                                                             | 0.1  | 0.1   | 0.1        | 0.1           | 0.1   |
|                      | Sample gate depth                                                            | 1.6  | 4.4   | 0.4        | 0.0           | 0.0   |
|                      | Triplex Frame Rate                                                           | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      | Triplex VEL Range                                                            | n/a  | n/a   | n/a        | n/a           | n/a   |
| Flow Area Lock       | Flow Area Lock                                                               | n/a  | n/a   | n/a        | n/a           | n/a   |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |
|                      |                                                                              |      |       |            |               |       |

NOTE 1 Only one operating condition per index.  
NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TTB.  
NOTE 3 Information need not be provided regarding TIC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal cephalic uses.  
NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the column related to TTS, TTB or TIC.  
NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the column related to MI.  
NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\text{pk}}$             | 37.14% |
| $P_{\text{r}}$              | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{\mu}$                   | 37.14% |
| $n$                         | 18.75% |

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_p$                       | 37.14% |
| $p_e$                       | 18.75% |

NOTE: "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

index has to be entered in the operating control section.

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model       |                                     | C411.47RP(C)          |        | MODE       |       | B+Color/D-mode |       |        |               |     |
|------------------------|-------------------------------------|-----------------------|--------|------------|-------|----------------|-------|--------|---------------|-----|
| Index Label            |                                     | MI                    |        | TTS        |       | TTR            |       | TTC    |               |     |
| Maximum Index Value    |                                     | 0.77                  |        | at surface |       | at surface     |       | 1.1    |               |     |
| Index Component Value  |                                     | 0.49                  |        | 0.49       |       | 0.46           |       | 1.4    |               |     |
| Acoustic Parameters    | $P_{r,s}$                           | (MPa)                 | 1.7    |            |       |                |       |        |               |     |
|                        | $P_{r,s}$                           | (mW)                  |        |            |       |                |       |        |               |     |
|                        | $P_{r,s}$                           | (mW)                  |        | 21         |       | 20             |       | 20     |               |     |
|                        | $x_s$                               | (cm)                  |        | 21         |       | 20             |       |        |               |     |
|                        | $x_s$                               | (cm)                  |        |            | 1.3   |                | 0.70  |        |               |     |
|                        | $x_{s,r}$                           | (cm)                  | 1.9    |            |       |                |       |        |               |     |
| Other Information      | $f_{ref}$                           | (MHz)                 | D-4.99 |            |       |                |       |        | B-5.1,C-5,D-5 |     |
|                        | $f_{ref}$                           | (Hz)                  | 1230   |            |       |                |       |        |               |     |
|                        | $f_{ref}$                           | (Hz)                  |        | 0.78       |       |                |       |        |               |     |
|                        | $f_{ref}$                           | (W/cm <sup>2</sup> )  | 163    |            |       |                |       |        |               |     |
|                        | $f_{ref}$ at $x_{ref}$ or $x_{s,r}$ | (mW/cm <sup>2</sup> ) | 123    |            |       |                |       |        |               |     |
|                        | $f_{ref}$ at $x_{ref}$ or $x_{s,r}$ | (mW/cm <sup>2</sup> ) | 272    |            |       |                |       |        |               |     |
|                        | $f_{ref}$ at $x_{ref}$              | (MPa)                 | 2.2    |            |       |                |       |        |               |     |
|                        | PRF/Hz                              | (%)                   | 100    |            | 100   |                | 100   |        | 100           |     |
|                        | Operating Control Conditions        | Tx Mode               |        | B/Tone/Pw  |       |                |       |        |               |     |
|                        |                                     | Wave Mode             |        | FND        |       | FND            |       | FND    |               | FND |
|                        |                                     | Frequency (Hz)        |        |            | Std   |                | Std   |        | Std           |     |
|                        |                                     | Focus (D)             |        | F1         |       | F1             |       | F1     |               | F1  |
|                        |                                     | Scan/Hz (B)           |        |            | 25    |                | 25    |        | 25            |     |
|                        |                                     | Range                 |        |            | 8.0   |                | 8.0   |        | 3.0           |     |
| PRF Limit              |                                     | OFF                   |        | OFF        |       | OFF            |       | OFF    |               |     |
| Line Density           |                                     | Low                   |        | Low        |       | Medium         |       | Low    |               |     |
| Flare Mode             |                                     | offlow                |        | Flow       |       | Flow           |       | Flow   |               |     |
| Ref. Frequency (Color) |                                     |                       | Std    |            | Std   |                | Std   |        |               |     |
| Focus (Color)          |                                     | F8                    |        | F2         |       | F2             |       | F1     |               |     |
| Flare/Hz (Color)       |                                     |                       | 15     |            | 15    |                | 15    |        |               |     |
| Color Velocity Range   |                                     |                       | 0.63   |            | 56.92 |                | 69.29 |        |               |     |
| Pucklet Size           |                                     | Low                   |        | Low        |       | High           |       | Low    |               |     |
| Flare Area Depth       |                                     |                       | 14.0   |            | 8.0   |                | 2.5   |        |               |     |
| Color Line Density     |                                     |                       | 1      |            | 1     |                | 3     |        |               |     |
| High PRF               | Pw Mode                             |                       | PW     |            | PW    |                | PW    |        | PW            |     |
|                        | Ref. Frequency (D)                  |                       | OFF    |            | OFF   |                | OFF   |        | OFF           |     |
|                        | Focus (D)                           |                       | Std    |            | Std   |                | Std   |        | Std           |     |
|                        | Flare (D)                           |                       | F4     |            | F6    |                | F2    |        | F1            |     |
|                        | Dropper Velocity Range              |                       |        | 9.96       |       | 69.29          |       | 88.54  |               |     |
|                        | Sample gate size                    |                       | (cm)   | 0.1        |       | 0.1            |       | 0.1    |               |     |
|                        | Sample gate depth                   |                       | (cm)   | 0.1        |       | 0.1            |       | 0.1    |               |     |
|                        | Triples Frame Rate                  |                       |        | 1.6        |       | 4.4            |       | 0.4    |               |     |
|                        | Triples VFL Range                   |                       |        | Medium     |       | Medium         |       | Medium |               |     |
|                        | Flare Area Lock                     |                       | 100%   |            | 100%  |                | 100%  |        | 100%          |     |
|                        | Flare Area Lock                     |                       | OFF    |            | OFF   |                | OFF   |        | OFF           |     |

NOTE 1: Only use operating conditions per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TTS or TB.

NOTE 3: Information should not be provided regarding TTC for any TRANSDUCER ASSEMBLY not included for transcribed or nontranscribed asphaltes units.

NOTE 4: If the requirements of 201.12.4.20 are met, it is not required to enter any data in the columns related to TTS, TB or TTC.

NOTE 5: If the requirements of 201.12.4.20 are met, it is not required to enter any data in the columns related to MI.

NOTE 6: "N" indicates cells where a numerical value should be required. The equipment setting related to the index item to be entered in the writing control section.

C41147RP(L) Linear  
Acoustic power is controllable by the user.[illegible]

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model     | Index Label                                                | MT     | MODE       |               |            | TTC    |
|----------------------|------------------------------------------------------------|--------|------------|---------------|------------|--------|
|                      |                                                            |        | TSV        | MTB           | MTB        |        |
| Maximum Index Value  | Index Component Value                                      | 0.79   | at surface | below surface | at surface | 0.24   |
|                      |                                                            |        | 0.20       | 0.19          | 0.25       |        |
| Acoustic Parameters  | $P_{\text{avg}}$                                           | 1.8    |            |               |            |        |
|                      | $P_{\text{peak}}$                                          |        | 13         |               | 12         | 13     |
|                      | $P_{\text{rms}}$                                           |        | 8.0        |               | 7.5        |        |
|                      | $S_{\text{a}}$                                             |        |            | 1.1           |            |        |
|                      | $S_{\text{b}}$                                             |        |            |               | 2.1        |        |
|                      | $S_{\text{c}}$                                             | 1.9    |            |               |            |        |
|                      | $S_{\text{d}}$                                             | 1.9    |            |               |            |        |
| Other Information    | $f_{\text{avg}}$                                           | 5.3    | 5.2        | 5.4           |            | 5.2    |
|                      | $f_{\text{peak}}$                                          | 3001   |            |               |            |        |
|                      | $f_{\text{rms}}$                                           | 100    |            |               |            |        |
|                      | $f_{\text{peak}}$ at $f_{\text{avg}}$                      | 1.0    |            |               |            |        |
|                      | $f_{\text{peak}}$ at $f_{\text{peak}}$ or $f_{\text{avg}}$ | 301    |            |               |            |        |
|                      | $f_{\text{peak}}$ at $f_{\text{peak}}$ or $f_{\text{avg}}$ | 38     |            |               |            |        |
|                      | $f_{\text{peak}}$ at $f_{\text{peak}}$ or $f_{\text{avg}}$ | 74     |            |               |            |        |
|                      | $P_{\text{a}}$ at $f_{\text{avg}}$                         | 2.4    |            |               |            |        |
|                      | $P_{\text{b}}$ at $f_{\text{avg}}$                         |        |            |               |            |        |
|                      | $P_{\text{c}}$ at $f_{\text{avg}}$                         |        |            |               |            |        |
| Operating Conditions | TS Mode                                                    | 100    | 100        | 100           | 100        | 100    |
|                      | Wave Mode                                                  | B/M    | B/M        | B/M           | B/M        | B/M    |
|                      | Frequency (B)                                              | FND    | FND        | FND           | FND        | FND    |
|                      | Focus (B)                                                  | F4     | F5         | F5            | F5         | F5     |
|                      | Scans (B)                                                  | 100    | 25         | 25            | 25         | 25     |
|                      | Range                                                      | 17.0   | 2.5        | 4.0           | 4.0        | 2.5    |
|                      | PRF Limit                                                  | ON     | OFF        | OFF           | OFF        | OFF    |
|                      | Line Density                                               | Low    | Medium     | High          | High       | Medium |
|                      | Flow Mode                                                  | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Ref. Frequency (Color)                                     | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Focus (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Flow% (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Color Velocity Range                                       | (cm/s) | n/a        | n/a           | n/a        | n/a    |
|                      | Picket Size                                                | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Flow Area Depth                                            | (cm)   | n/a        | n/a           | n/a        | n/a    |
|                      | Color Line Density                                         | (cm)   | n/a        | n/a           | n/a        | n/a    |
|                      | Flow Mode                                                  | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | High PRF                                                   | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Ref. Frequency (D)                                         | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Focus (D)                                                  | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Display Velocity Range                                     | (cm/s) | n/a        | n/a           | n/a        | n/a    |
|                      | Sample gate size                                           | (cm)   | n/a        | n/a           | n/a        | n/a    |
|                      | Sample gate depth                                          | (cm)   | n/a        | n/a           | n/a        | n/a    |
|                      | Triplets Frame Rate                                        | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Triplets VEL Range                                         | n/a    | n/a        | n/a           | n/a        | n/a    |
|                      | Flow Area Lock                                             | n/a    | n/a        | n/a           | n/a        | n/a    |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TSV or TTB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTB, TTB or TTC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P_{\text{a}}$              | 25.00% |  |
| $P_{\text{b}}$              | 37.14% |  |
| $P_{\text{c}}$              | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MT               | 20% or 0.2, whichever larger |  |
| TT               | 40% or 0.4, whichever larger |  |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model     | Index Label                                                | MT     | MODE       |               |            | TTC  |
|----------------------|------------------------------------------------------------|--------|------------|---------------|------------|------|
|                      |                                                            |        | TSV        | MTB           | MTB        |      |
| Maximum Index Value  | Index Component Value                                      | 0.79   | at surface | below surface | at surface | 0.25 |
|                      |                                                            |        | 0.21       | 0.21          | 0.21       |      |
| Acoustic Parameters  | $P_{\text{avg}}$                                           | 1.8    |            |               |            |      |
|                      | $P_{\text{peak}}$                                          |        | 14         |               | 14         | 14   |
|                      | $P_{\text{rms}}$                                           |        | 8.5        |               | 8.5        |      |
|                      | $S_{\text{a}}$                                             |        |            | -             |            |      |
|                      | $S_{\text{b}}$                                             |        |            |               | 1.5        |      |
|                      | $S_{\text{c}}$                                             | 1.9    |            |               |            |      |
|                      | $S_{\text{d}}$                                             | 1.9    |            |               |            |      |
| Other Information    | $f_{\text{avg}}$                                           | 5.3    | 5.2        | 5.2           |            | 5.2  |
|                      | $f_{\text{peak}}$                                          | 2650   |            |               |            |      |
|                      | $f_{\text{rms}}$                                           | 106    |            |               |            |      |
|                      | $f_{\text{peak}}$ at $f_{\text{avg}}$                      | 1.0    |            |               |            |      |
|                      | $f_{\text{peak}}$ at $f_{\text{peak}}$ or $f_{\text{avg}}$ | 301    |            |               |            |      |
|                      | $f_{\text{peak}}$ at $f_{\text{peak}}$ or $f_{\text{avg}}$ | 2.0    |            |               |            |      |
|                      | $f_{\text{peak}}$ at $f_{\text{peak}}$ or $f_{\text{avg}}$ | 4.1    |            |               |            |      |
|                      | $P_{\text{a}}$ at $f_{\text{avg}}$                         | 2.4    |            |               |            |      |
|                      | $P_{\text{b}}$ at $f_{\text{avg}}$                         |        |            |               |            |      |
|                      | $P_{\text{c}}$ at $f_{\text{avg}}$                         |        |            |               |            |      |
| Operating Conditions | TS Mode                                                    | B      | 100        | 100           | 100        | 100  |
|                      | Wave Mode                                                  | FND    | FND        | FND           | FND        | FND  |
|                      | Frequency (B)                                              | Std    | Std        | Std           | Std        | Std  |
|                      | Focus (B)                                                  | F4     | F3         | F3            | F3         | F3   |
|                      | Scans (B)                                                  | 100    | 25         | 25            | 25         | 25   |
|                      | Range                                                      | 17.0   | 2.0        | 2.0           | 2.0        | 2.0  |
|                      | PRF Limit                                                  | ON     | OFF        | OFF           | OFF        | OFF  |
|                      | Line Density                                               | Low    | High       | High          | High       | High |
|                      | Flow Mode                                                  | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Ref. Frequency (Color)                                     | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Focus (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Flow% (Color)                                              | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Color Velocity Range                                       | (cm/s) | n/a        | n/a           | n/a        | n/a  |
|                      | Picket Size                                                | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Flow Area Depth                                            | (cm)   | n/a        | n/a           | n/a        | n/a  |
|                      | Color Line Density                                         | (cm)   | n/a        | n/a           | n/a        | n/a  |
|                      | Flow Mode                                                  | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | High PRF                                                   | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Ref. Frequency (D)                                         | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Focus (D)                                                  | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Display Velocity Range                                     | (cm/s) | n/a        | n/a           | n/a        | n/a  |
|                      | Sample gate size                                           | (cm)   | n/a        | n/a           | n/a        | n/a  |
|                      | Sample gate depth                                          | (cm)   | n/a        | n/a           | n/a        | n/a  |
|                      | Triplets Frame Rate                                        | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Triplets VEL Range                                         | n/a    | n/a        | n/a           | n/a        | n/a  |
|                      | Flow Area Lock                                             | n/a    | n/a        | n/a           | n/a        | n/a  |

NOTE 1: Only one operating condition per index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TSV or TTB.

NOTE 3: Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial cephalic uses.

NOTE 4: If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTB, TTB or TTC.

NOTE 5: If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MT.

NOTE 6: "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |  |
|-----------------------------|--------|--|
| $P_{\text{a}}$              | 25.00% |  |
| $P_{\text{b}}$              | 37.14% |  |
| $P_{\text{c}}$              | 18.75% |  |

| Display accuracy |                              |  |
|------------------|------------------------------|--|
| MT               | 20% or 0.2, whichever larger |  |
| TT               | 40% or 0.4, whichever larger |  |

| Display accuracy |                              |
|------------------|------------------------------|
| MT               | 20% or 0.2, whichever larger |
| TT               | 40% or 0.4, whichever larger |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Данные по акустической мощности

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Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model      |                                                           | C41L47RPL |  | MODE   |  |            | B/PWD-mode |               |  |
|-----------------------|-----------------------------------------------------------|-----------|--|--------|--|------------|------------|---------------|--|
| Index Label           |                                                           | MI        |  | TTS    |  | TIB        |            | TTC           |  |
| Maximum Index Value   |                                                           | 0.79      |  | 0.25   |  | at surface |            | below surface |  |
| Index Component Value |                                                           |           |  | 0.25   |  | 0.19       |            | 0.79          |  |
| Acoustic Parameters   | $P_{avg}$ (MPa)                                           | 1.8       |  |        |  |            |            |               |  |
|                       | $P_{1st}$ (mW)                                            |           |  | 11     |  | 11         |            | 11            |  |
|                       | $F_{avg}$ (mW)                                            |           |  | 10     |  | 10         |            | 10            |  |
|                       | $F_{1st}$ (cm)                                            |           |  | 0.85   |  |            |            | 1.8           |  |
|                       | $F_{avg}$ (cm)                                            |           |  |        |  |            |            |               |  |
|                       | $x_{std}$ (cm)                                            | 1.9       |  |        |  |            |            |               |  |
|                       | $x_{std}$ (cm)                                            | 1.9       |  |        |  |            |            |               |  |
|                       | $f_{avg}$ (MHz)                                           | B-5.33    |  |        |  |            |            |               |  |
|                       | $f_{avg}$ (Hz)                                            | 8971      |  |        |  |            |            |               |  |
|                       | $n_{avg}$                                                 | 62        |  |        |  |            |            |               |  |
| Other Information     | $I_{avg}$ at $x_{avg}$ (W/cm <sup>2</sup> )               | 301       |  |        |  |            |            |               |  |
|                       | $I_{avg}$ at $x_{avg}$ or $x_{std}$ (mW/cm <sup>2</sup> ) | 66        |  |        |  |            |            |               |  |
|                       | $I_{avg}$ at $x_{avg}$ or $x_{std}$ (mW/cm <sup>2</sup> ) | 278       |  |        |  |            |            |               |  |
|                       | $P_{1st}$ at $f_{avg}$ (MPa)                              | 2.4       |  |        |  |            |            |               |  |
|                       | PRF%                                                      | 100       |  | 100    |  | 100        |            | 100           |  |
|                       | Tx Mode                                                   | B/Pw      |  | B/Pw   |  | B/Pw       |            | B/Pw          |  |
|                       | Wave Mode                                                 | FND       |  | FND    |  | FND        |            | FND           |  |
|                       | Frequency (B)                                             | Std       |  | Std    |  | Std        |            | Std           |  |
|                       | Focus (B)                                                 | F4        |  | F1     |  | F1         |            | F1            |  |
|                       | Scan (B)                                                  | 25        |  | 25     |  | 25         |            | 25            |  |
| Operating Conditions  | Range                                                     | 12.0      |  | 2.0    |  | 4.5        |            | 2.0           |  |
|                       | PRF Limit                                                 | OFF       |  | OFF    |  | OFF        |            | OFF           |  |
|                       | Line Density                                              | High      |  | High   |  | Medium     |            | Medium        |  |
|                       | Flow Mode                                                 | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Ref. Frequency (Color)                                    | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Flow% (Color)                                             | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Color Velocity Range                                      | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Picket Size                                               | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Flow Area Depth                                           | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Color Line Density                                        | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
| Pw Mode               | Ref. Frequency (D)                                        | PW        |  | PW     |  | PW         |            | PW            |  |
|                       | Focus (D)                                                 | Std       |  | Std    |  | Std        |            | Std           |  |
|                       | Display Velocity Range                                    | 83.88     |  | 144.89 |  | 138.59     |            | 83.88         |  |
|                       | Sample gate size                                          | 0.1       |  | 0.1    |  | 0.1        |            | 0.1           |  |
|                       | Sample gate depth                                         | 4.0       |  | 1.0    |  | 2.0        |            | 0.0           |  |
|                       | Triplets Frame Rate                                       | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Triplets VDI Range                                        | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Flow Area Lock                                            | n/a       |  | n/a    |  | n/a        |            | n/a           |  |
|                       | Flow Area Lock                                            | n/a       |  | n/a    |  | n/a        |            | n/a           |  |

NOTE 1: Only use these tags:   
NOTE 2: Data should be entered for all surface and below surface both in the columns related to TIB or TB.   
NOTE 3: Information need not be provided: operating TIC for any TRANSDUCER ASSEMBLY not intended for transcutaneous or noncutaneous epigastric uses.   
NOTE 4: If the requirements of 201, 12.4.24) are met, it is not required to enter any data in the columns related to TTS, TB or TIC.   
NOTE 5: If the requirements of 201, 12.4.24) are met, it is not required to enter any data in the columns related to MI.   
NOTE 6: "n/a" indicate cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal duplicate uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{avg}$                   | 37.14% |
| $F_{avg}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |

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Table 201.103 – Acoustic output reporting table (IEC 60601-3-37 Ed.2 Amd.1)

| Transducer Model             | C41L47RPL                                                 | MODE  |       |       |       | M+Color-mode |
|------------------------------|-----------------------------------------------------------|-------|-------|-------|-------|--------------|
| Index Label                  |                                                           | Mf    | TTS   | TIB   | TTC   |              |
| Maximum Index Value          |                                                           | 0.67  | 0.24  | 0.77  | 0.53  |              |
| Index Component Value        |                                                           |       | 0.24  | 0.24  | 0.77  |              |
| Acoustic Parameters          | $P_{avg}$ (MPa)                                           | 1.5   |       |       |       |              |
|                              | $P_{std}$ (mW)                                            |       | 9.8   |       | 9.3   |              |
|                              | $F_{avg}$ (mW)                                            |       | 9.8   |       | 9.7   |              |
|                              | $F_{std}$ (cm)                                            |       | 1.3   |       | 1.8   |              |
|                              | $F_{std}$ (cm)                                            | 1.9   |       |       |       |              |
|                              | $f_{avg}$ (MHz)                                           | 5.1   |       |       |       |              |
| Other Information            | $f_{std}$ (Hz)                                            | 1628  |       |       | 5.1   |              |
|                              | $n_{avg}$ (Hz)                                            | -     |       |       |       |              |
|                              | $n_{std}$ (Hz)                                            | -     |       |       |       |              |
|                              | $I_{avg}$ at $x_{avg}$ or $x_{std}$ (W/cm <sup>2</sup> )  | 151   |       |       |       |              |
|                              | $I_{std}$ at $x_{avg}$ or $x_{std}$ (mW/cm <sup>2</sup> ) | 126   |       |       |       |              |
|                              | $F_{avg}$ at $x_{avg}$ or $x_{std}$ (mW/cm <sup>2</sup> ) | 260   |       |       |       |              |
| Operating Control Conditions | $P_{avg}$ at $x_{avg}$ (MPa)                              | 2.0   |       |       |       |              |
|                              | PRF%                                                      | 100   | 100   | 100   | 100   |              |
|                              | Tx Mode                                                   | M/Pw  | M/Pw  | M/Pw  | M/Pw  |              |
|                              | Wave Mode                                                 | n/a   | n/a   | n/a   | n/a   |              |
|                              | Frequency (B)                                             | n/a   | n/a   | n/a   | n/a   |              |
|                              | Focus (B)                                                 | n/a   | n/a   | n/a   | n/a   |              |
|                              | Range                                                     | n/a   | n/a   | n/a   | n/a   |              |
|                              | PRF Limit                                                 | 17.0  | 4.5   | 4.5   | 2.0   |              |
|                              | Line Density                                              | n/a   | n/a   | n/a   | n/a   |              |
|                              | Flow Mode                                                 | n/a   | n/a   | n/a   | n/a   |              |
|                              | Ref. Frequency (Color)                                    | Std   | Std   | Std   | Std   |              |
|                              | Flow% (Color)                                             | F5    | F6    | F5    | F1    |              |
|                              | Color Velocity Range                                      | 12.45 | 49.80 | 56.92 | 75.89 |              |
|                              | Picket Size                                               | n/a   | n/a   | n/a   | n/a   |              |
|                              | Flow Area Depth                                           | 17.0  | 17.0  | 17.0  | 17.0  |              |
|                              | Color Line Density                                        | n/a   | n/a   | n/a   | n/a   |              |
|                              | Pw Mode                                                   | n/a   | n/a   | n/a   | n/a   |              |
| High PRF                     | n/a                                                       | n/a   | n/a   | n/a   |       |              |
| Ref. Frequency (D)           | n/a                                                       | n/a   | n/a   | n/a   |       |              |
| Focus (D)                    | n/a                                                       | n/a   | n/a   | n/a   |       |              |
| Display Velocity Range       | n/a                                                       | n/a   | n/a   | n/a   |       |              |
| Sample gate size             | cm                                                        | n/a   | n/a   | n/a   |       |              |
| Sample gate depth            | cm                                                        | n/a   | n/a   | n/a   |       |              |
| Triplets Frame Rate          | n/a                                                       | n/a   | n/a   | n/a   |       |              |
| Triplets VDI Range           | n/a                                                       | n/a   | n/a   | n/a   |       |              |
| Flow Area Lock               | n/a                                                       | n/a   | n/a   | n/a   |       |              |

NOTE 1: Only one operating condition per Index.

NOTE 2: Data should be entered for all surface and below surface both in the columns related to TIS or TIB.

NOTE 3: Information need not be entered for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial applications.

NOTE 4: If the requirements of 201 (12.4.2.20) are met, it is not required to enter any data in the column related to TIS, TIB or TIC.

NOTE 5: If the requirements of 201 (12.4.2.20) are met, it is not required to enter any data in the column related to IM.

NOTE 6: "-" indicates cells where a numerical value should be entered. This equipment setting related to the Index has to be entered in the operating control section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal duplicate uses.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "n/a" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $I_{avg}$                   | 37.14% |
| $F_{avg}$                   | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TI               | 40% or 0.4, whichever larger |



Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model             |                                                                   | C41L47RPL(L) |        | MODE           |        | B+Color/D-mode |        |                |  |
|------------------------------|-------------------------------------------------------------------|--------------|--------|----------------|--------|----------------|--------|----------------|--|
| Index Label                  |                                                                   | MI           |        | TTS            |        | TIB            |        | TTC            |  |
| Maximum Index Value          |                                                                   | 0.79         |        | 0.26           |        | 0.81           |        | 0.57           |  |
| Index Component Value        |                                                                   | 1.8          |        | 0.26           |        | 0.21           |        | 0.81           |  |
| Acoustic Parameters          | $P_{\text{avg}}$ (MPa)                                            | 1.8          |        |                |        |                |        |                |  |
|                              | $P_{\text{avg}}$ (mW)                                             | 11           |        | 11             |        | 10             |        | 11             |  |
|                              | $P_{\text{avg}}$ (mW)                                             | 11           |        | 11             |        | 10             |        | 11             |  |
|                              | $z_{\text{avg}}$ (cm)                                             | 0.76         |        |                |        |                |        | 1.8            |  |
|                              | $z_{\text{avg}}$ (cm)                                             | 1.9          |        |                |        |                |        |                |  |
|                              | $z_{\text{avg}}$ (cm)                                             | 1.9          |        |                |        |                |        |                |  |
| Other Information            | $f_{\text{avg}}$ (MHz)                                            | B-5.33       |        | B-5.33,1,D-5.1 |        | B-5.33,1,D-5.1 |        | B-5.33,1,D-5.1 |  |
|                              | $f_{\text{avg}}$ (Hz)                                             | 8916         |        |                |        |                |        |                |  |
|                              | $f_{\text{avg}}$ (Hz)                                             | 13           |        |                |        |                |        |                |  |
|                              | $R_{\text{avg}}$                                                  | B-1, C-9     |        |                |        |                |        |                |  |
|                              | $I_{\text{avg}}$ at $x_{\text{avg}}$ or $z_{\text{avg}}$ (W/cm²)  | 301          |        |                |        |                |        |                |  |
|                              | $I_{\text{avg}}$ at $x_{\text{avg}}$ or $z_{\text{avg}}$ (mW/cm²) | 72           |        |                |        |                |        |                |  |
| Operating Control Conditions | $I_{\text{avg}}$ at $x_{\text{avg}}$ or $z_{\text{avg}}$ (mW/cm²) | 304          |        |                |        |                |        |                |  |
|                              | $P_{\text{avg}}$ at $f_{\text{avg}}$ (MPa)                        | 2.4          |        |                |        |                |        |                |  |
|                              | PRF%                                                              | 100          |        | 100            |        | 100            |        | 100            |  |
|                              | Tx Mode                                                           | B+Flow/Pw    |        | B+Flow/Pw      |        | B+Flow/Pw      |        | B+Flow/Pw      |  |
|                              | Wave Mode                                                         | PND          |        | PND            |        | PND            |        | PND            |  |
|                              | Frequency (B)                                                     | Std          |        | Std            |        | Std            |        | Std            |  |
|                              | Focus (B)                                                         | F4           |        | F1             |        | F3             |        | F1             |  |
|                              | Scan's (B)                                                        | 27           |        | 25             |        | 25             |        | 25             |  |
|                              | Range                                                             | 6.0          |        | 2.0            |        | 4.0            |        | 2.0            |  |
|                              | PRF Limit                                                         | OFF          |        | OFF            |        | OFF            |        | OFF            |  |
|                              | Line Density                                                      | Low          |        | Medium         |        | Flow           |        | Low            |  |
|                              | Flow Mode                                                         | Flow         |        | Flow           |        | Flow           |        | Flow           |  |
|                              | Ref. Frequency (Color)                                            | Std          |        | Std            |        | Std            |        | Std            |  |
|                              | Focus (Color)                                                     | F4           |        | F2             |        | F3             |        | F1             |  |
|                              | Plane's (Color)                                                   | 15           |        | 15             |        | 15             |        | 15             |  |
|                              | Color Velocity Range                                              | 39.84        |        | 69.29          |        | 61.30          |        | 75.89          |  |
|                              | Packet Size                                                       | Low          |        | High           |        | Low            |        | Low            |  |
|                              | Flow Area Depth                                                   | 6.0          |        | 2.0            |        | 4.0            |        | 2.0            |  |
| Color Line Density           | 1                                                                 |              | 3      |                | 1      |                | 1      |                |  |
| Pw Mode                      | PW                                                                |              | PW     |                | PW     |                | PW     |                |  |
| High PRF                     | OFF                                                               |              | OFF    |                | OFF    |                | OFF    |                |  |
| Ref. Frequency (D)           | Std                                                               |              | Std    |                | Std    |                | Std    |                |  |
| Focus (D)                    | F7                                                                |              | F2     |                | F5     |                | F1     |                |  |
| Doppler Velocity Range       | 75.89                                                             |              | 69.29  |                | 138.59 |                | 83.88  |                |  |
| Sample gate size             | 0.1                                                               |              | 0.1    |                | 0.1    |                | 0.1    |                |  |
| Sample gate depth            | 0.1                                                               |              | 0.1    |                | 0.1    |                | 0.1    |                |  |
| Triplets Frame Rate          | 4.0                                                               |              | 0.4    |                | 2.0    |                | 0.0    |                |  |
| Triplets VCL Range           | Medium                                                            |              | Medium |                | Medium |                | Medium |                |  |
| Triplets VCL Range           | B+Flow                                                            |              | B+Flow |                | B+Flow |                | B+Flow |                |  |
| Flow Area Lock               | OFF                                                               |              | OFF    |                | OFF    |                | OFF    |                |  |

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for at index and below surface both in the columns related to TTS or TIB.

NOTE 3 Information need not be provided regarding TTC for any TRANSDUCER ASSEMBLY not intended for transcranial or noncranial Doppler scans.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TCC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to TTS.

NOTE 6 "v" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the below writing control section.

NOTE 1 Only one operating condition per index.

NOTE 2 Data should be entered for all surface and below surface both in the columns related to TTS or TIB.

NOTE 3 Information must be provided for all parameters for any TRANSDUCER ASSEMBLY not intended for transcranial or neonatal applications.

NOTE 4 If the requirements of 201.12.4.2(a) are met, it is not required to enter any data in the columns related to TTS, TIB or TTC.

NOTE 5 If the requirements of 201.12.4.2(b) are met, it is not required to enter any data in the columns related to MI.

NOTE 6 "-" indicates cells where a numerical value should be entered. The equipment setting related to the index has to be entered in the operating control section.

| Measurement uncertainty (%) |        |
|-----------------------------|--------|
| $P$                         | 25.00% |
| $f_{\text{avg}}$            | 37.14% |
| $P_{\text{avg}}$            | 18.75% |

| Display accuracy |                              |
|------------------|------------------------------|
| MI               | 20% or 0.2, whichever larger |
| TTS              | 40% or 0.4, whichever larger |

Table 201.103 – Acoustic output reporting table (IEC 60601-2-37 Ed.2 Amd.1)

| Transducer Model                                                                                                                                              |                                              | C41L47RPL |       | MODE         |       | B+C-Color-mode |       |              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------|-------|--------------|-------|----------------|-------|--------------|--|
| Index Label                                                                                                                                                   |                                              | MI        |       | TTS          |       | TIB            |       | TTC          |  |
| Maximum Index Value                                                                                                                                           |                                              | 0.79      |       | 0.30         |       | at surface     |       | 0.32         |  |
| Index Component Value                                                                                                                                         |                                              | 1.8       |       | 0.30         |       | below surface  |       | 0.30         |  |
| Acoustic Parameters                                                                                                                                           | $P_{avg}$ (MPa)                              | 1.8       |       |              |       |                |       |              |  |
|                                                                                                                                                               | $P_{avg}$ (mW)                               |           |       | 15           |       | 15             |       | 15           |  |
|                                                                                                                                                               | $P_{avg}$ (mW)                               |           |       | 12           |       | 12             |       |              |  |
|                                                                                                                                                               | $z_{avg}$ (cm)                               |           |       |              |       |                |       |              |  |
|                                                                                                                                                               | $z_{avg}$ (cm)                               |           |       |              |       |                |       |              |  |
|                                                                                                                                                               | $z_{avg}$ (cm)                               | 1.9       |       |              |       |                |       |              |  |
| Other Information                                                                                                                                             | $f_{avg}$ (MHz)                              | B-5.33    |       | B-5.2, C-5.1 |       | B-5.2, C-5.1   |       | B-5.2, C-5.1 |  |
|                                                                                                                                                               | $f_{avg}$ (Hz)                               | 5027      |       |              |       |                |       |              |  |
|                                                                                                                                                               | $f_{avg}$ (Hz)                               | 85        |       |              |       |                |       |              |  |
|                                                                                                                                                               | $R_{avg}$                                    | B-1, C-9  |       |              |       |                |       |              |  |
|                                                                                                                                                               | $f_{avg}$ at $x_{avg}$ or $z_{avg}$ (W/cm²)  | 301       |       |              |       |                |       |              |  |
|                                                                                                                                                               | $f_{avg}$ at $x_{avg}$ or $z_{avg}$ (mW/cm²) | 31        |       |              |       |                |       |              |  |
| Operating Conditions                                                                                                                                          | $f_{avg}$ at $x_{avg}$ or $z_{avg}$ (mW/cm²) | 43        |       |              |       |                |       |              |  |
|                                                                                                                                                               | $P_{avg}$ at $f_{avg}$ (MPa)                 | 2.4       |       |              |       |                |       |              |  |
|                                                                                                                                                               | PRF%                                         | 100       |       | 100          |       | 100            |       | 100          |  |
|                                                                                                                                                               | Tx Mode                                      | B+Flow    |       | B+Flow       |       | B+Flow         |       | B+Flow       |  |
|                                                                                                                                                               | Wave Mode                                    | PND       |       | PND          |       | PND            |       | PND          |  |
|                                                                                                                                                               | Frequency (B)                                | Std       |       | Std          |       | Std            |       | Std          |  |
|                                                                                                                                                               | Focus (B)                                    | F4        |       | F3           |       | F3             |       | F3           |  |
|                                                                                                                                                               | Scan's (B)                                   | 25        |       | 25           |       | 25             |       | 25           |  |
|                                                                                                                                                               | Range                                        | 12.0      |       | 2.0          |       | 2.0            |       | 2.0          |  |
|                                                                                                                                                               | PRF Limit                                    | OFF       |       | OFF          |       | OFF            |       | OFF          |  |
|                                                                                                                                                               | Line Density                                 | Low       |       | High         |       | High           |       | High         |  |
|                                                                                                                                                               | Flow Mode                                    | Flow      |       | Flow         |       | Flow           |       | Flow         |  |
|                                                                                                                                                               | Ref. Frequency (Color)                       | Std       |       | Std          |       | Std            |       | Std          |  |
|                                                                                                                                                               | Focus (Color)                                | F7        |       | F3           |       | F3             |       | F3           |  |
| Flow's (Color)                                                                                                                                                | 15                                           |           | 15    |              | 15    |                | 15    |              |  |
| Color Velocity Range                                                                                                                                          | (cm/s)                                       |           | 72.44 |              | 72.44 |                | 72.44 |              |  |
| Packet Size                                                                                                                                                   | Low                                          |           | High  |              | High  |                | High  |              |  |
| Flow Area Depth                                                                                                                                               | 12.0                                         |           | 2.0   |              | 2.0   |                | 2.0   |              |  |
| Color Line Density                                                                                                                                            | 1                                            |           | 3     |              | 3     |                | 3     |              |  |
| Pw Mode                                                                                                                                                       | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| High PRF                                                                                                                                                      | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| Ref. Frequency (D)                                                                                                                                            | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| Focus (D)                                                                                                                                                     | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| Doppler Velocity Range                                                                                                                                        | (cm/s)                                       |           | n/a   |              | n/a   |                | n/a   |              |  |
| Sample gate size                                                                                                                                              | (cm)                                         |           | n/a   |              | n/a   |                | n/a   |              |  |
| Sample gate depth                                                                                                                                             | (cm)                                         |           | n/a   |              | n/a   |                | n/a   |              |  |
| Triplep. Frame Rate                                                                                                                                           | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| Triplep. VELL Range                                                                                                                                           | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| Flow Area Lock                                                                                                                                                | n/a                                          |           | n/a   |              | n/a   |                | n/a   |              |  |
| NOTE 1 Only one operating condition per index.                                                                                                                |                                              |           |       |              |       |                |       |              |  |
| NOTE 2 Data must be entered for all surface and below surface both in the columns related to TTS or TIB.                                                      |                                              |           |       |              |       |                |       |              |  |
| NOTE 3 Information not be provided for any TRANSDUCER ASSEMBLY and Flow for transponder or resonant acoustic users.                                           |                                              |           |       |              |       |                |       |              |  |
| NOTE 4 If the requirement of 25 (12.4.2b) are not required, any other value is the value related to TTS, TIB or TTC.                                          |                                              |           |       |              |       |                |       |              |  |
| NOTE 5 If the requirement of 25 (12.4.2b) are met, it is not required to enter any data in the column related to MI.                                          |                                              |           |       |              |       |                |       |              |  |
| NOTE 6 "-" indicates cells where a numerical value should be entered. This equipment's related to the index has to be entered in the working control section. |                                              |           |       |              |       |                |       |              |  |

## (6) Независимые «карандашные» датчики

Acoustic output data in accordance with IEC 61157/4.2.2, accompanying literature

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UST-2265-2

Acoustic power is controllable by the user

Independent

| parameter                        | Mode                  | CWD       |
|----------------------------------|-----------------------|-----------|
| Maximum power                    | (mW)                  | 68.3      |
| $P_r$                            | (dB)                  | 0.123     |
| $I_{a0}$                         | (mW/cm <sup>2</sup> ) | 91.3      |
| $I_{a0}$                         | (mW/cm <sup>2</sup> ) | 525.0     |
| PWR%                             | (%)                   | 100       |
| Tx Mode                          |                       | Cw        |
| Wave Mode                        |                       | n/a       |
| Frequency (B)                    |                       | n/a       |
| Focus (B)                        |                       | n/a       |
| Scan% (B)                        | (%)                   | n/a       |
| Range                            | (cm)                  | n/a       |
| PRF Limit                        |                       | n/a       |
| Line Density                     |                       | n/a       |
| Flow Mode                        |                       | n/a       |
| Ref. Frequency (Color)           |                       | n/a       |
| Focus (Color)                    |                       | n/a       |
| Flow% (Color)                    |                       | n/a       |
| Color Velocity Range             | (%)                   | n/a       |
| Packet Size                      | (cm/s)                | n/a       |
| Flow Area Depth                  | (cm)                  | n/a       |
| Color Line Density               |                       | n/a       |
| Pw Mode                          |                       | n/a       |
| High PRF                         |                       | n/a       |
| Ref. Frequency (D)               |                       | n/a       |
| Focus (D)                        |                       | Fixed     |
| Doppler Velocity Range           | (cm/s)                | n/a       |
| Sample gate size                 | (cm)                  | n/a       |
| Sample gate depth                | (cm)                  | n/a       |
| Triplets Frame Rate              |                       | n/a       |
| Triplex VTL Range                |                       | n/a       |
| Flow Area Lock                   |                       | n/a       |
| $r_{p0}$                         | (mm)                  | 30.8      |
| $r_{p0}$                         | ( $\beta$ )           | 5.38      |
| $r_{p0}$                         | ( $\perp$ )           | 4.10      |
| prf (PRF)                        | (Hz)                  | n/a       |
| prf (SRF)                        | (Hz)                  | n/a       |
| $r_{p0}$                         |                       | n/a       |
| $r_{p0}$                         |                       | n/a       |
| Output beam dimensions           | ( $\beta$ ) (mm)      | 14 Dia./2 |
| $r_{p0}$                         | ( $\perp$ ) (mm)      | 14 Dia.   |
| $r_{p0}$                         | (MHz)                 | 1.98      |
| Acoustic Power-up fraction       | (%)                   | n/a       |
| Power-up mode                    |                       | n/a       |
| Acoustic Initialization fraction | (%)                   | n/a       |
| Initialization mode              |                       | n/a       |
| Acoustic output freeze           |                       | Yes       |
| $r_{p0}$                         | (mm)                  | 0.00      |
| Inclusive modes                  | (mm)                  | contact   |

| measurement uncertainty (%) |
|-----------------------------|
| $P_r$                       |
| $I_{a0}$                    |
| $r_{p0}$                    |

Данные по акустической мощности

| measurement uncertainty (%) |        |
|-----------------------------|--------|
| $p$                         | 25.00% |
| $I_{\text{ph}}$             | 37.14% |



| Название модели | Тип датчика                | Максимальная температура поверхности (испытание с моделированием эксплуатации) (°C) |
|-----------------|----------------------------|-------------------------------------------------------------------------------------|
| L442            | Для наружного применения   | < 43                                                                                |
| L55             | Для наружного применения   | < 43                                                                                |
| L64             | Для наружного применения   | < 43                                                                                |
| L53K            | Для инвазивного применения | < 43                                                                                |
| S11             | Для наружного применения   | < 43                                                                                |
| S31             | Для наружного применения   | < 43                                                                                |
| VC35            | Для наружного применения   | < 43                                                                                |
| VC41V           | Для инвазивного применения | < 43                                                                                |
| C41L47RP (CV)   | Для инвазивного применения | < 43                                                                                |
| C41L47RP (LN)   | Для инвазивного применения | < 43                                                                                |
| UST-2265-2      | Для наружного применения   | < 43                                                                                |

**Изготовитель**

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**Контактная информация:**

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**FUJIFILM Healthcare Deutschland GmbH**  
Otto-von-Guericke-Ring 3  
D-65205 Wiesbaden, Germany

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Registered No. 300

## NOTARIAL CERTIFICATE

This is to certify that FUKUDA Hirokazu signed the attached document in my presence on this 24th day of July, 2023.



A handwritten signature in cursive script, appearing to read "Abe Hiromi", written over a horizontal line.

**ABE Hiromi**



Зарегистрированно №300

**Нотариальное свидетельство**

Настоящим удостоверяем, что ФУКУДА Хиродзаку подписал прилагаемый документ в моем присутствии 24 июля 2023 г.

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/Логотип/

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FUJIFILM Healthcare Corporation

(ФУДЖИИЛМ Хелскеа Корпорэйшон)

/Подпись/

Перевод данного текста выполнен переводчиком Юдиным Юрием Константиновичем.

Российская Федерация

Город Москва.

Двадцать пятого декабря две тысячи двадцать третьего года.

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Е.С. Ра

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24 июль 2023 г.

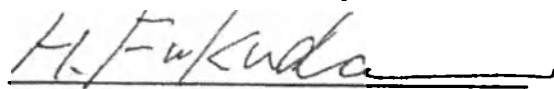
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|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------|

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FUJIFILM Healthcare Corporation



Hirokazu Fukuda

Dates this 23th of July 2023.

**ЭКСПЛУАТАЦИОННАЯ ДОКУМЕНТАЦИЯ  
НА МЕДИЦИНСКОЕ ИЗДЕЛИЕ**

**Система ультразвуковая диагностическая варианты исполнения:  
ARIETTA 50, ARIETTA S60, с принадлежностями**

**(Ультразвуковые датчики)**

**OPERETIONAL DOCUMENTATION (SUPPLEMENT)  
FOR MEDICAL DEVICE**

**(Ultrasonic sensors)**

**Ultrasound diagnostic system versions: ARIETTA 50, ARIETTA S60, with accessories**

**Разработчик:** *FUJIFILM Healthcare Corporation*  
*(ФУДЖИФИЛЬМ Хелскеа Корпорэйшн)*  
**(Developer)** *(Япония), 2-1 Shintoyofuta, Kashinwa-shi, Chiba, 277-0804,*  
*Japan*

**Место производства** *FUJIFILM Healthcare Corporation,*  
**медицинского изделия**  
**(Place of manufacture of** *2-1 Shintoyofuta, Kashinwa-shi, Chiba, 277-0804, Japan*  
**a medical device)**

## Датчик C41V

## РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ

Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Настоящее руководство по эксплуатации необходимо бережно хранить рядом с системой, чтобы им можно было воспользоваться в любой момент.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн» (FUJIFILM Healthcare Corporation)**

Q1E-EP1363-9

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Производитель:



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ЕС

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компания «ФУДЖИФИЛЬМ Хелскеа Юроп Холдинг АГ» (FUJIFILM Healthcare  
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Местный дистрибьютор:



## О настоящем руководстве

В настоящем руководстве по эксплуатации приведены меры предосторожности, а также описан порядок проверки, эксплуатации и повторной обработки датчика C41V. В целях обеспечения безопасности эксплуатации внимательно ознакомьтесь с настоящим руководством. В случае возникновения вопросов по эксплуатации датчика обратитесь в службу поддержки.

Для обозначения особо важной информации в руководстве используются следующие обозначения:

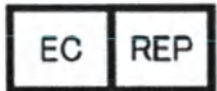
**ОСТОРОЖНО!** Указывает на наличие опасности, которая может привести к тяжелым травмам, гибели или значительному повреждению имущества в случае игнорирования этого предупреждения.

**ВНИМАНИЕ!** Указывает на наличие опасности, которая в случае игнорирования этого предупреждения приведет или может привести к незначительным травмам или повреждению имущества.

**ПРИМЕЧАНИЕ.** Обозначает важную, но не связанную с опасностью информацию по установке, эксплуатации или техническому обслуживанию.

Графические обозначения, используемые для маркировки наших ультразвуковых датчиков

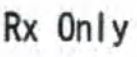
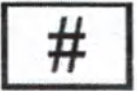
Их значения приведены в таблице ниже.

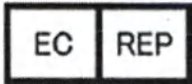
| Значение                                             | Символ                                                                              | Описание                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Название и адрес компании-производителя              |    | «ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»,<br>2-1, Синтоёфута, Касива-си, Тиба,<br>277-0804, Япония (FUJIFILM Healthcare<br>Corporation 2-1, Shintoyofuta, Kashiwa-shi,<br>Chiba, 277-0804 Japan)<br>+81-4-7131-4151<br><a href="https://www.fujifilm.com/fhc/en">https://www.fujifilm.com/fhc/en</a> |
| Официальный представитель в Европейском сообществе:  |    | «ФУДЖИФИЛЬМ Хелскеа Дойчланд ГмбХ» (FUJIFILM Healthcare Deutschland GmbH), Отто-фон-Герике-Ринг 3, D-65205 Висбаден, Германия (Otto-von-Guericke-Ring 3, D-65205 Wiesbaden, Germany)                                                                                                        |
| Беречь от попадания прямых солнечных лучей           |    | Храните датчик в прохладном, темном, сухом и защищенном от пыли месте, избегая воздействия высокой температуры, влажности и попадания прямых солнечных лучей.                                                                                                                               |
| Содержит натуральный каучуковый латекс или его следы |   | Содержит натуральный каучуковый латекс или его следы                                                                                                                                                                                                                                        |
| Не стерилизовать                                     |  | Не стерилизовать                                                                                                                                                                                                                                                                            |
| Не подлежит повторному использованию                 |  | Не подлежит повторному использованию                                                                                                                                                                                                                                                        |



## Определение обозначений

На наших ультразвуковых датчиках также используются следующие обозначения:

| Местоположение                       | Символ                                                                              | Определение                                                                                                                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Разъем датчика                       |    | Данное устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS)                               |
| Разъем датчика                       |    | Отметка диапазона IPX7<br>См. раздел 1.6.                                                                                                                                                       |
| Разъем датчика<br>Чехол для хранения |    | Рабочая часть типа BF                                                                                                                                                                           |
| Разъем датчика                       |    | Общий предупреждающий знак                                                                                                                                                                      |
| Разъем датчика                       |    | Осторожно! Опасное напряжение                                                                                                                                                                   |
| Разъем датчика                       |    | Внимание! Биологическая опасность                                                                                                                                                               |
| Разъем датчика                       |   | При работе с данным устройством следуйте инструкциям, приведенным в руководстве по эксплуатации. Игнорирование может привести к травмам, повреждению имущества или неисправностям оборудования. |
| Разъем датчика                       |  | Знак совместимости с системами стерилизации STERRAD                                                                                                                                             |
| Разъем датчика                       |  | Верхний предел температуры!<br>Датчики, подходящие для стерилизации этиленоксидным газом, имеют символ «Верхний предел температуры: 55 градусов».                                               |
| Разъем датчика                       |  | Не выбрасывайте устройство как обычный мусор.<br>Соблюдайте требования местного законодательства.                                                                                               |
| Разъем датчика                       |  | Медицинское изделие                                                                                                                                                                             |
| Разъем датчика                       |  | Только по рецепту врача. Федеральный закон США предусматривает продажу этого устройства только по назначению врача.                                                                             |
| Разъем датчика<br>Чехол для хранения |  | НОМЕР МОДЕЛИ                                                                                                                                                                                    |
| Разъем датчика<br>Чехол для хранения |  | СЕРИЙНЫЙ НОМЕР                                                                                                                                                                                  |

|                                      |                                                                                              |                                                                                                                                                                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Разъем датчика<br>Чехол для хранения |              | УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА                                                                                                                                                                                                                                  |
| Разъем датчика<br>Чехол для хранения |             | ПРОИЗВОДИТЕЛЬ                                                                                                                                                                                                                                                        |
| Чехол для хранения                   |             | Импортёр для Европейской экономической зоны (ЕЕА) представляется в соответствии с директивами Европейского союза 93/42/ЕЕС и 2011/65/EU.                                                                                                                             |
| Чехол для хранения                   | <br>2021-04 | ДАТА ПРОИЗВОДСТВА<br>Номер под знаком обозначает год и месяц производства. (в данном случае 2021-04)<br><br>СТРАНА ПРОИЗВОДСТВА<br>В маркировке указан код страны-производителя, определенный Международной организацией по стандартизации (в данном случае ЯПОНИЯ). |
| Чехол для хранения                   |             | УПОЛНОМОЧЕННЫЙ ПРЕДСТАВИТЕЛЬ В ЕВРОПЕЙСКОМ СООБЩЕСТВЕ                                                                                                                                                                                                                |

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## 1. Введение

### 1.1 Характеристики

Датчик С41V является датчиком конвексного типа.

Акустическая мощность датчика при подключении к ультразвуковому диагностическому сканеру измерялась в соответствии со стандартом IEC60601-2-37. Таблица с данными измеренной акустической мощности приведена в руководстве по эксплуатации каждого ультразвукового диагностического сканера. Согласно Директиве 93/42/ЕЕС данный датчик относится к классу IIa.

В соответствии со стандартом IEC60601-1 данный датчик относится к типу ВF.

### 1.2 Принцип действия

Данный датчик и ультразвуковой диагностический сканер позволяют проводить диагностику с помощью ультразвуковых волн. Принципы работы этой системы:

- 1) После передачи электрического импульсного сигнала из передатчика преобразователь датчика последний преобразует электрические сигналы в энергию механических вибраций для излучения импульсообразных ультразвуковых волн в часть тела, жидкость или другую среду, которые соприкасаются с преобразователем.
- 2) Излучаемые ультразвуковые волны отражаются от границ с различными акустическими характеристиками (акустическим сопротивлением) тканей тела.
- 3) Преобразователь также используется для приема отраженных ультразвуковых волн. Принимаемые ультразвуковые волны вызывают в преобразователе механические вибрации, которые он преобразует в электрическую энергию. Для получения изображения электрические сигналы с помощью модуляции яркости преобразуются в различные по степени яркости тени.

### 1.3 Предусмотренное применение

Датчик C41V, подключаемый к нашему ультразвуковому диагностическому сканеру, предназначен для наблюдения и диагностики преимущественно в следующих областях:

- Органы малого таза (OB/GYN);
- Биопсия (с использованием стерильного функционального адаптера);
- Трансвагинальное/трансректальное исследование.



#### **ОСТОРОЖНО!**

Ни в коем случае нельзя использовать датчик для исследования:

- 1) Сердца (запрещен прямой контакт)
- 2) Глазного яблока

### 4 Компоненты

Датчик C41V поставляется в следующей комплектации:

- 1) Датчик..... 1 шт.
- 2) Руководство по эксплуатации..... 1 экземпляр



#### **ВНИМАНИЕ**

Датчик, поставляемый с завода, не подвергается стерилизации. Перед использованием обязательно проведите очистку, дезинфекцию и стерилизацию датчика.

1.5 Комплектующие (поставляются по дополнительному заказу)

1.5.1 Стерильный пункционный адаптер EZU-PA5V (одноразового применения)



Насадка для проведения трансвагинальной или трансректальной биопсии под ультразвуковым контролем и аспирации содержимого органов, кист и опухолей.



Доступные размеры игл – от 16 до 19G. Проведение процедуры требует особой осторожности. Стерильный пункционный адаптер EZU-PA5V имеет следующую комплектацию:

| Компонент                      | Модель   | Примечание |
|--------------------------------|----------|------------|
| Стерильный пункционный адаптер | EZU-PA5V | 24 шт.     |

ПРИМЕЧАНИЕ. Если вам нужны стерильные пункционные адаптеры, обратитесь в службу поддержки.



#### ВНИМАНИЕ

Биопсию должен проводить только высококвалифицированный врач.

1.5.2 Механический компрессор для эластографии EZU-TEMC1 и комплект баллонов для эластографии EZU-TEBL2

Этот механический компрессор используется для визуализации эластичности тканей с помощью баллона, прикрепленного к датчику, который подключен к нашей системе ультразвукового сканирования и системе электронной сканирующей ультразвуковой томографии.

Для получения информации об использовании, очистке и дезинфекции EZU-TEMC1 и EZU-TEBL2 см. соответствующее руководство по использованию.

1.5.3 Презерватив или защитный чехол (одноразового применения)



В целях защиты датчика от загрязнения рекомендуется использовать только бессмазочный презерватив или защитный чехол сухого типа.



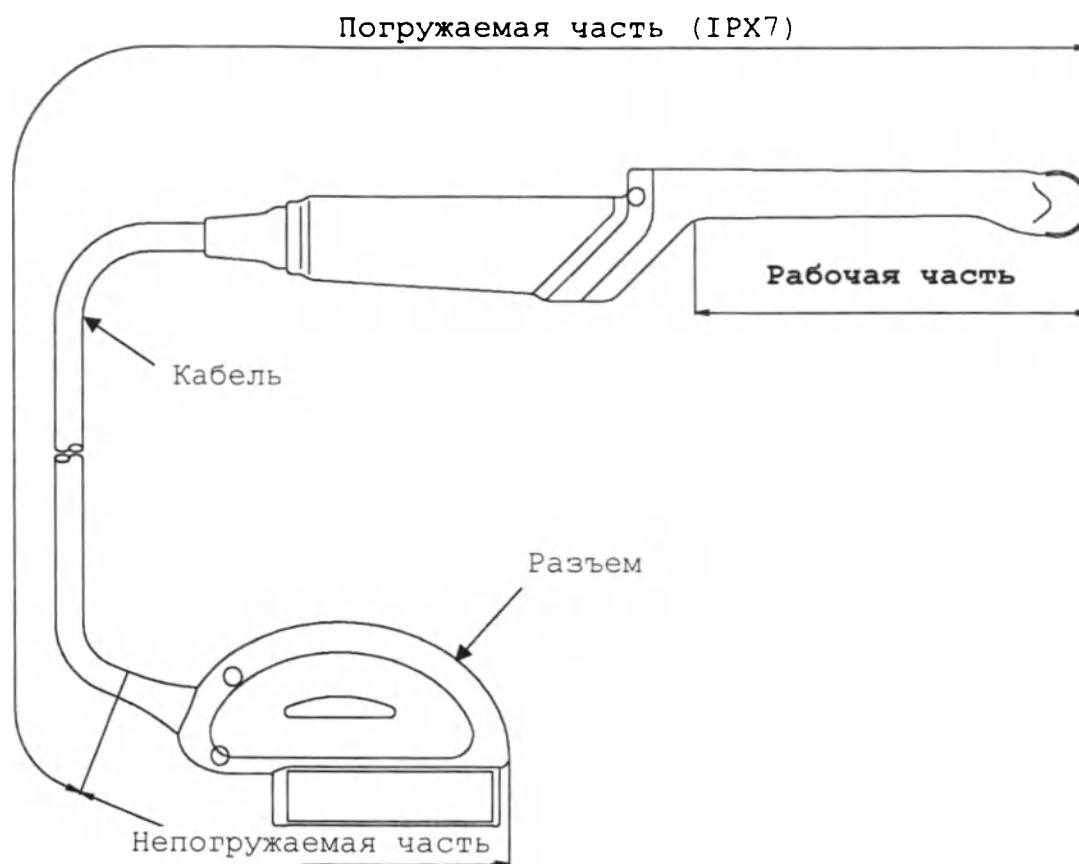
Смазка может привести к повреждению поверхности датчика. Латексный каучук может вызывать аллергические реакции, по этой причине настоятельно рекомендуется использовать презерватив или чехол из неаллергенного материала.

Следует соблюдать осторожность при обращении с использованным презервативом или защитным чехлом.



## 1.6 Строение датчика

На рис. 1 представлен внешний вид датчика С41V.



Погружаемая часть

Эту часть можно погружать в дезинфицирующий раствор и мыть водой.

Непогружаемая часть

Эту часть нельзя погружать в дезинфицирующий раствор и мыть водой.

Рисунок 1. Внешний вид

## 2. Осмотр перед использованием

В целях проверки пригодности для применения датчик и комплектующие к нему перед использованием необходимо тщательно осмотреть. В случае обнаружения каких-либо повреждений не используйте датчик и незамедлительно обратитесь в службу поддержки.

### 2.1 Проверка правильности подключения

- 1) Убедитесь, что система работает правильно. См. руководство по эксплуатации ультразвукового диагностического сканера.
- 2) Не прикрепляйте и не присоединяйте к датчику неутвержденные изделия или устройства, например, неутвержденные биопсийные насадки.
- 3) Убедитесь в том, что стерильный пункционный адаптер и версия программного обеспечения, а также настройки сканера подходят для используемого датчика. Присоедините стерильный пункционный адаптер к датчику. Выведите на экран ультразвукового диагностического сканера окно «Траектория иглы» (см. руководство по эксплуатации ультразвукового диагностического сканера). Подержите головку датчика в воде и вставьте пункционную иглу в стерильный пункционный адаптер. Убедитесь в том, что игла входит беспрепятственно, и ее эхо-сигнал отображается на мониторе «Траектория иглы» в виде пунктирной линии.

### 2.1 Осмотр поверхности

- 1) Визуально осмотрите поверхность головки, корпуса и кабеля датчика на наличие трещин, царапин или утраты естественных свойств.
- 2) Визуально осмотрите упаковку стерильного пункционного адаптера на наличие разрывов, деформаций, трещин или утраты естественных свойств. В случае обнаружения каких-либо повреждений не используйте стерильный пункционный адаптер.

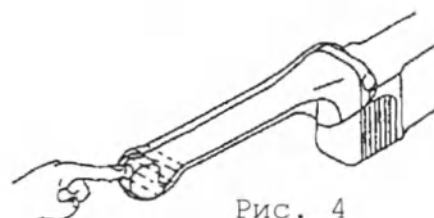
### 3. Порядок эксплуатации

#### 3.1 Соединение и настройка

- 1) Убедитесь, что ультразвуковой датчик был очищен, дезинфицирован и стерилизован.
- 2) В целях профилактики инфицирования пациента рекомендуется использовать одноразовый защитный чехол для датчика, который во избежание развития аллергических реакций должен быть выполнен из неаллергенного материала.
- 3) Подключите датчик к ультразвуковому диагностическому сканеру, включите сканер и скорректируйте изображение, следуя указаниям в руководстве по эксплуатации используемого сканера.
- 4) В качестве контактной среды нанесите на головку датчика необходимое количество стерилизованной акустической пасты (см. рис. 2).



- 5) Наденьте защитный чехол на датчик и натяните до основания штока датчика. Во избежание появления пузырьков воздуха следите за тем, чтобы чехол датчика был аккуратно прижат к головке датчика, и чтобы головка датчика была покрыта слоем пасты. При появлении пузырьков воздуха на головке датчика удалите их, нажимая пальцами на пасту. (См. рис. 3 и рис. 4.)



**ОСТОРОЖНО!**



Будьте осторожны при использовании защитного чехла из латекса. Латекс может вызывать такие аллергические реакции, как зуд, покраснение, крапивница, отек, повышение температуры, одышка, свистящее дыхание, понижение артериального давления, шок и т.д.

Если во время проведения операции у пациента возникает любой из вышеперечисленных симптомов, немедленно прекратите использование защитного чехла и окажите пациенту необходимую помощь.



- 6) Зафиксируйте пасту на верхней части датчика с помощью стерильной клейкой ленты. (См. Рис. 5.)



Рис. 5

- 7) Введите датчик и для улучшения желаемого изображения отрегулируйте положение датчика. При повороте или наклоне датчика возможна визуализация «в повернутом виде». При нечетком изображении используйте стерильный физиологический раствор. Такое решение позволяет улучшить контакт между датчиком и органом.
- 8) Сразу после использования проведите очистку, дезинфекцию и стерилизацию датчика.
- 9) Храните датчик в условиях, описанных в разделе 5 «Техническое обслуживание и проверка безопасности».

### 3.2 Использование стерильного пункционного адаптера (EZU-PA5V)

Стерильный пункционный адаптер (EZU-PA5V) подсоединяется к датчику следующим образом: Стерильный пункционный адаптер требует осторожного обращения во избежание повреждения защитного покрытия датчика. В ходе открытой или минимально инвазивной операции используйте защитный чехол для покрытия датчика и кабеля.

- 1) Присоедините стерильный чехол датчика к датчику. (См. раздел 3.1 «Соединение и настройка»)
- 2) Поместите стержни стерильного пункционного адаптера в пазы ультразвукового датчика. (См. рис. 6.)

Стерильный пункционный адаптер (EZU-PA5V)

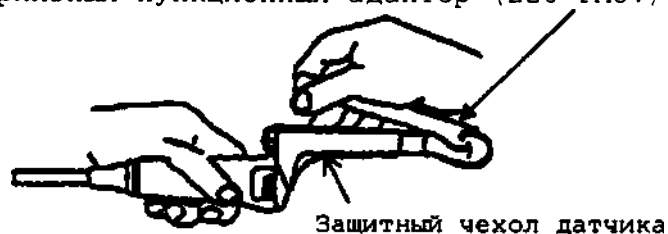


Рис. 6

- 3) Надавите на другой конец стерильного пункционного адаптера, чтобы зафиксировать его на ультразвуковом датчике (См. рис. 7.)



Рис. 7

### 3.3 Отображение траектории иглы

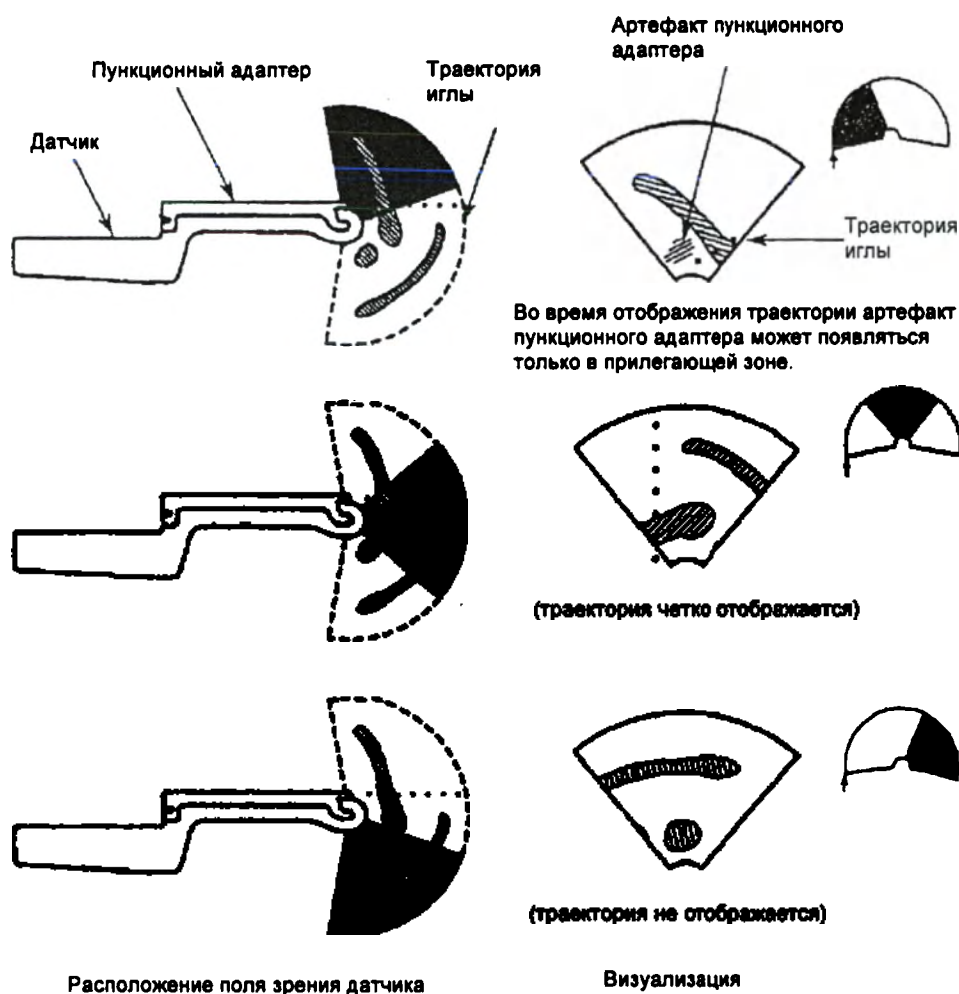
При проведении пункции траектория иглы может быть показана пунктирной линией. Порядок действий для отображения траектории иглы на ультразвуковом диагностическом сканере должен быть описан в разделе «Траектория иглы» в руководстве подключенного ультразвукового диагностического сканера.

**ПРИМЕЧАНИЕ.** Траектория иглы предназначена для визуального отображения направления хода пункционной иглы. При проведении пункции обязательно проверьте фактическое местонахождение иглы на эхограмме.

#### ВНИМАНИЕ

Данный датчик обеспечивает возможность визуализации траектории иглы; однако некоторые виды визуализации могут быть неподходящими для процедуры пункции в зависимости от расположения поля зрения.

Необходимо использовать поле зрения, соответствующее месту пункции.





#### 4. Очистка, дезинфекция и стерилизация



Повторную обработку датчика и комплектующих необходимо проводить после каждого использования. Следуйте инструкциям по повторной обработке, изложенным в настоящей главе.

|                                      |                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Предупреждения                       | <ul style="list-style-type: none"> <li>- Датчик поставляется нестерильным. Перед первым использованием выполните процедуру обработки датчика.</li> <li>- Температура при повторной обработке не должна превышать 60 °C (140 °F).</li> <li>- Разъем датчика не является влагонепроницаемым.</li> </ul> |
| Ограничения для повторной обработки  | Датчик нельзя погружать полностью. Погружаемая часть показана на рис. 1. Непогружаемую часть следует дезинфицировать путем протирания салфетками.                                                                                                                                                     |
| Транспортировка перед использованием | Для транспортировки из центрального стерилизационного блока в операционную датчик следует поместить в стерильный пакет или контейнер. Будьте осторожны, чтобы не повредить стерильную упаковку при транспортировке.                                                                                   |

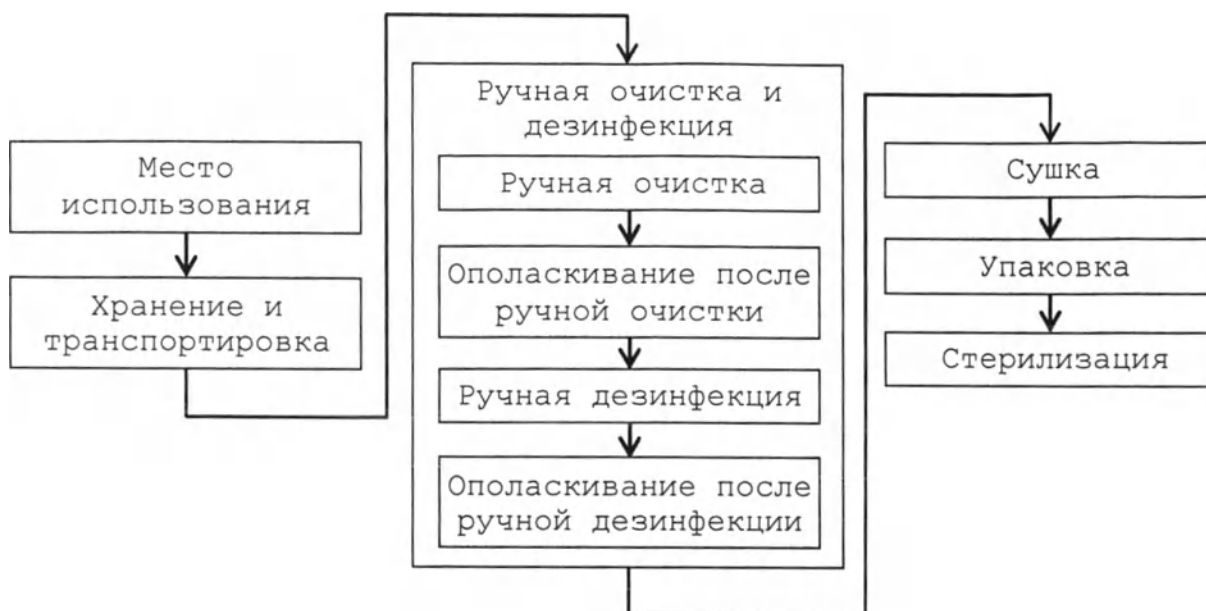
#### Степень обязательности требований к повторной обработке

В зависимости от сферы применения и с учетом оценки риска для проведения обработки медицинских изделий пользователь должен классифицировать медицинское изделие в соответствии с действующей Директивой о медицинских изделиях как некритичное, полукритичное или критичное. Вспомогательная информация представлена в таблице ниже. Ответственность за правильность классификации медицинского изделия несет пользователь.

| Классификация         | Определение                                                                                         | Обработка                                                                                                |
|-----------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| некритичные изделия   | Рабочая часть контактирует только с неповрежденной кожей                                            | Очистка<br>Дезинфекция                                                                                   |
| полукритичные изделия | Рабочая часть контактирует со слизистой оболочкой (внутриполостное применение)                      | Очистка<br>Дезинфекция (дезинфицирующим средством с вирулицидным действием)                              |
| критичные изделия     | Рабочая часть контактирует непосредственно с тканью внутри организма (применение во время операции) | Очистка<br>Дезинфекция (дезинфицирующим средством с вирулицидным действием, как минимум)<br>Стерилизация |

Учитывая предусмотренное применение датчика C41V, он относится к категории полукритичных изделий.

## Схема процесса повторной обработки датчика:



### 4.1 Место использования (предварительная очистка)

Предварительную очистку следует проводить после каждого использования. Порядок проведения предварительной очистки:

- 1) Снимите защитный чехол.
- 2) Смывайте с датчика кровь или телесные жидкости пациента под струей проточной воды до тех пор, пока поверхность датчика не будет выглядеть визуально чистой.
- 3) Протрите всю поверхность датчика марлевой салфеткой и удалите видимые поверхностные загрязнения и остатки геля для УЗИ

### 4.2 Хранение и транспортировка

Загрязненное оборудование рекомендуется поместить в защищенный от ударов и повреждений контейнер для транспортировки. Повторную обработку инструментов рекомендуется выполнять как можно быстрее, и не позднее, чем через 4 часа после использования.

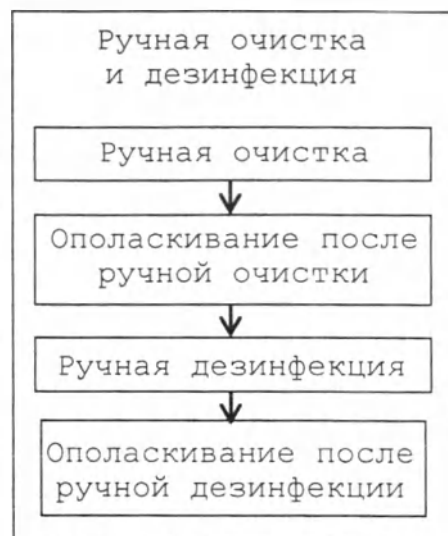
Место  
использования  
(предварительная  
очистка)

Хранение и  
транспортировка

#### 4.3 Ручная очистка и дезинфекция

Перед ручной чисткой и дезинфекцией подготовьте следующие средства:

- a) Моющее средство: «Сайдезим» (Cidezyme) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии
- b) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- Две емкости: 1 для очистки и 1 для дезинфекции, дополнительно:  
1 дополнительная емкость для ополаскивания деионизированной/водопроводной водой (достаточного размера для погружения погружаемой части датчика на всю длину)
- d) Мягкая, неворсистая ткань или одноразовое полотенце
- e) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)



##### Ручная очистка:

Приготовьте раствор моющего средства в емкости с холодной водой (в вопросах применения, разведения и времени воздействия, следуйте инструкциям производителя моющего средства).

- 1) Температура моющего раствора должна быть в пределах 15-30 °C (59-86 °F), концентрация - 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя. При использовании другого моющего средства следует также учитывать его совместимость с материалами, используемыми в данном медицинском изделии.
- 2) Опустите погружаемую часть датчика без разъема в разбавленный моющий раствор (см. рис. 8). Протрите погружаемую часть датчика мягкой тканью, не вынимая ее из моющего раствора, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы датчика.
- 3) Погружаемую часть датчика следует оставить в моющем растворе в течение времени воздействия, указанного производителем моющего средства.
- 4) Протрите непогружаемые части датчика мягкой тканью, смоченной моющим раствором.
- 5) Ополосните датчик под струей проточной воды в течение 1 минуты (или, в качестве альтернативы, на 5 минут поместите погружаемую часть датчика в лоток, наполненный деионизированной/водопроводной водой [см. рис. 8]).
- 6) Визуально проверьте наружную поверхность датчика на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.



## Ручная дезинфекция:

- 1) Приготовьте раствор дезинфицирующего средства в емкости с холодной водой (в вопросах применения, концентрации, микробиологической эффективности, срока годности и времени воздействия, следуйте инструкциям производителя дезинфицирующего средства).
- 2) Перед погружением датчика проверьте концентрацию дезинфицирующего средства. Хотя средство «Сайдекс® ОПА» не требует разведения, для проверки его концентрации рекомендуется использовать тест-полоски. Тест-полоски могут показать, превышена ли минимальная эффективная концентрация. Также следует обратить внимание на дату истечения срока годности тест-полосок. Температура дезинфицирующего раствора должна быть не менее 20 °C (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 3) Поместите погружаемую часть датчика в дезинфицирующее средство (см. рис. 8). Для соблюдения рекомендуемого времени воздействия, которое составляет 5 минут, установите таймер.
- 4) Ополаскивайте погружаемую часть датчика деионизированной водой в течение 1 минуты (или, в качестве альтернативы, на 5 минут поместите погружаемую часть датчика в лоток, наполненный деионизированной водой [см. рис. 8]).
- 5) Визуально проверьте наружную поверхность датчика на наличие остатков дезинфицирующего средства. При необходимости повторите ополаскивание.

Вода, моющее или дезинфицирующее средство

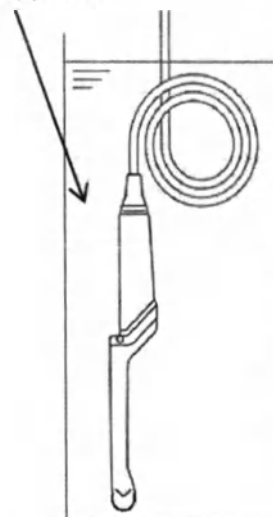


Рис. 8 Погружение датчика

## 4.4 Сушка

- 1) Для удаления влаги с поверхности датчика протрите его одноразовой неворсистой салфеткой или полотенцем.
- 2) Оставьте датчик высыхать естественным путем при температуре окружающей среды 15–30 °C (59–86 °F) в течение не менее 4 часов. В качестве альтернативы оборудование можно высушить с помощью сушилки при температуре менее 60 °C (140 °F).

Сушка

## 4.5 Контроль

Проверьте оборудование на наличие повреждений, таких как трещины, царапины или деформации. Не используйте изделие в случае обнаружения каких-либо повреждений.

Упакуйте датчик в стерильный защитный материал, например, из полипропиленовых волокон, или прозрачную упаковку из полиэтиленовой пленки и тайвека (Tyvek®), и затем поместите в лоток. Лоток также следует накрыть стерильным защитным материалом.

Дополнительно датчик можно поместить на пластиковую сетку, поставляемую для плазменной стерилизации, и затем упаковать, как описано выше.

Датчик можно упаковывать в одинарную или двойную упаковку.

Обратите внимание, что размер стерильного защитного материала должен быть достаточным для упаковки оборудования, при этом остается достаточно материала для полной запайки.

Стерильный защитный материал следует запаять с помощью соответствующей запаечной машины. Важно убедиться в том, что упаковка запаяна полностью. Если упаковка запаяна не полностью, повторите упаковку и запайку оборудования.

Датчик можно стерилизовать этиленоксидом (EtO) или методом плазменной стерилизации (см. таблицу ниже).

Что касается использования, температуры и времени стерилизации, следуйте инструкциям производителя стерилизатора.

Метод стерилизации и условия ее проведения:

➤ Газовый стерилизатор EtO, закрытая система

| Параметр                              | Технические характеристики                                                                                                                                         |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Предварительное кондиционирование     | Нет                                                                                                                                                                |
| Кондиционирование в камере (выдержка) | Температура: 50–55°C<br>122–131 °F<br>Влажность: 40–90 % относительной влажности<br>Предварительное вакуумирование: 8–26 кПа<br>Время: 30–45 минут                 |
| Воздействие                           | Температура: 50–55°C<br>122–131 °F<br>Стерилизующий газ: 10 % ЭО / 90 % ГХФУ<br>Избыточное давление: 162–200 кПа<br>Время воздействия: 120–125 минут (полный цикл) |
| Последующее вакуумирование            | 8–26 кПа, 2 раза                                                                                                                                                   |
| Аэрация                               | Температура: 50–55°C<br>122–131 °F<br>Время: мин. 11 часов                                                                                                         |

➤ Плазменная стерилизация

| Метод стерилизации                                     | Состояние        |
|--------------------------------------------------------|------------------|
| Плазменная стерилизация: STERRAD® 50, 100S или 200 (*) | Короткий цикл    |
| Плазменная стерилизация: Sterrad® NX или 100NX (*)     | Стандартный цикл |

\* Системы STERRAD® производит компания «Джонсон & Джонсон»

### ПРЕДУПРЕЖДЕНИЕ

- 1) Перед проведением стерилизации проверьте, чтобы рабочие параметры стерилизатора не выходили за пределы минимальных и максимальных параметров, применимых для датчика.
- 2) Не стерилизуйте датчик паром. Воздействие пара приведет к серьезному повреждению изделия, после чего оно не будет функционировать.



Упаковку перед стерилизацией следует проводить в следующем порядке:

- 1) Поместите датчик в тайвековый пакет.

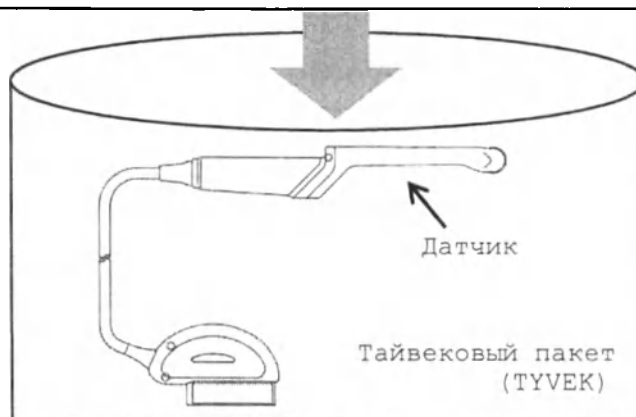


Рис. 9 Упаковка в пакет

- 2) С помощью запаечной машины запечатайте тайвековый пакет. Убедитесь, что пакет запаян полностью.



Рис. 10 Запаивание

- 3) Поместите запаянный пакет в лоток или пластиковую сетку для стерилизации.

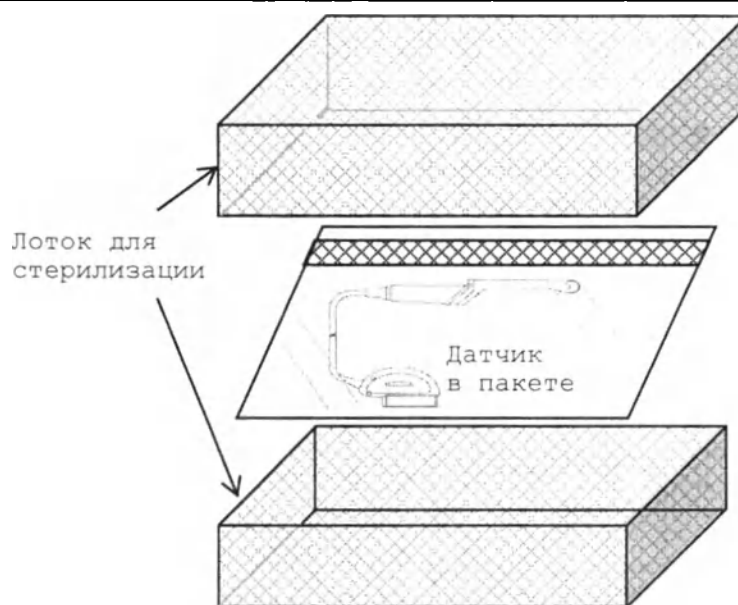


Рис. 11 Упаковка в лоток

#### 4.8 Хранение



Храните оборудование в прохладном, сухом, темном и защищенном от пыли месте, избегая воздействия высокой температуры, влажности и попадания прямых солнечных лучей. Ограничения по времени хранения стерилизованного оборудования зависят от типа упаковки.

## 5. Техническое обслуживание и проверка безопасности

### 5.1 Ежедневный осмотр

Визуально осмотрите поверхность головки, корпуса, кабеля и разъема датчика на наличие трещин, царапин или утраты естественных свойств. В случае обнаружения каких-либо повреждений не используйте датчик и незамедлительно обратитесь в службу поддержки.

### 5.2 Хранение



После использования датчика необходимо провести очистку, дезинфекцию и стерилизацию согласно разделу 4 «Очистка, дезинфекция и стерилизация». После этого храните его в прохладном и темном месте, избегая воздействия высокой температуры, влажности и прямых солнечных лучей.

 **ОСТОРОЖНО!**

- 1) Ни в коем случае не используйте датчик, если на его головке, штоке или кабеле присутствуют трещины или повреждения.
- 2) При использовании датчика C41V для проведения биопсии обязательно используйте стерильный пункционный адаптер EZU-PA5V (дополнительное оборудование).
- 3) Ни в коем случае не используйте стерильный пункционный адаптер при наличии в нем деформаций, трещин или повреждений.
- 4) Не используйте защитный чехол из латекса для пациентов, чувствительных к латексу. Латекс в составе защитного чехла для датчика может вызывать такие аллергические реакции как зуд, покраснение, крапивница, отек, повышение температуры, одышка, свистящее дыхание, понижение артериального давления, шок и т.д.
- 5) Гель для ультразвуковых исследований, поставляемый в комплекте с ультразвуковым сканером, нестерилен, поэтому его ни в коем случае нельзя использовать с датчиком C41V.

 **ВНИМАНИЕ**

- 1) При использовании датчика для сканирования органов малого таза во время хирургических или минимально инвазивных процедур следите за тем, чтобы электрокоагуляторы находились вне досягаемости. Датчик следует извлечь из организма или убрать с него в случае применения дефибриллятора.
- 2) Обследование на ранних сроках беременности необходимо проводить с минимальной акустической мощностью в течение максимально короткого времени.
- 3) Не допускайте попадания воды или другой жидкости в разъем. Разъем не является водонепроницаемым.
- 4) Нельзя ударять или бросать датчик. Механический удар может легко привести к повреждению датчика.
- 5) Не используйте моющие и дезинфицирующие средства, кроме указанных в пункте 9.3 «Перечень поставщиков».
- 6) Во избежание окрашивания или повреждения акустической линзы используйте стерильный защитный чехол для датчика.
- 7) Перед первым использованием необходимо выполнить очистку, дезинфекцию и стерилизацию датчика, поскольку на заводе его стерилизация не осуществляется.
- 8) Для очистки акустической линзы используйте только мягкую ткань.
- 9) Биопсию должен проводить только высококвалифицированный врач.
- 10) Не присоединяйте к датчику неутвержденные изделия.



## 7. Характеристики

### 7.1 Датчик

|                               |                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Тип:                          | Датчик C41V                                                                                                                  |
| Рабочая акустическая частота: | 6,5 МГц                                                                                                                      |
| Технология:                   | Конвексный датчик                                                                                                            |
| Размеры:                      | См. рис. 12.                                                                                                                 |
| Масса:                        | Прибл. 0,60 кг (включая кабель и разъем)                                                                                     |
| Материалы в составе датчика:  | Биосовместимые неаллергенные компоненты                                                                                      |
| Акустическая мощность:        | Согласно стандарту IEC 60601-2-37 (см. руководство по эксплуатации основного аппарата)                                       |
| Применимая система:           | В зависимости от периода производства и статус обновления. Для получения подробной информации обратитесь в службу поддержки. |
| Классификация:                | Класс IIa согласно Директиве о медицинских изделиях.                                                                         |
| Очистка                       | Применимые моющие средства приведены в перечне поставщиков                                                                   |
| Дезинфекция                   | Применимые дезинфицирующие средства приведены в перечне поставщиков                                                          |
| Стерилизация                  | Стерилизация этиленоксидом или плазменная стерилизация                                                                       |
| Условия эксплуатации:         |                                                                                                                              |
| Температура окружающей среды: | от +10 до +35 °C<br>от +50 до +95 °F                                                                                         |
| Относительная влажность:      | 30-85%                                                                                                                       |
| Условия хранения:             |                                                                                                                              |
| Температура:                  | от -10 до +55 °C<br>от +14 до +131 °F                                                                                        |
| Относительная влажность:      | 10-95 % (без конденсации)                                                                                                    |

## 7.2 Стерильный пункционный адаптер EZU-PA5V

|                         |                                                                |
|-------------------------|----------------------------------------------------------------|
| Тип:                    | EZU-PA5V                                                       |
| Внешний вид:            | См. рис. 13.                                                   |
| Допустимый калибр иглы: | от 16G до 19 G                                                 |
| Материалы:              | Биосовместимые неаллергенные компоненты                        |
| Классификация:          | Класс Is согласно Директиве о медицинских изделиях             |
| Упаковка:               | 24 стерильных пункционных адаптера для одноразового применения |
| Метод стерилизации:     | Стерилизация гамма-облучением                                  |

### Условия эксплуатации:

|              |                   |
|--------------|-------------------|
| Температура: | от +10 до +40 °C  |
|              | от +50 до +104 °F |

### Условия хранения:

|              |                   |
|--------------|-------------------|
| Температура: | от -10 до +40 °C  |
|              | от +14 до +104 °F |

### 7.3 Перечень поставщиков

Приведенные ниже изделия и средства прошли серьезные испытания и утверждены для использования с датчиком C41V.

| Название изделия                         | Производитель                                        | Назначение                             |
|------------------------------------------|------------------------------------------------------|----------------------------------------|
| «Сайдезим»<br>(Cidezyme®)                | «Джонсон & Джонсон»                                  | Ферментное моющее средство             |
| «СТЕРАНИОС»<br>(STERANIOS) 2 %           | «АНИОС»                                              | Дезинфицирующее средство               |
| «АНИОКСИД 1000»<br>(ANIOXYDE1000)        | «АНИОС»                                              | Дезинфицирующее средство               |
| «САЙДЕКС» (CIDEX)                        | «Джонсон & Джонсон»                                  | Дезинфицирующее средство               |
| «САЙДЕКС® плюс™ 28»<br>(CIDEX® plus™ 28) | «Джонсон & Джонсон»                                  | Дезинфицирующее средство               |
| «САЙДЕКС® ОПА»<br>(CIDEX® OPA)           | «Джонсон & Джонсон»                                  | Дезинфицирующее средство               |
| РАСТВОР ГИАМИНА                          | «РИККА КЕМИКАЛ КОМПАНИ»<br>(RICCA CHEMICAL COMPANY)  | Дезинфицирующее средство               |
| «СТЕРИГИД»<br>(STERIHYTE®)               | «Маруиси Фармасьютикал»<br>(Maruishi Pharmaceutical) | Дезинфицирующее/стерилизующее средство |
| «БАВИЦИД-01»<br>(WAVICIDE-01)            | «Медикал Кемикал Корп»<br>(Medical Chemical Corp)    | Дезинфицирующее/стерилизующее средство |

Для получения действующей редакции «Перечня дезинфицирующих/стерилизующих средств, совместимых с ультразвуковым датчиком и комплектующими к нему» обратитесь к местному дистрибьютору

### 8. Утилизация датчика

Переработка или утилизация данного оборудования осуществляется в соответствии с Законом об обращении с отходами и общественной очистке.



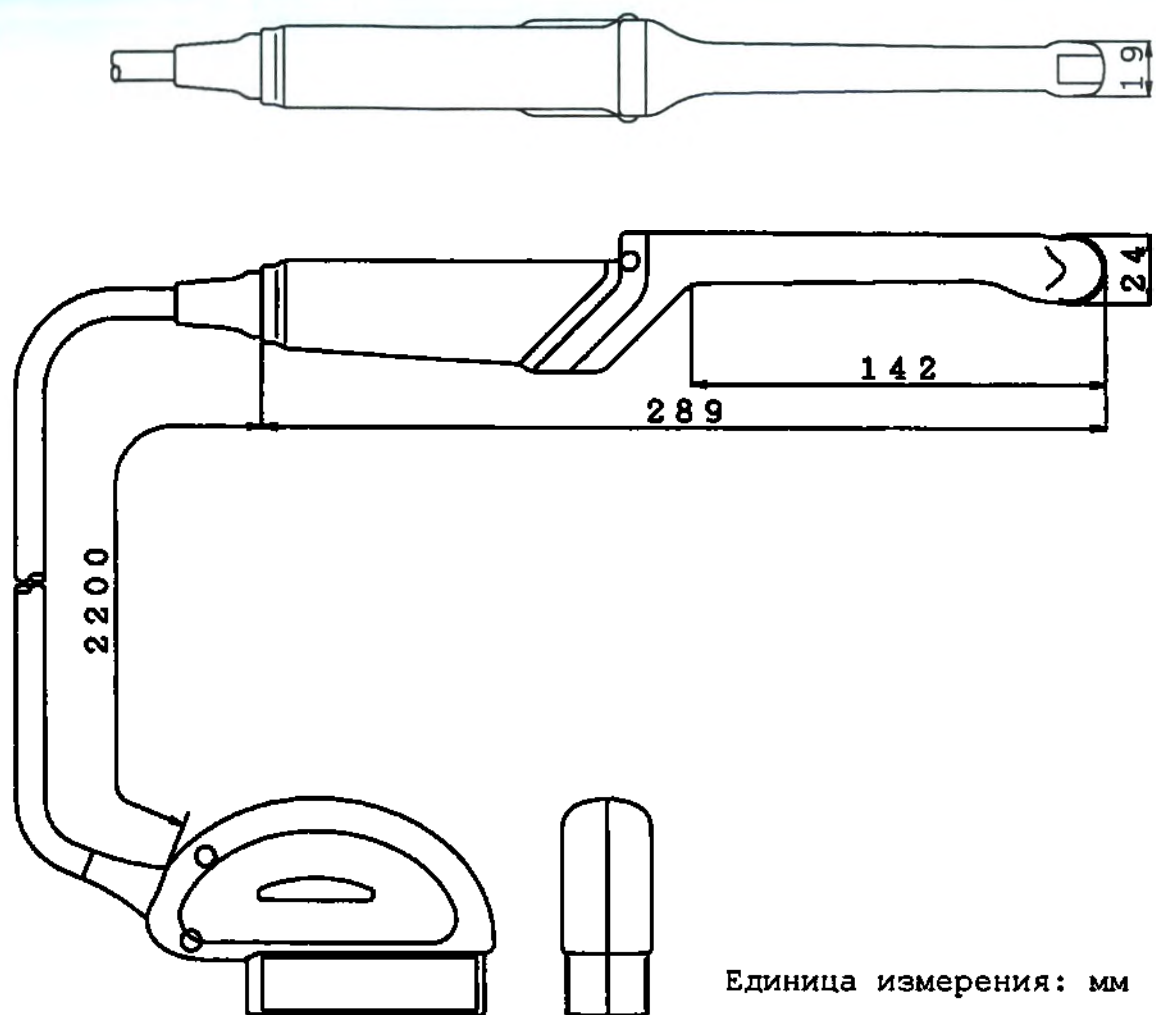
#### ВНИМАНИЕ

Прежде чем утилизировать оборудование, продезинфицируйте его или примите другие меры по профилактике инфекции. Утилизация оборудования без соблюдения надлежащих профилактических мер может привести к заражению.

Директива об утилизации отработанного электрического и электронного оборудования (WEEE) В соответствии с Директивой ЕС по утилизации электрического и электронного оборудования (WEEE) графический знак, изображенный справа, требуется размещать на любом электрическом и электронном оборудовании. Для надлежащей утилизации данного изделия в стране ЕС обратитесь в отделение или агентство ЕС и соблюдайте соответствующие местные и национальные нормы и законы.

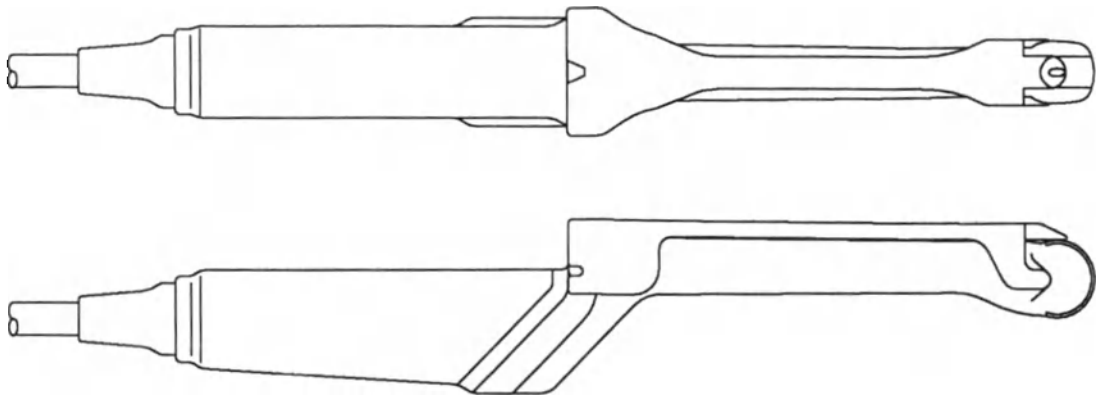






Единица измерения: мм

Рис. 12 Внешний вид датчика C41V



**Рис. 13 Внешний вид датчика C41V  
со стерильным пункционным адаптером (EZU-PA5V)**

## Датчик C253

### Руководство по эксплуатации Характеристики

#### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации, а также отдельное руководство по эксплуатации «Безопасность (MN1-5982)» и «Очистка, дезинфекция и стерилизация (MN1-5998)» перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-6407 Ред. 3

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**C €0197**





## Введение

Это руководство по эксплуатации датчика C253. Ультразвуковой датчик подключается к нашему УЗИ аппарату и используется преимущественно для исследования основных органов брюшной полости.

Перед использованием прочитайте данное руководство, а также отдельное руководство «Безопасность», в котором содержится информация по безопасному использованию.

На датчике находится маркировка «СЕ», которая действительна только при использовании датчика с УЗИ аппаратом с маркировкой «СЕ».

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                     |                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|  | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|  | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                     | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 4 страницы вступительной части и 12 страниц основного содержания.



## 1. Общая информация

Общая информация об ультразвуковом датчике приведена ниже.

### 1-1. Предусмотренное применение

Этот датчик предназначен для использования врачами и другими квалифицированными операторами.

Ультразвуковой датчик контактирует с телом пациента для исследования окружающих его органов.

Пожалуйста, обратитесь к инструкции по эксплуатации УЗИ аппарата, используемого с этим ультразвуковым датчиком, для информации о назначении датчика.

Относительно совместимого оборудования, пожалуйста, обратитесь к разделу 2-1. Характеристики данного руководства.

### Осторожно!



Не используйте это оборудование не по назначению.

В противном случае это может привести к ожогам или другим травмам оператора или пациента.

### 1-2. Классификация медицинского электрооборудования

Этот ультразвуковой датчик классифицируется следующим образом в соответствии с IEC60601-1.

Пожалуйста, обратитесь к разделу 2-1 относительно рабочей части, детали, рассматриваемой как рабочая часть, и диапазона IPX7.

- Классификация по степени защиты от поражения электрическим током ..... Рабочая часть типа BF
- Классификация по степени защиты от попадания жидкостей ..... IPX7 (водонепроницаемое оборудование)
- Режим работы ..... Непрерывный
- Метод стерилизации ..... Обратитесь к отдельному руководству по эксплуатации  
«Очистка, дезинфекция и стерилизация»

### 1-3. Стандартные компоненты

Стандартный комплект датчика C253 включает следующие компоненты.

|                                                        |             |
|--------------------------------------------------------|-------------|
| Датчик C253 .....                                      | 1 комплект  |
| Чехол для хранения .....                               | 1 комплект  |
| Руководство по эксплуатации                            |             |
| • Характеристики (MN1-6407) .....                      | 1 экземпляр |
| • Безопасность (MN1-5982) .....                        | 1 экземпляр |
| • Очистка, дезинфекция и стерилизация (MN1-5998) ..... | 1 экземпляр |

## 1-4. Дополнительные комплектующие

Следующие изделия доступны для использования с датчиком C253.

- Пункция

Используйте для выполнения пункции компоненты набора, перечисленные в таблице 1. Относительно использования насадки для биопсии CIVCO, пожалуйста, обратитесь к прилагаемой к набору документации.

Таблица 1. Набор для биопсии

| Название изделия                                       | Номер изделия |
|--------------------------------------------------------|---------------|
| Насадка для биопсии CIVCO                              | 644-083       |
| CIVCO чехол для датчика/биопсийная игла и направляющая | 610-608       |
| CIVCO чехол для датчика/биопсийная игла и направляющая | 610-901       |

- Виртуальная сонография в реальном времени (RVS)

Используйте для выполнения виртуальной сонографии в реальном времени компоненты набора, перечисленные в таблице 2. Подробнее о том, как присоединить/отсоединить компонент, пожалуйста, прочитайте в разделе 4.2.

Таблица 2. Набор для виртуальной сонографии

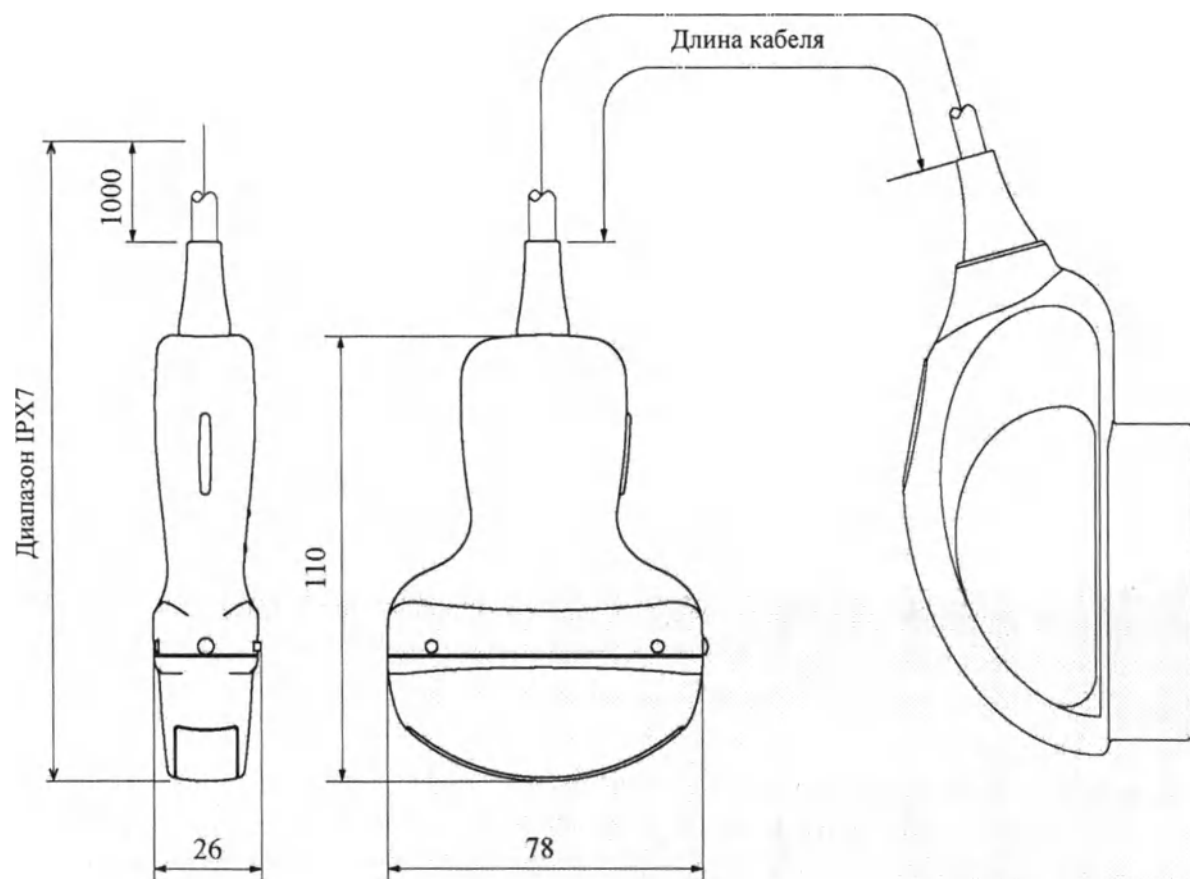
| Название изделия             | Серийный номер |
|------------------------------|----------------|
| Держатель магнитного датчика | RV-004         |

## 2. Характеристики и названия инструментов

Характеристики и названия каждого инструмента приведены ниже.

### 2-1. Характеристики

|                                                                                                                                                                                                                                                                                      |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Применение:                                                                                                                                                                                                                                                                          | Брюшная полость                                                                       |
| Тип контакта с пациентом:                                                                                                                                                                                                                                                            | Поверхностный                                                                         |
| Совместимое оборудование:                                                                                                                                                                                                                                                            | ARIETTA 65, ARIETTA 850                                                               |
| <b>ПРИМЕЧАНИЕ:</b><br>На момент публикации данного руководства версия совместимого УЗИ аппарата или программного обеспечения данного датчика отличалась для каждой страны, пожалуйста, обратитесь к руководству по эксплуатации прибора или к местному представителю нашей компании. |                                                                                       |
| Угол обзора:                                                                                                                                                                                                                                                                         | 70°                                                                                   |
| Частота:                                                                                                                                                                                                                                                                             | 3,0 МГц                                                                               |
| Длина кабеля:                                                                                                                                                                                                                                                                        | 2,2 м                                                                                 |
| Срок службы:                                                                                                                                                                                                                                                                         | 3 года                                                                                |
| Рабочая часть:                                                                                                                                                                                                                                                                       | Головка ультразвукового датчика, включая источник ультразвуковых волн, см. раздел 2-2 |
| Деталь, рассматриваемая как рабочая:                                                                                                                                                                                                                                                 | Кабель длиной до 1 метра, считая от головки датчика                                   |
| Диапазон IPX7                                                                                                                                                                                                                                                                        | См. рисунок 1                                                                         |
| Точность измерения:                                                                                                                                                                                                                                                                  | Обратитесь к руководству по использованию УЗИ аппарата                                |
| Внешние размеры:                                                                                                                                                                                                                                                                     | См. рисунок 1                                                                         |



Единица измерения: мм

Примечание: допуск на размер  $\pm 10\%$ .

Рисунок 1. Внешний вид



## 2-2. Названия деталей

Название каждой детали приведено на рисунке 2, описание каждой детали – в таблице 3.

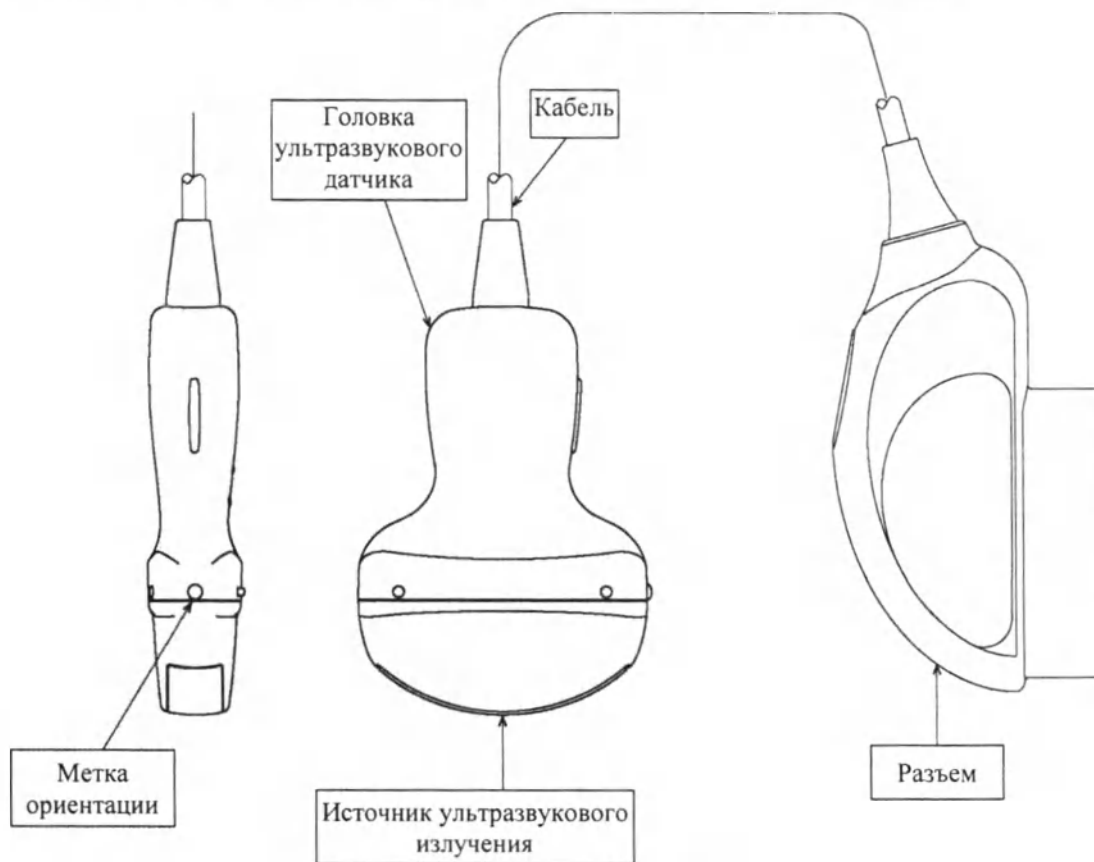


Рисунок 2. Названия деталей

Таблица 3. Название каждой детали и описание

| Название                           | Описание                                                                                             |
|------------------------------------|------------------------------------------------------------------------------------------------------|
| Источник ультразвукового излучения | Ультразвук генерируется в данной детали. Электронный выпуклый преобразователь встроен под эту часть. |
| Метка ориентации                   | Сторона, на которой находится метка ориентации, соответствует стороне изображения на мониторе.       |
| Головка ультразвукового датчика    | Оператор держит датчик за эту часть во время исследования.                                           |
| Кабель                             | Кабель передает входной/выходной электрический сигнал.                                               |
| Разъем                             | Разъем предназначен для присоединения датчика к УЗИ аппарату.                                        |

### ⚠ Внимание



Не тянуть, не сгибать, не скручивать кабель, не применять чрезмерную силу.  
Датчик может неправильно работать при отсоединении кабеля.



Не подвергайте источник ультразвукового излучения сильному воздействию.  
Воздействие может привести к повреждению преобразователя, что приведет к появлению шумов или отсутствию эха на изображении. В большинстве случаев источник ультразвукового излучения не повреждается, так как он сделан из эластичного материала.

### 3. Подготовка к использованию

Эта глава описывает меры подготовки к безопасному использованию ультразвукового датчика. Пожалуйста, подготавливайте ультразвуковой датчик перед каждым использованием, следуя инструкциям ниже.

#### 3-1. Визуальная проверка

Визуально проверьте головку датчика, источник ультразвукового излучения, кабель и разъем.

Не используйте датчик при обнаружении каких-либо отверстий, вмятин, истирания, деформации, слабого крепления, обесцвечивания и других повреждений.

Также проверьте компоненты набора.

#### 3-2. Подтверждение очистки, дезинфекции и стерилизации

Убедитесь, что ультразвуковой датчик действительно был очищен, дезинфицирован и стерилизован. Степень обработки зависит от назначения. Обратитесь к отдельному руководству «Очистка, дезинфекция и стерилизация» для получения информации о процедуре очистки, дезинфекции и стерилизации. Также убедитесь, что сопутствующие детали должным образом очищены, продезинфицированы и стерилизованы.

#### 3-3. Проверка работоспособности

Подключите датчик к УЗИ аппарату и проверьте, что отображаемый тип сканирования и диапазон частоты такие же как у датчика. Проверьте, что нет никаких помех на изображении.

**Примечание.** Пожалуйста, обратитесь к документации УЗИ аппарата, чтобы узнать, как подключить датчик, и какая информация отображается на мониторе.

Если датчик работает в неподвижном воздухе, яркость верхней части изображения может быть неравномерной, но это не влияет на производительность датчика.

---

#### Осторожно!



Проводите подготовку перед каждым использованием.

Оператор и пациент могут получить травму, если оборудование неисправно.

Если в оборудовании обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке

---

---

#### Внимание



Не используйте ультразвуковой датчик, если отображаемый тип и частота сканирования не соответствуют данным датчика. Неправильная акустическая мощность может привести к ожогам или другим травмам пациента. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

---





## 4. Эксплуатация

В этой главе описано, как пользоваться датчиком, и как присоединить/отсоединить магнитный датчик положения и держатель магнитного датчика положения.

### 4-1. Эксплуатация

Приложите источник ультразвукового излучения датчика к поверхности кожи. Изображение интересующей области появляется на мониторе УЗИ аппарата. Подробнее об отображении и настройке изображения смотрите в документации, прилагаемой к УЗИ аппарату.



#### Внимание



Не применяйте к датчику чрезмерную силу.  
Применение чрезмерной силы при использовании может привести к травме пациента.



Сканируйте в течение минимально необходимого времени на минимально возможной частоте излучения.  
Акустическая мощность может повлиять на внутренние ткани пациента.  
За подробностями об акустической мощности, пожалуйста, обратитесь к документации, приложенной к УЗИ аппарату.



Не прикасайтесь к контактам разъема датчика.  
Электростатический разряд может привести к неправильной работе датчика.



Не прикасайтесь к разъему датчика и пациенту одновременно. Это может привести к поражению пациента электрическим током.

## 4-2. Как подсоединить/отсоединить магнитный датчик положения и держатель магнитного датчика положения

### 4-2-1. Как подключить магнитный датчик положения

- (1) Совместите направляющую отметку на магнитном датчике положения с отверстием для крепления в держателе магнитного датчика положения и поместите в него магнитный датчик положения (рисунок 3).

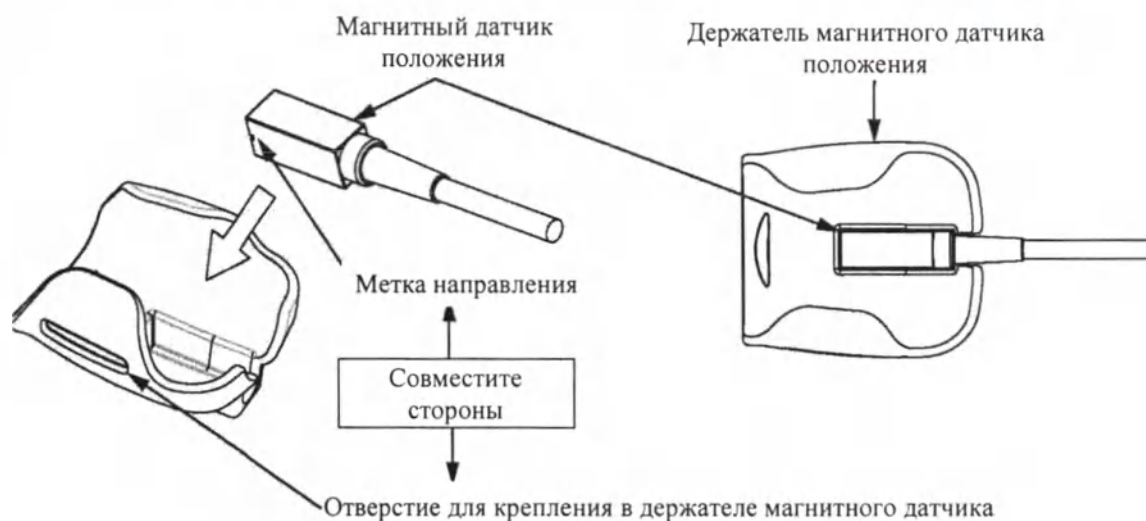


Рисунок 3. Как подключить магнитный датчик положения

- (2) Подключите магнитный сенсор в держателе к датчику, повернув его против часовой стрелки, как показано на рисунке 4. Убедитесь, что отверстие в держателе и маркировка на датчике смотрят в одном направлении.

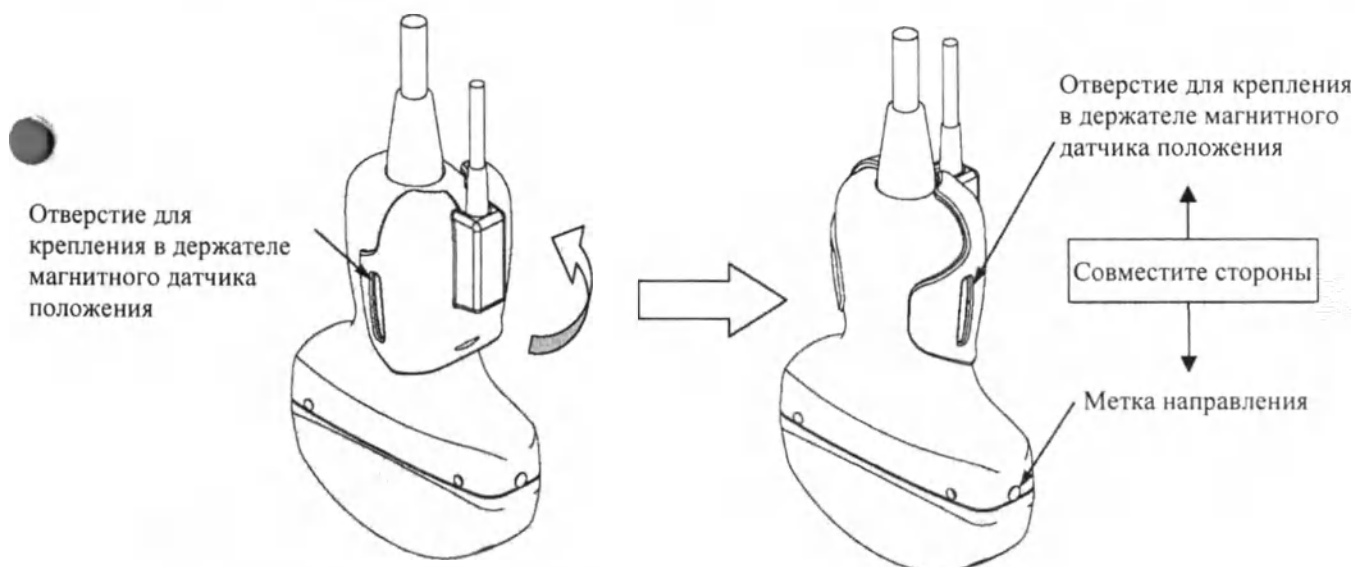


Рисунок 4. Как подключить крепление магнитного датчика положения



### Внимание



Правильно подсоедините держатель магнитного датчика положения к датчику.

Подсоединение держателя не на ту сторону может привести к постановке неправильного диагноза.

4-2-2. Как отсоединить магнитный датчик положения

- (1) Поверните держатель магнитного сенсора по часовой стрелке, чтобы отключить от датчика, как показано на рисунке 5.

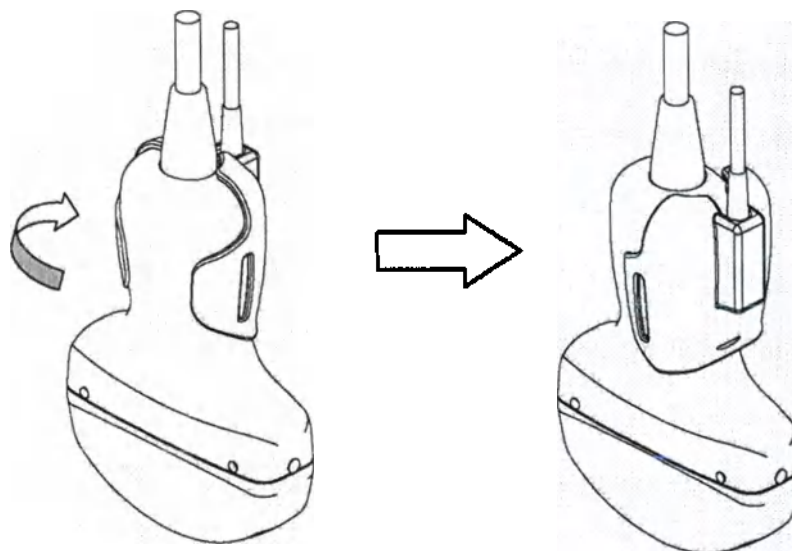


Рисунок 5. Как отсоединить крепление магнитного датчика положения

- (2) Вытащите магнитный датчик из крепления магнитного сенсора.

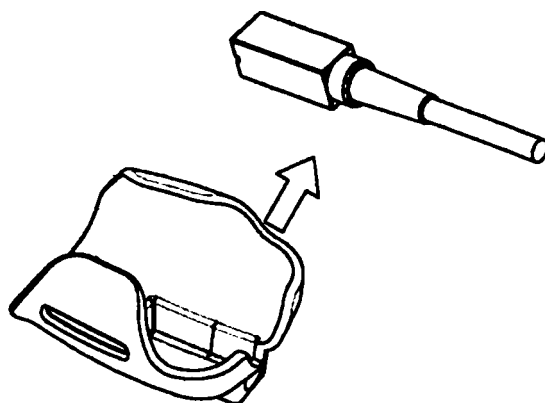


Рисунок 6. Как отключить магнитный датчик положения



Эта страница намеренно оставлена пустой

Эта страница намеренно оставлена пустой

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## Датчик

### Руководство по эксплуатации «Очистка, дезинфекция и стерилизация»

Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-5998 Ред. 16

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**CE0197**



## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                   |                   |                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                               |
|  | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                      |
|  | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только повреждению имущества. |
|                                                                                   | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                  |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                            |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                |



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Данное руководство по эксплуатации содержит 6 страниц вступительной части и 26 страниц основного содержания.





## 1. Применяемые методы очистки, дезинфекции и стерилизации

Применяемые методы очистки, дезинфекции и стерилизации для каждого изделия перечислены в таблице 1. Подробнее о каждом методе смотрите в главе 3.

Таблица 1. Применяемые методы очистки, дезинфекции и стерилизации

| Модель | См. соответствующие подпункты в главах 4, 6, 7 и 9 | Очистка |                | Дезинфекция |                | Стерилизация |          |               |         | Водонепроницаемый чехол (WP-001) |
|--------|----------------------------------------------------|---------|----------------|-------------|----------------|--------------|----------|---------------|---------|----------------------------------|
|        |                                                    | Ручная  | Автоматическая | Ручная      | Автоматическая | EtO          | СТЕРРАД® | Жидкостная *2 | СТЕРИС® |                                  |
| C251   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C25P   | B                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C35    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| L441   | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| S12    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S211   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S42    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S22    | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| MXS1   | A                                                  | X       |                | X           |                |              |          | X             |         |                                  |
| S121   | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| C252   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| SML44  | A                                                  | X       |                | X           |                | X            | X*3      | X             |         |                                  |
| C253   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| L442   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S11    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C23RV  | A                                                  | X       | X              | X           | X              | X            | X        | X             | X*1     | X                                |
| C23    | A                                                  | X       | X              | X           | X              | X            | X        | X             | X*1     | X                                |
| L35    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |

|         |   |   |   |   |   |   |   |   |   |  |
|---------|---|---|---|---|---|---|---|---|---|--|
| MP-2804 | C | X | X | X | X | X | X | X |   |  |
| RV-004  | C | X | X | X | X | X | X | X |   |  |
| RV-005  | C | X | X | X | X | X | X | X |   |  |
| RV-014  | C | X | X | X | X | X | X | X |   |  |
| RV-017  | C | X | X | X | X | X | X | X | X |  |

Примечание: X означает «применимо».

\*1: нужен водонепроницаемый чехол (WP-001)

\*2: жидкостная стерилизация только в США

\*3: используйте систему СТЕРРАД® 100S.



## 2. Меры предосторожности при очистке, дезинфекции и стерилизации

При очистке, дезинфекции и стерилизации датчика и дополнительных приспособлений необходимо обратить внимание на следующие предупреждения и предостережения.

### Осторожно!

-  Во время чистки, дезинфекции и стерилизации надевайте перчатки и другие средства защиты. Обращение с датчиком голыми руками перед стерилизацией может привести к инфекции.
-  После замачивания датчика в чистящем средстве тщательно промойте датчик проточной водой. Остаточные чистящие средства могут вызвать побочные реакции на организм оператора или пациента.
-  После химической стерилизации тщательно промойте датчик стерильной водой. Остаточные химические вещества могут вызвать побочные реакции у оператора или пациента (только в США).
-  После дезинфекции датчика тщательно промойте его деионизированной водой. Остаточные дезинфицирующие средства могут вызвать побочные реакции на организм оператора или пациента. (только в ЕС)
-  Проведите полную аэрацию после газовой стерилизации. Остаточный газ может вызвать побочные реакции у оператора или пациента.
-  Не очищайте и не стерилизуйте с помощью процедур, не указанных в данном руководстве. Несоблюдение мер по очистке и стерилизации оборудования может привести к инфекции. Кроме того, это может привести к повреждению датчика или снижению его производительности. Датчик не переносит стерилизации в автоклаве или кипячения, а также другие виды стерилизации при температурах, превышающих 60 °C (140 °F).
-  Подробнее об условиях использования химикатов и процедурах стерилизации см. в документации, поставляемой вместе с соответствующим химикатом или стерилизационным оборудованием. Из-за недостаточной стерилизации может возникнуть инфекция. Неправильная стерилизация может привести к повреждению датчика.

### Внимание

-  Не погружайте датчик в жидкости, выходя за пределы диапазона IPX7. Диапазон водонепроницаемости указан в отдельном руководстве по эксплуатации «Характеристики». Если жидкость попадает внутрь разъема, немедленно прекратите использование и свяжитесь с одним из наших офисов и (или) офисов дистрибьютора, указанным на задней обложке. Жидкость в разъеме может привести к поражению электрическим током оператора или пациента.
-  Не протирайте спиртом область ультразвукового излучения. Спирт может повредить эту область.
-  Не используйте органический растворитель для очистки, чтобы предотвратить повреждение.
-  Не используйте твердые или острые предметы для удаления загрязнений с поверхности датчика. Такие предметы могут повредить датчик.
-  При очистке, дезинфекции и стерилизации датчика обязательно снимайте принадлежности.
-  Если необходимо использование водонепроницаемого чехла, следуйте руководству по эксплуатации, чтобы правильно надеть его на ультразвуковой датчик.



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## Примечание

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Ультразвуковой датчик может быть поврежден путем повторной очистки, дезинфекции и стерилизации.

Подготовьте датчик в соответствии с главой 3 «Подготовка к использованию» в отдельном руководстве по эксплуатации «Характеристики».

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### Дополнительная информация

Приведенная выше инструкция утверждена производителем медицинского оборудования, который подтверждает, что медицинское оборудование пригодно для повторного использования. На использующем оборудовании учреждение лежит ответственность за то, что обработка в том виде, в каком она была фактически выполнена с использованием оборудования, материалов и персонала, достигла желаемого результата. Для этого требуется проверка и регулярный мониторинг процесса обработки. Точно так же любое отклонение со стороны использующего оборудование учреждения от предоставленных инструкций должно быть надлежащим образом оценено с точки зрения эффективности и потенциальных негативных последствий.

### 3. Инструкция по повторной обработке в соответствии с ISO 17664

Позаботьтесь о соблюдении санитарных правил, перед тем как использовать датчик со следующими пациентами. Если требуется повторная обработка данного оборудования, обратитесь к данным инструкциям.

Таблица 2

|                                      |                                                                                                                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Предупреждения                       | <ul style="list-style-type: none"> <li>• Датчик поставляется нестерильным. Перед первым использованием выполните процедуру обработки датчика.</li> <li>• Не превышайте температуру 60 °C [140 °F].</li> <li>• Разъем датчика не является влагонепроницаемым.</li> </ul>         |
| Ограничения для повторной обработки  | Датчик не предназначен для полного погружения (не погружайте его в жидкости, выходя за пределы диапазона IPX7. Диапазон указан в отдельном руководстве по эксплуатации «Характеристики»). Детали, не погружаемые в жидкости, можно дезинфицировать только посредством протирки. |
| Транспортировка перед использованием | Датчик следует хранить в стерильном пакете или контейнере в промежутке между перевозками из центрального стерилизационного отделения (CSSD) в операционную. Будьте осторожны, не допускайте повреждений стерильного пакета или контейнера для транспортировки.                  |

Необходимый уровень обработки зависит от типа оборудования и его использования.

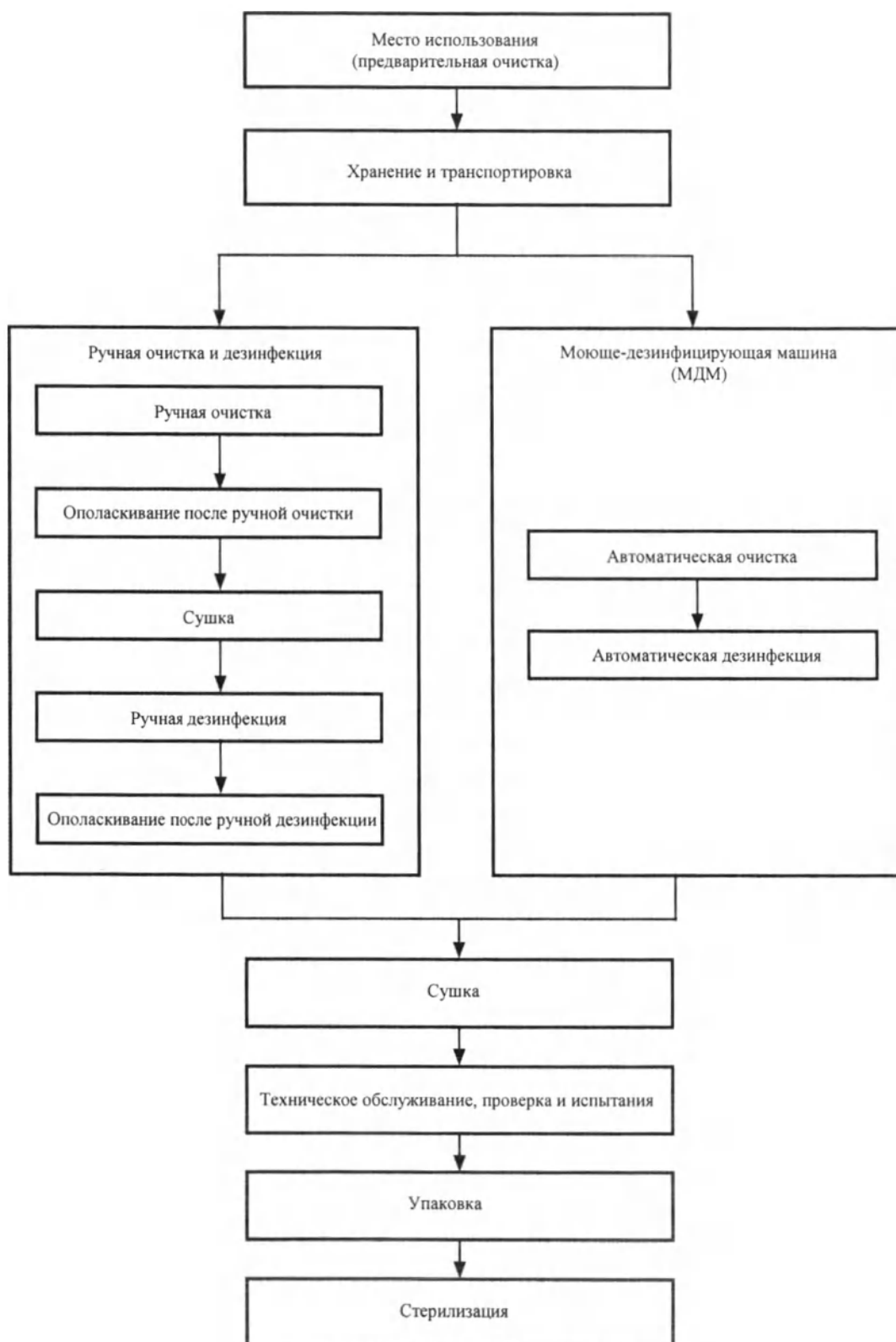
CDC (центры по контролю и профилактике заболеваний) в США и RKI (Институт Роберта Коха) в Германии классифицируют медицинские приборы в соответствии с их применением. Для каждой классификации они определяют уровень дезинфекции/стерилизации, который требуется перед применением. В таблице 3 представлена обобщенная информация.

Таблица 3

| Классификация         | Определение                                                                                               | Обработка                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Некритичные изделия   | Рабочая часть контактирует только с неповрежденной кожей                                                  | Очистка<br>↓<br>Дезинфекция [в США - низкоуровневая дезинфекция]                                                                                                      |
| Полукритичные изделия | Рабочая часть контактирует со слизистой оболочкой (внутриполостное применение)                            | Очистка<br>↓<br>Дезинфекция (дезинфицирующее средство с бактерицидным, фунгицидным и вирулицидным эффектом)<br>[в США – высокоуровневая дезинфекция или стерилизация] |
| Критичные изделия     | Используемая деталь контактирует непосредственно с интракорпоральной тканью (интраоперационная процедура) | Очистка<br>↓<br>Дезинфекция<br>↓<br>Стерилизация *1                                                                                                                   |

\*1. при отсутствии возможности стерилизации Управление по санитарному надзору за качеством пищевых продуктов и медикаментов (FDA) в США признает, что дезинфекция (в США – высокоуровневая дезинфекция), использование стерильного геля и стерильного защитного покрытия датчика, как описано в инструкциях, прилагаемых к защитному покрытию, является общепринятым способом борьбы с инфекцией.

Схема процесса повторной обработки данного датчика и принадлежностей выглядит следующим образом:



Примечание: совместимы только принадлежности, описанные в схеме процесса повторной обработки.



#### 4. Место использования (предварительная очистка)

В операционной после эксплуатации датчика

##### А). Датчики (некритичные)

- 1) Снимите с датчика совместно используемые изделия, например, насадку для виртуальной сонографии, биопсии, защитное покрытие.
- 2) Промойте датчик сразу после использования.
- 3) Протрите всю поверхность датчика марлевой салфеткой и удалите остатки геля для УЗИ, чтобы поверхность датчика выглядела визуально чистой.

##### В). Датчики (полукритичные C25P)

- 1) Снимите с датчика совместно используемые изделия, например, насадку для виртуальной сонографии, биопсии, защитное покрытие.
- 2) Промойте датчик сразу после использования.
- 3) Смойте кровь и телесные жидкости проточной водой, чтобы поверхность датчика выглядела визуально чистой.
- 4) Протрите всю поверхность зонда марлевой салфеткой и удалите поверхностные видимые загрязнения, поверхность датчика должна выглядеть визуально чистой.

##### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Промойте аксессуар сразу после использования.
- 2) Протрите всю поверхность датчика марлевой салфеткой и удалите поверхностные видимые загрязнения, чтобы поверхность датчика выглядела визуально чистой.

#### 5. Водонепроницаемый чехол

Датчик, совместимый с водонепроницаемым чехлом, может быть полностью погружен в жидкость, когда используется водонепроницаемый чехол. Автоматическая очистка и дезинфекция доступна только для датчиков, которые совместимы с водонепроницаемым чехлом.

Обратитесь к инструкции по эксплуатации «Характеристики» относительно совместимости водонепроницаемого чехла. Разъем и часть кабеля за пределами диапазона водонепроницаемости не могут быть погружены в жидкость без водонепроницаемого чехла. Обратитесь к инструкции по эксплуатации «Характеристики» относительно диапазона водонепроницаемости.

#### 6. Хранение и транспортировка

Загрязненное оборудование рекомендуется поместить в защищенный от ударов и повреждений контейнер для транспортировки. Повторную обработку инструментов рекомендуется выполнять как можно быстрее, и не позднее, чем через 4 часа после использования.



## 7. Ручная очистка и дезинфекция

Перед ручной чисткой и дезинфекцией подготовьте следующие средства.

### А). Датчики (некритичные)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (с достаточным размером для погружения соответствующей детали датчика на всю длину).
- 4) Мягкая, неворсистая ткань или одноразовое полотенце
- 5) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

### В). Датчики (полукритичные C25P)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) Чистящие щетки, если используются, например, REF 09098 (Interlock) и REF 09326 (Interlock, для очистки всей поверхности датчика).
- 4) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (с достаточным размером для погружения соответствующей детали датчика на всю длину).
- 5) Шприц 50 мл
- 6) Мягкая, неворсистая ткань или одноразовое полотенце
- 7) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (достаточного размера для погружения соответствующей детали аксессуара на всю длину).
- 4) Мягкая, неворсистая ткань или одноразовое полотенце
- 5) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)



## 7-1. Ручная очистка

## А). Датчики (некритичные)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %.  
Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном датчике.
- 2) Погрузите соответствующую часть датчика без разъема в моющее средство.
- 3) Протрите погружаемую часть датчика под поверхностью моющего раствора одноразовой мягкой тканью без ворса, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы датчика. При необходимости используйте для этого соответствующую щетку.
- 4) Протрите непогружаемые детали датчика мягкой тканью, пропитанной моющим средством.
- 5) Промойте погруженную часть датчика проточной водопроводной водой в течение 1 минуты.
- 6) Альтернативно шагу 5 можно поместить погружаемую часть датчика в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 7) Визуально проверьте наружную поверхность датчика на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

## В). Датчики (полукритичные C25P)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %.  
Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном датчике.
- 2) Погрузите датчик в разбавленное моющее средство. С помощью шприца на 50 мл промойте полость датчика 5 раз, поверхность – с 50 мл разбавленного моющего средства. Почистите полость датчика 5 или более раз, используя подходящую щетку. Датчик чистится щеткой до визуально чистого.
- 3) Протрите погружную часть датчика под поверхностью раствора моющего средства одноразовой мягкой безворсовой тканью, чтобы удалить всю видимую грязь. Убедитесь, что все пазы датчика обработаны во время процесса очистки. При необходимости используйте для этого соответствующую щетку.
- 4) Протрите непогружаемые детали датчика мягкой тканью, пропитанной моющим средством.
- 5) Промойте погруженную часть датчика проточной водопроводной водой в течение 1 минуты.
- 6) Альтернативно на шаге 5 можно поместить изделия в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 7) Визуально проверьте полость и наружную поверхность адаптера для биопсии на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Температура моющего раствора должна быть в пределах 15–30 °С (59–86 °F), концентрация – 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном медицинском приспособлении.
- 2) Погрузите аксессуар в моющее средство.
- 3) Не вынимая аксессуар из моющего раствора, протрите его одноразовой мягкой безворсовой тканью, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы аксессуара. При необходимости используйте для этого соответствующую щетку.
- 4) Ополосните аксессуар под струей проточной воды в течение 1 минуты.
- 5) Альтернативно на шаге 5 можно поместить аксессуар в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 6) Визуально проверьте наружную поверхность аксессуара на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

## 7-2. Ручная дезинфекция

## А). Датчики (некритичные)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 2) Протрите непогружаемые детали датчика мягкой тканью без ворса дезинфицирующим средством.
- 3) Поместите погружаемую часть датчика в моющее средство. Для соблюдения рекомендуемого времени контакта установите таймер.
- 4) Промойте погружаемую часть датчика проточной деионизированной водой в течение 1 минуты.
- 5) Альтернативно шагу 4 можно поместить погружаемую часть датчика в емкость, заполненную деионизированной водой на 5 минут.
- 6) Визуально проверьте наружную поверхность датчика на предмет отсутствия остатков дезинфицирующего средства.  
При необходимости повторите ополаскивание.

## В). Датчики (полукритичные C25P)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 2) Протрите непогружаемые детали датчика мягкой тканью без ворса дезинфицирующим средством.
- 3) Поместите погружаемую часть датчика в моющее средство (см. иллюстрацию). Ополосните полость насадки для биопсии 50 мл дезинфицирующего раствора. Повторите этот шаг 4 раза. Установите таймер на 5 минут, чтобы соблюсти рекомендуемое время воздействия.
- 4) Промойте погружаемую часть датчика проточной деионизированной водой в течение 1 минуты.
- 5) Альтернативно на шаге 4 поместите изделия в емкость, заполненную деионизированной водой, на 5 минут.
- 6) Визуально проверьте полость насадки для биопсии и внешнюю поверхность датчика на наличие остатков дезинфицирующего средства. При необходимости повторите ополаскивание.

**Внимание**

Не протирайте спиртом область ультразвукового излучения.  
Спирт может повредить эту область.



С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. Если используется другое дезинфицирующее средство, следуйте инструкциям производителя. Пожалуйста, обратите внимание на совместимость материалов с медицинским устройством.
  - 2) Погрузите аксессуар в моющее средство. Для соблюдения рекомендуемого времени контакта установите таймер. 3) Ополаскивайте аксессуар под струей деионизированной воды в течение 1 минуты.
  - 4) Альтернативно на шаге 4 поместите аксессуар в емкость, заполненную деионизированной водой, на 5 минут.
  - 5) Визуально проверьте наружную поверхность аксессуара на предмет отсутствия остатков дезинфицирующего средства.
- При необходимости повторите ополаскивание.

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 **Осторожно!**

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 После завершения замачивания датчика в чистящем или дезинфицирующем средстве тщательно промойте его проточной водой (водопроводная вода после очистки, деионизированная вода после дезинфекции). Остатки чистящего агента могут вызвать неблагоприятную реакцию у оператора или пациента.

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7-3. Кабель и разъём

Протрите кабель промежутками в 20 см марлей, смоченной в этиловом спирте или воде, и высушите его после протирки.

Прочистите разъём марлей, смоченной в этиловом спирте, и высушите его после очистки.

Очистите другие детали датчика, которые не следует погружать в жидкости, так же, как и разъём.

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**Примечание**

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При одновременной протирке кабеля по всей его длине существует вероятность того, что часть кабеля может быть сморщена.

Если это произойдет, потяните сморщенную часть в противоположном направлении, чтобы разгладить ее.

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## 8. Автоматическая очистка и дезинфекция

### А) Датчики (с водонепроницаемым чехлом)

Перед проведением автоматизированной очистки и дезинфекции необходимо подготовить следующие средства и оборудование:

- а) Моюще-дезинфицирующая машина: согласно стандарту ISO 15883 с программируемыми химическими и температурными параметрами (температура: макс. 60 °C [140 °F]).
- б) Водонепроницаемый чехол для разъема датчика WP-001
- в) Моющее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); № 972 020) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- г) Дезинфицирующее средство: «Корсолекс Эндо-Дезинфектант» (Korsolex Endo-Disinfectant) («Бодэ Хеми» (Bode Chemie); № 972 030) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии

#### 1) Параметры очистки и дезинфекции изделия:

| Этап программы                | Вода (40 л)           | Дозировка (мл/л) | Температура (°C)/(°F) | Время (мин) |
|-------------------------------|-----------------------|------------------|-----------------------|-------------|
| Предварительное ополаскивание | Холодная вода         |                  |                       | 5           |
| Очистка                       | Деионизированная вода | 5 (0,5%)         | 50/122                | 10          |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Дезинфекция                   | Деионизированная вода | 10 (1%)          | 55/131                | 5           |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Ополаскивание                 | Деионизированная вода |                  | 55/131                | 1           |
| Сушка                         |                       |                  | 55/131                | 15          |

- 2) Наденьте водонепроницаемый чехол WP-001 на разъем датчика и используйте тестер, чтобы убедиться в отсутствии утечки воздуха. Обратитесь к руководству по эксплуатации водонепроницаемого чехла WP-001 для получения подробной информации.
- 3) Закройте дверцу моюще-дезинфицирующей машины и осуществите запуск программы.
- 4) После завершения процесса откройте дверцу.
- 5) Достаньте датчик из моюще-дезинфицирующей машины, убедитесь, что он высушен. Если нет, высушите его, следуя инструкции в разделе «Сушка».

### В) Датчики (полукритичные C25P)

 **Осторожно!**



Датчик не переносит автоматическую очистку и дезинфекцию.



## С). Принадлежности (держатель магнитного датчика, стабилизатор)

Перед проведением автоматизированной очистки и дезинфекции необходимо подготовить следующие средства и оборудование:

- а) Моюще-дезинфицирующая машина: согласно стандарту ISO 15883 с программируемыми химическими и температурными параметрами (температура: макс. 60 °C [140 °F]).
- б) Моющее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); номер 972 020)
- в) Дезинфицирующее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); номер 972 030)

## 1) Параметры очистки и дезинфекции изделия:

| Этап программы                | Вода (40 л)           | Дозировка (мл/л) | Температура (°C)/(°F) | Время (мин) |
|-------------------------------|-----------------------|------------------|-----------------------|-------------|
| Предварительное ополаскивание | Холодная вода         |                  |                       | 5           |
| Очистка                       | Деионизированная вода | 5 (0,5%)         | 50/122                | 10          |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Дезинфекция                   | Деионизированная вода | 10 (1%)          | 55/131                | 5           |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Ополаскивание                 | Деионизированная вода |                  | 55/131                | 1           |
| Сушка                         |                       |                  | 55/131                | 15          |

- 2) Закрыв дверцу моюще-дезинфицирующей машины, осуществите запуск программы.
- 3) Откройте дверь машины по завершении программы.
- 4) Убедитесь, что аксессуар высушен. Если нет, выполните действия, описанные в пункте «Сушка».

## 9. Применяемые чистящие и дезинфицирующие средства/перечень поставщиков

Применяемые химические растворы перечислены ниже.

| Общее название                     | Торговое наименование                                    | Производитель                                                                                                                                                                                        |
|------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ферментное чистящее средство       | ENZOL®/Cidezyme®<br>Концентрация раствора 0,8<br>об/об % | «ЭДВАНСД СТЕРИЛИЗЕЙШН<br>ПРОДАКТС®» (ADVANCED<br>STERILIZATION PRODUCTS®) Продукт<br>компания «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson &<br>Johnson, Division of Ethicon, Inc.) |
| Алкилполиалкиленгликолевый<br>эфир | «Корсолекс Эндо-Клинер»<br>(Korsolex® Endo-Cleaner)      | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                                  |

| Общее название                     | Торговое наименование                                               | Производитель                                                                                                                                                                                        |
|------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Глутарал                           | «САЙДЕКС®» (CIDEX®)<br>Раствор 2,4 %                                | «ЭДВАНСД СТЕРИЛИЗЕЙШН<br>ПРОДАКТС®» (ADVANCED<br>STERILIZATION PRODUCTS®) Продукт<br>компания «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson &<br>Johnson, Division of Ethicon, Inc.) |
| Орто-фталальдегид                  | Раствор CIDEX® OPA 0,55%                                            |                                                                                                                                                                                                      |
| Глутарал                           | «Сайдекс® плюс» (Cidex plus®)                                       |                                                                                                                                                                                                      |
| Глутарал                           | «СТЕРИГИД» (STERIHYTE®)<br>*<br>Концентрация раствора 2<br>м/об %   | «Маруиши Фармасьютикал Ко. Лтд.»<br>(Maruishi Pharmaceutical Co., Ltd.)                                                                                                                              |
| Бензетония хлорид                  | «Гиамин®» (Hyamine®)*<br>Концентрация раствора 0,1<br>м/об %        | «Даичи Санкио Ко. Лтд.» (DAIICHI<br>SANKYO Co., Ltd.)                                                                                                                                                |
| Дидецилдиметиламмоний<br>хлорид    | Cleanisept® Wipes *<br>Раствор 7,5 %                                | «Д-р Шумахер ГмбХ» (Dr.Schumacher<br>GmbH)                                                                                                                                                           |
| Перекись водорода                  | ANIOXYDE 1000 *<br>Раствор 0,15 %                                   | «Лабораторис АНИОС» (Laboratories<br>ANIOS)                                                                                                                                                          |
| Диметил-диоктил-аммоний-<br>хлорид | Gigasept® AF forte*<br>Раствор 2,0 %                                | «Шульке энд Майр» (Schulke & Mayr)                                                                                                                                                                   |
| Глутарал                           | «Корсолекс экстра» (Korsolex<br>extra)*                             | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                                  |
| Глутарал                           | «Корсолекс® Эндо-<br>Дезинфектант» (Korsolex Endo-<br>Disinfectant) | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                                  |

Примечание: \* указывает, что отмеченное дезинфицирующее средство не может применяться в Канаде.

## Высокоуровневая дезинфекция

| Общее название      | Торговое наименование                             | Производитель                                                                                                                                                                            |
|---------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода   | PERASAFE TM*<br>Концентрация раствора 1,62 м/об % | «АНТЕК ИНТЕРНЕШНЛ» (ANTEC INTERNATIONAL)                                                                                                                                                 |
| Перуксусная кислота | Acicide®*<br>Раствор 6 %                          | «Сарая Ко, Лтд» (Saraya Co., Ltd)                                                                                                                                                        |
| Глутаральдегид      | WAVICIDE®-01*<br>Раствор 2,65 %                   | «Медикал Кемикал Корпорейшн» (Medical Chemical Corp)                                                                                                                                     |
| Глутаральдегид      | РАСТВОР STERANIOS * 2,0%                          | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                 |
| Глутарал            | Раствор Cidex plus® 3,4%                          | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |

Примечание: \* указывает, что отмеченное дезинфицирующее средство не может применяться в Канаде.

**Осторожно!**

После дезинфекции тщательно промойте датчик деионизированной водой.

Остаточные дезинфицирующие средства могут вызвать побочные реакции у оператора или пациента.



## 10.Сушка

### А). Датчики (некритичные)

- 1) Для удаления влаги с поверхности оборудования протрите датчик одноразовой салфеткой без ворса или полотенцем.
- 2) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

### В). Датчики (полукритичные C25P)

- 1) Для удаления влаги с поверхности оборудования протрите датчик одноразовой салфеткой без ворса или полотенцем.
- 2) Просушите полости пневматическим пистолетом со сжатым воздухом. Сжатый воздух должен быть отфильтрован стерильным фильтром, который удаляет частицы воздуха размером менее 0,2 мкм. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 4) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Для удаления влаги с поверхности оборудования протрите аксессуар одноразовой салфеткой без ворса или полотенцем.
- 2) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

## 11.Техническое обслуживание, проверка и испытания

Проверьте следующие пункты

- 1) Функционирование механических подвижных частей.
- 2) Качество изображения при подключении датчика к сканеру.
- 3) Отсутствие ненормальных внешних повреждений, таких как трещины на поверхности оборудования.
- 4) Тесты безопасности (см. руководство по безопасности 4-1)

## 12.Упаковка

Храните дезинфицированный датчик в пылезащищенном помещении до следующего применения. Перед стерилизацией необходимо упаковать все детали в специальный пакет, пригодный для стерилизации, или в лоток с обертыванием согласно ISO 11607-1 и ISO 11607-2 «Упаковка для терминально стерилизованных медицинских приборов» и ISO/TS 16775 «Упаковка для терминально стерилизованных медицинских приборов – Руководство по применению ISO 11607-1 и ISO 11607-2» или по местной больничной процедуре. При упаковке и герметизации пакетов следуйте инструкциям производителя пакетов или местным правилам.

Проверьте герметизирующий шов после тепловой сварки на наличие дефектов. В случае ошибок или дефектов в процессе упаковки необходимо вскрыть заново, а устройство упаковать и запечатать заново.



### 13. Стерилизация

См. таблицу 1 «Применяемые методы очистки, дезинфекции и стерилизации» для существующих методов стерилизации. Следуйте инструкциям производителя стерилизатора относительно использования, температуры и времени стерилизации и т.д. Обработка и максимальная подача в камеру стерилизатора должны производиться в соответствии с инструкцией по эксплуатации стерилизатора.

#### 13-1. Газовая стерилизация окисью этилена (EtO)

Ниже приведены стерильные условия применяемых методов стерилизации.

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

##### 13-1-1. Стерилизация

|                                               |                   |
|-----------------------------------------------|-------------------|
| Выполняйте стерилизацию в следующих условиях: |                   |
| Типа газа:                                    | 10 % ЭО/90 % ГХФУ |
| Температура:                                  | 50–60 °C          |
|                                               | 122–140 °F        |
| Время воздействия:                            | Более 120 минут   |
| Давление:                                     | 162–200 кПа       |
| Понижение давления:                           | 13–8 кПа          |
| Относительная влажность:                      | 40–90%            |

##### 13-1-2. Воздухоочиститель

|                                         |          |
|-----------------------------------------|----------|
| Выполните аэрацию в следующих условиях: |          |
| Температура:                            | 53 °C    |
|                                         | 127,4 °F |
| Минимальное время аэрации               | 12 ч     |

#### Осторожно!



Не используйте водонепроницаемый чехол во время процесса стерилизации.



Проведите полную аэрацию после газовой стерилизации.

Остаточный газ может вызвать побочные реакции у оператора или пациента.



## 13-2. Стерилизация системой СТЕРРАД®

Ниже приведены стерильные условия применяемых методов стерилизации.

Ниже приведен список применяемых газов.

| Общее название              | Торговое наименование                                             | Производитель                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода<br>(58 %) | СТЕРРАД®<br>Система стерилизации<br>(СТЕРРАД® 100S, NX или 100NX) | «ЭДВАНСД СТЕРИЛИЗАЦИОННЫЕ ПРОДУКТЫ®»<br>(ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson & Johnson,<br>Division of Ethicon, Inc.) |

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

## Примечание.

Возможно некоторое обесцвечивание датчика, но это не влияет на его производительность или безопасность.

**Осторожно!**

Не используйте водонепроницаемый чехол во время процесса стерилизации.



Не используйте другие системы стерилизации при стерилизации датчика SML44.  
Это может привести к повреждению датчика и ухудшению производительности.  
используйте систему СТЕРРАД® 100S.

**Внимание**

Не стерилизуйте датчик с помощью системы STERRAD, если датчик не совместим со стандартом STERRAD. Совместимость со стандартом STERRAD отображается на этикетке STERRAD, размещенной на разъеме.

Выполняйте стерилизацию STERRAD только для датчиков, совместимых со стандартом STERRAD, в противном случае это может привести к повреждению или повреждению датчика.



\*Этикетка STERRAD



Не помещайте датчик непосредственно в стерилизационный пакет.\*

В противном случае пакет прилипает к кабелю и повреждает его. Полностью заверните весь датчик (включая головку датчика, кабель и разъем) стерилизационной пленкой\*, прежде чем положить его в стерилизационный пакет.\*

\*: продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.)

### 13-3. Жидкостная стерилизация (только в США)

- Применяемый химический раствор для стерилизации

Ниже перечислены применяемые химические растворы.

| Общее название      | Торговое наименование                                                   | Производитель                                                                                                                                                                                                      |
|---------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода   | PERASAFE <sup>®</sup><br>Концентрация раствора 1.62 м/об %              | «АНТЕК ИНТЕРНЕШНЛ» (ANTEC INTERNATIONAL)                                                                                                                                                                           |
| Перуксусная кислота | Acicide <sup>®</sup><br>Раствор 6 %                                     | «Сарая Ко, Лтд» (Saraya Co., Ltd)                                                                                                                                                                                  |
| Глутаральдегид      | WAVICIDE <sup>®</sup> -01*<br>Раствор 2,65 %                            | «Медикал Кемикал Корпорейшн» (Medical Chemical Corp)                                                                                                                                                               |
| Глутаральдегид      | STERANIOS*<br>Раствор 2,0 %                                             | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                                           |
| Глутарал            | «Сайдекс <sup>®</sup> плюс» (Cidex plus <sup>®</sup> )<br>Раствор 3,4 % | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС <sup>®</sup> » (ADVANCED STERILIZATION PRODUCTS <sup>®</sup> )<br>Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |

Примечание: \* указывает, что отмеченный стерилизатор не может применяться в Канаде.



#### Осторожно!



После химической стерилизации тщательно промойте датчик стерильной водой. Остаточный стерилизатор может вызвать побочные реакции у оператора или пациента.

### 13-4. Стерилизация системой СТЕРИС<sup>®</sup>

Список применяемых продуктов ниже.

| Общее название      | Торговое наименование          | Производитель       |
|---------------------|--------------------------------|---------------------|
| Перуксусная кислота | Система СТЕРИС 1Е <sup>®</sup> | СТЕРИС <sup>®</sup> |

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.



#### Внимание



Обязательно используйте водонепроницаемый чехол (WP-001).  
Без водонепроницаемого чехла разъем нельзя погружать в жидкость.





## 14.Хранение

Храните оборудование в прохладном, темном, сухом и защищенном от пыли месте, избегая воздействия высокой температуры, влажности и попадания прямых солнечных лучей.

Ограничения по времени хранения стерилизованного оборудования зависят от типа упаковки.

- **Производитель**  
 «ФУДЖИФИЛЬМ Хелскеа Корпорэйшн» (FUJIFILM Healthcare Corporation)  
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 +81-4-7131-4151  
<https://www.fujifilm.com/fhc/en>

|                                                                                                     |     |                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EC                                                                                                  | REP | «ФУДЖИФИЛЬМ Хелскеа Дойчланд ГмбХ»<br>(FUJIFILM Healthcare Deutschland GmbH)<br>Отто-фон-Герике-Ринг 3, D-65205 Висбаден, Германия<br>(Otto-von-Guericke-Ring 3, D-65205 Wiesbaden, Germany)                                                                                                                                                                   |
| <br>EC             |     | Подразделение «ФУДЖИФИЛЬМ Хелскеа Логистикс энд Сервисес<br>Цвайгнiederlassунг» (FUJIFILM Healthcare Logistics and Services<br>Zweigniederlassung)<br>компании «ФУДЖИФИЛЬМ Хелскеа Юроп Холдинг АГ»<br>(FUJIFILM Healthcare Europe Holding AG)<br>Отто-фон-Герике-Ринг 3, D-65205 Висбаден, Германия<br>(Otto-von-Guericke-Ring 3, D-65205 Wiesbaden, Germany) |
| <br>Великобритания |     | «ФУДЖИФИЛЬМ Хелскеа ЮК Лтд.» (FUJIFILM Healthcare UK Ltd.)<br>1 Дэви Клоуз, Парк Фарм Индастриал Истейт<br>(1 Davy Close, Park Farm Industrial Estate)<br>Веллингборо, Нортгемптоншир, NN8 6XX, Великобритания<br>(Wellingborough, Northamptonshire, NN8 6XX, United Kingdom)                                                                                  |
|                  |     | «ФУДЖИФИЛЬМ Хелскеа Америкас Корпорэйшн»<br>(FUJIFILM Healthcare Americas Corporation)<br>1959 Саммит Коммерс Парк, г. Твинсберг, Огайо 44087, США<br>(1959 Summit Commerce Park, Twinsburg, OH 44087 USA)                                                                                                                                                     |

Дистрибьютор

# FUJIFILM

## Датчик

# Руководство по эксплуатации Безопасность

### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-5982 Ред. 14

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Q1E-EP1481-14

**CE0197**



## Список совместимых ультразвуковых датчиков

| Модель |
|--------|
| C251   |
| C25P   |
| C35    |
| L441   |
| C252   |
| C253   |
| L442   |
| C23RV  |
| C23    |
| L35    |

## Введение

Это руководство по технике безопасности для нашего ультразвукового датчика (см. «Список применимых датчиков» на стр. ii). Внимательно прочитайте это руководство перед использованием и сохраните его для дальнейшего использования.

На датчике находится маркировка «СЕ», которая действительна только при использовании датчика с УЗИ аппаратом с маркировкой «СЕ».

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                     |                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|    | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|  | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                     | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 4 страницы вступительной части и 20 страниц основного содержания.



## 1. Меры предосторожности

Внимательно прочитайте эту главу перед началом работы для правильного обращения с датчиком.

### 1-1. Меры предосторожности

В этом разделе описаны предупреждения, предостережения, принцип работы и маркировки для безопасного использования датчика.

#### 1-1-1. Предупреждения и предостережения

При работе с датчиком необходимо учитывать следующие предупреждения и предостережения.



### Осторожно!



Используйте датчик и сопутствующие изделия, следуя инструкциям в прилагаемой документации :: руководстве, прилагаемым к любому оборудованию, используемому вместе с датчиком. Любое использование, отличное от указанного в прилагаемой документации, может привести к серьезным или умеренным травмам, поломке оборудования или физическому повреждению, которое может ухудшить работу.



Подготовьтесь к использованию

Оператор и пациент могут получить травму, если оборудование неисправно. Обратитесь к отдельному руководству по эксплуатации «Характеристики» для подготовки перед использованием. Если в оборудовании обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке.



Этот датчик не должен находиться в прямом контакте с сердцем.

Это может привести к поражению пациента электрическим током.



Не применяйте данный датчик на глазах.

Этот датчик не предназначен для использования на глазах. Ультразвуковое излучение может оказать вредное воздействие на глаза.



Не пытайтесь разобрать, модифицировать или отремонтировать датчик.

Возможны поражение электрическим током или другие непредвиденные ситуации. Обратитесь в нашу компанию по контактам, указанным на задней обложке, чтобы запросить ремонт.



Очистите, продезинфицируйте и простерилизуйте датчик перед использованием в соответствии с требованиями.

Выполните процедуру обработки сразу после использования, иначе существует риск инфицирования. Обратите внимание, что датчик не подвергается стерилизации на заводе-изготовителе. Очистите, продезинфицируйте и простерилизуйте его перед первым использованием.



Во время осмотра наденьте медицинские перчатки.

Проведение осмотра голыми руками может подвергнуть оператора риску заражения.



Утилизируйте датчики, используемые для пациентов с болезнью Крейцфельда—Якоба.

В противном случае существует риск заражения оператора или пациента. Наш ультразвуковой датчик не совместим с каким-либо методом очистки/дезинфекции/стерилизации при болезни Крейцфельда—Якоба.



Обратитесь к прилагаемой документации ультразвукового контрастного вещества для его использования. Непредвиденные несчастные случаи могут возникнуть из-за неправильного использования агента. Учитывайте состояние пациента и побочные эффекты.



Не используйте датчик и держатель магнитного датчика, если он упал на пол, в противном случае существует риск заражения.

Прекратите его использование и выполните процедуру переработки, описанную в отдельном руководстве по эксплуатации «Очистка, дезинфекция и стерилизация», и подготовьте его к использованию, как описано в отдельном руководстве по эксплуатации «Характеристики».



## Внимание



Постоянно следите за нормальным состоянием пациента и датчика. Неисправность оборудования может привести к травме оператора или пациента. Если обнаружена какая-либо неисправность, немедленно прекратите его использование.



Не используйте датчик с другим оборудованием за исключением того, которое указано в отдельном руководстве по эксплуатации «Характеристики».

Использование с неодобренным оборудованием может привести к поражению электрическим током, ожогу или другим травмам пациента или оператора. Также приводит к повреждению датчика и другого оборудования.



Сканируйте в течение минимально необходимого времени на минимально возможной частоте излучения.

Акустическая мощность может повлиять на внутренние ткани пациента.

За подробностями об акустической мощности, пожалуйста, обратитесь к документации, приложенной к УЗИ аппарату.



Регулярно выполняйте тесты безопасности и тест производительности датчика.

Следует регулярно производить тестирование датчика на изменение производительности.

Если в ходе тестирования обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке



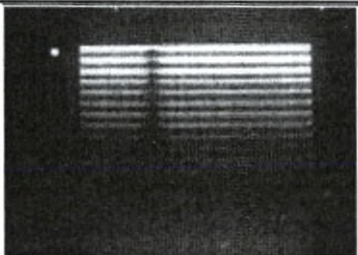
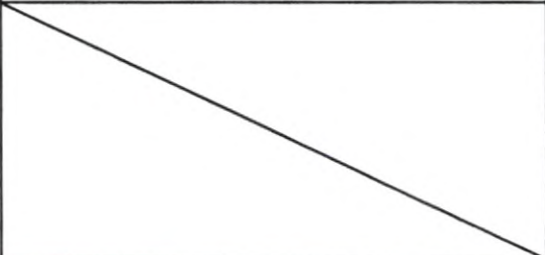
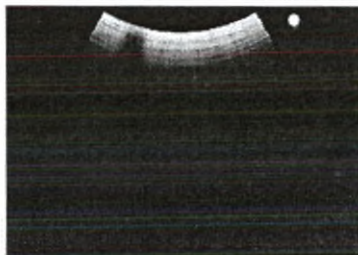
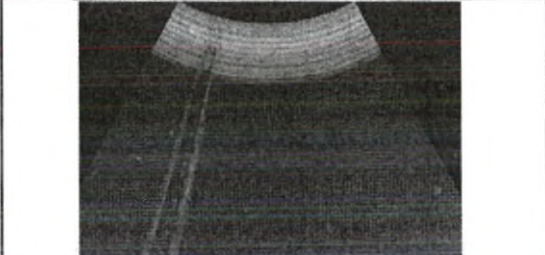
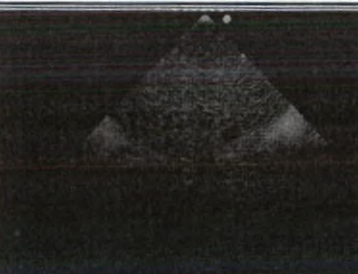
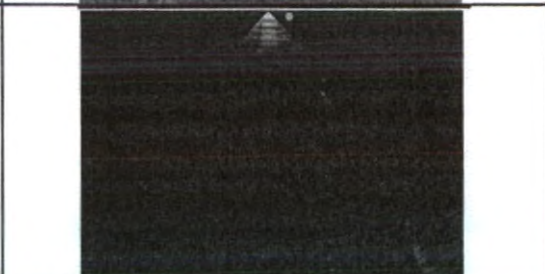
Не работайте с датчиком в условиях, отличных от указанных в данном руководстве, в противном случае он может быть поврежден.

См. раздел 1-3 «Условия эксплуатации», раздел 2-2 «Условия хранения» и раздел 3-3 «Условия окружающей среды при транспортировке».



Не подвергайте источник ультразвукового излучения сильному воздействию.

Воздействие может привести к повреждению преобразователя, что приведет к появлению шумов или отсутствию эха на изображении. В большинстве случаев источник ультразвукового излучения не повреждается, так как он сделан из эластичного материала.

| Вид сканирования       | Нет эха (пример)                                                                    | Шум (пример)                                                                         |
|------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Линейное сканирование  |  |  |
| Выпуклое сканирование  |  |  |
| Секторное сканирование |  |  |

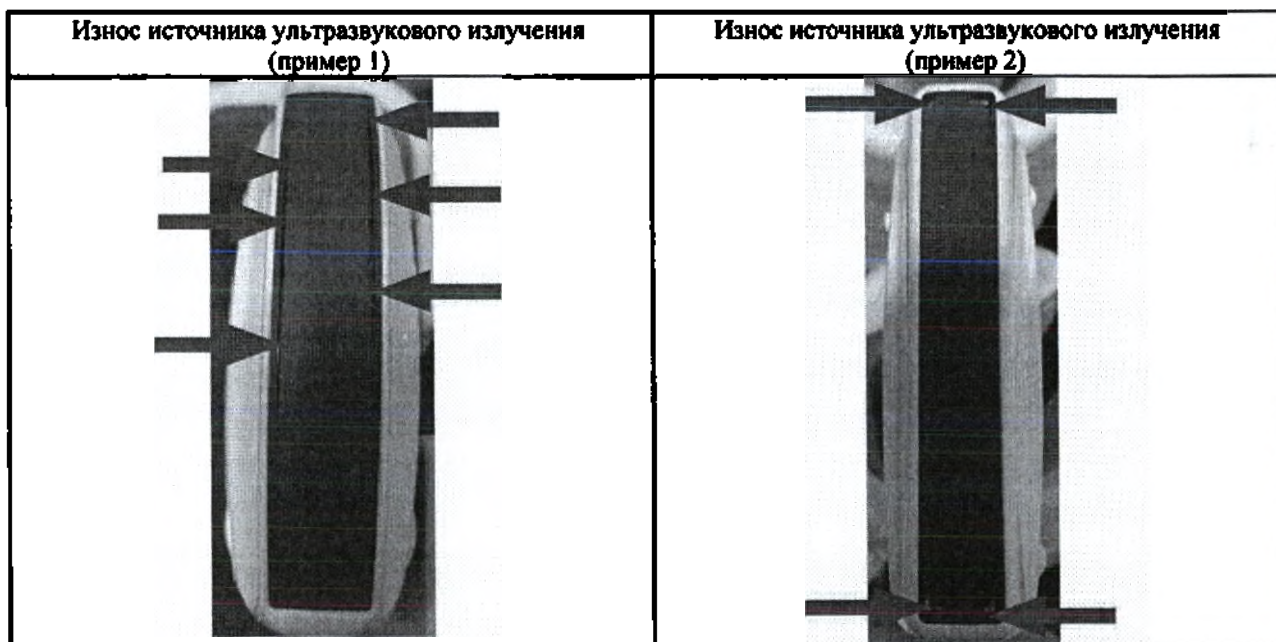
## Примечание

Не используйте грубую ткань или другой абразивный материал для протирания источника ультразвукового излучения для удаления проводящего геля или во время очистки, дезинфекции или стерилизации датчика.

Источник ультразвукового излучения покрыт тонким резиновым материалом, который можно легко повредить и сделать источник ультразвукового излучения непригодным для использования, если его протереть абразивным материалом.

Во время обследования используйте большое количество проводящего геля.

Увеличение трения в результате использования недостаточного количества проводящего геля может вызывать дискомфорт у пациента и чрезмерный износ источника ультразвукового излучения.





## 1-1-2. Меры предосторожности при выполнении пункции

При выполнении пункции необходимо учитывать следующие предупреждения и предостережения.

**Осторожно!**

Внимательно прочитайте меры предосторожности при использовании в документации, прилагаемой к адаптеру для выполнения пункции. Подготовьтесь к использованию.



Пункцию может выполнять только квалифицированный врач.

Пункция, выполненная ненадлежащим образом, может привести к травме пациента. Пункция должна выполняться квалифицированным врачом, который обладает глубокими знаниями о выполнении пункции под контролем УЗИ.



Адаптер для выполнения пункции необходимо очистить и простерилизовать перед использованием.

Выполните процедуру обработки сразу после использования, иначе существует риск инфицирования.

Обратите внимание, что адаптер для взятия пункции не подвергается стерилизации на заводе-изготовителе. Очистите, продезинфицируйте и простерилизуйте его перед первым использованием.



Выполняйте пункцию в стерильных медицинских перчатках.

Выполнение пункции голыми руками может подвергнуть пациента или оператора риску заражения.



Адаптер для пункции должен быть правильно прикреплен к датчику.

Если адаптер неправильно подключен к датчику, он может отсоединиться от датчика во время работы, что может привести к травме пациента. Подробная информация по установке пункционного адаптера приведена в документации, прилагаемой к пункционному адаптеру.



Простерилизуйте адаптер для пункции и иглу перед использованием.

Нестерильные изделия могут вызвать инфекцию. Подробнее о процедуре стерилизации адаптера для пункции читайте в документации, прилагаемой к адаптеру для пункции.



При использовании защитного чехла датчика, входящего в комплект адаптера для пункции, убедитесь в отсутствии пузырьков воздуха в защитном чехле, закрывающем датчик.

Пузырьки воздуха под защитным чехлом датчика могут привести к постановке неправильного диагноза из-за изображения плохого качества или неправильной передачи изображения.



Используйте стерильный физиологический раствор в качестве проводящего геля. Использование нестерильного проводящего геля для УЗИ может привести к инфицированию пациента.



Используйте иглу, которая подходит для использования с адаптером для выполнения пункции.

Использование иглы, несовместимой с пункционным адаптером, может привести к нежелательному проколу и травмированию пациента. Обратитесь к документации, поставляемой с адаптером для пункции за подробностями о размерах совместимых игл.



Всегда используйте прямую иглу.

Использование деформированной иглы может привести к непреднамеренному проколу и травмировать пациента.



Бережно обращайтесь с иглой для пункции.

Повторное использование иглы может привести к заражению оператора или пациента.



Отображайте направление прокола на мониторе аппарата УЗИ во время выполнения пункции.

Выполнение пункции без использования направления может привести к непреднамеренному проколу других тканей.

Отобразите направление прокола на мониторе, чтобы помочь в определении направления пункции.



Перед выполнением пункции убедитесь, что ЭХО-насечка отображается по всей длине иглы в воде при температуре 40°C (104°F).



Проконтролируйте положение иглы и безопасность пути иглы во время прокола.

Игла может деформироваться, что может привести к непреднамеренному проколу и травмированию пациента.

- 
-  До выполнения прокола убедитесь, что на пути иглы нет других органов или слепых зон.  
 Если на пути иглы есть другой орган или слепая зона, то этот орган может быть случайно проколот, что может привести к травме пациента.

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  -  Убедитесь, что на пути иглы находится только целевой орган.  
 Если на пути иглы есть другой орган, то этот орган может быть случайно проколот, что может привести к травме пациента. Проконтролируйте положение иглы и безопасность пути иглы во время прокола.

---

  -  Не применяйте силу при выполнении пункции.  
 Игла может деформироваться, если к игле приложено чрезмерное усилие в направлении, отличном от направления введения. Это может привести к случайному проколу другого органа и травме пациента.

---

  -  Подробную информацию о повторном использовании и утилизации пункционных игл см. в документации, прилагаемой к таким иглам.  
 Повторное использование пункционных игл, предназначенных для одноразового применения, или их неправильная утилизация могут привести к заражению.

---

  -  Не используйте одноразовый адаптер для пункции и защитный чехол для датчика. Использование нестерилизованного покрытия может привести к инфекционному заражению пациента.

---

  -  Не используйте адаптер для пункции, если он упал на пол, в противном случае существует риск заражения.  
 Прекратите его использование и выполните процедуру обработки, описанную в руководстве по эксплуатации адаптера для пункции.

---

  -  Прежде чем использовать канюлю с адаптером для прокола в качестве направляющей, сначала убедитесь, что канюля плавно проходит через адаптер для прокола, не вызывая повреждений на поверхности канюли, а затем действуйте осторожно.  
 Если канюля не движется плавно или изгибается при вставке или извлечении из адаптера, изоляционная мембрана, покрывающая канюлю, может быть повреждена, а поврежденная канюля может вызвать ожоги ткани.

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  -  Не выполняйте прокол в непосредственной близости от сердца.  
 Прокол в непосредственной близости от сердца может вызвать микроэлектрический шок.

---

## Внимание

- 
-  Бережно обращайтесь с иглой, чтобы не повредить датчик или другие изделия.  
 Использование датчика, поврежденного иглой, может привести к травме оператора или пациента.

---

  -  Заранее выясните, есть ли у пациента аллергия на металлы.  
 Если у пациента есть аллергия на нержавеющую сталь, адаптер для пункции может быть опасен для пациента как аллергический риск.

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## Примечание

Перед проведением операции по выполнению пункции на пациенте проверьте относительную безопасность не только оборудования, непосредственно связанного с операцией, но также периферийного оборудования и измерительных приборов.

## 1-1-3. Меры предосторожности при очистке, дезинфекции и стерилизации

При очистке, дезинфекции и стерилизации датчика и дополнительных приспособлений необходимо обратить внимание на следующие предупреждения и предостережения.

### Осторожно!

-  Во время чистки, дезинфекции и стерилизации надевайте перчатки и другие средства защиты. Обращение с датчиком голыми руками перед дезинфекцией или стерилизацией может привести к инфекции.
-  После замачивания датчика в чистящем средстве тщательно промойте датчик проточной водой. Остаточные реагенты могут вызвать побочные реакции у оператора или пациента.
-  После химической дезинфекции и стерилизации тщательно промойте датчик стерильной водой. Остаточные реагенты могут вызвать побочные реакции у оператора или пациента.
-  Проведите полную аэрацию после газовой дезинфекции и стерилизации. Остаточный газ может вызвать побочные реакции у оператора или пациента.
-  Не очищайте, не дезинфицируйте и не стерилизуйте с помощью процедур, не указанных в данном руководстве.  
Несоблюдение мер по очистке, дезинфекции и стерилизации оборудования может привести к заражению. Кроме того, это может привести к повреждению датчика или снижению его производительности. Датчик не переносит стерилизации в автоклаве или кипячения, а также другие виды стерилизации при температурах, превышающих 60 °C (140 °F).
-  Подробнее об условиях использования химикатов и процедурах стерилизации см. в документации, поставляемой вместе с соответствующим химикатом или стерилизационным оборудованием.  
Дезинфекция или стерилизация, выполненные ненадлежащим образом, могут привести к заражению. Неправильная процедура дезинфекции и стерилизации может привести к повреждению датчика.

### Внимание

-  Не погружайте датчик в жидкости, выходя за пределы диапазона IPX7. Диапазон водонепроницаемости указан в отдельном руководстве по эксплуатации «Характеристики». Если какая-либо жидкость попадет в разъем, немедленно прекратите использование датчика, иначе это может привести к поражению электрическим током оператора или пациента.  
Обратитесь в один из наших офисов и (или) офисы дистрибьюторов, контакты которых перечислены на задней обложке.
-  Не протирайте спиртом область ультразвукового излучения.  
Спирт может повредить эту область. Если необходимо протереть спиртом, протрите как можно легче.
-  Не используйте органический растворитель для очистки, чтобы предотвратить повреждение.
-  Не используйте твердые или острые предметы для удаления загрязнений с поверхности датчика. Такие предметы могут повредить датчик.



## 1-1-4. Принцип действия

Данный датчик и аппарат УЗИ позволяют проводить диагностику с помощью ультразвуковых волн. Принципы работы данного оборудования описаны ниже.

- 1) После передачи электрического импульсного сигнала из передатчика в преобразователь датчика последний преобразует электрические сигналы в энергию механических вибраций для излучения импульсообразных ультразвуковых волн в часть тела, жидкость или другую среду, которые соприкасаются с преобразователем.
- 2) Излучаемые ультразвуковые волны отражаются от границ с различными акустическими характеристиками (акустическим сопротивлением) тканей тела.
- 3) Преобразователь также используется для приема отраженных ультразвуковых волн. Принимаемые ультразвуковые волны вызывают в преобразователе механические вибрации, которые он преобразует в электрическую энергию. Затем электрические сигналы с помощью модуляции яркости преобразуются в различные по степени яркости оттенки для получения изображения.

## 1-1-5. Маркировка

Значения каждой маркировки на датчике и чехле для хранения приведены ниже.

## (1) Маркировка на датчике

На датчике имеются маркировки «Частота», «Безопасность», «Производитель».

## • Маркировка частоты

На маркировке указаны диапазон частоты и тип сканирования. Цифры на маркировке обозначают диапазон частоты и тип сканирования, см. таблицу 1.

Таблица 1. Маркировка частоты

| Вид сканирования | Секторное сканирование                                                              | Радиальное сканирование                                                             | Выпуклое сканирование                                                                 | Линейное сканирование                                                                 |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Маркировка       |  |  |  |  |

• Маркировка безопасности

Значение каждого символа на маркировке безопасности (рисунок 1) описано в таблице 2.



Рисунок 1. Маркировка безопасности

Таблица 2. Отметка и значение символов на маркировке безопасности

| Отметка                                                                             | Значение                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CE 0197</b>                                                                      | Это устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS).                                                    |
| <b>IPX7</b>                                                                         | Отметка диапазона IPX7<br>См. отдельное руководство по эксплуатации «Характеристики».                                                                                                                              |
|   | Рабочая часть типа BF                                                                                                                                                                                              |
|  | Не утилизируйте устройство как обычный мусор.<br>Соблюдайте правила местного законодательства.<br>См. раздел 5.                                                                                                    |
|  | Знак совместимости с системами стерилизации STERRAD                                                                                                                                                                |
|  | Предупреждающий знак                                                                                                                                                                                               |
|  | Биологическая опасность<br>Обратитесь к отдельному руководству «Очистка, дезинфекция и стерилизация».                                                                                                              |
|  | При работе с данным устройством следуйте инструкциям, приведенным в руководстве по эксплуатации.<br>Неправильная эксплуатация может повлечь за собой травмы, повреждение имущества или неисправность оборудования. |
|  | Предупреждающий знак об электрической опасности<br>Использование поврежденного датчика может привести к поражению электрическим током.                                                                             |
| <b>MD</b>                                                                           | Медицинское изделие                                                                                                                                                                                                |

• Маркировка производителя

Маркировка производителя (рисунок 2) содержит следующую информацию:

- Производитель
- Модель, серийный номер
- Только по рецепту: только по назначению врача. Федеральный закон США предусматривает продажу этого устройства только по назначению врача.
- UDI, УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА

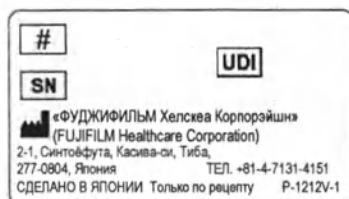


Рисунок 2. Маркировка производителя

(2) Маркировка на чехле для хранения

«Маркировка CE» расположена на чехле для хранения.



Рисунок 4. Маркировка CE

| Отметка     | Значение                                                                                                                                                                                                                                                         | Отметка | Значение                                                                                                                                 |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------|
|             | Это устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS).                                                                                                  |         | Импортер для Европейской экономической зоны (ЕЕА) представляется в соответствии с директивами Европейского союза 93/42/ЕЕС и 2011/65/EU. |
| <br>2021-04 | ДАТА ПРОИЗВОДСТВА<br>Номер под знаком обозначает год и месяц производства. (в данном случае 2021-04)<br>СТРАНА ПРОИЗВОДСТВА<br>В маркировке указан код страны-производителя, определенный Международной организацией по стандартизации (в данном случае ЯПОНИЯ). |         | НОМЕР МОДЕЛИ                                                                                                                             |
|             | ПРОИЗВОДИТЕЛЬ                                                                                                                                                                                                                                                    |         | СЕРИЙНЫЙ НОМЕР                                                                                                                           |
|             | УПОЛНОМОЧЕННЫЙ ПРЕДСТАВИТЕЛЬ В ЕВРОПЕЙСКОМ СООБЩЕСТВЕ                                                                                                                                                                                                            |         | УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА                                                                                                      |



## 1-2. Процедура безопасности

Если в датчике обнаружены какие-либо отклонения, выполните следующие процедуры.

## 1-2-1. Обеспечение безопасности пациентов

Немедленно прекратите использование датчика и уберите его подальше от пациента.

Обеспечьте безопасность пациента и необходимое медицинское вмешательство.

## 1-2-2. Обслуживание аппарата УЗИ

Выключите аппарат УЗИ, отключите от сети и простерилизуйте, если он загрязнен. Подробности см. в руководстве по эксплуатации УЗИ аппарата.

**Внимание**

Не используйте датчик, если выявлена неисправность.

Использование датчика в неисправном состоянии может привести к травме пациента. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

## 1-3. Условия эксплуатации

Условия эксплуатации и хранения оборудования:

|                                 |                    |
|---------------------------------|--------------------|
| Температура окружающей среды    | от 10 до 40 °C     |
|                                 | от 50 до 104 °F    |
| Относительная влажность воздуха | от 30 до 75%       |
| Атмосферное давление            | от 700 до 1060 гПа |
| Высота                          | 3000 м и ниже      |

**Внимание**

Избегайте быстрого изменения температуры, которое может привести к образованию конденсата.

Не используйте датчик в местах, где могут образоваться конденсат или капли воды.

При перемещении датчика из холодного места в теплое может образоваться конденсат. Использование в таких условиях может привести к неисправности или снижению производительности датчика.

## 2. Хранение

Процедура подготовки к хранению и условия хранения описаны ниже.

### 2-1. Процедура подготовки к хранению

В случае, если датчик не будет использоваться в течение длительного периода времени, выполните процедуры, описанные в отдельном руководстве «Очистка, дезинфекция и стерилизация», а затем храните его в чехле для хранения.



### Внимание



Храните кабель без надломанных сгибов в чехле для хранения, иначе это может привести к отсоединению кабеля.

---

### 2-2. Условия хранения

|                                 |                    |
|---------------------------------|--------------------|
| Температура окружающей среды    | от -10 до 50 °C    |
|                                 | от 14 до 122 °F    |
| Относительная влажность воздуха | от 10 % до 90 %    |
| Атмосферное давление            | от 700 до 1060 гПа |





### 3. Перемещение и транспортировка

В этом разделе под перемещением понимается перенос датчика в пределах учреждения, а под транспортировкой – перемещение на транспортном средстве или отправка оборудования на ремонт.

#### 3-1. Подготовка датчика и принадлежностей к перемещению

Храните оборудование в чехле для хранения после выполнения процедуры переработки, описанной в отдельном руководстве «Очистка, дезинфекция и стерилизация».

#### 3-2. Транспортная упаковка

После выполнения процедуры, описанной в отдельном руководстве «Очистка, дезинфекция и стерилизация», используйте чехол для хранения, а затем поместите этот чехол в картонную коробку для дополнительной защиты.

#### 3-3. Условия окружающей среды при транспортировке

|                                 |                                    |
|---------------------------------|------------------------------------|
| Температура окружающей среды    | от -10 до 50 °C<br>от 14 до 122 °F |
| Относительная влажность воздуха | от 10 % до 90 %                    |
| Атмосферное давление            | от 700 до 1060 гПа                 |

---

#### Примечание

Датчик является точным оборудованием и уязвим к физическим воздействиям. Обеспечьте его защиту, упакуйте надлежащим образом для транспортировки.

Обратитесь в нашу компанию по контактам, указанным на задней обложке, при транспортировке датчика.

---

## 4. Периодическая проверка

Пожалуйста, проведите следующие испытания на безопасность и тесты производительности для безопасного использования.

### 4-1. Испытания на безопасность

Испытания на безопасность должны проводиться не реже одного раза в год квалифицированным специалистом. Протоколы испытаний должны храниться для дальнейшего использования.

#### Примечание 1

*Квалифицированный специалист:* сотрудник, проводящий испытания на безопасность медицинского электрооборудования.

При необходимости привлечения соответствующего квалифицированного специалиста сервисный персонал, обученный нами, может провести испытания за счет заказчика. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

#### Примечание 2

Сделайте копию технического паспорта проверки безопасности, приведенного в руководстве по эксплуатации УЗИ аппарата. Используйте эту копию для регистрации результатов испытаний.

Процедура периодических испытаний на безопасность и вынесения решений

#### (1) Проверка тока утечки от области, контактирующей с пациентом к земле

Проводите испытания в соответствии с IEC 60601-1:2005 8.7.4. а) На рисунке 15 показана измерительная схема для испытания.

Замочите рабочую часть датчика и часть, рассматриваемую как рабочая, в физиологическом растворе, и измерьте ток утечки от области, контактирующей с пациентом, к земле. Рабочая часть датчика и часть, рассматриваемая как рабочая, указаны в отдельном руководстве «Характеристики».

- (2) Испытание тока утечки на пациента, вызванного внешним напряжением на прикладываемой детали типа F к телу пациента. Проведите испытание в соответствии с 60601-1 8.7.4.7 b) На рисунке 16 показана измерительная схема для испытания. Замочите рабочую часть датчика и часть, рассматриваемую как рабочая, в физиологическом растворе 0,9% и измерьте ток утечки на пациента, вызванный внешним напряжением при подключении к пациенту части F-типа. Рабочая часть датчика и часть, рассматриваемая как рабочая, указаны в отдельном руководстве «Характеристики».

Таблица 3. Стандартные значения для периодических испытаний безопасности (выдержка из IEC 60601-1)

| Пункт                                                                                                     | Нормальное состояние | Условие единичного нарушения |
|-----------------------------------------------------------------------------------------------------------|----------------------|------------------------------|
| (1) Ток утечки от области, контактирующей с пациентом, к земле                                            |                      |                              |
| Постоянный ток                                                                                            | 10 мкА или менее     | 50 мкА или менее             |
| Переменный ток                                                                                            | 100 мкА или менее    | 500 мкА или менее            |
| (2) Ток утечки на пациента, вызванный внешним напряжением при подключении к пациенту рабочей части F-типа |                      | 5000 мкА или менее           |

**Осторожно!**

Проводите испытания на безопасность не реже одного раза в год и регистрируйте полученные результаты. Незамеченное ненормальное состояние во время использования датчика может привести к травме оператора или пациента. Если в процессе тестирования датчика обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке.

**4-2. Тест производительности**

Выполняйте измерения, указанные ниже, с использованием ультразвукового фантома\* не реже одного раза в год. Протоколы испытаний должны храниться для дальнейшего использования.

- Чувствительность
- Разрешение

**Примечание 1**

Сделайте копию технического паспорта проверки точности измерений, приведенного в руководстве по эксплуатации УЗИ аппарата. Используйте эту копию для регистрации результатов испытаний.

**Примечание 2.**

Ультразвуковой фантом состоит из вещества, похожего на ткани человеческого тела по своему отклику на ультразвуковые волны.

Области с различными текстурами и мишенями, расположенными с заданными интервалами, встроены в фантом. Некоторые двойники содержат механизм для измерения в доплеровском режиме. Фантом используется для проверки работы датчика и аппарата УЗИ, а также для настройки параметров изображения.

**4-2-1. Проведение тестов**

У некоторых типов ультразвуковых фантомов есть мишени с узкими промежутками между ними для настройки разрешения.

Это позволяет проверить уровень детализации изображений, которые можно просматривать на мониторе. У фантомов без мишеней разрешение определяется равномерностью отображаемых текстур. Чувствительность может быть определена путем изучения яркости ультразвуковых изображений. Другие факторы, влияющие на разрешение, включают тип подключенного датчика, усиление, фокус и записывающий инструмент. Конкретные условия тестирования должны быть подробно записаны, чтобы обеспечить сравнение при следующей проверке.

**4-2-2. Оценка результатов**

Сравните полученное значение со значением, записанным в последнем тесте. Если между этими двумя значениями есть существенная разница, текущее значение считается ненормальным.

Важно отметить, что разрешение варьируется в зависимости от типа ультразвукового фантома, и фантомы, как правило, со временем ухудшаются.

**Внимание**

Не используйте датчик или аппарат УЗИ, если обнаружены какие-либо неисправности. Иначе может быть поставлен неправильный диагноз. Обратитесь в нашу компанию по контактам, указанным на задней обложке.



## 5. Утилизация устройства

Переработку или утилизацию оборудования следует осуществлять надлежащим образом в соответствии с внутренними правилами компании и требованиями местного законодательства.

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### Внимание

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Прежде чем утилизировать оборудование, продезинфицируйте его или примите другие меры по профилактике инфекции.

Утилизация оборудования без соблюдения надлежащих профилактических мер может привести к заражению.

---

### **Директива об утилизации отработанного электрического и электронного оборудования (WEEE)**

В соответствии с Директивой ЕС по утилизации электрического и электронного оборудования (WEEE) графический знак, изображенный справа, требуется размещать на любом электрическом и электронном оборудовании.

Для надлежащей утилизации данного изделия в стране ЕС обратитесь в наш офис или агентство в ЕС и соблюдайте соответствующие местные и национальные нормы и законы.



Эта страница намеренно оставлена пустой

**Эта страница намеренно оставлена пустой**



■ Производитель



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Дистрибьютор

## Датчик L442

### Руководство по эксплуатации Характеристики

#### Примечания для операторов и ответственного обслуживающего персонала

Пожалуйста, внимательно прочитайте данное руководство по эксплуатации, а также отдельное руководство по эксплуатации «Безопасность (MN1-5982)» и «Очистка, дезинфекция и стерилизация (MN1-5998)» перед использованием.

- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-6423 Ред. 2

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CE0197





## Введение

Это руководство по эксплуатации датчика L442. Ультразвуковой датчик подключается к нашему УЗИ аппарату и в основном используется для исследования поверхностных органов.

Перед использованием прочитайте данное руководство, а также отдельное руководство «Безопасность», в котором содержится информация по безопасному использованию.

На датчике находится маркировка «СЕ», которая действительна только при использовании датчика с УЗИ аппаратом с маркировкой «СЕ».

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                     |                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|   | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|  | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                     | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 4 страницы вступительной части и 8 страниц основного содержания.



## 1. Общая информация

Общая информация об ультразвуковом датчике приведена ниже.

### 1-1. Предусмотренное применение

Этот датчик предназначен для использования врачами и другими квалифицированными операторами.

Ультразвуковой датчик контактирует с телом пациента для исследования окружающих его органов.

Пожалуйста, обратитесь к инструкции по эксплуатации УЗИ аппарата, используемого с этим ультразвуковым датчиком, для информации о назначении датчика.

Относительно совместимого оборудования, пожалуйста, обратитесь к разделу 2-1. Характеристики данного руководства.



### Осторожно!



Не используйте это оборудование не по назначению.

В противном случае это может привести к ожогам или другим травмам оператора или пациента.

### 1-2. Классификация медицинского электрооборудования

Этот ультразвуковой датчик классифицируется следующим образом в соответствии с IEC60601-1.

Пожалуйста, обратитесь к разделу 2-1 относительно рабочей части, детали, рассматриваемой как рабочая часть, и диапазона IPX7.

- Классификация по степени защиты от поражения электрическим током ..... Рабочая часть типа BF
- Классификация по степени защиты от попадания жидкостей ..... IPX7 (водонепроницаемое оборудование)
- Режим работы ..... Непрерывный
- Метод стерилизации ..... Обратитесь к отдельному руководству по эксплуатации  
«Очистка, дезинфекция и стерилизация»

### 1-3. Стандартные компоненты

Стандартный комплект датчика L442 включает следующие компоненты.

|                                                        |             |
|--------------------------------------------------------|-------------|
| Датчик L442 .....                                      | 1 комплект  |
| Чехол для хранения .....                               | 1 комплект  |
| Руководство по эксплуатации                            |             |
| • Характеристики (MN1-6423) .....                      | 1 экземпляр |
| • Безопасность (MN1-5982) .....                        | 1 экземпляр |
| • Очистка, дезинфекция и стерилизация (MN1-5998) ..... | 1 экземпляр |



## 1-4. Дополнительные комплектующие

Следующие изделия доступны для использования с датчиком L442.

- Пункция

Используйте для выполнения пункции компоненты набора, перечисленные в таблице 1. По вопросам использования держателя соединительного устройства, пожалуйста, обратитесь к прилагаемой к изделию документации.

Таблица 1. Набор для биопсии

| Название изделия                     | Номер изделия |
|--------------------------------------|---------------|
| Держатель соединительного устройства | EZU-PA7L1     |

- Защитный чехол датчика

Если вам требуется защитный чехол для датчика, существует возможность заказа дополнительного оборудования, указанного в таблице 2. По вопросам использования чехла для датчика, пожалуйста, обратитесь к прилагаемой к чехлу для датчика документации.

Таблица 2. Информация для заказа защитного чехла для датчика

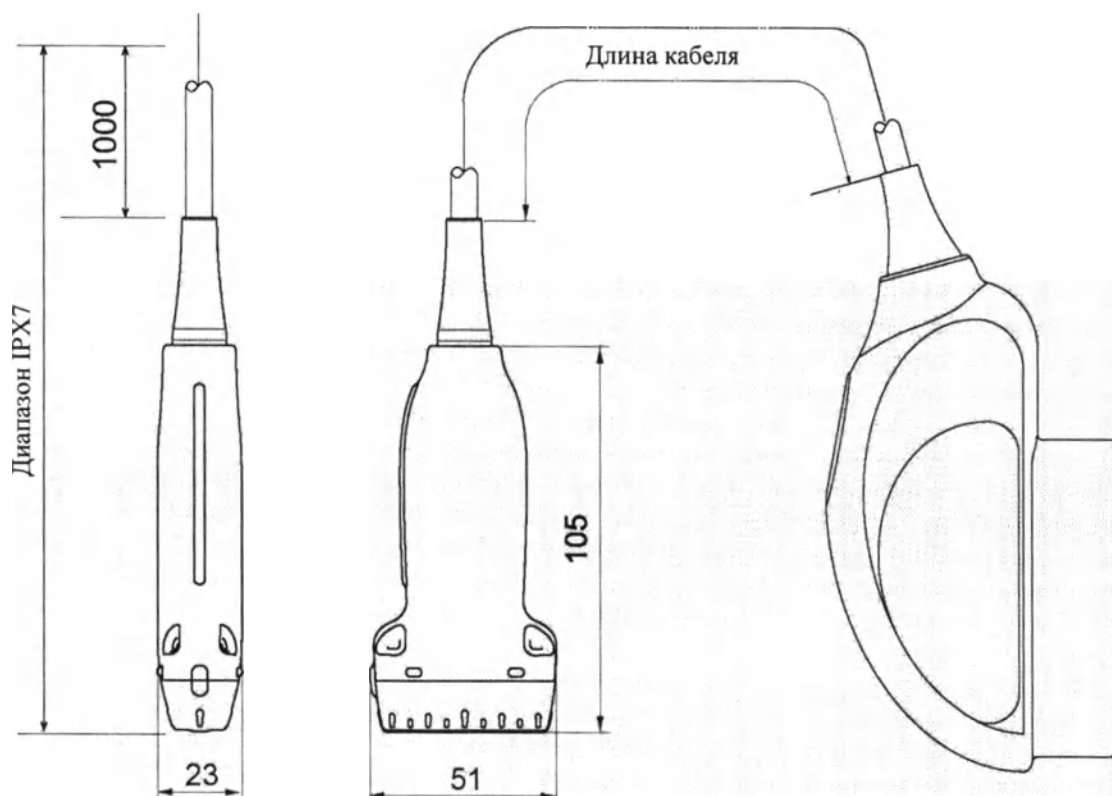
| Название изделия                 | Номер изделия |
|----------------------------------|---------------|
| Чехлы для преобразователей CIVCO | 610-542       |

## 2. Характеристики и названия инструментов

Характеристики и названия каждого инструмента приведены ниже.

### 2-1. Характеристики

|                                                                                                                                                                                                                                                                               |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Применение:                                                                                                                                                                                                                                                                   | Сонная артерия                                                                        |
| Тип контакта с пациентом:                                                                                                                                                                                                                                                     | Поверхностный                                                                         |
| Совместимое оборудование:                                                                                                                                                                                                                                                     | АРИЭТТА (ARIETTA) 65                                                                  |
| ПРИМЕЧАНИЕ:<br>На момент публикации данного руководства версия совместимого УЗИ аппарата или программного обеспечения данного датчика отличалась для каждой страны, пожалуйста, обратитесь к руководству по эксплуатации прибора или к местному представителю нашей компании. |                                                                                       |
| Угол обзора:                                                                                                                                                                                                                                                                  | 38 мм                                                                                 |
| Частота:                                                                                                                                                                                                                                                                      | 7,0 МГц                                                                               |
| Длина кабеля:                                                                                                                                                                                                                                                                 | 2,2 м                                                                                 |
| Срок службы:                                                                                                                                                                                                                                                                  | 3 года                                                                                |
| Рабочая часть:                                                                                                                                                                                                                                                                | Головка ультразвукового датчика, включая источник ультразвуковых волн, см. раздел 2-2 |
| Деталь, рассматриваемая как рабочая:                                                                                                                                                                                                                                          | Кабель длиной до 1 метра, считая от головки датчика                                   |
| Диапазон IPX7                                                                                                                                                                                                                                                                 | См. рисунок 1                                                                         |
| Точность измерения:                                                                                                                                                                                                                                                           | Обратитесь к руководству по использованию УЗИ аппарата                                |
| Внешние размеры:                                                                                                                                                                                                                                                              | См. рисунок 1                                                                         |



Единица измерения: мм

Примечание: допуск на размер  $\pm 10\%$ .

Рисунок 1. Внешний вид

## 2-2. Названия деталей

Название каждой детали приведено на рисунке 2, описание каждой детали – в таблице 3.

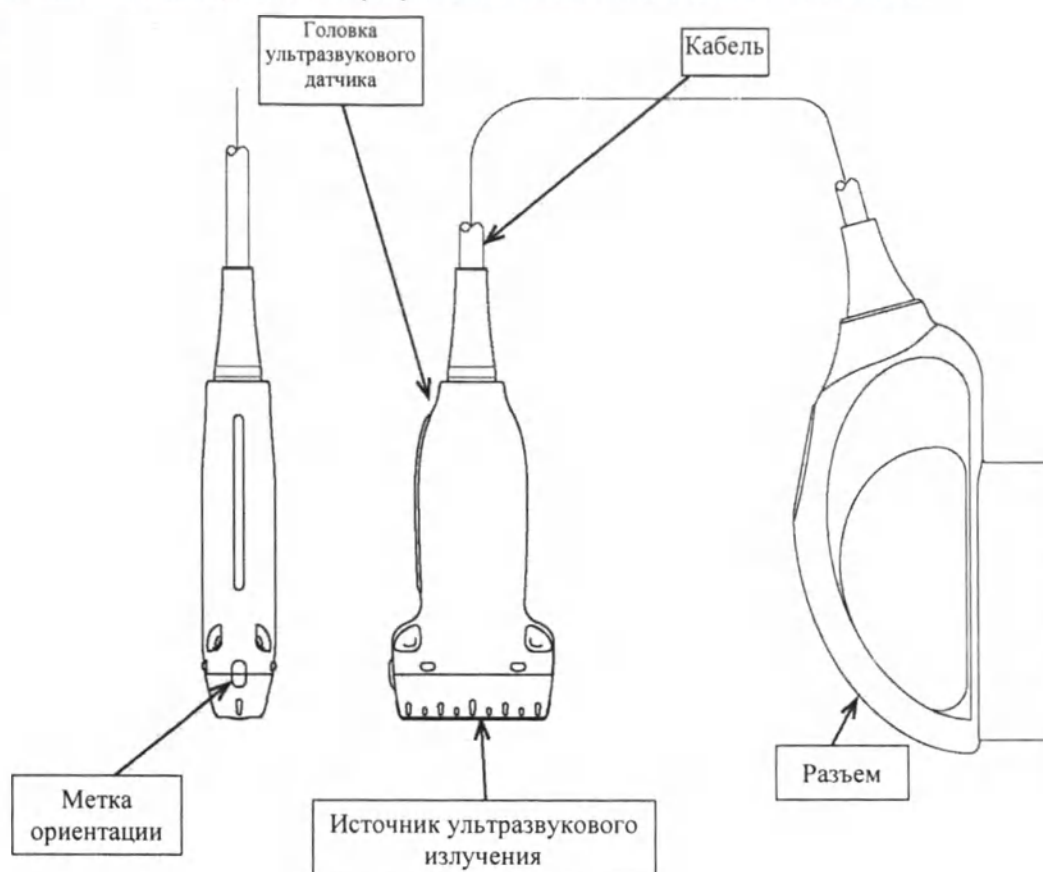


Рисунок 2. Названия деталей

Таблица 3. Название каждой детали и описание

| Название                           | Описание                                                                                             |
|------------------------------------|------------------------------------------------------------------------------------------------------|
| Источник ультразвукового излучения | Ультразвук генерируется в данной детали. Электронный линейный преобразователь встроен под эту часть. |
| Метка ориентации                   | Сторона, на которой находится метка ориентации, соответствует стороне изображения на мониторе.       |
| Головка ультразвукового датчика    | Оператор держит датчик за эту часть во время исследования.                                           |
| Кабель                             | Кабель передает входной/выходной электрический сигнал.                                               |
| Разъем                             | Разъем предназначен для присоединения датчика к УЗИ аппарату.                                        |

**Внимание**

Не тянуть, не сгибать, не скручивать кабель, не применять чрезмерную силу.  
Датчик может неправильно работать при отсоединении кабеля.



Не подвергайте источник ультразвукового излучения сильному воздействию.

Воздействие может привести к повреждению преобразователя, что приведет к появлению шумов или отсутствию эха на изображении.

В большинстве случаев источник ультразвукового излучения не повреждается, так как он сделан из эластичного материала.



### 3. Подготовка к использованию

Эта глава описывает меры подготовки к безопасному использованию ультразвукового датчика. Пожалуйста, подготавливайте ультразвуковой датчик перед каждым использованием, следуя инструкциям ниже.

#### 3-1. Визуальная проверка

Визуально проверьте головку датчика, источник ультразвукового излучения, кабель и разъем.

Не используйте датчик при обнаружении каких-либо отверстий, вмятин, истирания, деформации, слабого крепления, обесцвечивания и других повреждений.

Также проверьте компоненты набора.

#### 3-2. Подтверждение очистки, дезинфекции и стерилизации

Убедитесь, что ультразвуковой датчик действительно был очищен, дезинфицирован и стерилизован. Степень обработки зависит от назначения. Обратитесь к отдельному руководству «Очистка, дезинфекция и стерилизация» для получения информации о процедуре очистки, дезинфекции и стерилизации. Также проверьте, что сопутствующие детали должным образом очищены, продезинфицированы и стерилизованы.

#### 3-3. Проверка работоспособности

Подключите датчик к УЗИ аппарату и проверьте, что отображаемый тип сканирования и диапазон частоты такие же как у датчика. Проверьте, что нет никаких помех на изображении.

Примечание. Пожалуйста, обратитесь к документации УЗИ аппарата, чтобы узнать, как подключить датчик, и какая информация отображается на мониторе.

Если датчик работает в неподвижном воздухе, яркость верхней части изображения может быть неравномерной, но это не влияет на производительность датчика.



#### Осторожно!



Проводите подготовку перед каждым использованием.

Оператор и пациент могут получить травму, если оборудование неисправно.

Если в оборудовании обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке



#### Внимание



Не используйте ультразвуковой датчик, если отображаемый тип и частота сканирования не соответствуют данным датчика. Неправильная акустическая мощность может привести к ожогам или другим травмам пациента. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

#### 4. Эксплуатация

Приложите источник ультразвукового излучения датчика к поверхности кожи. Изображение интересующей области появляется на мониторе УЗИ аппарата. Подробнее об отображении и настройке изображения смотрите в документации, прилагаемой к УЗИ аппарату.

---

##### Внимание

---



Не применяйте к датчику чрезмерную силу.

Применение чрезмерной силы при использовании может привести к травме пациента.

---



Сканируйте в течение минимально необходимого времени на минимально возможной частоте излучения. Акустическая мощность может повлиять на внутренние ткани пациента.

За подробностями об акустической мощности, пожалуйста, обратитесь к документации, приложенной к УЗИ аппарату.

---



Не прикасайтесь к контактам разъема датчика.

Электростатический разряд может привести к неправильной работе датчика.

---



Не прикасайтесь к разъему датчика и пациенту одновременно. Это может привести к поражению пациента электрическим током.

---

■ Производитель

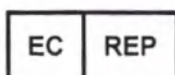


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Дистрибьютор



# FUJIFILM

## Датчик

# Руководство по эксплуатации «Очистка, дезинфекция и стерилизация»

### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-5998 Ред. 16

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**CE0197**

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                   |                   |                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|  | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|  | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                   | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 6 страниц вступительной части и 26 страниц основного содержания.

# 1. Применяемые методы очистки, дезинфекции и стерилизации

Применяемые методы очистки, дезинфекции и стерилизации для каждого изделия перечислены в таблице 1. Подробнее о каждом методе смотрите в главе 3.

Таблица 1. Применяемые методы очистки, дезинфекции и стерилизации

| Модель | См. соответствующие подпункты в главах 4, 6, 7 и 9 | Очистка |                | Дезинфекция |                | Стерилизация |          |               |         | Водонепроницаемый чехол (WP-001) |
|--------|----------------------------------------------------|---------|----------------|-------------|----------------|--------------|----------|---------------|---------|----------------------------------|
|        |                                                    | Ручная  | Автоматическая | Ручная      | Автоматическая | ЕЮ           | СТЕРРАД® | Жидкостная *2 | СТЕРИС® |                                  |
| C251   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C25P   | B                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C35    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| L441   | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| S12    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S211   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S42    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S22    | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| MXS1   | A                                                  | X       |                | X           |                |              |          | X             |         |                                  |
| S121   | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| C252   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| SML44  | A                                                  | X       |                | X           |                | X            | X*3      | X             |         |                                  |
| C253   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| L442   | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S11    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C23RV  | A                                                  | X       | X              | X           | X              | X            | X        | X             | X*1     | X                                |
| C23    | A                                                  | X       | X              | X           | X              | X            | X        | X             | X*1     | X                                |
| L35    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |

|         |   |   |   |   |   |   |   |   |   |  |
|---------|---|---|---|---|---|---|---|---|---|--|
| MP-2804 | C | X | X | X | X | X | X | X |   |  |
| RV-004  | C | X | X | X | X | X | X | X |   |  |
| RV-005  | C | X | X | X | X | X | X | X |   |  |
| RV-014  | C | X | X | X | X | X | X | X |   |  |
| RV-017  | C | X | X | X | X | X | X | X | X |  |

Примечание: X означает «применимо».

\* 1: нужен водонепроницаемый чехол (WP-001)

\* 2: жидкостная стерилизация только в США

\* 3: используйте систему СТЕРАРАД® 100S.

## 2. Меры предосторожности при очистке, дезинфекции и стерилизации

При очистке, дезинфекции и стерилизации датчика и дополнительных приспособлений необходимо обратить внимание на следующие предупреждения и предостережения.

### Осторожно!

-  Во время чистки, дезинфекции и стерилизации надевайте перчатки и другие средства защиты. Обращение с датчиком голыми руками перед стерилизацией может привести к инфекции.
-  После замачивания датчика в чистящем средстве тщательно промойте датчик проточной водой. Остаточные чистящие средства могут вызвать побочные реакции на организм оператора или пациента.
-  После химической стерилизации тщательно промойте датчик стерильной водой. Остаточные химические вещества могут вызвать побочные реакции у оператора или пациента (только в США).
-  После дезинфекции датчика тщательно промойте его деионизированной водой. Остаточные дезинфицирующие средства могут вызвать побочные реакции на организм оператора или пациента. (только в ЕС)
-  Проведите полную аэрацию после газовой стерилизации. Остаточный газ может вызвать побочные реакции у оператора или пациента.
-  Не очищайте и не стерилизуйте с помощью процедур, не указанных в данном руководстве. Несоблюдение мер по очистке и стерилизации оборудования может привести к инфекции. Кроме того, это может привести к повреждению датчика или снижению его производительности. Датчик не переносит стерилизации в автоклаве или кипячения, а также другие виды стерилизации при температурах, превышающих 60 °C (140 °F).
-  Подробнее об условиях использования химикатов и процедурах стерилизации см. в документации, поставляемой вместе с соответствующим химикатом или стерилизационным оборудованием. Из-за недостаточной стерилизации может возникнуть инфекция. Неправильная стерилизация может привести к повреждению датчика.

### Внимание

-  Не погружайте датчик в жидкости, выходя за пределы диапазона IPX7. Диапазон водонепроницаемости указан в отдельном руководстве по эксплуатации «Характеристики». Если жидкость попадает внутрь разъема, немедленно прекратите использование и свяжитесь с одним из наших офисов и (или) офисов дистрибьютора, указанным на задней обложке. Жидкость в разъеме может привести к поражению электрическим током оператора или пациента.
-  Не протирайте спиртом область ультразвукового излучения. Спирт может повредить эту область.
-  Не используйте органический растворитель для очистки, чтобы предотвратить повреждение.
-  Не используйте твердые или острые предметы для удаления загрязнений с поверхности датчика. Такие предметы могут повредить датчик.
-  При очистке, дезинфекции и стерилизации датчика обязательно снимайте принадлежности.
-  Если необходимо использование водонепроницаемого чехла, следуйте руководству по эксплуатации, чтобы правильно надеть его на ультразвуковой датчик.



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## Примечание

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Ультразвуковой датчик может быть поврежден путем повторной очистки, дезинфекции и стерилизации.

Подготовьте датчик в соответствии с главой 3 «Подготовка к использованию» в отдельном руководстве по эксплуатации «Характеристики».

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### Дополнительная информация

Приведенная выше инструкция утверждена производителем медицинского оборудования, который подтверждает, что медицинское оборудование пригодно для повторного использования. На использующем оборудовании учреждение лежит ответственность за то, что обработка в том виде, в каком она была фактически выполнена с использованием оборудования, материалов и персонала, достигла желаемого результата. Для этого требуется проверка и регулярный мониторинг процесса обработки. Точно так же любое отклонение со стороны использующего оборудование учреждения от предоставленных инструкций должно быть надлежащим образом оценено с точки зрения эффективности и потенциальных негативных последствий.

### 3. Инструкция по повторной обработке в соответствии с ISO 17664

Позаботьтесь о соблюдении санитарных правил, перед тем как использовать датчик со следующими пациентами. Если требуется повторная обработка данного оборудования, обратитесь к данным инструкциям.

Таблица 2

|                                      |                                                                                                                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Предупреждения                       | <ul style="list-style-type: none"> <li>• Датчик поставляется нестерильным. Перед первым использованием выполните процедуру обработки датчика.</li> <li>• Не превышайте температуру 60 °C [140 °F].</li> <li>• Разъем датчика не является влагонепроницаемым.</li> </ul>         |
| Ограничения для повторной обработки  | Датчик не предназначен для полного погружения (не погружайте его в жидкости, выходя за пределы диапазона IPX7. Диапазон указан в отдельном руководстве по эксплуатации «Характеристики»). Детали, не погружаемые в жидкости, можно дезинфицировать только посредством протирки. |
| Транспортировка перед использованием | Датчик следует хранить в стерильном пакете или контейнере в промежутке между перевозками из центрального стерилизационного отделения (CSSD) в операционную. Будьте осторожны, не допускайте повреждений стерильного пакета или контейнера для транспортировки.                  |

Необходимый уровень обработки зависит от типа оборудования и его использования.

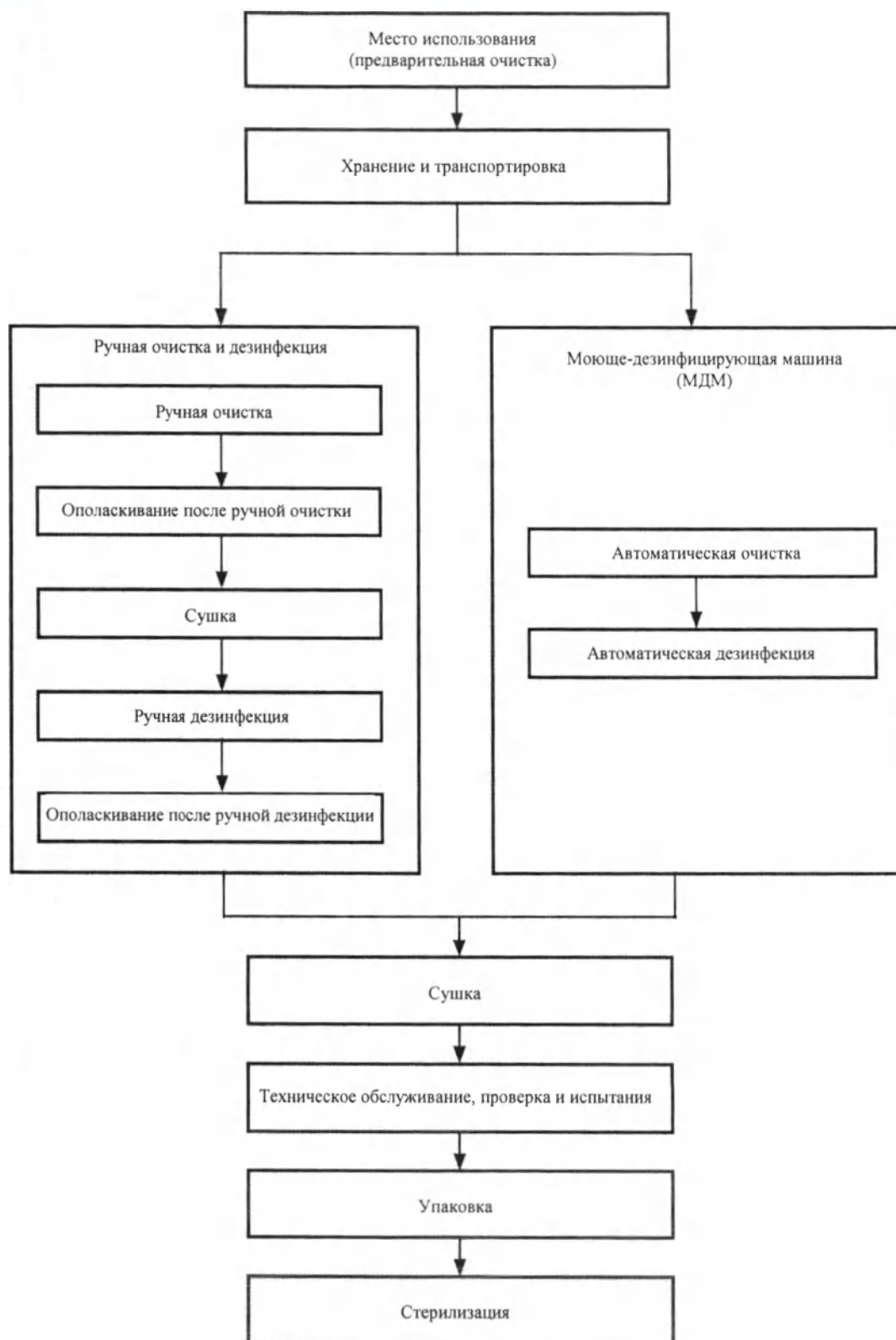
CDC (центры по контролю и профилактике заболеваний) в США и RKI (Институт Роберта Коха) в Германии классифицируют медицинские приборы в соответствии с их применением. Для каждой классификации они определяют уровень дезинфекции/стерилизации, который требуется перед применением. В таблице 3 представлена обобщенная информация.

Таблица 3

| Классификация         | Определение                                                                                               | Обработка                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Некритичные изделия   | Рабочая часть контактирует только с неповрежденной кожей                                                  | Очистка<br>↓<br>Дезинфекция [в США - низкоуровневая дезинфекция]                                                                                                      |
| Полукритичные изделия | Рабочая часть контактирует со слизистой оболочкой (внутриполостное применение)                            | Очистка<br>↓<br>Дезинфекция (дезинфицирующее средство с бактерицидным, фунгицидным и вирулицидным эффектом)<br>[в США – высокоуровневая дезинфекция или стерилизация] |
| Критичные изделия     | Используемая деталь контактирует непосредственно с интракорпоральной тканью (интраоперационная процедура) | Очистка<br>↓<br>Дезинфекция<br>↓<br>Стерилизация *1                                                                                                                   |

\*1. при отсутствии возможности стерилизации Управление по санитарному надзору за качеством пищевых продуктов и медикаментов (FDA) в США признает, что дезинфекция (в США – высокоуровневая дезинфекция), использование стерильного геля и стерильного защитного покрытия датчика, как описано в инструкциях, прилагаемых к защитному покрытию, является общепринятым способом борьбы с инфекцией.

Схема процесса повторной обработки данного датчика и принадлежностей выглядит следующим образом:



Примечание: совместимы только принадлежности, описанные в схеме процесса повторной обработки.



#### 4. Место использования (предварительная очистка)

В операционной после эксплуатации датчика

##### А). Датчики (некритичные)

- 1) Снимите с датчика совместно используемые изделия, например, насадку для виртуальной сонографии, биопсии, защитное покрытие.
- 2) Промойте датчик сразу после использования.
- 3) Протрите всю поверхность датчика марлевой салфеткой и удалите остатки геля для УЗИ, чтобы поверхность датчика выглядела визуально чистой.

##### В). Датчики (полукритичные C25P)

- 1) Снимите с датчика совместно используемые изделия, например, насадку для виртуальной сонографии, биопсии, защитное покрытие.
- 2) Промойте датчик сразу после использования.
- 3) Смойте кровь и телесные жидкости проточной водой, чтобы поверхность датчика выглядела визуально чистой.
- 4) Протрите всю поверхность зонда марлевой салфеткой и удалите поверхностные видимые загрязнения, поверхность датчика должна выглядеть визуально чистой.

##### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Промойте аксессуар сразу после использования.
- 2) Протрите всю поверхность датчика марлевой салфеткой и удалите поверхностные видимые загрязнения, чтобы поверхность датчика выглядела визуально чистой.

#### 5. Водонепроницаемый чехол

Датчик, совместимый с водонепроницаемым чехлом, может быть полностью погружен в жидкость, когда используется водонепроницаемый чехол. Автоматическая очистка и дезинфекция доступна только для датчиков, которые совместимы с водонепроницаемым чехлом.

Обратитесь к инструкции по эксплуатации «Характеристики» относительно совместимости водонепроницаемого чехла. Разъем и часть кабеля за пределами диапазона водонепроницаемости не могут быть погружены в жидкость без водонепроницаемого чехла. Обратитесь к инструкции по эксплуатации «Характеристики» относительно диапазона водонепроницаемости.

#### 6. Хранение и транспортировка

Загрязненное оборудование рекомендуется поместить в защищенный от ударов и повреждений контейнер для транспортировки. Повторную обработку инструментов рекомендуется выполнять как можно быстрее, и не позднее, чем через 4 часа после использования.

## 7. Ручная очистка и дезинфекция

Перед ручной чисткой и дезинфекцией подготовьте следующие средства.

### А). Датчики (некритичные)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (с достаточным размером для погружения соответствующей детали датчика на всю длину).
- 4) Мягкая, неворсистая ткань или одноразовое полотенце
- 5) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

### В). Датчики (полукритичные C25P)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) Чистящие щетки, если используются, например, REF 09098 (Interlock) и REF 09326 (Interlock, для очистки всей поверхности датчика).
- 4) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (с достаточным размером для погружения соответствующей детали датчика на всю длину).
- 5) Шприц 50 мл
- 6) Мягкая, неворсистая ткань или одноразовое полотенце
- 7) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (достаточного размера для погружения соответствующей детали аксессуара на всю длину).
- 4) Мягкая, неворсистая ткань или одноразовое полотенце
- 5) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

## 7-1. Ручная очистка

## А). Датчики (некритичные)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном датчике.
- 2) Погрузите соответствующую часть датчика без разъема в моющее средство.
- 3) Протрите погружаемую часть датчика под поверхностью моющего раствора одноразовой мягкой тканью без ворса, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы датчика. При необходимости используйте для этого соответствующую щетку.
- 4) Протрите непогружаемые детали датчика мягкой тканью, пропитанной моющим средством.
- 5) Промойте погруженную часть датчика проточной водопроводной водой в течение 1 минуты.
- 6) Альтернативно шагу 5 можно поместить погружаемую часть датчика в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 7) Визуально проверьте наружную поверхность датчика на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

## В). Датчики (полукритичные C25P)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном датчике.
- 2) Погрузите датчик в разбавленное моющее средство. С помощью шприца на 50 мл промойте полость датчика 5 раз, поверхность – с 50 мл разбавленного моющего средства. Почистите полость датчика 5 или более раз, используя подходящую щетку. Датчик чистится щеткой до визуально чистого.
- 3) Протрите погружную часть датчика под поверхностью раствора моющего средства одноразовой мягкой безворсовой тканью, чтобы удалить всю видимую грязь. Убедитесь, что все пазы датчика обработаны во время процесса очистки. При необходимости используйте для этого соответствующую щетку.
- 4) Протрите непогружаемые детали датчика мягкой тканью, пропитанной моющим средством.
- 5) Промойте погруженную часть датчика проточной водопроводной водой в течение 1 минуты.
- 6) Альтернативно на шаге 5 можно поместить изделия в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 7) Визуально проверьте полость и наружную поверхность адаптера для биопсии на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.



С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %.  
Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном медицинском приспособлении.
- 2) Погрузите аксессуар в моющее средство.
- 3) Не вынимая аксессуар из моющего раствора, протрите его одноразовой мягкой безворсовой тканью, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы аксессуара. При необходимости используйте для этого соответствующую щетку.
- 4) Ополосните аксессуар под струей проточной воды в течение 1 минуты.
- 5) Альтернативно на шаге 5 можно поместить аксессуар в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 6) Визуально проверьте наружную поверхность аксессуара на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

## 7-2. Ручная дезинфекция

## А). Датчики (некритичные)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
  - 2) Протрите непогружаемые детали датчика мягкой тканью без ворса дезинфицирующим средством.
  - 3) Поместите погружаемую часть датчика в моющее средство. Для соблюдения рекомендуемого времени контакта установите таймер.
  - 4) Промойте погружаемую часть датчика проточной деионизированной водой в течение 1 минуты.
  - 5) Альтернативно шагу 4 можно поместить погружаемую часть датчика в емкость, заполненную деионизированной водой на 5 минут.
  - 6) Визуально проверьте наружную поверхность датчика на предмет отсутствия остатков дезинфицирующего средства.
- При необходимости повторите ополаскивание.

## В). Датчики (полукритичные С25Р)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 2) Протрите непогружаемые детали датчика мягкой тканью без ворса дезинфицирующим средством.
- 3) Поместите погружаемую часть датчика в моющее средство (см. иллюстрацию). Ополосните полость насадки для биопсии 50 мл дезинфицирующего раствора. Повторите этот шаг 4 раза. Установите таймер на 5 минут, чтобы соблюсти рекомендуемое время воздействия.
- 4) Промойте погружаемую часть датчика проточной деионизированной водой в течение 1 минуты.
- 5) Альтернативно на шаге 4 поместите изделия в емкость, заполненную деионизированной водой, на 5 минут.
- 6) Визуально проверьте полость насадки для биопсии и внешнюю поверхность датчика на наличие остатков дезинфицирующего средства. При необходимости повторите ополаскивание.

**Внимание**

Не протирайте спиртом область ультразвукового излучения.  
Спирт может повредить эту область.

С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. Если используется другое дезинфицирующее средство, следуйте инструкциям производителя. Пожалуйста, обратите внимание на совместимость материалов с медицинским устройством.
- 2) Погрузите аксессуар в моющее средство. Для соблюдения рекомендуемого времени контакта установите таймер. 3) Ополаскивайте аксессуар под струей деионизированной воды в течение 5 минут.
- 4) Альтернативно на шаге 4 поместите аксессуар в емкость, заполненную деионизированной водой, на 5 минут.
- 5) Визуально проверьте наружную поверхность аксессуара на предмет отсутствия остатков дезинфицирующего средства.

При необходимости повторите ополаскивание.



### Осторожно!



После завершения замачивания датчика в чистящем или дезинфицирующем средстве тщательно промойте его проточной водой (водопроводная вода после очистки, деионизированная вода после дезинфекции). Остатки чистящего агента могут вызвать неблагоприятную реакцию у оператора или пациента.

### 7-3. Кабель и разъём

Протрите кабель промежутками в 20 см марлей, смоченной в этиловом спирте или воде, и высушите его после протирки.

Прочистите разъём марлей, смоченной в этиловом спирте, и высушите его после очистки.

Очистите другие детали датчика, которые не следует погружать в жидкости, так же, как и разъём.

### Примечание

При одновременной протирке кабеля по всей его длине существует вероятность того, что часть кабеля может быть сморщена.

Если это произойдет, потяните сморщенную часть в противоположном направлении, чтобы разгладить ее,



## 8. Автоматическая очистка и дезинфекция

### А). Датчики (с водонепроницаемым чехлом)

Перед проведением автоматизированной очистки и дезинфекции необходимо подготовить следующие средства и оборудование:

- Моюще-дезинфицирующая машина: согласно стандарту ISO 15883 с программируемыми химическими и температурными параметрами (температура: макс. 60 °C [140 °F]).
- Водонепроницаемый чехол для разъема датчика WP-001
- Моющее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); № 972 020) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- Дезинфицирующее средство: «Корсолекс Эндо-Дезинфектант» (Korsolex Endo-Disinfectant) («Бодэ Хеми» (Bode Chemie); № 972 030) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии

#### 1) Параметры очистки и дезинфекции изделия:

| Этап программы                | Вода (40 л)           | Дозировка (мл/л) | Температура (°C)/(°F) | Время (мин) |
|-------------------------------|-----------------------|------------------|-----------------------|-------------|
| Предварительное ополаскивание | Холодная вода         |                  |                       | 5           |
| Очистка                       | Деионизированная вода | 5 (0,5%)         | 50/122                | 10          |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Дезинфекция                   | Деионизированная вода | 10 (1%)          | 55/131                | 5           |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Ополаскивание                 | Деионизированная вода |                  | 55/131                | 1           |
| Сушка                         |                       |                  | 55/131                | 15          |

- Наденьте водонепроницаемый чехол WP-001 на разъем датчика и используйте тестер, чтобы убедиться в отсутствии утечки воздуха. Обратитесь к руководству по эксплуатации водонепроницаемого чехла WP-001 для получения подробной информации.
- Закройте дверцу моюще-дезинфицирующей машины и осуществите запуск программы.
- После завершения процесса откройте дверцу.
- Достаньте датчик из моюще-дезинфицирующей машины, убедитесь, что он высушен. Если нет, высушите его, следуя инструкции в разделе «Сушка».

### В). Датчики (полукритичные C25P)



**Осторожно!**



Датчик не переносит автоматическую очистку и дезинфекцию.

## С). Принадлежности (держатель магнитного датчика, стабилизатор)

Перед проведением автоматизированной очистки и дезинфекции необходимо подготовить следующие средства и оборудование:

- а) Моюще-дезинфицирующая машина: согласно стандарту ISO 15883 с программируемыми химическими и температурными параметрами (температура: макс. 60 °C [140 °F]).
- б) Моющее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); номер 972 020)
- в) Дезинфицирующее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); номер 972 030)

## 1) Параметры очистки и дезинфекции изделия:

| Этап программы                | Вода (40 л)           | Дозировка (мл/л) | Температура (°C)/(°F) | Время (мин) |
|-------------------------------|-----------------------|------------------|-----------------------|-------------|
| Предварительное ополаскивание | Холодная вода         |                  |                       | 5           |
| Очистка                       | Деионизированная вода | 5 (0,5%)         | 50/122                | 10          |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Дезинфекция                   | Деионизированная вода | 10 (1%)          | 55/131                | 5           |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Ополаскивание                 | Деионизированная вода |                  | 55/131                | 1           |
| Сушка                         |                       |                  | 55/131                | 15          |

- 2) Закрыв дверцу моюще-дезинфицирующей машины, осуществите запуск программы.
- 3) Откройте дверь машины по завершении программы.
- 4) Убедитесь, что аксессуар высушен. Если нет, выполните действия, описанные в пункте «Сушка».

## 9. Применяемые чистящие и дезинфицирующие средства/перечень поставщиков

Применяемые химические растворы перечислены ниже.

| Общее название                  | Торговое наименование                                 | Производитель                                                                                                                                                                            |
|---------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ферментное чистящее средство    | ENZOL®/Cidezyme®<br>Концентрация раствора 0,8 об/об % | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |
| Алкилполиалкиленгликолевый эфир | «Корсолекс Эндо-Клинер» (Korsolex® Endo-Cleaner)      | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                      |

| Общее название                 | Торговое наименование                                       | Производитель                                                                                                                                                                            |
|--------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Глутарал                       | «САЙДЕКС®» (CIDEX®)<br>Раствор 2,4 %                        | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |
| Орто-фталальдегид              | Раствор CIDEX® OPA 0,55%                                    |                                                                                                                                                                                          |
| Глутарал                       | «Сайдекс® плюс» (Cidex plus®)                               |                                                                                                                                                                                          |
| Глутарал                       | STERIHYTE®<br>*Концентрация раствора 2 м/об %               | «Маруиши Фармасьютикал Ко. Лтд.» (Maruishi Pharmaceutical Co., Ltd.)                                                                                                                     |
| Бензетония хлорид              | «Гиамин®» (Hyamine®)*<br>Концентрация раствора 0,1 м/об %   | «Даичи Санкио Ко. Лтд.» (DAIICHI SANKYO Co., Ltd.)                                                                                                                                       |
| Дидецилдиметиламмоний хлорид   | Дезинфицирующие салфетки Cleanisept® *,<br>раствор 7,5%     | «Д-р Шумахер ГмбХ» (Dr.Schumacher GmbH)                                                                                                                                                  |
| Перекись водорода              | ANIOXYDE 1000 *<br>Раствор 0,15 %                           | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                 |
| Диметил-диоктил-аммоний-хлорид | Gigasept® AF forte*<br>Раствор 2,0 %                        | «Шюльке энд Майр» (Schülke & Mayr)                                                                                                                                                       |
| Глутарал                       | «Корсолекс экстра» (Korsolex extra)*                        | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                      |
| Глутарал                       | «Корсолекс® Эндо-Дезинфектант» (Korsolex Endo-Disinfectant) | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                      |

Примечание: \* указывает, что отмеченное дезинфицирующее средство не может применяться в Канаде.



## Высокоуровневая дезинфекция

| Общее название      | Торговое наименование                                 | Производитель                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода   | PERASAFE TM *<br>КОНЦЕНТРАЦИЯ РАСТВОРА 1,62<br>М/ОБ % | «АНТЕК ИНТЕРНЕШНЛ» (ANTEC<br>INTERNATIONAL)                                                                                                                                                       |
| Перуксусная кислота | Acecide®*<br>Раствор 6 %                              | «Сарая Ко, Лтд» (Saraya Co., Ltd)                                                                                                                                                                 |
| Глутаральдегид      | WAVICIDE®-01 * Раствор 2,65%                          | «Медикал Кемикал Корпорейшн» (Medical Chemical<br>Corp)                                                                                                                                           |
| Глутаральдегид      | РАСТВОР STERANIOS * 2,0%                              | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                          |
| Глутарал            | Раствор Cidex plus® 3,4%                              | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®»<br>(ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson & Johnson,<br>Division of Ethicon, Inc.) |

Примечание: \* указывает, что отмеченное дезинфицирующее средство не может применяться в Канаде.

**Осторожно!**

После дезинфекции тщательно промойте датчик деионизированной водой.

Остаточные дезинфицирующие средства могут вызвать побочные реакции у оператора или пациента.

## 10.Сушка

### А). Датчики (некритичные)

- 1) Для удаления влаги с поверхности оборудования протрите датчик одноразовой салфеткой без ворса или полотенцем.
- 2) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

### В). Датчики (полукритичные C25P)

- 1) Для удаления влаги с поверхности оборудования протрите датчик одноразовой салфеткой без ворса или полотенцем.
- 2) Просушите полости пневматическим пистолетом со сжатым воздухом. Сжатый воздух должен быть отфильтрован стерильным фильтром, который удаляет частицы воздуха размером менее 0,2 мкм. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 4) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Для удаления влаги с поверхности оборудования протрите аксессуар одноразовой салфеткой без ворса или полотенцем.
- 2) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

## 11.Техническое обслуживание, проверка и испытания

Проверьте следующие пункты

- 1) Функционирование механических подвижных частей.
- 2) Качество изображения при подключении датчика к сканеру.
- 3) Отсутствие ненормальных внешних повреждений, таких как трещины на поверхности оборудования.
- 4) Тесты безопасности (см. руководство по безопасности 4-1)

## 12.Упаковка

Храните дезинфицированный датчик в пылезащищенном помещении до следующего применения. Перед стерилизацией необходимо упаковать все детали в специальный пакет, пригодный для стерилизации, или в лоток с обертыванием согласно ISO 11607-1 и ISO 11607-2 «Упаковка для терминально стерилизованных медицинских приборов» и ISO/TS 16775 «Упаковка для терминально стерилизованных медицинских приборов – Руководство по применению ISO 11607-1 и ISO 11607-2» или по местной больничной процедуре. При упаковке и герметизации пакетов следуйте инструкциям производителя пакетов или местным правилам.

Проверьте герметизирующий шов после тепловой сварки на наличие дефектов. В случае ошибок или дефектов в процессе упаковку необходимо вскрыть заново, а устройство упаковать и запечатать заново.





### 13. Стерилизация

См. таблицу 1 «Применяемые методы очистки, дезинфекции и стерилизации» для существующих методов стерилизации.

Следуйте инструкциям производителя стерилизатора относительно использования, температуры и времени стерилизации и т.д.

Обработка и максимальная подача в камеру стерилизатора должны производиться в соответствии с инструкцией по эксплуатации стерилизатора.

#### 13-1. Газовая стерилизация окисью этилена (EtO)

Ниже приведены стерильные условия применяемых методов стерилизации.

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

##### 13-1-1. Стерилизация

|                                               |                   |
|-----------------------------------------------|-------------------|
| Выполняйте стерилизацию в следующих условиях: |                   |
| Типа газа:                                    | 10 % ЭО/90 % ГХФУ |
| Температура:                                  | 50–60 °C          |
|                                               | 122–140 °F        |
| Время воздействия:                            | Более 120 минут   |
| Давление:                                     | 162–200 кПа       |
| Понижение давления:                           | 13–8 кПа          |
| Относительная влажность:                      | 40–90%            |

##### 13-1-2. Аэрация

|                                         |          |
|-----------------------------------------|----------|
| Выполните аэрацию в следующих условиях: |          |
| Температура:                            | 53 °C    |
|                                         | 127,4 °F |
| Минимальное время аэрации               | 12 ч     |

### Осторожно!



Не используйте водонепроницаемый чехол во время процесса стерилизации.



Проведите полную аэрацию после газовой стерилизации.  
Остаточный газ может вызвать побочные реакции у оператора или пациента.

## 13-2. Стерилизация системой СТЕРРАД®

Ниже приведены стерильные условия применяемых методов стерилизации.

Ниже приведен список применяемых газов.

| Общее название           | Торговое наименование                                                | Производитель                                                                                                                                                                                     |
|--------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода (58 %) | Система стерилизации<br>STERRAD®<br>(СТЕРРАД® 100S, NX или<br>100NX) | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®»<br>(ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson &<br>Johnson, Division of Ethicon, Inc.) |

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

Примечание.

Возможно некоторое обесцвечивание датчика, но это не влияет на его производительность или безопасность.



### Осторожно!



Не используйте водонепроницаемый чехол во время процесса стерилизации.



Не используйте другие системы стерилизации при стерилизации датчика SML44.

Это может привести к повреждению датчика и ухудшению производительности. используйте систему СТЕРРАД® 100S.



### Внимание



Не стерилизуйте датчик с помощью системы STERRAD, если датчик не совместим со стандартом STERRAD. Совместимость со стандартом STERRAD отображается на этикетке STERRAD, размещенной на разъеме.

Выполняйте стерилизацию STERRAD только для датчиков, совместимых со стандартом STERRAD, в противном случае это может привести к повреждению или повреждению датчика.



\*Этикетка STERRAD



Не помещайте датчик непосредственно в стерилизационный пакет.\*

В противном случае пакет прилипает к кабелю и повреждает его. Полностью заверните весь датчик (включая головку датчика, кабель и разъем) стерилизационной пленкой\*, прежде чем положить его в стерилизационный пакет.\*

\*: продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.)

## 13-3. Жидкостная стерилизация (только в США)

- Применяемый химический раствор для стерилизации

Ниже перечислены применяемые химические растворы.

| Общее название      | Торговое наименование                         | Производитель                                                                                                                                                                            |
|---------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода   | PERASAFE® · Концентрация раствора 1,62 м/об % | «АНТЕК ИНТЕРНЕШНЛ» (ANTEC INTERNATIONAL)                                                                                                                                                 |
| Перуксусная кислота | Acecide®<br>Раствор 6 %                       | «Сараэ Ко, Лтд» (Saraya Co., Ltd)                                                                                                                                                        |
| Глутаральдегид      | WAVICIDE®-01 * Раствор 2,65%                  | «Медикал Кемикал Корпорейшн» (Medical Chemical Corp)                                                                                                                                     |
| Глутаральдегид      | РАСТВОР STERANIOS * 2,0%                      | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                 |
| Глутарал            | Раствор Cidex plus® 3,4%                      | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |

Примечание: \* указывает, что отмеченный стерилизатор не может применяться в Канаде.

### Осторожно!



После химической стерилизации тщательно промойте датчик стерильной водой.  
Остаточный стерилизатор может вызвать побочные реакции у оператора или пациента.

## 13-4. Стерилизация системой СТЕРИС®

Список применяемых продуктов ниже.

| Общее название      | Торговое наименование | Производитель |
|---------------------|-----------------------|---------------|
| Перуксусная кислота | Система СТЕРИС 1Е®    | СТЕРИС®       |

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

### Внимание



Обязательно используйте водонепроницаемый чехол (WP-001).  
Без водонепроницаемого чехла разъем нельзя погружать в жидкость.



## 14.Хранение

Храните оборудование в прохладном, темном, сухом и защищенном от пыли месте, избегая воздействия высокой температуры, влажности и попадания прямых солнечных лучей.

Ограничения по времени хранения стерилизованного оборудования зависят от типа упаковки.

■ **Производитель**



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Дистрибьютор

# FUJIFILM

## Датчик

# Руководство по эксплуатации Безопасность

### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-5982 Ред. 14

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Q1E-EP1418-14

**CE0197**



## Список совместимых ультразвуковых датчиков

| Модель |
|--------|
| C251   |
| C25P   |
| C35    |
| L441   |
| C252   |
| C253   |
| L442   |
| C23RV  |
| C23    |
| L35    |

## Введение

Это руководство по технике безопасности для нашего ультразвукового датчика (см. «Список применимых датчиков» на стр. ii). Внимательно прочитайте это руководство перед использованием и сохраните его для дальнейшего использования.

На датчике находится маркировка «СЕ», которая действительна только при использовании датчика с УЗИ аппаратом с маркировкой «СЕ».

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                     |                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|    | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|   | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                     | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 4 страницы вступительной части и 20 страниц основного содержания.



## 1. Меры предосторожности

Внимательно прочитайте эту главу перед началом работы для правильного обращения с датчиком.

### 1-1. Меры предосторожности

В этом разделе описаны предупреждения, предостережения, принцип работы и маркировки для безопасного использования датчика.

#### 1-1-1. Предупреждения и предостережения

При работе с датчиком необходимо учитывать следующие предупреждения и предостережения.



### Осторожно!



Используйте датчик и сопутствующие изделия, следуя инструкциям в прилагаемой документации и руководстве, прилагаемым к любому оборудованию, используемому вместе с датчиком. Любое использование, отличное от указанного в прилагаемой документации, может привести к серьезным или умеренным травмам, поломке оборудования или физическому повреждению, которое может ухудшить работу.



Подготовьтесь к использованию

Оператор и пациент могут получить травму, если оборудование неисправно. Обратитесь к отдельному руководству по эксплуатации «Характеристики» для подготовки перед использованием.

Если в оборудовании обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке.



Этот датчик не должен находиться в прямом контакте с сердцем.

Это может привести к поражению пациента электрическим током.



Не применяйте данный датчик на глазах.

Этот датчик не предназначен для использования на глазах. Ультразвуковое излучение может оказать вредное воздействие на глаза.



Не пытайтесь разобрать, модифицировать или отремонтировать датчик.

Возможны поражение электрическим током или другие непредвиденные ситуации. Обратитесь в нашу компанию по контактам, указанным на задней обложке, чтобы запросить ремонт.



Очистите, продезинфицируйте и простерилизуйте датчик перед использованием в соответствии с требованиями.

Выполните процедуру обработки сразу после использования, иначе существует риск инфицирования.

Обратите внимание, что датчик не подвергается стерилизации на заводе-изготовителе. Очистите, продезинфицируйте и простерилизуйте его перед первым использованием.



Во время осмотра наденьте медицинские перчатки.

Проведение осмотра голыми руками может подвергнуть оператора риску заражения.



Утилизируйте датчики, используемые для пациентов с болезнью Крейтцфельда—Якоба.

В противном случае существует риск заражения оператора или пациента. Наш ультразвуковой датчик не совместим с каким-либо методом очистки/дезинфекции/стерилизации при болезни Крейтцфельда—Якоба.



Обратитесь к прилагаемой документации ультразвукового контрастного вещества для его использования. Непредвиденные несчастные случаи могут возникнуть из-за неправильного использования агента. Учитывайте состояние пациента и побочные эффекты.

Не используйте датчик и держатель магнитного датчика, если он упал на пол, в противном случае существует риск заражения.

Прекратите его использование и выполните процедуру переработки, описанную в отдельном руководстве по эксплуатации «Очистка, дезинфекция и стерилизация», и подготовьте его к использованию, как описано в отдельном руководстве по эксплуатации «Характеристики».



Используйте датчик и сопутствующие изделия, следуя инструкциям в прилагаемой документации и руководстве, прилагаемым к любому оборудованию, используемому вместе с датчиком. Любое использование, отличное от указанного в прилагаемой документации, может привести к серьезным или умеренным травмам, поломке оборудования или физическому повреждению, которое может ухудшить работу.



## Внимание



Постоянно следите за нормальным состоянием пациента и датчика.

Неисправность оборудования может привести к травме оператора или пациента. Если обнаружена какая-либо неисправность, немедленно прекратите его использование.



Не используйте датчик с другим оборудованием за исключением того, которое указано в отдельном руководстве по эксплуатации «Характеристики».

Использование с неодобренным оборудованием может привести к поражению электрическим током, ожогу или другим травмам пациента или оператора. Также приводит к повреждению датчика и другого оборудования.



Сканируйте в течение минимально необходимого времени на минимально возможной частоте излучения.

Акустическая мощность может повлиять на внутренние ткани пациента.

За подробностями об акустической мощности, пожалуйста, обратитесь к документации, приложенной к УЗИ аппарату.



Регулярно выполняйте тесты безопасности и тест производительности датчика.

Следует регулярно производить тестирование датчика на изменение производительности.

Если в ходе тестирования обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке



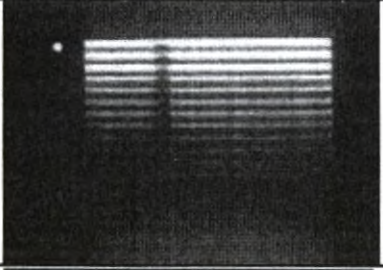
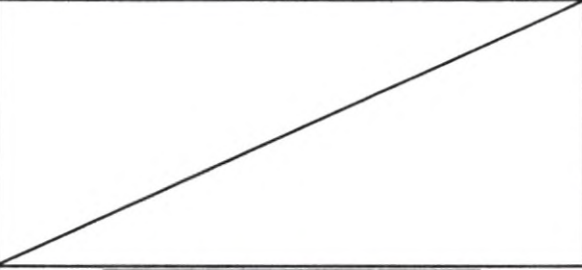
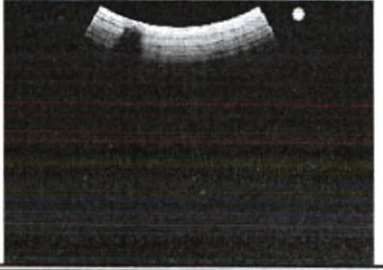
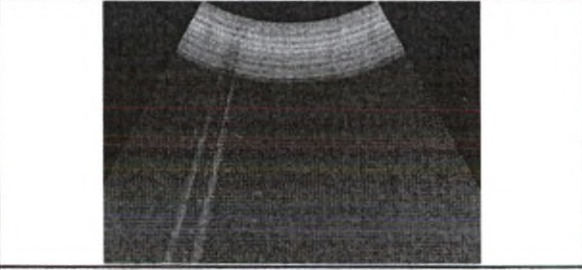
Не работайте с датчиком в условиях, отличных от указанных в данном руководстве, в противном случае он может быть поврежден.

См. раздел 1-3 «Условия эксплуатации», раздел 2-2 «Условия хранения» и раздел 3-3 «Условия окружающей среды при транспортировке».



Не подвергайте источник ультразвукового излучения сильному воздействию.

Воздействие может привести к повреждению преобразователя, что приведет к появлению шумов или отсутствию эха на изображении. В большинстве случаев источник ультразвукового излучения не повреждается, так как он сделан из эластичного материала.

| Вид сканирования       | Нет эха (пример)                                                                    | Шум (пример)                                                                         |
|------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Линейное сканирование  |  |  |
| Выпуклое сканирование  |  |  |
| Секторное сканирование |  |  |



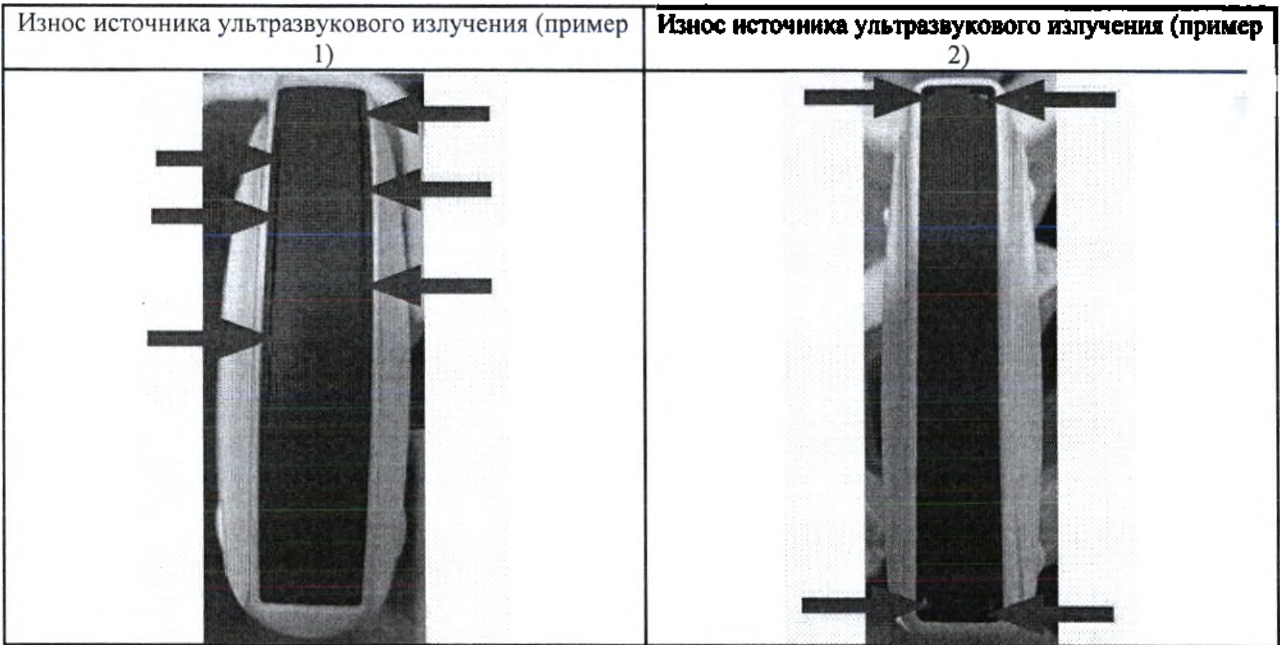
**Примечание**

Не используйте грубую ткань или другой абразивный материал для протирания источника ультразвукового излучения для удаления проводящего геля или во время очистки, дезинфекции или стерилизации датчика.

Источник ультразвукового излучения покрыт тонким резиновым материалом, который можно легко повредить и сделать источник ультразвукового излучения непригодным для использования, если его протереть абразивным материалом.

Во время обследования используйте большое количество проводящего геля.

Увеличение трения в результате использования недостаточного количества проводящего геля может вызывать дискомфорт у пациента и чрезмерный износ источника ультразвукового излучения.





## 1-1-2. Меры предосторожности при выполнении пункции

При выполнении пункции необходимо учитывать следующие предупреждения и предостережения.

**Осторожно!**

Внимательно прочитайте меры предосторожности при использовании в документации, прилагаемой к адаптеру для выполнения пункции. Подготовьтесь к использованию.



Пункцию может выполнять только квалифицированный врач.

Пункция, выполненная ненадлежащим образом, может привести к травме пациента. Пункция должна выполняться квалифицированным врачом, который обладает глубокими знаниями о выполнении пункции под контролем УЗИ.



Адаптер для выполнения пункции необходимо очистить и простерилизовать перед использованием.

Выполните процедуру обработки сразу после использования, иначе существует риск инфицирования.

Обратите внимание, что адаптер для взятия пункции не подвергается стерилизации на заводе-изготовителе. Очистите, продезинфицируйте и простерилизуйте его перед первым использованием.



Выполняйте пункцию в стерильных медицинских перчатках.

Выполнение пункции голыми руками может подвергнуть пациента или оператора риску заражения.



Адаптер для пункции должен быть правильно прикреплен к датчику.

Если адаптер неправильно подключен к датчику, он может отсоединиться от датчика во время работы, что может привести к травме пациента. Подробная информация по установке пункционного адаптера приведена в документации, прилагаемой к пункционному адаптеру.



Простерилизуйте адаптер для пункции и иглу перед использованием.

Нестерильные изделия могут вызвать инфекцию. Подробнее о процедуре стерилизации адаптера для пункции читайте в документации, прилагаемой к адаптеру для пункции.



При использовании защитного чехла датчика, входящего в комплект адаптера для пункции, убедитесь в отсутствии пузырьков воздуха в защитном чехле, закрывающем датчик.

Пузырьки воздуха под защитным чехлом датчика могут привести к постановке неправильного диагноза из-за изображения плохого качества или неправильной передачи изображения.



Используйте стерильный физиологический раствор в качестве проводящего геля. Использование нестерильного проводящего геля для УЗИ может привести к инфицированию пациента.



Используйте иглу, которая подходит для использования с адаптером для выполнения пункции.

Использование иглы, несовместимой с пункционным адаптером, может привести к нежелательному проколу и травмированию пациента. Обратитесь к документации, поставляемой с адаптером для пункции за подробностями о размерах совместимых игл.



Всегда используйте прямую иглу.

Использование деформированной иглы может привести к непреднамеренному проколу и травмированию пациента.



Бережно обращайтесь с иглой для пункции.

Повторное использование иглы может привести к заражению оператора или пациента.



Отображайте направление прокола на мониторе аппарата УЗИ во время выполнения пункции.

Выполнение пункции без использования направления может привести к непреднамеренному проколу других тканей.

Отобразите направление прокола на мониторе, чтобы помочь в определении направления пункции.



Перед выполнением пункции убедитесь, что ЭХО-насечка отображается по всей длине иглы в воде при температуре 40°C (104°F).



Проконтролируйте положение иглы и безопасность пути иглы во время прокола.

Игла может деформироваться, что может привести к непреднамеренному проколу и травмированию пациента.

- 
-  До выполнения прокола убедитесь, что на пути иглы нет других органов или слепых зон.  
Если на пути иглы есть другой орган или слепая зона, то этот орган может быть случайно проколот, что может привести к травме пациента.

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  -  Убедитесь, что на пути иглы находится только целевой орган.  
Если на пути иглы есть другой орган, то этот орган может быть случайно проколот, что может привести к травме пациента. Проконтролируйте положение иглы и безопасность пути иглы во время прокола.

---

  -  Не применяйте силу при выполнении пункции.  
Игла может деформироваться, если к игле приложено чрезмерное усилие в направлении, отличном от направления введения. Это может привести к случайному проколу другого органа и травме пациента.

---

  -  Подробную информацию о повторном использовании и утилизации пункционных игл см. в документации, прилагаемой к таким иглам.  
Повторное использование пункционных игл, предназначенных для одноразового применения, или их неправильная утилизация могут привести к заражению.

---

  -  Не используйте одноразовый адаптер для пункции и защитный чехол для датчика. Использование нестерилизованного покрытия может привести к инфекционному заражению пациента.

---

  -  Не используйте адаптер для пункции, если он упал на пол, в противном случае существует риск заражения.  
Прекратите его использование и выполните процедуру обработки, описанную в руководстве по эксплуатации адаптера для пункции.

---

  -  Прежде чем использовать канюлю с адаптером для прокола в качестве направляющей, сначала убедитесь, что канюля плавно проходит через адаптер для прокола, не вызывая повреждений на поверхности канюли, а затем действуйте осторожно.  
Если канюля не движется плавно или изгибается при вставке или извлечении из адаптера, изоляционная мембрана, покрывающая канюлю, может быть повреждена, а поврежденная канюля может вызвать ожоги ткани.

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  -  Не выполняйте прокол в непосредственной близости от сердца.  
Прокол в непосредственной близости от сердца может вызвать микроэлектрический шок.

---

## Внимание

- 
-  Бережно обращайтесь с иглой, чтобы не повредить датчик или другие изделия.  
Использование датчика, поврежденного иглой, может привести к травме оператора или пациента.

---

  -  Заранее выясните, есть ли у пациента аллергия на металлы.  
Если у пациента есть аллергия на нержавеющую сталь, адаптер для пункции может быть опасен для пациента как аллергический риск.

---

## Примечание

Перед проведением операции по выполнению пункции на пациенте проверьте относительную безопасность не только оборудования, непосредственно связанного с операцией, но также периферийного оборудования и измерительных приборов.



## 1-1-3. Меры предосторожности при очистке, дезинфекции и стерилизации

При очистке, дезинфекции и стерилизации датчика и дополнительных приспособлений необходимо обратить внимание на следующие предупреждения и предостережения.

### Осторожно!

-  Во время чистки, дезинфекции и стерилизации надевайте перчатки и другие средства защиты. Обращение с датчиком голыми руками перед дезинфекцией или стерилизацией может привести к инфекции.
-  После замачивания датчика в чистящем средстве тщательно промойте датчик проточной водой. Остаточные реагенты могут вызвать побочные реакции у оператора или пациента.
-  После химической дезинфекции и стерилизации тщательно промойте датчик стерильной водой. Остаточные реагенты могут вызвать побочные реакции у оператора или пациента.
-  Проведите полную аэрацию после газовой дезинфекции и стерилизации. Остаточный газ может вызвать побочные реакции у оператора или пациента.
-  Не очищайте, не дезинфицируйте и не стерилизуйте с помощью процедур, не указанных в данном руководстве.  
Несоблюдение мер по очистке, дезинфекции и стерилизации оборудования может привести к заражению. Кроме того, это может привести к повреждению датчика или снижению его производительности. Датчик не переносит стерилизации в автоклаве или кипячения, а также другие виды стерилизации при температурах, превышающих 60 °C (140 °F).
-  Подробнее об условиях использования химикатов и процедурах стерилизации см. в документации, поставляемой вместе с соответствующим химикатом или стерилизационным оборудованием.  
Дезинфекция или стерилизация, выполненные ненадлежащим образом, могут привести к заражению. Неправильная процедура дезинфекции и стерилизации может привести к повреждению датчика.

### Внимание

-  Не погружайте датчик в жидкости, выходя за пределы диапазона IPX7. Диапазон водонепроницаемости указан в отдельном руководстве по эксплуатации «Характеристики».  
Если какая-либо жидкость попадет в разъем, немедленно прекратите использование датчика, иначе это может привести к поражению электрическим током оператора или пациента.  
Обратитесь в один из наших офисов и (или) офисы дистрибьюторов, контакты которых перечислены на задней обложке.
-  Не протирайте спиртом область ультразвукового излучения.  
Спирт может повредить эту область. Если необходимо протереть спиртом, протрите как можно легче.
-  Не используйте органический растворитель для очистки, чтобы предотвратить повреждение.
-  Не используйте твердые или острые предметы для удаления загрязнений с поверхности датчика. Такие предметы могут повредить датчик.



## 1-1-4. Принцип действия

Данный датчик и аппарат УЗИ позволяют проводить диагностику с помощью ультразвуковых волн. Принципы работы данного оборудования описаны ниже.

- 1) После передачи электрического импульсного сигнала из передатчика в преобразователь датчика последний преобразует электрические сигналы в энергию механических вибраций для излучения импульсообразных ультразвуковых волн в часть тела, жидкость или другую среду, которые соприкасаются с преобразователем.
- 2) Излучаемые ультразвуковые волны отражаются от границ с различными акустическими характеристиками (акустическим сопротивлением) тканей тела.
- 3) Преобразователь также используется для приема отраженных ультразвуковых волн. Принимаемые ультразвуковые волны вызывают в преобразователе механические вибрации, которые он преобразует в электрическую энергию. Затем электрические сигналы с помощью модуляции яркости преобразуются в различные по степени яркости оттенки для получения изображения.

## 1-1-5. Маркировка

Значения каждой маркировки на датчике и чехле для хранения приведены ниже.

## (1) Маркировка на датчике

На датчике имеются маркировки «Частота», «Безопасность», «Производитель».

## • Маркировка частоты

На маркировке указаны диапазон частоты и тип сканирования. Цифры на маркировке обозначают диапазон частоты и тип сканирования, см. таблицу 1.

Таблица 1. Маркировка частоты

| Вид сканирования | Секторное сканирование                                                              | Радиальное сканирование                                                             | Выпуклое сканирование                                                                 | Линейное сканирование                                                                 |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Маркировка       |  |  |  |  |

- Маркировка безопасности

Значение каждого символа на маркировке безопасности (рисунок 1) описано в таблице 2.



Рисунок 1. Маркировка безопасности

Таблица 2. Отметка и значение символов на маркировке безопасности

| Отметка        | Значение                                                                                                                                                                                                           |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CE 0197</b> | Это устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS).                                                    |
| <b>IPX7</b>    | Отметка диапазона IPX7<br>См. отдельное руководство по эксплуатации «Характеристики».                                                                                                                              |
|                | Рабочая часть типа BF                                                                                                                                                                                              |
|                | Не утилизируйте устройство как обычный мусор.<br>Соблюдайте правила местного законодательства.<br>См. раздел 5.                                                                                                    |
|                | Знак совместимости с системами стерилизации STERRAD                                                                                                                                                                |
|                | Предупреждающий знак                                                                                                                                                                                               |
|                | Биологическая опасность<br>Обратитесь к отдельному руководству «Очистка, дезинфекция и стерилизация».                                                                                                              |
|                | При работе с данным устройством следуйте инструкциям, приведенным в руководстве по эксплуатации.<br>Неправильная эксплуатация может повлечь за собой травмы, повреждение имущества или неисправность оборудования. |
|                | Предупреждающий знак об электрической опасности<br>Использование поврежденного датчика может привести к поражению электрическим током.                                                                             |
| <b>MD</b>      | Медицинское изделие                                                                                                                                                                                                |

• Маркировка производителя

Маркировка производителя (рисунок 2) содержит следующую информацию:

- Производитель
- Модель, серийный номер
- Только по рецепту: только по назначению врача. Федеральный закон США предусматривает продажу этого устройства только по назначению врача.
- UDI, УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА

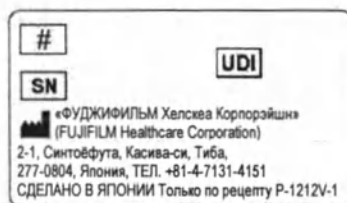


Рисунок 2. Маркировка производителя

(2) Маркировка на чехле для хранения

«Маркировка CE» расположена на чехле для хранения.



Рисунок 4. Маркировка CE

| Отметка | Значение                                                                                                                                                                                                                                                             | Отметка | Значение                                                                                                                                 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------|
|         | Это устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS).                                                                                                      |         | Импортер для Европейской экономической зоны (ЕЕА) представляется в соответствии с директивами Европейского союза 93/42/ЕЕС и 2011/65/EU. |
|         | ДАТА ПРОИЗВОДСТВА<br>Номер под знаком обозначает год и месяц производства. (в данном случае 2021-04)<br><br>СТРАНА ПРОИЗВОДСТВА<br>В маркировке указан код страны-производителя, определенный Международной организацией по стандартизации (в данном случае ЯПОНИЯ). |         | НОМЕР МОДЕЛИ                                                                                                                             |
|         | ПРОИЗВОДИТЕЛЬ                                                                                                                                                                                                                                                        |         | СЕРИЙНЫЙ НОМЕР                                                                                                                           |
|         | УПОЛНОМОЧЕННЫЙ ПРЕДСТАВИТЕЛЬ В ЕВРОПЕЙСКОМ СООБЩЕСТВЕ                                                                                                                                                                                                                |         | УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА                                                                                                      |



## 1-2. Процедура безопасности

Если в датчике обнаружены какие-либо отклонения, выполните следующие процедуры.

### 1-2-1. Обеспечение безопасности пациентов

Немедленно прекратите использование датчика и уберите его подальше от пациента.

Обеспечьте безопасность пациента и необходимое медицинское вмешательство.

### 1-2-2. Обслуживание аппарата УЗИ

Выключите аппарат УЗИ, отключите от сети и простерилизуйте, если он загрязнен. Подробности см. в руководстве по эксплуатации УЗИ аппарата.



## Внимание



Не используйте датчик, если выявлена неисправность.

Использование датчика в неисправном состоянии может привести к травме пациента. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

## 1-3. Условия эксплуатации

Условия эксплуатации и хранения оборудования:

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Температура окружающей среды    | от 10 до 40 °C<br>от 50 до 104 °F |
| Относительная влажность воздуха | от 30 до 75%                      |
| Атмосферное давление            | от 700 до 1060 гПа                |
| Высота                          | 3000 м и ниже                     |



## Внимание



Избегайте быстрого изменения температуры, которое может привести к образованию конденсата.

Не используйте датчик в местах, где могут образоваться конденсат или капли воды.

При перемещении датчика из холодного места в теплое может образоваться конденсат. Использование в таких условиях может привести к неисправности или снижению производительности датчика.

## 2. Хранение

Процедура подготовки к хранению и условия хранения описаны ниже.

### 2-1. Процедура подготовки к хранению

В случае, если датчик не будет использоваться в течение длительного периода времени, выполните процедуры, описанные в отдельном руководстве «Очистка, дезинфекция и стерилизация», а затем храните его в чехле для хранения.



#### Внимание



Храните кабель без надломанных сгибов в чехле для хранения, иначе это может привести к отсоединению кабеля.

---

### 2-2 Условия хранения

|                                 |                    |
|---------------------------------|--------------------|
| Температура окружающей среды    | от -10 до 50 °C    |
|                                 | от 14 до 122 °F    |
| Относительная влажность воздуха | от 10 % до 90 %    |
| Атмосферное давление            | от 700 до 1060 гПа |





### 3. Перемещение и транспортировка

В этом разделе под перемещением понимается перенос датчика в пределах учреждения, а под транспортировкой – перемещение на транспортном средстве или отправка оборудования на ремонт.

#### 3-1. Подготовка датчика и принадлежностей к перемещению

Храните оборудование в чехле для хранения после выполнения процедуры переработки, описанной в отдельном руководстве «Очистка, дезинфекция и стерилизация».

#### 3-2. Транспортная упаковка

После выполнения процедуры, описанной в отдельном руководстве «Очистка, дезинфекция и стерилизация», используйте чехол для хранения, а затем поместите этот чехол в картонную коробку для дополнительной защиты.

#### 3-3. Условия окружающей среды при транспортировке

|                                 |                    |
|---------------------------------|--------------------|
| Температура окружающей среды    | от -10 до 50 °C    |
|                                 | от 14 до 122 °F    |
| Относительная влажность воздуха | от 10 % до 90 %    |
| Атмосферное давление            | от 700 до 1060 гПа |

---

### Примечание

Датчик является точным оборудованием и уязвим к физическим воздействиям. Обеспечьте его защиту, упакуйте надлежащим образом для транспортировки.

Обратитесь в нашу компанию по контактам, указанным на задней обложке, при транспортировке датчика.

---

## 4. Периодическая проверка

Пожалуйста, проведите следующие испытания на безопасность и тесты производительности для безопасного использования.

### 4-1. Испытания на безопасность

Испытания на безопасность должны проводиться не реже одного раза в год квалифицированным специалистом. Протоколы испытаний должны храниться для дальнейшего использования.

#### Примечание 1

*Квалифицированный специалист:* сотрудник, проводящий испытания на безопасность медицинского электрооборудования.

При необходимости привлечения соответствующего квалифицированного специалиста сервисный персонал, обученный нами, может провести испытания за счет заказчика. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

#### Примечание 2

Сделайте копию технического паспорта проверки безопасности, приведенного в руководстве по эксплуатации УЗИ аппарата. Используйте эту копию для регистрации результатов испытаний.

#### Процедура периодических испытаний на безопасность и вынесения решений

- (1) Проверка тока утечки от области, контактирующей с пациентом, к земле. Проведите испытание в соответствии с IEC 60601-1:2005 8.7.4. а) На рисунке 15 показана измерительная схема для испытания. Замочите рабочую часть датчика и часть, рассматриваемую как рабочая, в физиологическом растворе, и измерьте ток утечки от области, контактирующей с пациентом, к земле. Рабочая часть датчика и часть, рассматриваемая как рабочая, указаны в отдельном руководстве «Характеристики».
- (2) Испытание тока утечки на пациента, вызванного внешним напряжением на прикладываемой детали типа F к телу пациента. Проведите испытание в соответствии с 60601-1 8.7.4.7 b) На рисунке 16 показана измерительная схема для испытания. Замочите рабочую часть датчика и часть, рассматриваемую как рабочая, в физиологическом растворе 0,9% и измерьте ток утечки на пациента, вызванный внешним напряжением при подключении к пациенту части F-типа. Рабочая часть датчика и часть, рассматриваемая как рабочая, указаны в отдельном руководстве «Характеристики».

Таблица 3. Стандартные значения для периодических испытаний безопасности (выдержка из IEC 60601-1)

| Пункт                                                                                                     | Нормальное состояние | Условие единичного нарушения |
|-----------------------------------------------------------------------------------------------------------|----------------------|------------------------------|
| (1) Ток утечки от области, контактирующей с пациентом, к земле                                            |                      |                              |
| Постоянный ток                                                                                            | 10 мкА или менее     | 50 мкА или менее             |
| Переменный ток                                                                                            | 100 мкА или менее    | 500 мкА или менее            |
| (2) Ток утечки на пациента, вызванный внешним напряжением при подключении к пациенту рабочей части F-типа |                      | 5000 мкА или менее           |

**Осторожно!**

Проводите испытания на безопасность не реже одного раза в год и регистрируйте полученные результаты. Незамеченное ненормальное состояние во время использования датчика может привести к травме оператора или пациента. Если в процессе тестирования датчика обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке.

**4-2. Тест производительности**

Выполняйте измерения, указанные ниже, с использованием ультразвукового фантома\* не реже одного раза в год. Протоколы испытаний должны храниться для дальнейшего использования.

- Чувствительность
- Разрешение

**Примечание 1**

Сделайте копию технического паспорта проверки точности измерений, приведенного в руководстве по эксплуатации УЗИ аппарата. Используйте эту копию для регистрации результатов испытаний.

**Примечание 2.**

Ультразвуковой фантом состоит из вещества, похожего на ткани человеческого тела по своему отклику на ультразвуковые волны.

Области с различными текстурами и мишенями, расположенными с заданными интервалами, встроены в фантом. Некоторые двойники содержат механизм для измерения в доплеровском режиме. Фантом используется для проверки работы датчика и аппарата УЗИ, а также для настройки параметров изображения.

**4-2-1. Проведение тестов**

У некоторых типов ультразвуковых фантомов есть мишени с узкими промежутками между ними для настройки разрешения.

Это позволяет проверить уровень детализации изображений, которые можно просматривать на мониторе. У фантомов без мишеней разрешение определяется равномерностью отображаемых текстур. Чувствительность может быть определена путем изучения яркости ультразвуковых изображений. Другие факторы, влияющие на разрешение, включают тип подключенного датчика, усиление, фокус и записывающий инструмент. Конкретные условия тестирования должны быть подробно записаны, чтобы обеспечить сравнение при следующей проверке.

**4-2-2. Оценка результатов**

Сравните полученное значение со значением, записанным в последнем тесте. Если между этими двумя значениями есть существенная разница, текущее значение считается ненормальным.

Важно отметить, что разрешение варьируется в зависимости от типа ультразвукового фантома, и фантомы, как правило, со временем ухудшаются.

**Внимание**

Не используйте датчик или аппарат УЗИ, если обнаружены какие-либо неисправности.

Иначе может быть поставлен неправильный диагноз. Обратитесь в нашу компанию по контактам, указанным на задней обложке.



## 5. Утилизация устройства

Переработку или утилизацию оборудования следует осуществлять надлежащим образом в соответствии с внутренними правилами компании и требованиями местного законодательства.

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### Внимание

-  Прежде чем утилизировать оборудование, продезинфицируйте его или примите другие меры по профилактике инфекции.  
Утилизация оборудования без соблюдения надлежащих профилактических мер может привести к заражению.
- 

### Директива об утилизации отработанного электрического и электронного оборудования (WEEE)

В соответствии с Директивой ЕС по утилизации электрического и электронного оборудования (WEEE) графический знак, изображенный справа, требуется размещать на любом электрическом и электронном оборудовании.

Для надлежащей утилизации данного изделия в стране ЕС обратитесь в наш офис или агентство в ЕС и соблюдайте соответствующие местные и национальные нормы и законы.



Эта страница намеренно оставлена пустой

Эта страница намеренно оставлена пустой





■ Производитель

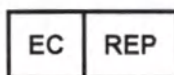


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ЕС

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1959 Саммит Коммерс Парк, г. Твинсберг, Огайо 44087, США  
(1959 Summit Commerce Park, Twinsburg, OH 44087 USA)

Дистрибьютор

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ЕС

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Местный дистрибьютор:

## О настоящем руководстве

В настоящем руководстве по эксплуатации даны указания по использованию, очистке, дезинфекции и (или) стерилизации наших ультразвуковых датчиков. В нем также приводятся требования по обеспечению безопасности и техническому обслуживанию.

Инструкции по эксплуатации основного аппарата см. в руководстве по эксплуатации соответствующего аппарата.

Перед использованием датчика внимательно ознакомьтесь с настоящим руководством и храните его в качестве справочного материала на будущее.

В случае возникновения вопросов по данному руководству обратитесь в службу поддержки.

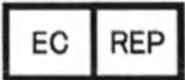
Для обозначения особо важной информации в руководстве используются следующие обозначения:

- ОСТОРОЖНО!** Используется, чтобы указать на наличие опасности, которая может привести к тяжелым травмам, гибели или значительному повреждению имущества в случае игнорирования этого предупреждения.
- ВНИМАНИЕ!** Используется, чтобы указать на наличие опасности, которая в случае игнорирования этого предупреждения приведет или может привести к незначительным травмам или повреждению имущества.
- ПРИМЕЧАНИЕ.** Используется для обозначения важной, но не связанной с опасностью информации по установке, эксплуатации или техническому обслуживанию.



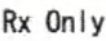
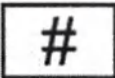
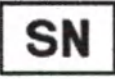
### Графические обозначения, используемые для маркировки наших ультразвуковых датчиков

Графические обозначения, используемые для маркировки наших ультразвуковых датчиков, соответствуют стандарту EN980:2008. Их значения приведены в таблице ниже.

| Значение                                            | Символ                                                                            | Описание                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Название и адрес компании-производителя             |  | «ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»<br>(FUJIFILM Healthcare Corporation)<br>2-1, Синтоёфута, Касива-си, Тиба, 277-0804, ЯПОНИЯ<br>(2-1, Shintoyofuta, Kashiwa-shi, Chiba, 277-0804 JAPAN)<br><a href="https://www.fujifilm.com/fhc/en">https://www.fujifilm.com/fhc/en</a> |
| Официальный представитель в Европейском сообществе: |  | «ФУДЖИФИЛЬМ Хелскеа Дойчланд ГмбХ»<br>(FUJIFILM Healthcare Deutschland GmbH)<br>Отто-фон-Герике-Ринг 3, D-65205 Висбаден, Германия<br>(Otto-von-Guericke-Ring 3, D-65205 Wiesbaden, Germany)                                                                           |
| Беречь от попадания прямых солнечных лучей          |  | Датчик следует хранить в прохладном, темном, сухом и защищенном от пыли месте и беречь от воздействия высокой температуры, повышенной влажности или прямых солнечных лучей.                                                                                            |

## Определение обозначений

На наших ультразвуковых датчиках также используются следующие обозначения:

| Местоположение                       | Символ                                                                              | Определение                                                                                                                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Разъем датчика<br>Чехол для хранения |    | Данное устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS)                               |
| Разъем датчика                       |    | Отметка диапазона IPX7<br>См. раздел 1.5                                                                                                                                                        |
| Разъем датчика                       |    | Рабочая часть типа BF                                                                                                                                                                           |
| Разъем датчика                       |    | Общий предупреждающий знак                                                                                                                                                                      |
| Разъем датчика                       |    | Осторожно! Опасное напряжение                                                                                                                                                                   |
| Разъем датчика                       |    | Внимание! Биологическая опасность                                                                                                                                                               |
| Разъем датчика                       |   | При работе с данным устройством следуйте инструкциям, приведенным в руководстве по эксплуатации. Игнорирование может привести к травмам, повреждению имущества или неисправностям оборудования. |
| Разъем датчика                       |  | Знак совместимости с системами стерилизации STERRAD                                                                                                                                             |
| Разъем датчика                       |  | Не выбрасывайте устройство как обычный мусор. Соблюдайте требования местного законодательства.                                                                                                  |
| Разъем датчика                       |  | Медицинское изделие                                                                                                                                                                             |
| Разъем датчика                       |  | Только по рецепту врача. Федеральный закон США предусматривает продажу этого устройства только по назначению врача.                                                                             |
| Разъем датчика<br>Чехол для хранения |  | НОМЕР МОДЕЛИ                                                                                                                                                                                    |
| Разъем датчика<br>Чехол для хранения |  | СЕРИЙНЫЙ НОМЕР                                                                                                                                                                                  |
| Разъем датчика<br>Чехол для хранения |  | УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА                                                                                                                                                             |
| Разъем датчика<br>Чехол для хранения |  | ПРОИЗВОДИТЕЛЬ                                                                                                                                                                                   |
| Чехол для хранения                   |  | Импортёр для Европейской экономической зоны (ЕЕА) представляется в соответствии с директивами Европейского союза 93/42/ЕЕС и 2011/65/EU.                                                        |

|                    |                                                                                                     |                                                                                                                                                                                                                                                                                    |
|--------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Чехол для хранения | <br><b>2021-04</b> | <b>ДАТА ПРОИЗВОДСТВА</b><br>Номер под знаком обозначает год и месяц производства. (в данном случае 2021-04)<br><br><b>СТРАНА ПРОИЗВОДСТВА</b><br>В маркировке указан код страны-производителя, определенный Международной организацией по стандартизации (в данном случае ЯПОНИЯ). |
| Чехол для хранения |                    | <b>УПОЛНОМОЧЕННЫЙ ПРЕДСТАВИТЕЛЬ В ЕВРОПЕЙСКОМ СООБЩЕСТВЕ</b>                                                                                                                                                                                                                       |



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# 1. Введение

## 1.1 Характеристики

Датчик S31 является датчиком фазированного секторного типа.

Акустическая мощность датчика при подключении к ультразвуковому сканеру измерялась в соответствии со стандартом IEC60601-2-37. Таблица с данными измеренной акустической мощности приведена в руководстве по эксплуатации каждого ультразвукового сканера.

Согласно Директиве 93/42/ЕЕС данный датчик относится к классу Па.

В соответствии со стандартом IEC60601-1 данный датчик относится к типу ВF.

## 1.2 Принцип действия

Данный датчик и ультразвуковой диагностический сканер позволяют проводить диагностику с помощью ультразвуковых волн. Принципы работы этой системы:

- 1) После передачи электрического импульсного сигнала из передатчика в преобразователь датчика последний преобразует электрические сигналы в энергию механических вибраций для излучения импульсообразных ультразвуковых волн в часть тела, жидкость или другую среду, которые соприкасаются с преобразователем.
- 2) Излучаемые ультразвуковые волны отражаются от границ с различными акустическими характеристиками (акустическим сопротивлением) тканей тела.
- 3) Преобразователь также используется для приема отраженных ультразвуковых волн. Принимаемые ультразвуковые волны вызывают в преобразователе механические вибрации, которые он преобразует в электрическую энергию. Для получения изображения электрические сигналы с помощью модуляции яркости преобразуются в различные по степени яркости тени.

### 1.3 Предусмотренное применение

Датчик S31, подключаемый к ультразвуковому сканеру, предназначен для наблюдения и диагностики преимущественно в следующих областях:

- Для детей



**ОСТОРОЖНО!**

Ни в коем случае нельзя использовать датчик для:

- 1) Непосредственного контакта с сердцем;
- 2) Биопсии сердца;
- 3) Непосредственного контакта с глазами.

### 1.4 Комплектация

Датчик S31 поставляется в следующей комплектации:

- 1) Датчик .....1 шт.
- 2) Руководство по эксплуатации .....1 экземпляр



**ВНИМАНИЕ**

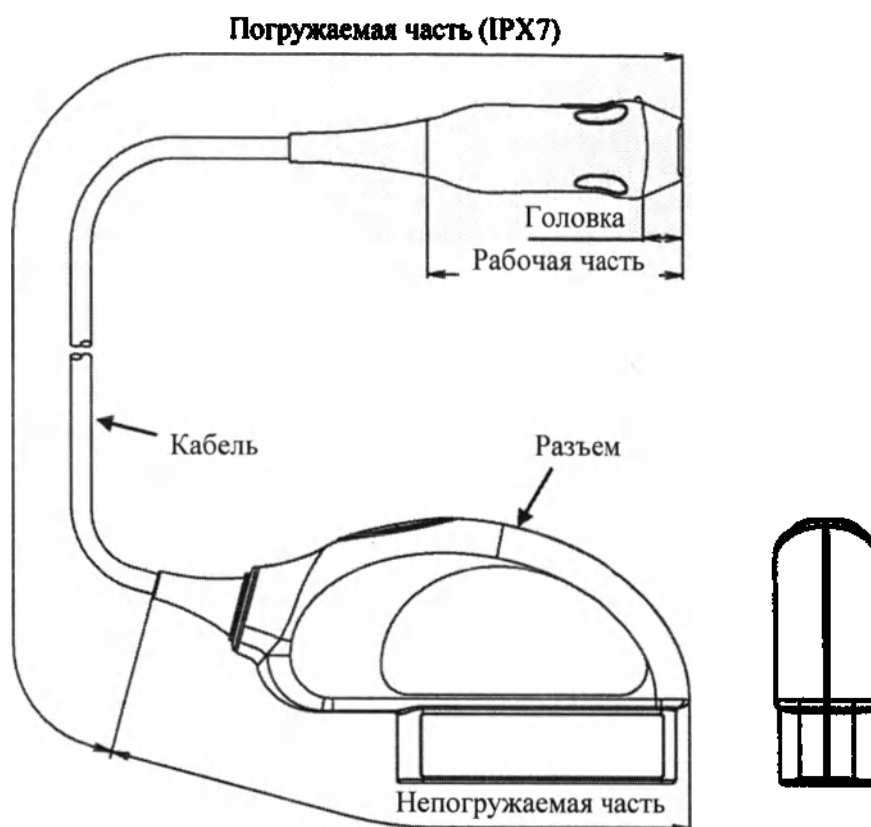
Датчик, поставляемый с завода, не подвергается стерилизации.

Перед использованием обязательно проведите очистку, дезинфекцию и стерилизацию датчика.



## 1.5 Внешний вид

На рис. 1 представлен внешний вид датчика S31.



**Погружаемая часть**

Эту часть можно погружать в дезинфицирующий раствор и мыть водой.

**Непогружаемая часть**

Эту часть нельзя погружать в дезинфицирующий раствор и мыть водой.

**Рисунок 1. Внешний вид**

## 2. Осмотр перед использованием

В целях проверки пригодности для применения датчик перед использованием необходимо тщательно осмотреть. В случае непригодности не используйте датчик и незамедлительно обратитесь в службу поддержки.

### 2.1 Проверка правильности подключения

- 1) Убедитесь, что система работает правильно. См. руководство по эксплуатации ультразвукового диагностического сканера.
- 2) Не прикрепляйте и не присоединяйте к датчику неутвержденные изделия или устройства, такие как неутвержденные биопсийные насадки.

### 2.2 Осмотр поверхности

Визуально проверьте поверхность головки, корпуса и кабеля датчика на наличие трещин, царапин или утраты естественных свойств.

### 3. Порядок эксплуатации

- 1) Убедитесь в том, что очистка и дезинфекция или стерилизация датчика проведены.
- 2) Подключите датчик к ультразвуковому диагностическому сканеру, включите сканер и скорректируйте изображение, следуя указаниям в руководстве по эксплуатации используемого сканера.
- 3) Взаимосвязь между направлением датчика и изображением показана на рис. 2. Метка ориентации право/лево на изображении соответствует метке указателя на датчике.

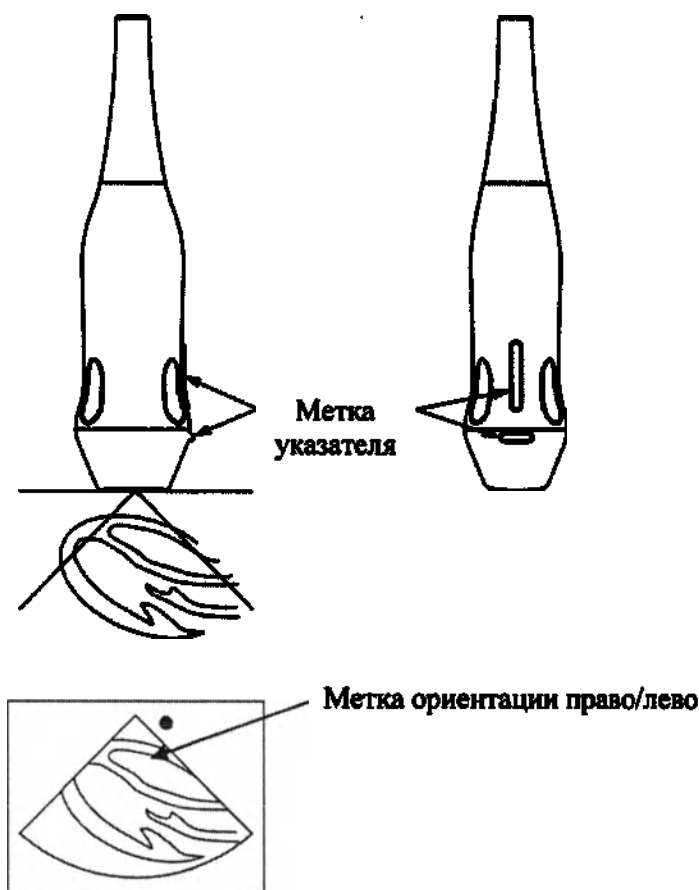


Рис. 2. Взаимосвязь между направлением датчика и меткой ориентации право/лево

- 4) Используйте в стерильных условиях. Для защиты датчика рекомендуется использовать защитные чехлы. Некоторые материалы на основе латекса могут вызывать аллергические реакции. Используйте чехлы из неаллергенных материалов.
- 5) После использования датчик необходимо очистить и дезинфицировать или стерилизовать, затем хранить в надлежащем месте.
- 6) Храните датчик в условиях, описанных в разделе 5 «Техническое обслуживание и проверка безопасности».



#### 4. Очистка, дезинфекция и стерилизация



Повторную обработку датчика необходимо проводить после каждого использования. Следуйте инструкциям по повторной обработке, изложенным в настоящей главе.

|                                      |                                                                                                                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Предупреждения                       | <ul style="list-style-type: none"><li>- Датчик поставляется нестерильным. Перед первым использованием выполните процедуру обработки датчика.</li><li>- Температура при повторной обработке не должна превышать 60 °C</li><li>- Разъем датчика не является влагонепроницаемым.</li></ul> |
| Ограничения для повторной обработки  | Датчик нельзя погружать полностью. Погружаемая часть показана на рис. 1. Непогружаемую часть следует дезинфицировать путем протирания салфетками.                                                                                                                                       |
| Транспортировка перед использованием | Для транспортировки из центрального стерилизационного блока в операционную датчик следует поместить в стерильный пакет или контейнер. Будьте осторожны, чтобы не повредить стерильную упаковку при транспортировке.                                                                     |

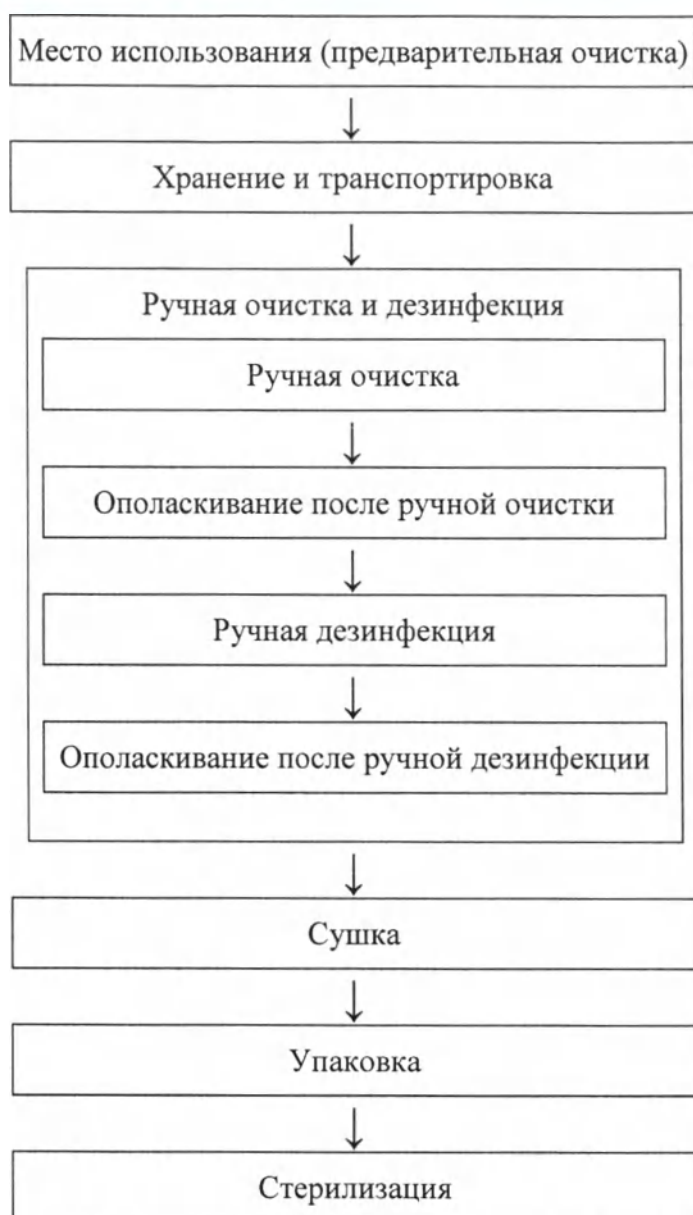
### Степень обязательности требований к повторной обработке

В зависимости от сферы применения и с учетом оценки риска для проведения обработки медицинских изделий пользователь должен классифицировать медицинское изделие в соответствии с действующей Директивой о медицинских изделиях как некритичное, полукритичное или критичное. Вспомогательная информация представлена в таблице ниже. Ответственность за правильность классификации медицинского изделия несет пользователь.

| Классификация         | Определение                                                                                         | Обработка                                                                                                |
|-----------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| некритичные изделия   | Рабочая часть контактирует только с неповрежденной кожей                                            | Очистка<br>Дезинфекция                                                                                   |
| полукритичные изделия | Рабочая часть контактирует со слизистой оболочкой (внутриполостное применение)                      | Очистка<br>Дезинфекция (дезинфицирующим средством с вирулицидным действием)                              |
| критичные изделия     | Рабочая часть контактирует непосредственно с тканью внутри организма (применение во время операции) | Очистка<br>Дезинфекция (дезинфицирующим средством с вирулицидным действием, как минимум)<br>Стерилизация |

Учитывая предусмотренное применение, датчик S31 относится к категории некритичных изделий.

Схема процесса повторной обработки датчика:



#### 4.1 Место использования (предварительная очистка)

Предварительную очистку следует проводить после каждого использования. Порядок проведения предварительной очистки:

Место  
использования  
(предварительная  
очистка)

- 1) Снимите защитный чехол.
- 2) Смывайте с датчика кровь или жидкость пациента под струей проточной воды до тех пор, пока поверхность датчика не будет выглядеть визуально чистой.
- 3) Протрите всю поверхность датчика марлевой салфеткой и удалите видимые поверхностные загрязнения.

#### 4.2 Хранение и транспортировка

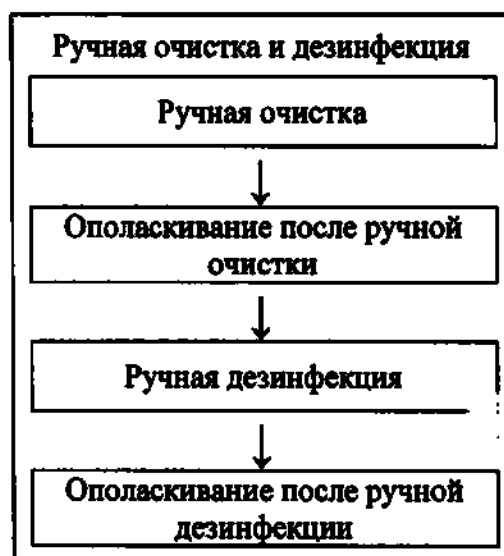
Загрязненное оборудование рекомендуется поместить в защищенный от ударов и повреждений контейнер для транспортировки. Повторную обработку инструментов рекомендуется выполнять как можно быстрее, и не позднее, чем через 4 часа после использования.

Хранение и  
транспортировка

#### 4.3 Ручная очистка и дезинфекция

Перед ручной чисткой и дезинфекцией подготовьте следующие средства:

- a) Моющее средство: «Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии
- b) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- c) Две емкости: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительная емкость для ополаскивания деионизированной/водопроводной водой (достаточного размера для погружения погружаемой части датчика на всю длину)
- d) Мягкая, неворсистая ткань или одноразовое полотенце





- е) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

Ручная очистка:

Приготовьте раствор моющего средства в емкости с холодной водой (в вопросах применения, разведения и времени воздействия, следуйте инструкциям производителя моющего средства).

- 1) Температура моющего раствора должна быть в пределах 15–30 °С, концентрация – 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя. При использовании другого моющего средства следует также учитывать его совместимость с материалами, используемыми в данном медицинском изделии.
- 2) Опустите погружаемую часть датчика без соединителя в разбавленный моющий раствор (см. рис. 3). Протрите погружаемую часть датчика мягкой тканью, не вынимая ее из моющего раствора, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы датчика.
- 3) Погружаемую часть датчика следует оставить в моющем растворе в течение времени воздействия, указанного производителем моющего средства.
- 4) Протрите непогружаемые части датчика мягкой тканью, смоченной моющим раствором.
- 5) Ополосните датчик под струей проточной воды в течение 1 минуты (или, в качестве альтернативы, на 5 минут поместите погружаемую часть датчика в лоток, наполненный деионизированной/водопроводной водой [см. рис. 3]).
- 6) Визуально проверьте наружную поверхность датчика на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

### Ручная дезинфекция:

- 1) Приготовьте раствор дезинфицирующего средства в емкости с холодной водой (в вопросах применения, концентрации, микробиологической эффективности, срока годности и времени воздействия, следуйте инструкциям производителя дезинфицирующего средства).
- 2) Перед погружением датчика проверьте концентрацию дезинфицирующего средства. Несмотря на то, что средство «Сайдекс® ОПА» не требует разведения, для проверки его концентрации рекомендуется использовать тест-полоски. Тест-полоски могут показать, превышена ли минимальная эффективная концентрация. Также следует обратить внимание на дату истечения срока годности тест-полосок. Температура дезинфицирующего раствора должна быть не менее 20 °С. Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 3) Поместите погружаемую часть датчика в дезинфицирующее средство (см. рис. 3). Для соблюдения рекомендуемого времени воздействия, которое составляет 5 минут, установите таймер.
- 4) Ополосните погружаемую часть датчика деионизированной водой в течение 1 минуты (или, в качестве альтернативы, на 5 минут поместите погружаемую часть датчика в лоток, наполненный деионизированной водой [см. рис. 3]).
- 5) Визуально проверьте наружную поверхность датчика на наличие остатков дезинфицирующего средства. При необходимости повторите ополаскивание.

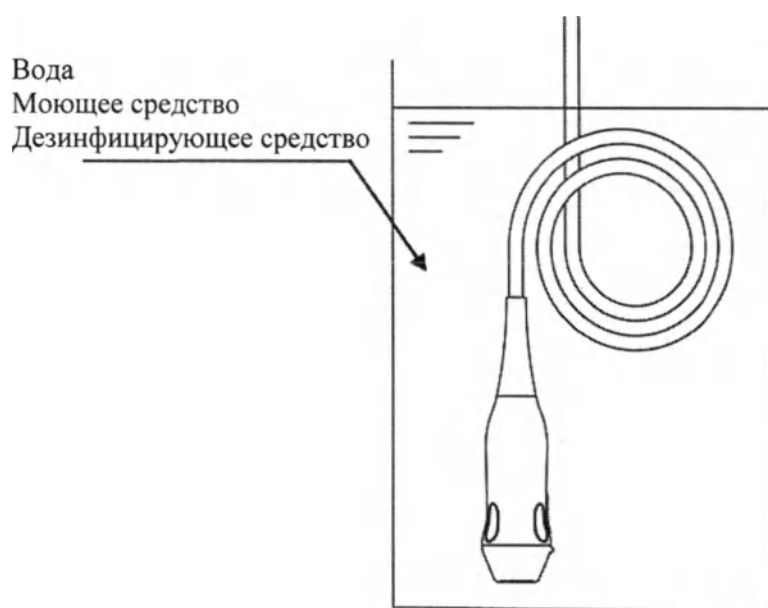


Рис. 3 Погружение датчика

#### 4.4 Сушка

Сушка

- 1) Для удаления влаги с поверхности датчика протрите его одноразовой неворсистой салфеткой или полотенцем.
- 2) Оставьте датчик высыхать естественным путем при температуре окружающей среды 15–30 °C в течение не менее 4 часов. В качестве альтернативы оборудование можно высушить с помощью сушилки при температуре менее 60 °C.

#### 4.5 Контроль

Проверьте оборудование на наличие повреждений, таких как трещины, царапины или деформации. Не используйте изделие в случае обнаружения каких-либо повреждений.

#### 4.6 Упаковка

Упаковка

Упакуйте датчик в стерильный защитный материал, например, из полипропиленовых волокон, или прозрачную упаковку из полиэтиленовой пленки и тайвека (Tyvek®), и затем поместите в лоток. Лоток также следует накрыть стерильным защитным материалом.

Дополнительно датчик можно поместить на пластиковую сетку, поставляемую для плазменной стерилизации, и затем упаковать, как описано выше.

Датчик можно упаковывать в одинарную или двойную упаковку.

Обратите внимание, что размер стерильного защитного материала должен быть достаточным для упаковки оборудования, при этом остается достаточно материала для полной запайки.

Стерильный защитный материал следует запаять с помощью соответствующей запаечной машины. Важно убедиться в том, что упаковка запаяна полностью. Если упаковка запаяна не полностью, повторите упаковку и запайку оборудования.

#### 4.7 Стерилизация

Датчик можно стерилизовать этиленоксидом (EtO) или методом плазменной стерилизации (см. таблицу ниже).

Что касается использования, температуры и времени стерилизации, следуйте инструкциям производителя стерилизатора.

Метод стерилизации и условия ее проведения:

| Метод стерилизации                                        | Состояние                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Плазменная стерилизация:<br>STERRAD® 50, 100S или 200 (*) | Короткий цикл                                                                                                                                                                                                                                                                                                                 |
| Плазменная стерилизация:<br>Sterrad® NX или 100NX (*)     | Стандартный цикл                                                                                                                                                                                                                                                                                                              |
| Стерилизация этиленоксидом                                | <ul style="list-style-type: none"><li>➤ Тип газа: 10 % ЭО/90 % ГХФУ</li><li>➤ Температура: 50–55 °C</li><li>➤ Время воздействия: более 120 минут</li><li>➤ Повышение давления: 162–200 кПа<br/>Снижение давления: 13–8 кПа</li><li>➤ Относительная влажность: 40–90 %</li><li>➤ Аэрация в течение не менее 12 часов</li></ul> |

\* Системы STERRAD® производит компания «Джонсон & Джонсон»

#### ОСТОРОЖНО!

- 1) Перед проведением стерилизации проверьте, чтобы рабочие параметры стерилизатора не выходили за пределы минимальных и максимальных параметров, применимых для датчика.
- 2) Не стерилизуйте датчик паром. Воздействие пара приведет к серьезному повреждению изделия, после чего оно не будет функционировать.



Упаковку перед стерилизацией следует проводить в следующем порядке:

- 1) Поместите датчик в тайвековый пакет.

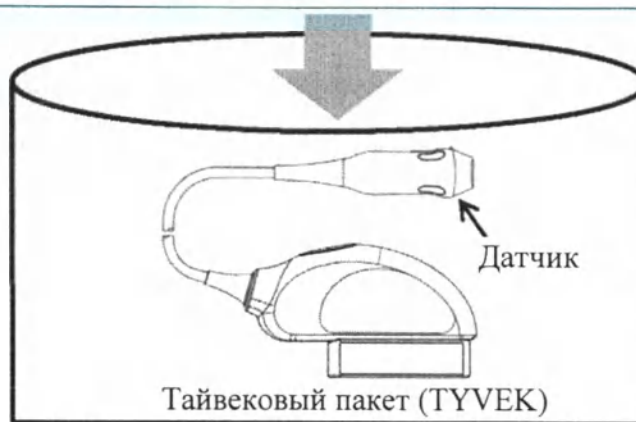


Рис. 4 Упаковка в пакет

- 2) С помощью запаечной машины запечатайте тайвековый пакет. Убедитесь, что пакет запаян полностью.

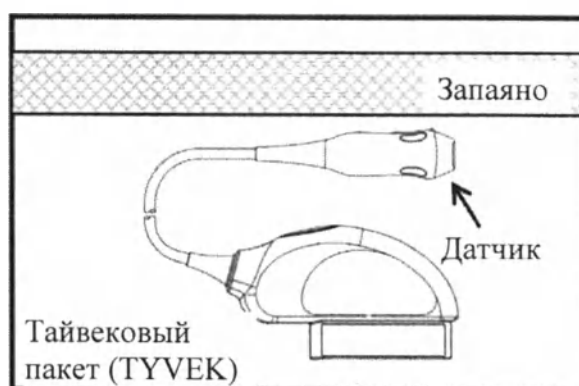


Рис. 5 Запаивание

- 3) Поместите запаянный пакет в лоток или пластиковую сетку для стерилизации.

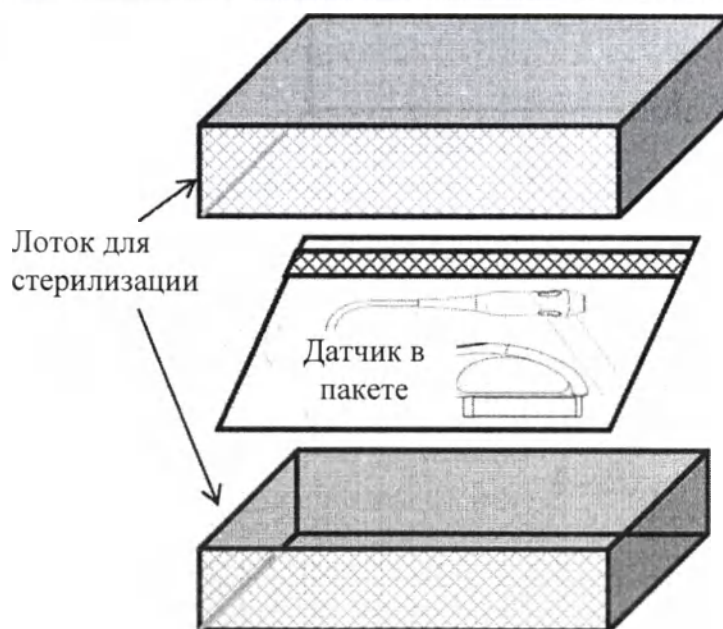


Рис. 6 Упаковка в лоток

#### 4.8 Хранение



Храните оборудование в прохладном, сухом, темном и защищенном от пыли месте, избегая воздействия высокой температуры, влажности и попадания прямых солнечных лучей. Ограничения по времени хранения стерилизованного оборудования зависят от типа упаковки.

### 5. Техническое обслуживание и проверка безопасности



- 1) После использования датчика необходимо провести очистку, дезинфекцию и стерилизацию согласно разделу 4 «Очистка, дезинфекция и стерилизация», после чего храните его в прохладном и темном месте, избегая высокой температуры, влажности и воздействия прямых солнечных лучей.
- 2) Визуально осмотрите поверхность головки, корпуса, кабеля и разъема датчика на наличие трещин, царапин или утраты естественных свойств. В случае обнаружения каких-либо повреждений не используйте датчик и незамедлительно обратитесь в службу поддержки.

## 6. Меры предосторожности

### ОСТОРОЖНО!

- Ни в коем случае не используйте датчик, если на его головке, корпусе или кабеле присутствуют трещины или повреждения.
- Предупреждение на случай использования чехлов для датчиков с содержанием латекса. Латекс может вызывать такие аллергические реакции, как зуд, покраснение, крапивница, отек, повышение температуры, одышка, свистящее дыхание, понижение артериального давления, шок и т.д.  
Не используйте медицинские изделия с содержанием латекса у пациентов с подозрением на аллергию на латекс.  
Если во время проведения манипуляции у пациента возникает любой из вышеперечисленных симптомов, немедленно прекратите использование медицинских изделий с содержанием латекса и окажите пациенту необходимую помощь.

### ВНИМАНИЕ

- При проведении обследования на ранних сроках беременности время воздействия должно быть максимально коротким. Начинать обследование в этом случае следует с акустической мощности, установленной в положение L (низкая).
  - Разъем датчика не является водонепроницаемым. Не допускайте попадания жидкости в разъем.
  - Нельзя бросать, ударять или сгибать датчик.
  - Используйте воду, моющие и дезинфицирующие средства, поставляемые только компаниями, указанными в перечне поставщиков.
  - В стерильных условиях используйте надлежащую защиту для датчика и кабеля. Некоторые материалы на основе латекса могут вызывать аллергические реакции.
- Датчик поставляется недезинфицированным и нестерилизованным.
- Для обеспечения высокого разрешения в датчике используется очень тонкая акустическая линза. Поэтому вытирать гель или очищать акустическую линзу нужно с осторожностью, используя для этого мягкую ткань или бумажную салфетку.

## 7. Характеристики

### 7.1 Датчик

|                              |   |                                                                                                                                      |
|------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------|
| Тип                          | : | Датчик S31                                                                                                                           |
| Рабочая акустическая частота | : | 5 МГц                                                                                                                                |
| Технология                   | : | Фазированный датчик                                                                                                                  |
| Размеры                      | : | См. рис. 7                                                                                                                           |
| Масса                        | : | Прибл. 0,35 кг<br>(включая кабель и разъем)                                                                                          |
| Угол сканирования            | : | 90°                                                                                                                                  |
| Материалы в составе датчика  | : | Биосовместимые неаллергенные компоненты                                                                                              |
| Акустическая мощность        | : | Согласно стандарту IEC60601-2-37 (см. руководство по эксплуатации основного аппарата)                                                |
| Применимые системы           | : | В зависимости от периода производства и статуса обновления.<br><br>Для получения подробной информации обратитесь в службу поддержки. |
| Классификация                | : | Класс IIa согласно Директиве о медицинских изделиях.                                                                                 |
| Очистка                      | : | Применимые моющие средства приведены в перечне поставщиков                                                                           |
| Дезинфекция                  | : | Применимые дезинфицирующие средства приведены в перечне поставщиков                                                                  |
| Стерилизация                 | : | Стерилизация этиленоксидом или плазменная стерилизация                                                                               |

#### Условия эксплуатации:

|                                                                           |   |                          |
|---------------------------------------------------------------------------|---|--------------------------|
| Температура окружающей среды                                              | : | от +10 до +35 °C         |
| Температура контактной поверхности<br>(температура обследуемого пациента) | : | макс. 42 °C              |
| Относительная влажность воздуха                                           | : | 30–85% (без конденсации) |

#### Условия хранения:

|                                 |   |                           |
|---------------------------------|---|---------------------------|
| Температура                     | : | от -10 до +55 °C          |
| Относительная влажность воздуха | : | 10–95 % (без конденсации) |



## 7.2 Перечень поставщиков

Приведенные ниже изделия и средства прошли серьезные испытания и утверждены для использования с датчиком S31.

| Название изделия                        | Производитель                                        | Назначение                             |
|-----------------------------------------|------------------------------------------------------|----------------------------------------|
| «Сайдезим» (Cidezyme®)                  | «Джонсон & Джонсон»                                  | Ферментное моющее средство             |
| «СТЕРАНИОС»<br>(STERANIOS) 2 %          | «АНИОС»                                              | Дезинфицирующее средство               |
| «АНИОКСИД 1000»<br>(ANIOXYDE1000)       | «АНИОС»                                              | Дезинфицирующее средство               |
| «САЙДЕКС» (CIDEX)                       | «Джонсон & Джонсон»                                  | Дезинфицирующее средство               |
| «САЙДЕКС плюс 28»<br>(CIDEX® plusTM 28) | «Джонсон & Джонсон»                                  | Дезинфицирующее средство               |
| «САЙДЕКС® ОПА»<br>(CIDEX® OPA)          | «Джонсон & Джонсон»                                  | Дезинфицирующее средство               |
| РАСТВОР ГИАМИНА                         | «РИККА КЕМИКАЛ КОМПАНИ»<br>(RICCA CHEMICAL COMPANY)  | Дезинфицирующее средство               |
| «СТЕРИГИД»<br>(STERIHUDE®)              | «Маруиси Фармасьютикал»<br>(Maruishi Pharmaceutical) | Дезинфицирующее/стерилизующее средство |
| «ВАВИЦИД-01»<br>(WAVICIDE-01)           | «Медикал Кемикал Корп» (Medical Chemical Corp)       | Дезинфицирующее/стерилизующее средство |

Для получения действующей редакции «Перечня дезинфицирующих/стерилизующих средств, совместимых с ультразвуковым датчиком и комплектующими к нему», обратитесь к местному дистрибьютору

## 8. Утилизация датчика

Переработка или утилизация данного оборудования осуществляется в соответствии с Законом об обращении с отходами и общественной очистке.



### ВНИМАНИЕ

Прежде чем утилизировать оборудование, продезинфицируйте его или примите другие меры по профилактике инфекции.

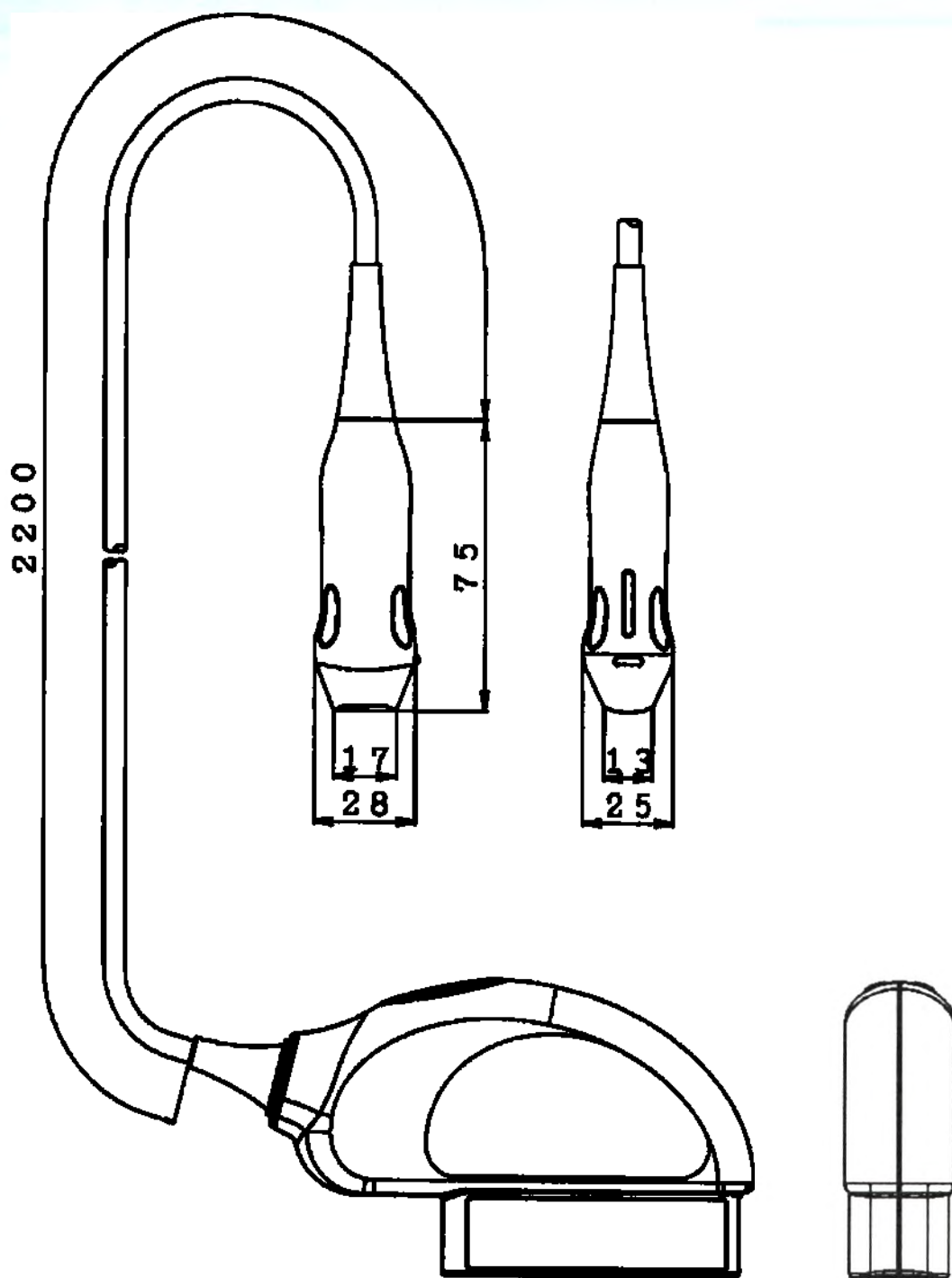
Утилизация оборудования без соблюдения надлежащих профилактических мер может привести к заражению.

## Директива об утилизации отработанного электрического и электронного оборудования (WEEE)

В соответствии с Директивой ЕС по утилизации электрического и электронного оборудования (WEEE) графический знак, изображенный справа, требуется размещать на любом электрическом и электронном оборудовании.

Для надлежащей утилизации данного изделия в стране ЕС обратитесь в отделение или агентство ЕС и соблюдайте соответствующие местные и национальные нормы и законы.





Единица измерения: мм

Рис. 7. Размеры

Е

**FUJIFILM**

## Датчик S11

# Руководство по эксплуатации Характеристики

### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации, а также отдельное руководство по эксплуатации «Безопасность (MN1-5980)» и «Очистка, дезинфекция и стерилизация (MN1-5998)» перед использованием.
- Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-6409 Ред. 2

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**CE0197**



## Введение

Это руководство по эксплуатации датчика S11. Ультразвуковой датчик подключается к нашему УЗИ аппарату и в основном используется для исследования сердечно-сосудистой системы.

Перед использованием прочитайте данное руководство, а также отдельное руководство «Безопасность», в котором содержится информация по безопасному использованию.

На датчике находится маркировка «СЕ», которая действительна только при использовании датчика с УЗИ аппаратом с маркировкой «СЕ».

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                     |                                                                       |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <b>Опасно!</b>                                                        | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|     | <b>Осторожно!</b>                                                     | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|   | <b>Внимание</b>                                                       | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
| <b>Примечание</b>                                                                   |                                                                       | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  | Этот символ означает, что описываемое действие запрещено.             |                                                                                                                                                                                        |
|  | Этот символ означает, что описываемое действие является обязательным. |                                                                                                                                                                                        |

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Данное руководство по эксплуатации содержит 4 страницы вступительной части и 8 страниц основного содержания.

## 1. Общая информация

Общая информация об ультразвуковом датчике приведена ниже.

### 1-1. Предусмотренное применение

Этот датчик предназначен для использования врачами и другими квалифицированными операторами. Ультразвуковой датчик контактирует с телом пациента для исследования окружающих его органов.

Пожалуйста, обратитесь к инструкции по эксплуатации УЗИ аппарата, используемого с этим ультразвуковым датчиком, для информации о назначении датчика.

Относительно совместимого оборудования, пожалуйста, обратитесь к разделу 2-1. Характеристики данного руководства.



### Осторожно!



Не используйте это оборудование не по назначению.

В противном случае это может привести к ожогам или другим травмам оператора или пациента.

### 1-2. Классификация медицинского электрооборудования

Этот ультразвуковой датчик классифицируется следующим образом в соответствии с IEC60601-1.

Пожалуйста, обратитесь к разделу 2-1 относительно рабочей части, детали, рассматриваемой как рабочая часть, и диапазона IPX7.

|                                                                          |                                                                                              |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| • Классификация по степени защиты от поражения электрическим током ..... | Рабочая часть типа BF                                                                        |
| • Классификация по степени защиты от попадания жидкостей .               | IPX7 (водонепроницаемое оборудование)                                                        |
| • Режим работы .....                                                     | Непрерывный                                                                                  |
| • Метод стерилизации .....                                               | Обратитесь к отдельному руководству по эксплуатации<br>«Очистка, дезинфекция и стерилизация» |

### 1-3. Стандартные компоненты

Стандартный комплект датчика S11 включает следующие компоненты.

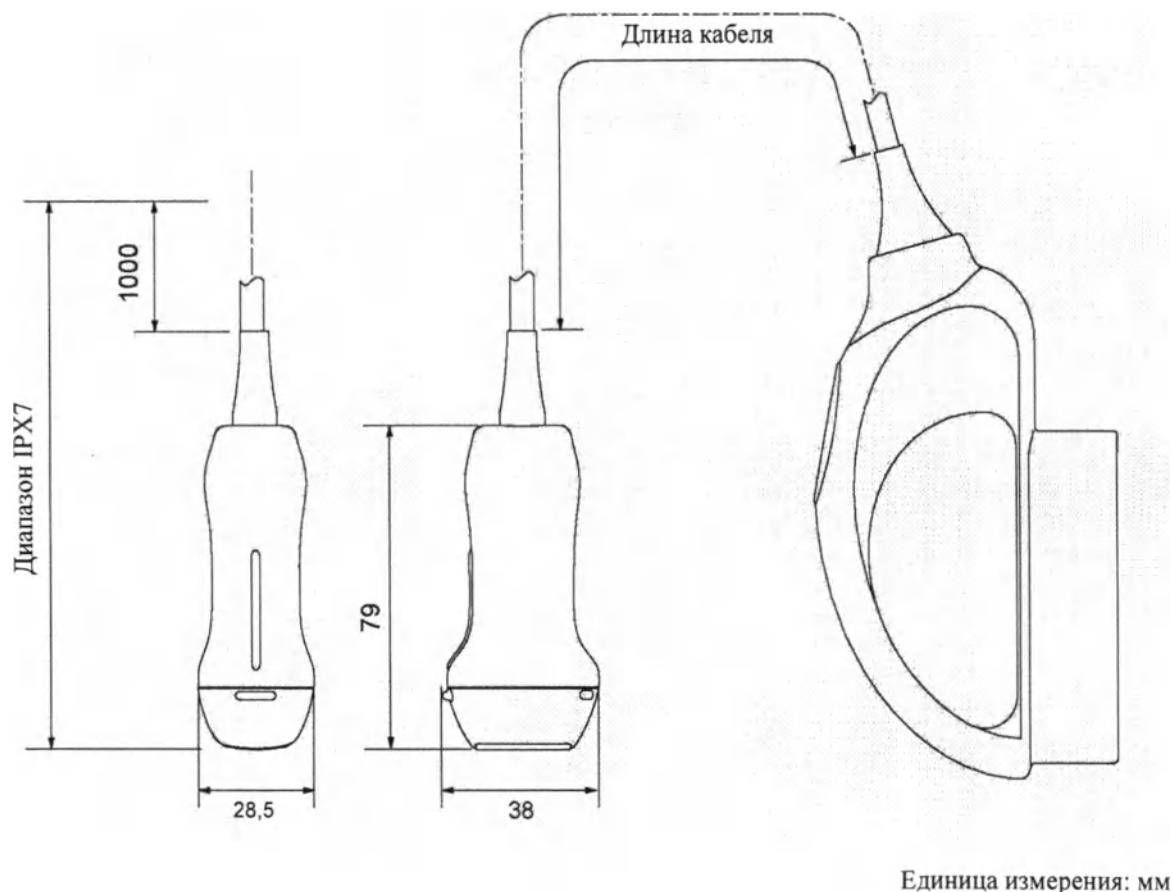
|                                                        |             |
|--------------------------------------------------------|-------------|
| Датчик S11 .....                                       | 1 комплект  |
| Чехол для хранения .....                               | 1 комплект  |
| Руководство по эксплуатации                            |             |
| • Характеристики (MN1-6409) .....                      | 1 экземпляр |
| • Безопасность (MN1-5980) .....                        | 1 экземпляр |
| • Очистка, дезинфекция и стерилизация (MN1-5998) ..... | 1 экземпляр |
| .....                                                  |             |

## 2. Характеристики и названия инструментов

Характеристики и названия каждого инструмента приведены ниже.

### 2-1. Характеристики

|                                      |                                                                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Применение:                          | Сердечно-сосудистая система                                                                                                                                                                                                                                                          |
| Тип контакта с пациентом:            | Поверхностный                                                                                                                                                                                                                                                                        |
| Совместимое оборудование:            | АРИЭТТА (ARIETTA) 65                                                                                                                                                                                                                                                                 |
|                                      | <b>ПРИМЕЧАНИЕ:</b><br>На момент публикации данного руководства версия совместимого УЗИ аппарата или программного обеспечения данного датчика отличалась для каждой страны, пожалуйста, обратитесь к руководству по эксплуатации прибора или к местному представителю нашей компании. |
| Угол обзора:                         | 90°                                                                                                                                                                                                                                                                                  |
| Частота:                             | 2,5 МГц                                                                                                                                                                                                                                                                              |
| Длина кабеля:                        | 2,2 м                                                                                                                                                                                                                                                                                |
| Срок службы:                         | 3 года                                                                                                                                                                                                                                                                               |
| Рабочая часть:                       | Головка ультразвукового датчика, включая источник ультразвуковых волн, см. раздел 2-2                                                                                                                                                                                                |
| Деталь, рассматриваемая как рабочая: | Кабель длиной до 1 метра, считая от головки датчика                                                                                                                                                                                                                                  |
| Диапазон IPX7                        | См. рисунок 1                                                                                                                                                                                                                                                                        |
| Точность измерения:                  | Обратитесь к руководству по использованию УЗИ аппарата                                                                                                                                                                                                                               |
| Внешние размеры:                     | См. рисунок 1                                                                                                                                                                                                                                                                        |



Примечание: допуск на размер  $\pm 10\%$ .

Рисунок 1. Внешний вид



## 2-2. Названия деталей

Название каждой детали приведено на рисунке 2, описание каждой детали – в таблице 1.

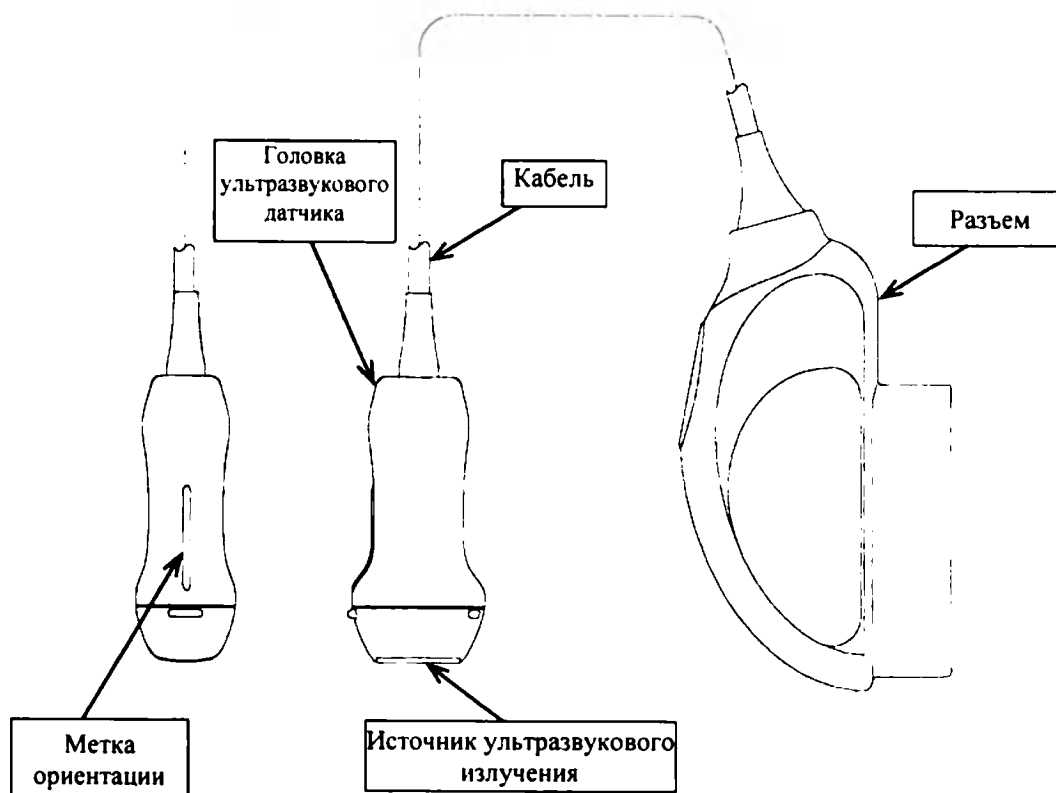


Рисунок 2. Названия деталей

Таблица 2. Название каждой детали и описание

| Название                           | Описание                                                                                              |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| Источник ультразвукового излучения | Ультразвук генерируется в данной детали. Электронный секторный преобразователь встроен под эту часть. |
| Метка ориентации                   | Сторона, на которой находится метка ориентации, соответствует стороне изображения на мониторе.        |
| Головка ультразвукового датчика    | Оператор держит датчик за эту часть во время исследования.                                            |
| Кабель                             | Кабель передает входной/выходной электрический сигнал.                                                |
| Разъем                             | Разъем предназначен для присоединения датчика к УЗИ аппарату.                                         |

**Внимание**

Не тянуть, не сгибать, не скручивать кабель, не применять чрезмерную силу.  
Датчик может неправильно работать при отсоединении кабеля.



Не подвергайте источник ультразвукового излучения сильному воздействию.

Воздействие может привести к повреждению преобразователя, что приведет к появлению шумов или отсутствию эха на изображении.

В большинстве случаев источник ультразвукового излучения не повреждается, так как он сделан из эластичного материала.

### 3. Подготовка к использованию

Эта глава описывает меры подготовки к безопасному использованию ультразвукового датчика. Пожалуйста, подготавливайте ультразвуковой датчик перед каждым использованием, следуя инструкциям ниже.

#### 3-1. Визуальная проверка

Визуально проверьте головку датчика, источник ультразвукового излучения, кабель и разъем.

Не используйте датчик при обнаружении каких-либо отверстий, вмятин, истирания, деформации, слабого крепления, обесцвечивания и других повреждений.

#### 3-2. Подтверждение очистки, дезинфекции и стерилизации

Убедитесь, что ультразвуковой датчик действительно был очищен, дезинфицирован и стерилизован. Степень обработки зависит от назначения. Обратитесь к отдельному руководству «Очистка, дезинфекция и стерилизация» для получения информации о процедуре очистки, дезинфекции и стерилизации.

#### 3-3. Проверка работоспособности

Подключите датчик к УЗИ аппарату и проверьте, что отображаемый тип сканирования и диапазон частоты такие же как у датчика. Проверьте, что нет никаких помех на изображении.

**Примечание.** Пожалуйста, обратитесь к документации УЗИ аппарата, чтобы узнать, как подключить датчик, и какая информация отображается на мониторе.

Если датчик работает в неподвижном воздухе, яркость верхней части изображения может быть неравномерной, но это не влияет на производительность датчика.



#### Осторожно!



Проводите подготовку перед каждым использованием.

Оператор и пациент могут получить травму, если оборудование неисправно.

Если в оборудовании обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке

---



#### Внимание



Не используйте ультразвуковой датчик, если отображаемый тип и частота сканирования не соответствуют данным датчика. Неправильная акустическая мощность может привести к ожогам или другим травмам пациента. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

---

#### 4. Эксплуатация

Приложите источник ультразвукового излучения датчика к поверхности кожи. Изображение интересующей области появляется на мониторе УЗИ аппарата. Подробнее об отображении и настройке изображения смотрите в документации, прилагаемой к УЗИ аппарату.

---

#### Внимание

---



Не применяйте к датчику чрезмерную силу.

Применение чрезмерной силы при использовании может привести к травме пациента.

---



Сканируйте в течение минимально необходимого времени на минимально возможной частоте излучения. Акустическая мощность может повлиять на внутренние ткани пациента.

За подробностями об акустической мощности, пожалуйста, обратитесь к документации, приложенной к УЗИ аппарату.

---



Не прикасайтесь к контактам разъема датчика.

Электростатический разряд может привести к неправильной работе датчика.

---



Не прикасайтесь к разъему датчика и пациенту одновременно. Это может привести к поражению пациента электрическим током.

---

■ Производитель



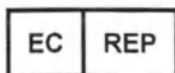
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Великобритания



Дистрибьютор



# FUJIFILM

## Датчик

# Руководство по эксплуатации «Очистка, дезинфекция и стерилизация»

### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-5998 Ред. 16

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**CE0197**

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора или пациента.

|                                                                                   |                   |                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|  | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|  | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                   | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 6 страниц вступительной части и 26 страниц основного содержания.



## 1. Применяемые методы очистки, дезинфекции и стерилизации

Применяемые методы очистки, дезинфекции и стерилизации для каждого изделия перечислены в таблице 1. Подробнее о каждом методе смотрите в главе 3.

Таблица 1. Применяемые методы очистки, дезинфекции и стерилизации

| Модель  | См. соответствующие подпункты в главах 4, 6, 7 и 9 | Очистка |                | Дезинфекция |                | Стерилизация |          |               |         | Водонепроницаемый чехол (WP-001) |
|---------|----------------------------------------------------|---------|----------------|-------------|----------------|--------------|----------|---------------|---------|----------------------------------|
|         |                                                    | Ручная  | Автоматическая | Ручная      | Автоматическая | EtO          | СТЕРРАД® | Жидкостная *2 | СТЕРИС® |                                  |
| C251    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C25P    | B                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C35     | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| L441    | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| S12     | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S211    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S42     | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S22     | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| MXS1    | A                                                  | X       |                | X           |                |              |          | X             |         |                                  |
| S121    | A                                                  | X       |                | X           |                |              | X        | X             |         |                                  |
| C252    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| SML44   | A                                                  | X       |                | X           |                | X            | X*,      | X             |         |                                  |
| C253    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| L442    | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| S11     | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| C23RV   | A                                                  | X       | X              | X           | X              | X            | X        | X             | X*1     | X                                |
| C23     | A                                                  | X       | X              | X           | X              | X            | X        | X             | X*1     | X                                |
| L35     | A                                                  | X       |                | X           |                | X            | X        | X             |         |                                  |
| MP-2804 | C                                                  | X       | X              | X           | X              | X            | X        | X             |         |                                  |
| RV-004  | C                                                  | X       | X              | X           | X              | X            | X        | X             |         |                                  |
| RV-005  | C                                                  | X       | X              | X           | X              | X            | X        | X             |         |                                  |
| RV-014  | C                                                  | X       | X              | X           | X              | X            | X        | X             |         |                                  |
| RV-017  | C                                                  | X       | X              | X           | X              | X            | X        | X             | X       |                                  |

Примечание: X означает «применимо».

\*1: нужен водонепроницаемый чехол (WP-001)

\*2: жидкостная стерилизация только в США

\*3: используйте систему СТЕРРАД® 100S.



## 2. Меры предосторожности при очистке, дезинфекции и стерилизации

При очистке, дезинфекции и стерилизации датчика и дополнительных приспособлений необходимо обратить внимание на следующие предупреждения и предостережения.

### Осторожно!

-  Во время чистки, дезинфекции и стерилизации надевайте перчатки и другие средства защиты. Обращение с датчиком голыми руками перед стерилизацией может привести к инфекции.
-  После замачивания датчика в чистящем средстве тщательно промойте датчик проточной водой. Остаточные чистящие средства могут вызвать побочные реакции на организм оператора или пациента.
-  После химической стерилизации тщательно промойте датчик стерильной водой. Остаточные химические вещества могут вызвать побочные реакции у оператора или пациента (только в США).
-  После дезинфекции датчика тщательно промойте его деионизированной водой. Остаточные дезинфицирующие средства могут вызвать побочные реакции на организм оператора или пациента. (только в ЕС)
-  Проведите полную аэрацию после газовой стерилизации. Остаточный газ может вызвать побочные реакции у оператора или пациента.
-  Не очищайте и не стерилизуйте с помощью процедур, не указанных в данном руководстве. Несоблюдение мер по очистке и стерилизации оборудования может привести к инфекции. Кроме того, это может привести к повреждению датчика или снижению его производительности. Датчик не переносит стерилизации в автоклаве или кипячения, а также другие виды стерилизации при температурах, превышающих 60 °C (140 °F).
-  Подробнее об условиях использования химикатов и процедурах стерилизации см. в документации, поставляемой вместе с соответствующим химикатом или стерилизационным оборудованием. Из-за недостаточной стерилизации может возникнуть инфекция. Неправильная стерилизация может привести к повреждению датчика.

### Внимание

-  Не погружайте датчик в жидкости, выходя за пределы диапазона IPX7. Диапазон водонепроницаемости указан в отдельном руководстве по эксплуатации «Характеристики». Если жидкость попадает внутрь разъема, немедленно прекратите использование и свяжитесь с одним из наших офисов и (или) офисов дистрибьютора, указанным на задней обложке. Жидкость в разъеме может привести к поражению электрическим током оператора или пациента.
-  Не протирайте спиртом область ультразвукового излучения. Спирт может повредить эту область.
-  Не используйте органический растворитель для очистки, чтобы предотвратить повреждение.
-  Не используйте твердые или острые предметы для удаления загрязнений с поверхности датчика. Такие предметы могут повредить датчик.
-  При очистке, дезинфекции и стерилизации датчика обязательно снимайте принадлежности.
-  Если необходимо использование водонепроницаемого чехла, следуйте руководству по эксплуатации, чтобы правильно надеть его на ультразвуковой датчик.

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## Примечание

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Ультразвуковой датчик может быть поврежден путем повторной очистки, дезинфекции и стерилизации.

Подготовьте датчик в соответствии с главой 3 «Подготовка к использованию» в отдельном руководстве по эксплуатации «Характеристики».

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### Дополнительная информация

Приведенная выше инструкция утверждена производителем медицинского оборудования, который подтверждает, что медицинское оборудование пригодно для повторного использования. На использующем оборудовании учреждение лежит ответственность за то, что обработка в том виде, в каком она была фактически выполнена с использованием оборудования, материалов и персонала, достигла желаемого результата. Для этого требуется проверка и регулярный мониторинг процесса обработки. Точно так же любое отклонение со стороны использующего оборудование учреждения от предоставленных инструкций должно быть надлежащим образом оценено с точки зрения эффективности и потенциальных негативных последствий.



### 3. Инструкция по повторной обработке в соответствии с ISO 17664

Позаботьтесь о соблюдении санитарных правил, перед тем как использовать датчик со следующими пациентами. Если требуется повторная обработка данного оборудования, обратитесь к данным инструкциям.

Таблица 2

|                                      |                                                                                                                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Предупреждения                       | <ul style="list-style-type: none"> <li>Датчик поставляется нестерильным. Перед первым использованием выполните процедуру обработки датчика.</li> <li>Не превышайте температуру 60 °C [140 °F].</li> <li>Разъем датчика не является влагонепроницаемым.</li> </ul>               |
| Ограничения для повторной обработки  | Датчик не предназначен для полного погружения (не погружайте его в жидкости, выходя за пределы диапазона IPX7. Диапазон указан в отдельном руководстве по эксплуатации «Характеристики»). Детали, не погружаемые в жидкости, можно дезинфицировать только посредством протирки. |
| Транспортировка перед использованием | Датчик следует хранить в стерильном пакете или контейнере в промежутке между перевозками из центрального стерилизационного отделения (CSSD) в операционную. Будьте осторожны, не допускайте повреждений стерильного пакета или контейнера для транспортировки.                  |

Необходимый уровень обработки зависит от типа оборудования и его использования.

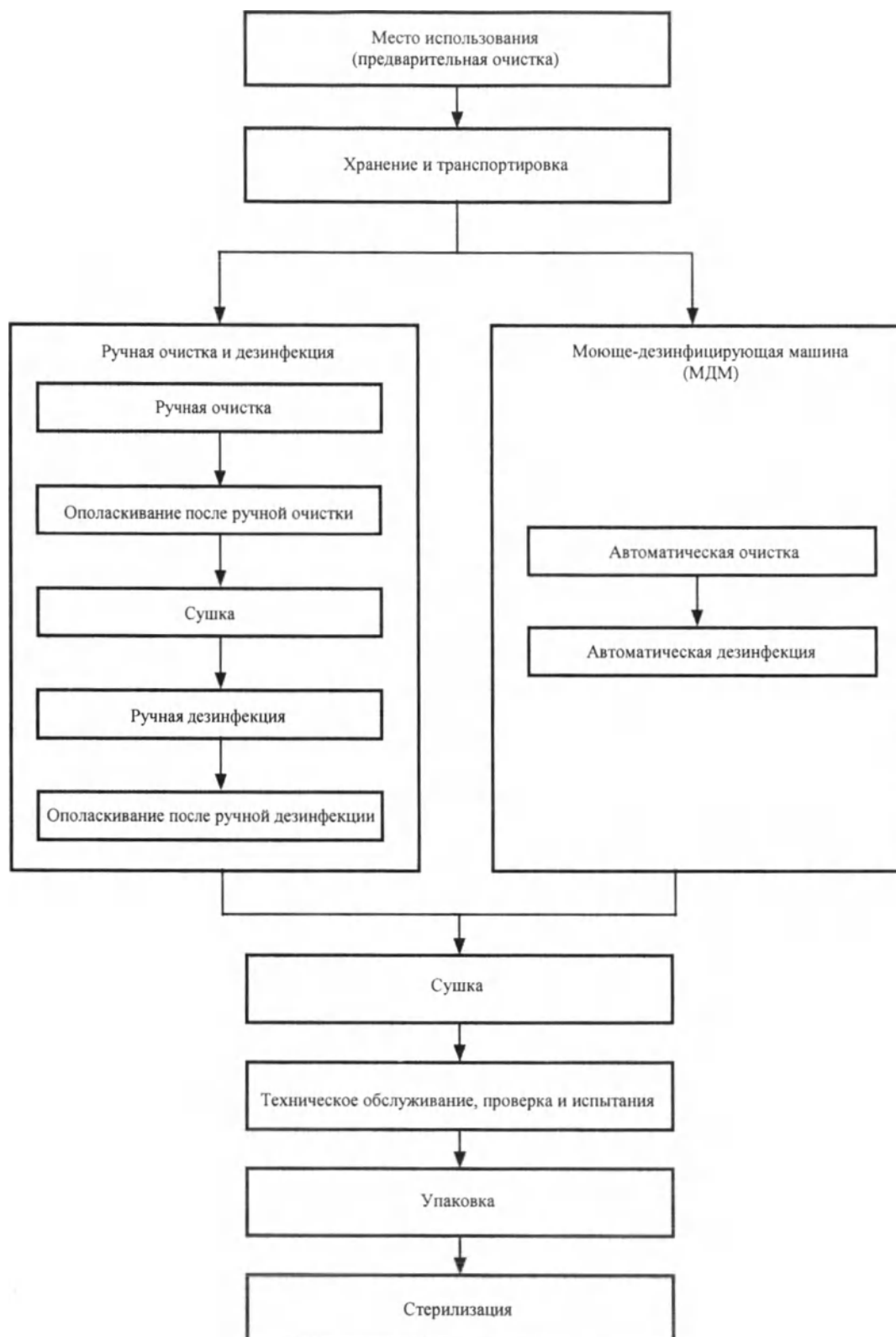
CDC (центры по контролю и профилактике заболеваний) в США и RKI (Институт Роберта Коха) в Германии классифицируют медицинские приборы в соответствии с их применением. Для каждой классификации они определяют уровень дезинфекции/стерилизации, который требуется перед применением. В таблице 3 представлена обобщенная информация.

Таблица 3

| Классификация         | Определение                                                                                               | Обработка                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Некритичные изделия   | Рабочая часть контактирует только с неповрежденной кожей                                                  | Очистка<br>↓<br>Дезинфекция<br>[в США - низкоуровневая дезинфекция]                                                                                                   |
| Полукритичные изделия | Рабочая часть контактирует со слизистой оболочкой (внутриполостное применение)                            | Очистка<br>↓<br>Дезинфекция (дезинфицирующее средство с бактерицидным, фунгицидным и вирулицидным эффектом)<br>[в США – высокоуровневая дезинфекция или стерилизация] |
| Критичные изделия     | Используемая деталь контактирует непосредственно с интракорпоральной тканью (интраоперационная процедура) | Очистка<br>↓<br>Дезинфекция<br>↓<br>Стерилизация *1                                                                                                                   |

\*1. при отсутствии возможности стерилизации Управление по санитарному надзору за качеством пищевых продуктов и медикаментов (FDA) в США признает, что дезинфекция (в США – высокоуровневая дезинфекция), использование стерильного геля и стерильного защитного покрытия датчика, как описано в инструкциях, прилагаемых к защитному покрытию, является общепринятым способом борьбы с инфекцией.

Схема процесса повторной обработки данного датчика и принадлежностей выглядит следующим образом:



**Примечание:** совместимы только принадлежности, описанные в схеме процесса повторной обработки.

#### 4. Место использования (предварительная очистка)

В операционной после эксплуатации датчика

##### А). Датчики (некритичные)

- 1) Снимите с датчика совместно используемые изделия, например, насадку для виртуальной сонографии, биопсии, защитное покрытие.
- 2) Промойте датчик сразу после использования.
- 3) Протрите всю поверхность датчика марлевой салфеткой и удалите остатки геля для УЗИ, чтобы поверхность датчика выглядела визуально чистой.

##### В). Датчики (полукритичные C25P)

- 1) Снимите с датчика совместно используемые изделия, например, насадку для виртуальной сонографии, биопсии, защитное покрытие.
- 2) Промойте датчик сразу после использования.
- 3) Смойте кровь и телесные жидкости проточной водой, чтобы поверхность датчика выглядела визуально чистой.
- 4) Протрите всю поверхность зонда марлевой салфеткой и удалите поверхностные видимые загрязнения, поверхность датчика должна выглядеть визуально чистой.

##### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Промойте аксессуар сразу после использования.
- 2) Протрите всю поверхность датчика марлевой салфеткой и удалите поверхностные видимые загрязнения, чтобы поверхность датчика выглядела визуально чистой.

#### 5. Водонепроницаемый чехол

Датчик, совместимый с водонепроницаемым чехлом, может быть полностью погружен в жидкость, когда используется водонепроницаемый чехол. Автоматическая очистка и дезинфекция доступна только для датчиков, которые совместимы с водонепроницаемым чехлом.

Обратитесь к инструкции по эксплуатации «Характеристики» относительно совместимости водонепроницаемого чехла. Разъем и часть кабеля за пределами диапазона водонепроницаемости не могут быть погружены в жидкость без водонепроницаемого чехла. Обратитесь к инструкции по эксплуатации «Характеристики» относительно диапазона водонепроницаемости.

#### 6. Хранение и транспортировка

Загрязненное оборудование рекомендуется поместить в защищенный от ударов и повреждений контейнер для транспортировки. Повторную обработку инструментов рекомендуется выполнять как можно быстрее, и не позднее, чем через 4 часа после использования.



## 7. Ручная очистка и дезинфекция

Перед ручной чисткой и дезинфекцией подготовьте следующие средства.

### А). Датчики (некритичные)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (с достаточным размером для погружения соответствующей детали датчика на всю длину).
- 4) Мягкая, неворсистая ткань или одноразовое полотенце
- 5) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

### В). Датчики (полукритичные C25P)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) Чистящие щетки, если используются, например, REF 09098 (Interlock) и REF 09326 (Interlock, для очистки всей поверхности датчика).
- 4) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (с достаточным размером для погружения соответствующей детали датчика на всю длину).
- 5) Шприц 50 мл
- 6) Мягкая, неворсистая ткань или одноразовое полотенце
- 7) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)

### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Моющее средство: «ЭНЗОЛ» (ENZOL®)/«Сайдезим» (Cidezyme®) («Джонсон & Джонсон» (Johnson & Johnson), № 2258) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- 2) Дезинфицирующее средство: «Сайдекс ОПА» (Cidex® OPA) («Джонсон & Джонсон» (Johnson & Johnson), № 20391) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии
- 3) 2 бака: 1 для очистки и 1 для дезинфекции, дополнительно: 1 дополнительный бак для споласкивания деионизированной/проточной водой (достаточного размера для погружения соответствующей детали аксессуара на всю длину).
- 4) Мягкая, неворсистая ткань или одноразовое полотенце
- 5) Средства индивидуальной защиты (перчатки, водоотталкивающий защитный фартук, маска для защиты лица или защитные очки, см. также инструкции производителя моющего и дезинфицирующего средства)



## 7-1. Ручная очистка

## А). Датчики (некритичные)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном датчике.
- 2) Погрузите соответствующую часть датчика без разъема в моющее средство.
- 3) Протрите погружаемую часть датчика под поверхностью моющего раствора одноразовой мягкой тканью без ворса, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы датчика. При необходимости используйте для этого соответствующую щетку.
- 4) Протрите непогружаемые детали датчика мягкой тканью, пропитанной моющим средством.
- 5) Промойте погруженную часть датчика проточной водопроводной водой в течение 1 минуты.
- 6) Альтернативно шагу 5 можно поместить погружаемую часть датчика в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 7) Визуально проверьте наружную поверхность датчика на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

## В). Датчики (полукритичные C25P)

- 1) Температура моющего раствора должна быть в пределах 15–30 °C (59–86 °F), концентрация – 1,6 %. Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном датчике.
- 2) Погрузите датчик в разбавленное моющее средство. С помощью шприца на 50 мл промойте полость датчика 5 раз, поверхность – с 50 мл разбавленного моющего средства. Почистите полость датчика 5 или более раз, используя подходящую щетку. Датчик чистится щеткой до визуально чистого.
- 3) Протрите погружную часть датчика под поверхностью раствора моющего средства одноразовой мягкой безворсовой тканью, чтобы удалить всю видимую грязь. Убедитесь, что все пазы датчика обработаны во время процесса очистки. При необходимости используйте для этого соответствующую щетку.
- 4) Протрите непогружаемые детали датчика мягкой тканью, пропитанной моющим средством.
- 5) Промойте погруженную часть датчика проточной водопроводной водой в течение 1 минуты.
- 6) Альтернативно на шаге 5 можно поместить изделия в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 7) Визуально проверьте полость и наружную поверхность адаптера для биопсии на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Температура моющего раствора должна быть в пределах 15–30 °С (59–86 °F), концентрация – 1,6 %.  
Обратите внимание на минимальное время воздействия моющего средства, указанное в инструкции производителя.  
При использовании другого моющего средства следует также учитывать совместимость материалов, используемых в данном медицинском приспособлении.
- 2) Погрузите аксессуар в моющее средство.
- 3) Не вынимая аксессуар из моющего раствора, протрите его одноразовой мягкой безворсовой тканью, чтобы удалить все видимые загрязнения. Убедитесь, что во время очистки обработаны все пазы аксессуара. При необходимости используйте для этого соответствующую щетку.
- 4) Ополосните аксессуар под струей проточной воды в течение 1 минуты.
- 5) Альтернативно на шаге 5 можно поместить аксессуар в емкость, заполненную деионизированной водой/водопроводной водой, на 5 минут.
- 6) Визуально проверьте наружную поверхность аксессуара на предмет чистоты. При необходимости используйте увеличительное стекло. Если на поверхности все еще присутствуют видимые загрязнения, повторите все вышеописанные действия.

## 7-2. Ручная дезинфекция

## А). Датчики (некритичные)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 2) Протрите непогружаемые детали датчика мягкой тканью без ворса дезинфицирующим средством.
- 3) Поместите погружаемую часть датчика в моющее средство. Для соблюдения рекомендуемого времени контакта установите таймер.
- 4) Промойте погружаемую часть датчика проточной деионизированной водой в течение 1 минуты.
- 5) Альтернативно шагу 4 можно поместить погружаемую часть датчика в емкость, заполненную деионизированной водой на 5 минут.
- 6) Визуально проверьте наружную поверхность датчика на предмет отсутствия остатков дезинфицирующего средства.

При необходимости повторите ополаскивание.

## В). Датчики (полукритичные C25P)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. При использовании другого дезинфицирующего средства следуйте инструкциям производителя. Следует также учитывать его совместимость с материалами, используемыми в медицинском изделии.
- 2) Протрите непогружаемые детали датчика мягкой тканью без ворса дезинфицирующим средством.
- 3) Поместите погружаемую часть датчика в моющее средство (см. иллюстрацию). Ополосните полость насадки для биопсии 50 мл дезинфицирующего раствора. Повторите этот шаг 4 раза. Установите таймер на 5 минут, чтобы соблюсти рекомендуемое время воздействия.
- 4) Промойте погружаемую часть датчика проточной деионизированной водой в течение 1 минуты.
- 5) Альтернативно на шаге 4 поместите изделия в емкость, заполненную деионизированной водой, на 5 минут.
- 6) Визуально проверьте полость насадки для биопсии и внешнюю поверхность датчика на наличие остатков дезинфицирующего средства. При необходимости повторите ополаскивание.

**Внимание**

Не протирайте спиртом область ультразвукового излучения.  
Спирт может повредить эту область.



С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Перед каждой обработкой оборудования рекомендуется проверять концентрацию дезинфицирующего раствора. Раствор Cidex® ОРА готов к использованию и не требует разбавления. Тестовые полоски для проверки соответствующей концентрации Cidex® ОРА предоставляются производителем. Тестовые полоски укажут концентрацию выше минимальной эффективной концентрации (МЕС). Температура дезинфицирующего раствора должна быть не менее 20 °С (68 °F). Минимальное время воздействия составляет 5 минут. Если используется другое дезинфицирующее средство, следуйте инструкциям производителя. Пожалуйста, обратите внимание на совместимость материалов с медицинским устройством.
- 2) Погрузите аксессуар в моющее средство. Для соблюдения рекомендуемого времени контакта установите таймер. 3) Ополаскивайте аксессуар под струей деионизированной воды в течение 1 минуты.
- 4) Альтернативно на шаге 4 поместите аксессуар в емкость, заполненную деионизированной водой, на 5 минут.
- 5) Визуально проверьте наружную поверхность аксессуара на предмет отсутствия остатков дезинфицирующего средства.

При необходимости повторите ополаскивание.



## Осторожно!



После завершения замачивания датчика в чистящем или дезинфицирующем средстве тщательно промойте его проточной водой (водопроводная вода после очистки, деионизированная вода после дезинфекции). Остатки чистящего агента могут вызвать неблагоприятную реакцию у оператора или пациента.

### 7-3. Кабель и разъём

Протрите кабель промежутками в 20 см марлей, смоченной в этиловом спирте или воде, и высушите его после протирки.

Прочистите разъем марлей, смоченной в этиловом спирте, и высушите его после очистки.

Очистите другие детали датчика, которые не следует погружать в жидкости, так же, как и разъем.

## Примечание

При одновременной протирке кабеля по всей его длине существует вероятность того, что часть кабеля может быть сморщена.

Если это произойдет, потяните сморщенную часть в противоположном направлении, чтобы разгладить ее.



## 8. Автоматическая очистка и дезинфекция

### А). Датчики (с водонепроницаемым чехлом)

Перед проведением автоматизированной очистки и дезинфекции необходимо подготовить следующие средства и оборудование:

- а) Моюще-дезинфицирующая машина: согласно стандарту ISO 15883 с программируемыми химическими и температурными параметрами (температура: макс. 60 °C [140 °F]).
- б) Водонепроницаемый чехол для разъема датчика WP-001
- в) Моющее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Боде Хеми» (Bode Chemie); № 972 020) или другое чистящее средство, совместимое с материалами, которые используются в данном медицинском изделии.
- г) Дезинфицирующее средство: «Корсолекс Эндо-Дезинфектант» (Korsolex Endo-Disinfectant) («Боде Хеми» (Bode Chemie); № 972 030) или другое дезинфицирующее средство, совместимое с материалами, которые используются в данном медицинском изделии

#### 1) Параметры очистки и дезинфекции изделия:

| Этап программы                | Вода (40 л)           | Дозировка (мл/л) | Температура (°C)/(°F) | Время (мин) |
|-------------------------------|-----------------------|------------------|-----------------------|-------------|
| Предварительное ополаскивание | Холодная вода         |                  |                       | 5           |
| Очистка                       | Деионизированная вода | 5 (0,5%)         | 50/122                | 10          |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Дезинфекция                   | Деионизированная вода | 10 (1%)          | 55/131                | 5           |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Ополаскивание                 | Деионизированная вода |                  | 55/131                | 1           |
| Сушка                         |                       |                  | 55/131                | 15          |

- 2) Наденьте водонепроницаемый чехол WP-001 на разъем датчика и используйте тестер, чтобы убедиться в отсутствии утечки воздуха. Обратитесь к руководству по эксплуатации водонепроницаемого чехла WP-001 для получения подробной информации.
- 3) Закройте дверцу моюще-дезинфицирующей машины и осуществите запуск программы.
- 4) После завершения процесса откройте дверцу.
- 5) Достаньте датчик из моюще-дезинфицирующей машины, убедитесь, что он высушен. Если нет, высушите его, следуя инструкции в разделе «Сушка».

### В). Датчики (полукритичные C25P)



**Осторожно!**



Датчик не переносит автоматическую очистку и дезинфекцию.

## С). Принадлежности (держатель магнитного датчика, стабилизатор)

Перед проведением автоматизированной очистки и дезинфекции необходимо подготовить следующие средства и оборудование:

- а) Моюще-дезинфицирующая машина: согласно стандарту ISO 15883 с программируемыми химическими и температурными параметрами (температура: макс. 60 °C [140 °F]).
- б) Моющее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); номер 972 020)
- в) Дезинфицирующее средство: «Корсолекс Эндо-Клинер» (Korsolex Endo-Cleaner) («Бодэ Хеми» (Bode Chemie); номер 972 030)

## 1) Параметры очистки и дезинфекции изделия:

| Этап программы                | Вода (40 л)           | Дозировка (мл/л) | Температура (°C)/(°F) | Время (мин) |
|-------------------------------|-----------------------|------------------|-----------------------|-------------|
| Предварительное ополаскивание | Холодная вода         |                  |                       | 5           |
| Очистка                       | Деионизированная вода | 5 (0,5%)         | 50/122                | 10          |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Дезинфекция                   | Деионизированная вода | 10 (1%)          | 55/131                | 5           |
| Ополаскивание                 | Деионизированная вода |                  |                       | 1           |
| Ополаскивание                 | Деионизированная вода |                  | 55/131                | 1           |
| Сушка                         |                       |                  | 55/131                | 15          |

- 2) Закрыв дверцу моюще-дезинфицирующей машины, осуществите запуск программы.
- 3) Откройте дверь машины по завершении программы.
- 4) Убедитесь, что аксессуар высушен. Если нет, выполните действия, описанные в пункте «Сушка».

## 9. Применяемые чистящие и дезинфицирующие средства/перечень поставщиков

Применяемые химические растворы перечислены ниже.

| Общее название                  | Торговое наименование                                 | Производитель                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ферментное чистящее средство    | ENZOL®/Cidezyme®<br>Концентрация раствора 0,8 об/об % | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®) Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |
| Алкилполиалкиленгликолевый эфир | «Корсолекс Эндо-Клинер» (Korsolex® Endo-Cleaner)      | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                   |

| Общее название                 | Торговое наименование                                       | Производитель                                                                                                                                                                         |
|--------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Глутарал                       | «САЙДЕКС®» (CIDEX®)<br>Раствор 2,4 %                        | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®) Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |
| Орто-фталальдегид              | Раствор CIDEX® ОРА 0,55%                                    |                                                                                                                                                                                       |
| Глутарал                       | «Сайдекс® плюс» (Cidex plus®)                               |                                                                                                                                                                                       |
| Глутарал                       | STERIHUDE® *Концентрация раствора 2 м/об %                  | «Маруиши Фармасыютикал Ко. Лтд.» (Maruishi Pharmaceutical Co., Ltd.)                                                                                                                  |
| Бензетония хлорид              | «Гиамин®» (Hyamine®)*<br>Концентрация раствора 0,1 м/об %   | «Даичи Санкио Ко. Лтд.» (DAIICHI SANKYO Co., Ltd.)                                                                                                                                    |
| Дидецилдиметиламмоний хлорид   | Дезинфицирующие салфетки Cleanisept® *, раствор 7,5%        | «Д-р Шумахер ГмбХ» (Dr.Schumacher GmbH)                                                                                                                                               |
| Перекись водорода              | ANIOXYDE 1000 *<br>Раствор 0,15 %                           | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                              |
| Диметил-диоктил-аммоний-хлорид | Gigasept® AF forte*<br>Раствор 2,0 %                        | «Шульке энд Майр» (Schulke & Mayr)                                                                                                                                                    |
| Глутарал                       | «Корсолекс экстра» (Korsolex extra)*                        | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                   |
| Глутарал                       | «Корсолекс® Эндо-Дезинфектант» (Korsolex Endo-Disinfectant) | «БОДЕ Хеми ГмбХ» (BODE Chemie GmbH)                                                                                                                                                   |

Примечание: \* указывает, что отмеченное дезинфицирующее средство не может применяться в Канаде.

## Высокоуровневая дезинфекция

| Общее название      | Торговое наименование                                 | Производитель                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода   | PERASAFE TM *<br>КОНЦЕНТРАЦИЯ РАСТВОРА<br>1,62 М/ОБ % | «АНТЕК ИНТЕРНЕШНЛ» (ANTEC INTERNATIONAL)                                                                                                                                                          |
| Перуксусная кислота | Acecide®*<br>Раствор 6 %                              | «Сарая Ко, Лтд» (Saraya Co., Ltd)                                                                                                                                                                 |
| Глутаральдегид      | WAVICIDE®-01 * Раствор<br>2,65%                       | «Медикал Кемикал Корпорейшн» (Medical Chemical Corp)                                                                                                                                              |
| Глутаральдегид      | РАСТВОР STERANIOS * 2,0%                              | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                          |
| Глутарал            | Раствор Cidex plus® 3,4%                              | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®»<br>(ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson & Johnson,<br>Division of Ethicon, Inc.) |

Примечание: \* указывает, что отмеченное дезинфицирующее средство не может применяться в Канаде.

### Осторожно!



После дезинфекции тщательно промойте датчик деионизированной водой.

Остаточные дезинфицирующие средства могут вызвать побочные реакции у оператора или пациента.



## 10. Сушка

### А). Датчики (некритичные)

- 1) Для удаления влаги с поверхности оборудования протрите датчик одноразовой салфеткой без ворса или полотенцем.
- 2) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

### В). Датчики (полукритичные C25P)

- 1) Для удаления влаги с поверхности оборудования протрите датчик одноразовой салфеткой без ворса или полотенцем.
- 2) Просушите полости пневматическим пистолетом со сжатым воздухом. Сжатый воздух должен быть отфильтрован стерильным фильтром, который удаляет частицы воздуха размером менее 0,2 мкм. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 4) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

### С). Принадлежности (держатель магнитного датчика, стабилизатор)

- 1) Для удаления влаги с поверхности оборудования протрите аксессуар одноразовой салфеткой без ворса или полотенцем.
- 2) При использовании сушильного шкафа для медицинского оборудования температурный максимум составляет 60 °C [140 °F]. Сушить до тех пор, пока не останется видимых следов влаги.
- 3) При использовании естественной сушки диапазон температур должен находиться в пределах 15–30 °C [59–86 °F] в течение минимум 4 часов.

## 11. Техническое обслуживание, проверка и испытания

Проверьте следующие пункты

- 1) Функционирование механических подвижных частей.
- 2) Качество изображения при подключении датчика к сканеру.
- 3) Отсутствие ненормальных внешних повреждений, таких как трещины на поверхности оборудования.
- 4) Тесты безопасности (см. руководство по безопасности 4-1)

## 12. Упаковка

Храните дезинфицированный датчик в пылезащищенном помещении до следующего применения. Перед стерилизацией необходимо упаковать все детали в специальный пакет, пригодный для стерилизации, или в лоток с обертыванием согласно ISO 11607-1 и ISO 11607-2 «Упаковка для терминально стерилизованных медицинских приборов» и ISO/TS 16775 «Упаковка для терминально стерилизованных медицинских приборов – Руководство по применению ISO 11607-1 и ISO 11607-2» или по местной больничной процедуре. При упаковке и герметизации пакетов следуйте инструкциям производителя пакетов или местным правилам.

Проверьте герметизирующий шов после тепловой сварки на наличие дефектов. В случае ошибок или дефектов в процессе упаковку необходимо вскрыть заново, а устройство упаковать и запечатать заново.

### 13. Стерилизация

См. таблицу 1 «Применяемые методы очистки, дезинфекции и стерилизации» для существующих методов стерилизации. Следуйте инструкциям производителя стерилизатора относительно использования, температуры и времени стерилизации и т.д. Обработка и максимальная подача в камеру стерилизатора должны производиться в соответствии с инструкцией по эксплуатации стерилизатора.

#### 13-1. Газовая стерилизация окисью этилена (EtO)

Ниже приведены стерильные условия применяемых методов стерилизации.

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

##### 13-1-1. Стерилизация

| Выполняйте стерилизацию в следующих условиях: |                   |
|-----------------------------------------------|-------------------|
| Типа газа:                                    | 10 % ЭО/90 % ГХФУ |
| Температура:                                  | 50–60 °C          |
|                                               | 122–140 °F        |
| Время воздействия:                            | Более 120 минут   |
| Давление:                                     | 162–200 кПа       |
| Понижение давления:                           | 13–8 кПа          |
| Относительная влажность:                      | 40–90%            |

##### 13-1-2. Воздухоочиститель

| Выполните аэрацию в следующих условиях: |          |
|-----------------------------------------|----------|
| Температура:                            | 53 °C    |
|                                         | 127,4 °F |
| Минимальное время аэрации               | 12 ч     |

### Осторожно!



Не используйте водонепроницаемый чехол во время процесса стерилизации.



Проведите полную аэрацию после газовой стерилизации.  
Остаточный газ может вызвать побочные реакции у оператора или пациента.

## 13-2. Стерилизация системой СТЕРРАД®

Ниже приведены стерильные условия применяемых методов стерилизации.

Ниже приведен список применяемых газов.

| Общее название              | Торговое наименование                                             | Производитель                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода<br>(58 %) | СТЕРРАД®<br>Система стерилизации<br>(СТЕРРАД® 100S, NX или 100NX) | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®»<br>(ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон»,<br>подразделение «Этикон, Инк.» (Johnson & Johnson,<br>Division of Ethicon, Inc.) |

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

Примечание.

Возможно некоторое обесцвечивание датчика, но это не влияет на его производительность или безопасность.



**Осторожно!**



Не используйте водонепроницаемый чехол во время процесса стерилизации.



Не используйте другие системы стерилизации при стерилизации датчика SML44.

Это может привести к повреждению датчика и ухудшению производительности. используйте систему СТЕРРАД® 100S.



**Внимание**



Не стерилизуйте датчик с помощью системы STERRAD, если датчик не совместим со стандартом STERRAD. Совместимость со стандартом STERRAD отображается на этикетке STERRAD, размещенной на разъеме.

Выполняйте стерилизацию STERRAD только для датчиков, совместимых со стандартом STERRAD, в противном случае это может привести к повреждению или повреждению датчика.



\*Этикетка STERRAD



Не помещайте датчик непосредственно в стерилизационный пакет.\*

В противном случае пакет прилипает к кабелю и повреждает его. Полностью заверните весь датчик (включая головку датчика, кабель и разъем) стерилизационной пленкой\*, прежде чем положить его в стерилизационный пакет.\*

\*: продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.)



## 13-3. Жидкостная стерилизация (только в США)

- Применяемый химический раствор для стерилизации

Ниже перечислены применяемые химические растворы.

| Общее название      | Торговое наименование                           | Производитель                                                                                                                                                                            |
|---------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Перекись водорода   | PERASAFE®*<br>Концентрация раствора 1,62 м/об % | «АНТЕК ИНТЕРНЕШНЛ» (ANTEC INTERNATIONAL)                                                                                                                                                 |
| Перуксусная кислота | Acicide®*<br>Раствор 6 %                        | «Сарая Ко, Лтд» (Saraya Co., Ltd)                                                                                                                                                        |
| Глутаральдегид      | WAVICIDE®-01*<br>Раствор 2,65 %                 | «Медикал Кемикал Корпорейшн» (Medical Chemical Corp)                                                                                                                                     |
| Глутаральдегид      | STERANIOS*<br>Раствор 2,0 %                     | «Лабораторис АНИОС» (Laboratories ANIOS)                                                                                                                                                 |
| Глутарал            | «Сайдекс® плюс» (Cidex plus®)<br>Раствор 3,4 %  | «ЭДВАНСД СТЕРИЛИЗЕЙШН ПРОДАКТС®» (ADVANCED STERILIZATION PRODUCTS®)<br>Продукт компании «Джонсон & Джонсон», подразделение «Этикон, Инк.» (Johnson & Johnson, Division of Ethicon, Inc.) |

Примечание: \* указывает, что отмеченный стерилизатор не может применяться в Канаде.

### Осторожно!



После химической стерилизации тщательно промойте датчик стерильной водой.  
Остаточный стерилизатор может вызвать побочные реакции у оператора или пациента.

## 13-4. Стерилизация системой СТЕРИС®

Список применяемых продуктов ниже.

| Общее название      | Торговое наименование | Производитель |
|---------------------|-----------------------|---------------|
| Перуксусная кислота | Система СТЕРИС 1Е®    | СТЕРИС®       |

Относительно работы стерилизатора обратитесь к документации, поставляемой вместе со стерилизатором.

### Внимание



Обязательно используйте водонепроницаемый чехол (WP-001).  
Без водонепроницаемого чехла разъем нельзя погружать в жидкость.



## 14. Хранение

Храните оборудование в прохладном, темном, сухом и защищенном от пыли месте, избегая воздействия высокой температуры, влажности и попадания прямых солнечных лучей.

Ограничения по времени хранения стерилизованного оборудования зависят от типа упаковки.

■ Производитель



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EC

REP

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EC

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Дистрибьютор

# FUJIFILM

## Датчик

# Руководство по эксплуатации Безопасность

### Примечания для операторов и ответственного обслуживающего персонала

- ★ Пожалуйста, внимательно прочитайте данное руководство по эксплуатации перед использованием.
- ★ Храните это руководство по эксплуатации рядом с УЗИ аппаратом для дальнейшего использования.

**«ФУДЖИФИЛЬМ Хелскеа Корпорэйшн»  
(FUJIFILM Healthcare Corporation)**

MN1-5980 Ред. 14

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Q1E-EP1482-14

**CE0197**

## Список совместимых ультразвуковых датчиков

| Модель |
|--------|
| S12    |
| S211   |
| S42    |
| S22    |
| S121   |
| MXS1   |
| SML44  |
| S11    |



## Введение

Это руководство по технике безопасности для нашего ультразвукового датчика (см. «Список применимых датчиков» на стр. ii). Внимательно прочитайте это руководство перед использованием и сохраните его для дальнейшего использования.

На датчике находится маркировка «СЕ», которая действительна только при использовании датчика с УЗИ аппаратом с маркировкой «СЕ».

## Символы, используемые в данном руководстве

Информация по безопасности подразделяется на «Опасность» («Опасно!»), «Предупреждение» («Осторожно!»), «Предостережение» («Внимание!») и «Примечание» («Примечание») в зависимости от степени опасности. Эти термины используются в информации по безопасности, чтобы предотвратить риски и травмы оператора и пациента.

|                                                                                     |                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Опасно!</b>    | Указывает на неизбежно опасную ситуацию, которая, если ее не избежать, приведет к смерти или серьезным травмам оператора или пациента.                                                 |
|    | <b>Осторожно!</b> | Указывает на потенциально опасную ситуацию, которая, если ее не избежать, может привести к смерти или серьезным травмам оператора или пациента.                                        |
|    | <b>Внимание</b>   | Обозначает потенциально опасную ситуацию, которая, если ее не избежать, может привести к травмам оператора или пациента легкой или средней тяжести или только к повреждению имущества. |
|                                                                                     | <b>Примечание</b> | Указывает на настоятельную просьбу следить за оборудованием, чтобы предотвратить его повреждение или порчу, а также для обеспечения его эффективного использования.                    |
|  |                   | Этот символ означает, что описываемое действие запрещено.                                                                                                                              |
|  |                   | Этот символ означает, что описываемое действие является обязательным.                                                                                                                  |

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Данное руководство по эксплуатации содержит 4 страницы вступительной части и 16 страниц основного содержания.

## 1. Меры предосторожности

Внимательно прочитайте эту главу перед началом работы для правильного обращения с датчиком.

### 1-1. Меры предосторожности

В этом разделе описаны предупреждения, предостережения, принцип работы и маркировки для безопасного использования датчика.

#### 1-1-1. Предупреждения и предостережения

При работе с датчиком необходимо учитывать следующие предупреждения и предостережения.



### Осторожно!



Используйте датчик и сопутствующие изделия, следуя инструкциям в прилагаемой документации: руководстве, прилагаемым к любому оборудованию, используемому вместе с датчиком. Любое использование, отличное от указанного в прилагаемой документации, может привести к серьезным или умеренным травмам, поломке оборудования или физическому повреждению, которое может ухудшить работу.



Подготовьтесь к использованию

Оператор и пациент могут получить травму, если оборудование неисправно. Обратитесь к отдельному руководству по эксплуатации «Характеристики» для подготовки перед использованием.

Если в оборудовании обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке.



Этот датчик не должен находиться в прямом контакте с сердцем.

Это может привести к поражению пациента электрическим током.



Не применяйте данный датчик на глазах.

Этот датчик не предназначен для использования на глазах. Ультразвуковое излучение может оказать вредное воздействие на глаза.



Не пытайтесь разобрать, модифицировать или ремонтировать датчик.

Возможны поражение электрическим током или другие непредвиденные ситуации. Обратитесь в нашу компанию по контактам, указанным на задней обложке, чтобы запросить ремонт.



Очистите, продезинфицируйте и простерилизуйте датчик перед использованием в соответствии с требованиями.

Выполните процедуру обработки сразу после использования, иначе существует риск инфицирования.

Обратите внимание, что датчик не подвергается стерилизации на заводе-изготовителе. Очистите, продезинфицируйте и простерилизуйте его перед первым использованием.



Во время осмотра наденьте медицинские перчатки.

Проведение осмотра голыми руками может подвергнуть оператора риску заражения.



Утилизируйте датчики, используемые для пациентов с болезнью Крейцфельда—Якоба.

В противном случае существует риск заражения оператора или пациента. Наш ультразвуковой датчик несовместим с каким-либо методом дезинфекции/стерилизации, используемым при болезни Крейцфельда—Якоба.



Обратитесь к прилагаемой документации ультразвукового контрастного вещества для его использования. Непредвиденные несчастные случаи могут возникнуть из-за неправильного использования агента. Учитывайте состояние пациента и побочные эффекты.



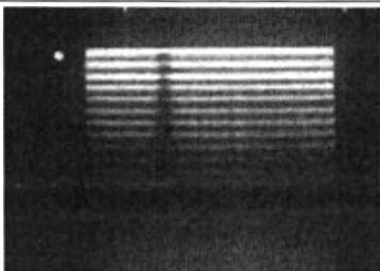
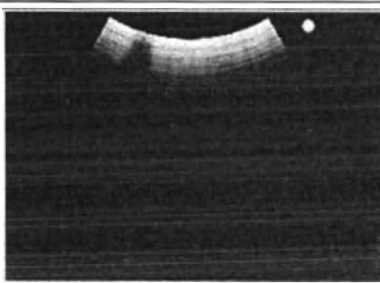
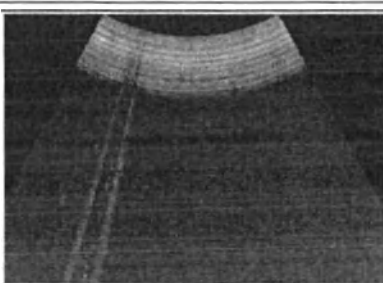
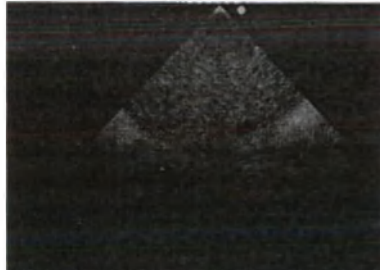
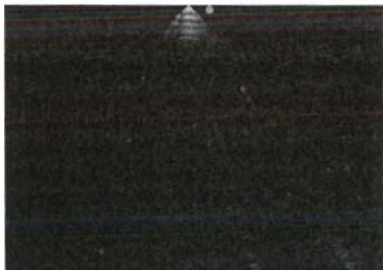
Не используйте датчик, если он упал на пол, в противном случае существует риск заражения.

Прекратите его использование и выполните процедуру переработки, описанную в отдельном руководстве по эксплуатации «Очистка, дезинфекция и стерилизация», и подготовьте его к использованию, как описано в отдельном руководстве по эксплуатации «Характеристики».



## ⚠ Внимание

- ❗ Постоянно следите за нормальным состоянием пациента и датчика.  
Неисправность оборудования может привести к травме оператора или пациента. Если обнаружена какая-либо неисправность, немедленно прекратите его использование.
- ⊘ Не используйте датчик с другим оборудованием за исключением того, которое указано в отдельном руководстве по эксплуатации «Характеристики».  
Использование с неодобренным оборудованием может привести к поражению электрическим током, ожогу или другим травмам пациента или оператора. Также приводит к повреждению датчика и другого оборудования.
- ❗ Сканируйте в течение минимально необходимого времени на минимально возможной частоте излучения.  
Акустическая мощность может повлиять на внутренние ткани пациента.  
За подробностями об акустической мощности, пожалуйста, обратитесь к документации, приложенной к УЗИ аппарату.
- ❗ Регулярно выполняйте тесты безопасности и тест производительности датчика.  
Следует регулярно производить тестирование датчика на изменение производительности.  
Если в ходе тестирования обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке
- ❗ Не работайте с датчиком в условиях, отличных от указанных в данном руководстве, в противном случае он может быть поврежден.  
См. раздел 1-3 «Условия эксплуатации», раздел 2-2 «Условия хранения» и раздел 3-3 «Условия окружающей среды при транспортировке».
- ⊘ Не подвергайте источник ультразвукового излучения сильному воздействию.  
Воздействие может привести к повреждению преобразователя, что приведет к появлению шумов или отсутствию эха на изображении.  
В большинстве случаев источник ультразвукового излучения не повреждается, так как он сделан из эластичного материала.

| Вид сканирования       | Нет эха (пример)                                                                    | Шум (пример)                                                                          |
|------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Линейное сканирование  |  |                                                                                       |
| Выпуклое сканирование  |  |  |
| Секторное сканирование |  |  |



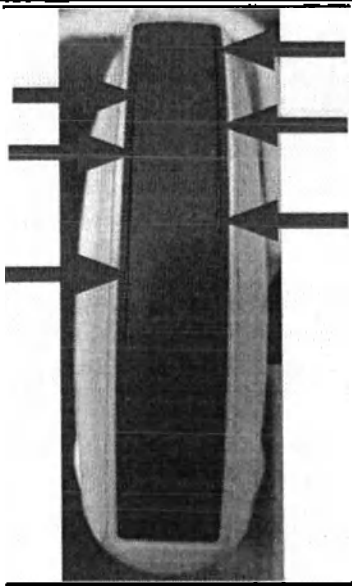
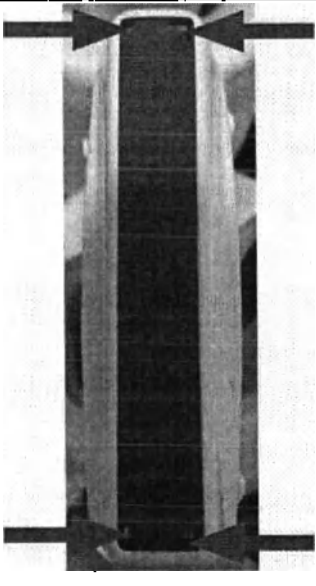
## Примечание

Не используйте грубую ткань или другой абразивный материал для протирания источника ультразвукового излучения для удаления проводящего геля или во время очистки, дезинфекции или стерилизации датчика.

Источник ультразвукового излучения покрыт тонким резиновым материалом, который можно легко повредить и сделать источник ультразвукового излучения непригодным для использования, если его протереть абразивным материалом.

Во время обследования используйте большое количество проводящего геля.

Увеличение трения в результате использования недостаточного количества проводящего геля может вызывать дискомфорт у пациента и чрезмерный износ источника ультразвукового излучения.

| Износ источника ультразвукового излучения<br>(пример 1)                            | Износ источника ультразвукового излучения (пример<br>2)                             |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |

## 1-1-2. Меры предосторожности при очистке, дезинфекции и стерилизации

При очистке, дезинфекции и стерилизации датчика и дополнительных приспособлений необходимо обратить внимание на следующие предупреждения и предостережения.

**Осторожно!**

Во время чистки, дезинфекции и стерилизации надевайте перчатки и другие средства защиты. Обращение с датчиком голыми руками перед дезинфекцией или стерилизацией может привести к инфекции.



После замачивания датчика в чистящем средстве тщательно промойте датчик проточной водой. Остаточные реагенты могут вызвать побочные реакции у оператора или пациента.



После химической очистки, дезинфекции и стерилизации тщательно промойте датчик стерильной водой. Остаточные реагенты могут вызвать побочные реакции у оператора или пациента.



Проведите полную аэрацию после газовой дезинфекции и стерилизации. Остаточный газ может вызвать побочные реакции у оператора или пациента.



Не очищайте, не дезинфицируйте и не стерилизуйте с помощью процедур, не указанных в данном руководстве.

Несоблюдение мер по очистке, дезинфекции и стерилизации оборудования может привести к заражению. Кроме того, это может привести к повреждению датчика или снижению его производительности. Датчик не переносит стерилизации в автоклаве или кипячения, а также другие виды стерилизации при температурах, превышающих 60 °C (140 °F).



Подробнее об условиях использования химикатов и процедурах стерилизации см. в документации, поставляемой вместе с соответствующим химикатом или стерилизационным оборудованием. Дезинфекция или стерилизация, выполненные ненадлежащим образом, могут привести к заражению. Неправильная процедура дезинфекции и стерилизации может привести к повреждению датчика.

**Внимание**

Не погружайте датчик в жидкости, выходя за пределы диапазона IPX7. Диапазон водонепроницаемости указан в отдельном руководстве по эксплуатации «Характеристики».

Если какая-либо жидкость попадет в разъем, немедленно прекратите использование датчика, иначе это может привести к поражению электрическим током оператора или пациента.

Обратитесь в один из наших офисов и (или) офисы дистрибьюторов, контакты которых перечислены на задней обложке.



Не протирайте спиртом область ультразвукового излучения.

Спирт может повредить эту область. Если необходимо протереть спиртом, протрите как можно легче.



Не используйте органический растворитель для очистки, чтобы предотвратить повреждение.



Не используйте твердые или острые предметы для удаления загрязнений с поверхности датчика. Такие предметы могут повредить датчик.

## 1-1-3. Принцип действия

Данный датчик и аппарат УЗИ позволяют проводить диагностику с помощью ультразвуковых волн. Принципы работы данного оборудования описаны ниже.

- 1) После передачи электрического импульсного сигнала из передатчика в преобразователь датчика последний преобразует электрические сигналы в энергию механических вибраций для излучения импульсообразных ультразвуковых волн в часть тела, жидкость или другую среду, которые соприкасаются с преобразователем.
- 2) Излучаемые ультразвуковые волны отражаются от границ с различными акустическими характеристиками (акустическим сопротивлением) тканей тела.
- 3) Преобразователь также используется для приема отраженных ультразвуковых волн. Принимаемые ультразвуковые волны вызывают в преобразователе механические вибрации, которые он преобразует в электрическую энергию. Затем электрические сигналы с помощью модуляции яркости преобразуются в различные по степени яркости оттенки для получения изображения.

## 1-1-4. Маркировка

Значения каждой маркировки на датчике и чехле для хранения приведены ниже.

## (1) Маркировка на датчике

На датчике имеются маркировки «Частота», «Безопасность», «Производитель».

- Частота

На маркировке указаны диапазон частоты и тип сканирования. Цифры на маркировке обозначают диапазон частоты и тип сканирования, см. таблицу 1.

Таблица 1. Маркировка частоты

| Вид сканирования | Секторное сканирование                                                              | Радиальное сканирование                                                             | Выпуклое сканирование                                                                 | Линейное сканирование                                                                 |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Маркировка       |  |  |  |  |

Маркировка безопасности

Значение каждого символа на маркировке безопасности (рисунок 1) описано в таблице 2.



Рисунок 1. Маркировка безопасности

Таблица 2. Отметка и значение символов на маркировке безопасности

| Отметка                                                                             | Значение                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CE 0197</b>                                                                      | Это устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS).                                                    |
| <b>IPX7</b>                                                                         | Отметка диапазона IPX7<br>См. отдельное руководство по эксплуатации «Характеристики».                                                                                                                              |
|   | Рабочая часть типа BF                                                                                                                                                                                              |
|  | Не утилизируйте устройство как обычный мусор.<br>Соблюдайте правила местного законодательства.<br>См. раздел 5.                                                                                                    |
|  | Знак совместимости с системами стерилизации STERRAD                                                                                                                                                                |
|  | Предупреждающий знак                                                                                                                                                                                               |
|  | Биологическая опасность<br>Обратитесь к отдельному руководству «Очистка, дезинфекция и стерилизация».                                                                                                              |
|  | При работе с данным устройством следуйте инструкциям, приведенным в руководстве по эксплуатации.<br>Неправильная эксплуатация может повлечь за собой травмы, повреждение имущества или неисправность оборудования. |
|  | Предупреждающий знак об электрической опасности<br>Использование поврежденного датчика может привести к поражению электрическим током.                                                                             |
| <b>MD</b>                                                                           | Медицинское изделие                                                                                                                                                                                                |



- Маркировка производителя
- Маркировка производителя (рисунок 2) содержит следующую информацию:
- Производитель
  - Модель, серийный номер
  - Только по рецепту: только по назначению врача. Федеральный закон США предусматривает продажу этого устройства только по назначению врача.
  - UDI, УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА

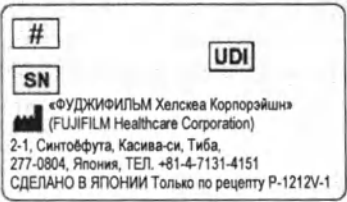


Рисунок 2. Маркировка производителя

- (2) Маркировка на чехле для хранения
- «Маркировка CE» расположена на чехле для хранения.



Рисунок 3. Маркировка CE

| Отметка | Значение                                                                                                                                                                                                                                                             | Отметка | Значение                                                                                                                                 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------|
|         | Это устройство соответствует требованиям Директивы 93/42/ЕЕС о медицинских изделиях и Директивы 2011/65/EU по ограничению использования опасных веществ (RoHS).                                                                                                      |         | Импортер для Европейской экономической зоны (ЕЕА) представляется в соответствии с директивами Европейского союза 93/42/ЕЕС и 2011/65/EU. |
|         | ДАТА ПРОИЗВОДСТВА<br>Номер под знаком обозначает год и месяц производства. (в данном случае 2021-04)<br><br>СТРАНА ПРОИЗВОДСТВА<br>В маркировке указан код страны-производителя, определенный Международной организацией по стандартизации (в данном случае ЯПОНИЯ). |         | НОМЕР МОДЕЛИ                                                                                                                             |
|         | ПРОИЗВОДИТЕЛЬ                                                                                                                                                                                                                                                        |         | СЕРИЙНЫЙ НОМЕР                                                                                                                           |
|         | УПОЛНОМОЧЕННЫЙ ПРЕДСТАВИТЕЛЬ В ЕВРОПЕЙСКОМ СООБЩЕСТВЕ                                                                                                                                                                                                                |         | УНИКАЛЬНЫЙ ИДЕНТИФИКАТОР УСТРОЙСТВА                                                                                                      |

## 1-2. Процедура безопасности

Если в датчике обнаружены какие-либо отклонения, выполните следующие процедуры.

### 1-2-1. Обеспечение безопасности пациентов

Немедленно прекратите использование датчика и уберите его подальше от пациента.

Обеспечьте безопасность пациента и необходимое медицинское вмешательство.

### 1-2-2. Обслуживание аппарата УЗИ

Выключите аппарат УЗИ, отключите от сети и простерилизуйте, если он загрязнен. Подробности см. в руководстве по эксплуатации УЗИ аппарата.



## Внимание



Не используйте датчик, если выявлена неисправность.

Использование датчика в неисправном состоянии может привести к травме пациента. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

## 1-3. Условия эксплуатации

Условия эксплуатации и хранения оборудования:

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Температура окружающей среды    | от 10 до 40 °C<br>от 50 до 104 °F |
| Относительная влажность воздуха | от 30 до 75%                      |
| Атмосферное давление            | от 700 до 1060 гПа                |
| Высота                          | 3000 м и ниже                     |



## Внимание



Избегайте быстрого изменения температуры, которое может привести к образованию конденсата.

Не используйте датчик в местах, где могут образоваться конденсат или капли воды.

При перемещении датчика из холодного места в теплое может образоваться конденсат.

Использование в таких условиях может привести к неисправности или снижению производительности датчика.

## 2. Хранение

Процедура подготовки к хранению и условия хранения описаны ниже.

### 2-1. Процедура подготовки к хранению

В случае, если датчик не будет использоваться в течение длительного периода времени, выполните процедуры, описанные в отдельном руководстве «Очистка, дезинфекция и стерилизация», а затем храните его в чехле для хранения.



#### Внимание



Храните кабель без надломанных сгибов в чехле для хранения, иначе это может привести к отсоединению кабеля.

---

### 2-2. Условия хранения

|                                 |                                    |
|---------------------------------|------------------------------------|
| Температура окружающей среды    | от -10 до 50 °C<br>от 14 до 122 °F |
| Относительная влажность воздуха | от 10 % до 90 %                    |
| Атмосферное давление            | от 700 до 1060 гПа                 |

### 3. Перемещение и транспортировка

В этом разделе под перемещением понимается перенос датчика в пределах учреждения, а под транспортировкой – перемещение на транспортном средстве или отправка оборудования на ремонт.

#### 3-1. Подготовка датчика и принадлежностей к перемещению

Храните оборудование в чехле для хранения после выполнения процедуры переработки, описанной в отдельном руководстве «Очистка, дезинфекция и стерилизация».

#### 3-2. Транспортная упаковка

После выполнения процедуры, описанной в отдельном руководстве «Очистка, дезинфекция и стерилизация», используйте чехол для хранения, а затем поместите этот чехол в картонную коробку для дополнительной защиты.

#### 3-3. Условия окружающей среды при транспортировке

|                                 |                                    |
|---------------------------------|------------------------------------|
| Температура окружающей среды    | от -10 до 50 °C<br>от 14 до 122 °F |
| Относительная влажность воздуха | от 10 % до 90 %                    |
| Атмосферное давление            | от 700 до 1060 гПа                 |

### Примечание

Датчик является точным оборудованием и уязвим к физическим воздействиям. Обеспечьте его защиту, упакуйте надлежащим образом для транспортировки.

Обратитесь в нашу компанию по контактам, указанным на задней обложке, при транспортировке датчика.





## 4. Периодическая проверка

Пожалуйста, проведите следующие испытания на безопасность и тесты производительности для безопасного использования.

### 4-1. Испытания на безопасность

Испытания на безопасность должны проводиться не реже одного раза в год квалифицированным специалистом. Протоколы испытаний должны храниться для дальнейшего использования.

#### Примечание 1

*Квалифицированный специалист:* сотрудник, проводящий испытания на безопасность медицинского электрооборудования.

При необходимости привлечения соответствующего квалифицированного специалиста сервисный персонал, обученный нами, может провести испытания за счет заказчика. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

#### Примечание 2

Сделайте копию технического паспорта проверки безопасности, приведенного в руководстве по эксплуатации УЗИ аппарата. Используйте эту копию для регистрации результатов испытаний.

Процедура периодических испытаний на безопасность и вынесения решений

#### (1) Проверка тока утечки от области, контактирующей с пациентом к земле

Проводите испытания в соответствии с IEC 60601-1:2005 8.7.4. а) На рисунке 15 показана измерительная схема для испытания.

Замочите рабочую часть датчика и часть, рассматриваемую как рабочая, в физиологическом растворе, и измерьте ток утечки от области, контактирующей с пациентом, к земле. Рабочая часть датчика и часть, рассматриваемая как рабочая, указаны в отдельном руководстве «Характеристики».

#### (2) Испытание тока утечки на пациента, вызванного внешним напряжением на прикладываемой детали типа F к телу пациента. Проведите испытание в соответствии с 60601-1 8.7.4.7 b) На рисунке 16 показана измерительная схема для испытания. Замочите рабочую часть датчика и часть, рассматриваемую как рабочая, в физиологическом растворе 0,9% и измерьте ток утечки на пациента, вызванный внешним напряжением при подключении к пациенту части F-типа. Рабочая часть датчика и часть, рассматриваемая как рабочая, указаны в отдельном руководстве «Характеристики».

Таблица 3. Стандартные значения для периодических испытаний безопасности (выдержка из IEC 60601-1)

| Пункт                                                                                                     | Нормальное состояние | Условие единичного нарушения |
|-----------------------------------------------------------------------------------------------------------|----------------------|------------------------------|
| (1) Ток утечки от области, контактирующей с пациентом, к земле                                            |                      |                              |
| Постоянный ток                                                                                            | 10 мкА или менее     | 50 мкА или менее             |
| Переменный ток                                                                                            | 100 мкА или менее    | 500 мкА или менее            |
| (2) Ток утечки на пациента, вызванный внешним напряжением при подключении к пациенту рабочей части F-типа |                      | 5000 мкА или менее           |

**Осторожно!**

Проводите испытания на безопасность не реже одного раза в год и регистрируйте полученные результаты. Незамеченное ненормальное состояние во время использования датчика может привести к травме оператора или пациента. Если в процессе тестирования датчика обнаружены какие-либо неисправности, прекратите его использование и обратитесь в нашу компанию по контактам, указанным на задней обложке.

**4-2. Тест производительности**

Выполняйте измерения, указанные ниже, с использованием ультразвукового фантома\* не реже одного раза в год. Протоколы испытаний должны храниться для дальнейшего использования.

- Чувствительность
- Разрешение

**Примечание 1**

Сделайте копию технического паспорта проверки точности измерений, приведенного в руководстве по эксплуатации УЗИ аппарата. Используйте эту копию для регистрации результатов испытаний.

**Примечание 2.**

Ультразвуковой фантом состоит из вещества, похожего на ткани человеческого тела по своему отклику на ультразвуковые волны.

Области с различными текстурами и мишенями, расположенными с заданными интервалами, встроены в фантом. Некоторые двойники содержат механизм для измерения в доплеровском режиме. Фантом используется для проверки работы датчика и аппарата УЗИ, а также для настройки параметров изображения.

**4-2-1. Проведение тестов**

У некоторых типов ультразвуковых фантомов есть мишени с узкими промежутками между ними для настройки разрешения.

Это позволяет проверить уровень детализации изображений, которые можно просматривать на мониторе. У фантомов без мишеней разрешение определяется равномерностью отображаемых текстур. Чувствительность может быть определена путем изучения яркости ультразвуковых изображений. Другие факторы, влияющие на разрешение, включают тип подключенного датчика, усиление, фокус и записывающий инструмент. Конкретные условия тестирования должны быть подробно записаны, чтобы обеспечить сравнение при следующей проверке.

**4-2-2. Оценка результатов**

Сравните полученное значение со значением, записанным в последнем тесте. Если между этими двумя значениями есть существенная разница, текущее значение считается ненормальным.

Важно отметить, что разрешение варьируется в зависимости от типа ультразвукового фантома, и фантомы, как правило, со временем ухудшаются.

**Внимание**

Не используйте датчик или аппарат УЗИ, если обнаружены какие-либо неисправности.

Иначе может быть поставлен неправильный диагноз. Обратитесь в нашу компанию по контактам, указанным на задней обложке.

## 5. Утилизация устройства

Переработку или утилизацию оборудования следует осуществлять надлежащим образом в соответствии с внутренними правилами компании и требованиями местного законодательства.

---

### Внимание

---



Прежде чем утилизировать оборудование, продезинфицируйте его или примите другие меры по профилактике инфекции.

Утилизация оборудования без соблюдения надлежащих профилактических мер может привести к заражению.

---

### **Директива об утилизации отработанного электрического и электронного оборудования (WEEE)**

В соответствии с Директивой ЕС по утилизации электрического и электронного оборудования (WEEE) графический знак, изображенный справа, требуется размещать на любом электрическом и электронном оборудовании.

Для надлежащей утилизации данного изделия в стране ЕС обратитесь в наш офис или агентство в ЕС и соблюдайте соответствующие местные и национальные нормы и законы.





■ Производитель

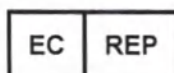


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■ Контактные данные

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<https://www.fujifilm.com/fhc/en>



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ЕС

Подразделение «ФУДЖИФИЛЬМ Хелскеа Логистикс энд Сервисез  
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Zweigniederlassung)

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«ФУДЖИФИЛЬМ Хелскеа Америкас Корпорэйшн»

(FUJIFILM Healthcare Americas Corporation)

1959 Саммит Коммерс Парк, г. Твинсберг, Огайо 44087, США

(1959 Summit Commerce Park, Twinsburg, OH 44087 USA)

Дистрибьютор

Registered No. 304

## NOTARIAL CERTIFICATE

This is to certify that FUKUDA Hirokazu signed the attached document in my presence on this 24th day of July, 2023.



A handwritten signature in black ink, appearing to read "Abe Hiromi". The signature is written over a horizontal line.

**ABE Hiromi**

Зарегистрированно №304

Нотариальное свидетельство

Настоящим удостоверяю, что ФУКУДА Хиродзаку подписал прилагаемый документ в моем присутствии 24 июля 2023 г.

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/Подпись/



Перевод данного текста выполнен переводчиком Юдиным Юрием Константиновичем.

Российская Федерация

Город Москва.

Двадцать пятого декабря две тысячи двадцать третьего года.

Я, Рак Евгения Сергеевна, временно исполняющая обязанности нотариуса города Москвы Прокошенковой Елены Евгеньевны, свидетельствую подлинность подписи переводчика Юдина Юрия Константиновича.

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Е.С. Рак

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Е.С. Р



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Город Москва.

Двадцать пятого декабря две тысячи двадцать третьего года.

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Е.С.



24 июль 2023 г.

### ДЕКЛАРАЦИЯ/ DECLARATION

Я, Хироказу Фукуда, настоящим заявляю, что целью прилагаемого документа является регистрация продукта.

I, Hirokazu Fukuda hereby declare that the purpose of attached document is product registration.

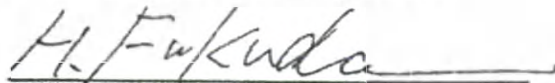
私、福田浩和は、添付の書類の目的が製品登録であることをここに宣言します。

FUJIFILM Healthcare Corporation.

*H. Fukuda*

Хироказу Фукуда / Hirokazu Fukuda

FUJIFILM Healthcare Corporation



Hirokazu Fukuda

Dates this 23th of July 2023.

**ЭКСПЛУАТАЦИОННАЯ ДОКУМЕНТАЦИЯ  
НА МЕДИЦИНСКОЕ ИЗДЕЛИЕ**

**Система ультразвуковая диагностическая варианты исполнения:  
ARIETTA 50, ARIETTA S60, с принадлежностями**

**(Руководство по эксплуатации/руководство по применению)**

**OPERETIONAL DOCUMENTATION (SUPPLEMENT)  
FOR MEDICAL DEVICE**

**(Operation manual/Application manual)**

**Ultrasound diagnostic system versions: ARIETTA 50, ARIETTA S60, with accessories**

**Разработчик:**

*FUJIFILM Healthcare Corporation  
(ФУДЖИФИЛЬМ Хелскеа Корпорэйшн)*

**(Developer)**

*(Япония), 2-1 Shintoyofuta, Kashinwa-shi, Chiba, 277-0804,  
Japan*

**Место производства  
медицинского изделия**

*FUJIFILM Healthcare Corporation,*

**(Place of manufacture of  
a medical device)**

*2-1 Shintoyofuta, Kashinwa-shi, Chiba, 277-0804, Japan*



## Диагностическая ультразвуковая система ARIETTA 50

### Инструкция по эксплуатации Руководство по применению

Просьба к операторам и специалистам по обслуживанию:

- Прочтите документ «Руководство по эксплуатации» перед использованием диагностической ультразвуковой системы.
- После прочтения храните «Руководство по эксплуатации» в легкодоступном месте рядом с системой.

**FUJIFILM Healthcare Corporation**

MN1-6467RU ред.6

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# Введение

Благодарим вас за приобретение диагностической ультразвуковой системы ARIETTA 50 производства FUJIFILM Healthcare Corporation.

Данный документ представляет собой инструкцию по эксплуатации для диагностической ультразвуковой системы ARIETTA 50.

В зависимости от того, какими дополнительными модулями была оснащена система на производстве, после названия марки «ARIETTA50» может быть добавлен соответствующий суффикс.

Любое упоминание «ARIETTA 50» в данном руководстве относится к моделям «ARIETTA 50» и «ARIETTA 50LE».

## Наименование и класс медицинского оборудования

### Название продукта

Диагностическая ультразвуковая система ARIETTA 50

## История редакций

№ редакции: 6

Дата обновления: 01.11.2021

## Условные обозначения, применяемые в этом руководстве

Представленные далее термины используются в настоящем руководстве для описания мер безопасности, которые должны соблюдаться для предотвращения угроз или травмирования операторов и пациентов. В зависимости от тяжести рисков и травм, которые могут произойти при несоблюдении этих мер безопасности, используются три категории: ОПАСНОСТЬ, ПРЕДУПРЕЖДЕНИЕ и ОСТОРОЖНО! Кроме того, термином ПРИМЕЧАНИЕ обозначаются другие меры предосторожности, которые должны соблюдать операторы.



### ОПАСНОСТЬ

Используется для обозначения угрожающе опасной ситуации, которая в случае, если ее не удастся избежать, может привести к смерти или тяжелой травме. Этот символ также обозначает непосредственно опасную ситуацию, которая может привести к полному разрушению устройств или пожару.



## ПРЕДУПРЕЖДЕНИЕ

Используется для обозначения потенциально опасной ситуации, которая в случае, если ее не удастся избежать, может привести к смерти или тяжелой травме. Этот символ также обозначает потенциальную (скрытую) опасность, которая может привести к полному разрушению устройств или пожару.



## ОСТОРОЖНО!

Используется для обозначения ситуации, которая, если ее не удастся избежать, может привести к легкой травме или травме средней тяжести. Этот символ также обозначает ситуацию, которая может привести к повреждению устройства или его части или к потере компьютерных данных.

## ПРИМЕЧАНИЕ

Используется для обозначения мер предосторожности, которые настоятельно рекомендуется соблюдать операторам во избежание повреждения или ухудшения работы устройств в ходе эксплуатации, а также для гарантии эффективного использования устройств. Кроме того, этот символ обозначает рекомендованные процедуры, состояния или действия, требующие особого внимания.

Меры безопасности разделены на следующие категории и обозначены следующими символами.



Используется для обозначения запрещенных условий или действий. Меры безопасности, сопровождаемые этим символом, описывают запрещенные условия или действия.



Используется для обозначения действий, которые должен выполнить пользователь.

## Символы настоящего руководства, не относящиеся к обычному набору буквенных и цифровых символов

Следует учитывать, что отображаемые в действительности экраны (включая значки и дизайн) могут отличаться от экранов диагностической ультразвуковой системы, приведенных в данном руководстве.

Некоторые из сообщений, описанных в данном руководстве, могут не отображаться диагностической ультразвуковой системой, это зависит от ее конфигурации (включая варианты системы и дополнительные модули).

В настоящем документе используются следующие символы.

| Символ   | Пояснение |
|----------|-----------|
| $\alpha$ | Альфа     |
| $\gamma$ | Гамма     |



| Символ | Пояснение |
|--------|-----------|
| т      | Пи        |

## О диагностической ультразвуковой системе ARIETTA 50

Данная система предназначена для использования врачами и другими квалифицированными лицами для проведения томографии и гемодинамической диагностики кровотока в теле человека.

Следует учитывать, что данную систему запрещается использовать для ультразвукового исследования глаз. Выходная акустическая мощность данной системы превышает верхний предел для офтальмологических исследований, установленный стандартами Управления по надзору за качеством пищевых продуктов и лекарственных средств США (FDA).

### 1. Меры предосторожности относительно использования и управления данной системой

- Эксплуатировать систему в диагностических целях разрешается только врачам и иным квалифицированным специалистам.
- Проводите сканирование пациента в течение минимально короткого времени, необходимого для выполнения исследования, и с наименьшей возможной мощностью.
- Запрещается разбирать, ремонтировать или модифицировать данную систему или ее дополнительное оборудование без нашего разрешения. Ремонт системы должен выполняться нашими сертифицированными специалистами. В случае необходимости ремонта обращайтесь к нам.  
ПРИМЕЧАНИЕ: Под разборкой имеется в виду использование инструментов для снятия крышки или других деталей.  
ПРИМЕЧАНИЕ: Термин «модификация» обозначает присоединение к данной системе деталей или устройств, отличных от тех, которые указаны производителем. Замена кабеля питания считается модификацией.
- Монтаж системы и любого дополнительного оборудования (сборка и подключение системы с использованием инструментов) должен выполняться нашими сертифицированными партнерами. В случае необходимости монтажа системы или дополнительного оборудования обращайтесь к нам.
- Перевозку системы (перемещение изделия с использованием транспортного средства, например, автомобиля или судна) должны осуществлять наши сертифицированные партнеры. В случае необходимости перевозки системы обращайтесь к нам.
- Периодически очищайте и проверяйте систему. Подробнее см. «Руководство по эксплуатации».
- Если во время использования системы наблюдаются какие-либо отклонения, немедленно извлеките датчик из тела пациента (или уберите датчик с

поверхности тела пациента) и прекратите использование системы. Если у пациента отмечаются необычные или аномальные симптомы, немедленно окажите ему соответствующую медицинскую помощь. Примите необходимые меры в отношении системы, как описано в «Руководстве по эксплуатации». При возникновении аномалии, не описанной в «Руководстве по эксплуатации», обратитесь в наш офис.

## 2. Меры предосторожности при монтаже системы

Данная система представляет собой медицинское электрооборудование, предназначенное для использования в больницах, научно-исследовательских центрах и других аналогичных учреждениях. Выполняйте монтаж системы в соответствии со следующим описанием.

- Выполняйте монтаж системы в соответствии с инструкциями, приведенными в разделе «Настройка перед использованием» документа «Руководство по эксплуатации».
- Место установки системы должно удовлетворять условиям, описанным в разделе «Окружающие условия» документа «Руководство по эксплуатации».
- Выполняйте установку системы в среде, в которой можно обеспечить электромагнитную совместимость в соответствии с разделом «Меры предосторожности для поддержания электромагнитной совместимости» и «Указания по электромагнитной совместимости» документа «Руководство по эксплуатации».

Электромагнитная совместимость (ЕМС) означает, что система может сохранять безопасность и способность выполнять основные функции в указанной электромагнитной обстановке, не создавая электромагнитных помех, недопустимых для других устройств в данной обстановке.

## 3. Габаритные размеры и масса системы

|                                                                                                         |                                                                                          |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Габаритные размеры                                                                                      | Ширина: 531 мм ± 10% Глубина: 767 мм ± 10%                                               |
|                                                                                                         | Высота: от 1317 до 1567 мм                                                               |
| Габаритные размеры<br>При использовании гибкого<br>кронштейна монитора<br>(дополнительный<br>компонент) | Ширина: 531 мм ± 10% Глубина: 797 мм ± 10%                                               |
|                                                                                                         | Высота: от 1280 до 1647 мм                                                               |
| Масса                                                                                                   | 64 kg ± 10% (только основной блок), 105 kg ± 10% (со всеми дополнительными компонентами) |

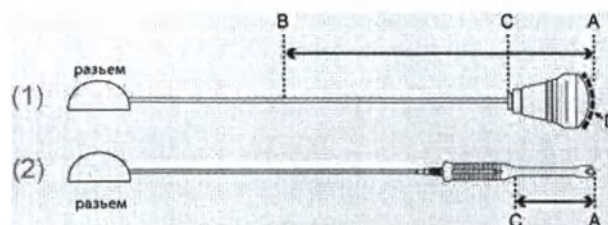
# Классификация диагностической ультразвуковой системы ARIETTA 50

- Защита от поражения электрическим током: медицинское электрооборудование (МЕ), класс I
- Защита от поражения электрическим током (рабочие части): рабочие части типа BF



- Датчики и сканер

Подробные сведения о рабочих частях и деталях, с которыми требуется обращаться как с рабочими частями, см. на следующих рисунках (для датчика или сканера) и в следующей таблице.



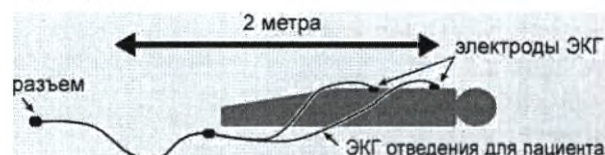
- (1) Пример датчиков для поверхностного применения или для применения во время операции.
- (2) Пример датчиков для полостей тела.

| Применение датчиков | Рабочая часть (прямой контакт с телом пациента) | Детали, считающиеся рабочими частями | Длина между В и С |
|---------------------|-------------------------------------------------|--------------------------------------|-------------------|
| Поверхность тела    | Область ультразвукового облучения (D)           | Между А и В                          | 100 см            |
| Интраоперационный   | Область ультразвукового облучения (D)           | Между А и В                          | 20 см             |
| В полостях тела     | Между А и С                                     | Между А и С                          | -                 |

- ЭКГ

Детали, размещаемые в пределах 2 метров от датчика биологического сигнала, рассматриваются как рабочие части. (См. рисунок ниже.)

Пример: ЭКГ



- Защита от поражения электрическим током (рабочие части с защитой от дефибрилляции): Данная система не предназначена для использования с рабочими частями, защищенными от дефибрилляции.
- Защита от проникновения воды или частиц
  - Рабочая часть датчика: IPX7 (выдерживает кратковременное погружение в воду)
  - Ножной переключатель
    - MP-2819: IPX7 (выдерживает кратковременное погружение в воду)
    - MP-2345B: IPX8 (выдерживает длительное погружение в воду)
  - Прочие детали: IPX0 (обычное оборудование)

- Уровень безопасности при использовании в среде воздуха и огнеопасного ингаляционного анестетика или кислорода/оксида азота и огнеопасного ингаляционного анестетика.
  - Данная система не предназначена для использования в смеси воздуха и огнеопасного ингаляционного анестетика или в смеси кислорода или закиси азота и огнеопасного ингаляционного анестетика.
- Режим работы: продолжительная работа

## Переработка или утилизация



Переработка или утилизация данного оборудования должна осуществляться надлежащим образом в соответствии с организационными правилами и местным законодательством.



Данный символ на оборудовании или его упаковке означает, что данное оборудование не должно утилизироваться в качестве бытовых отходов. Вместо этого его следует сдать в соответствующий пункт сбора для переработки электрических и электронных изделий. Обеспечив правильную утилизацию данного оборудования, вы можете предотвратить потенциальные негативные последствия для окружающей среды и здоровья человека, которые могут возникнуть в случае неправильного обращения с данным оборудованием. Переработка материалов помогает сохранить природные ресурсы.

Данное оборудование содержит первичную батарею (литиевую батарею). Переработка или утилизация данного оборудования должна осуществляться надлежащим образом в соответствии с организационными правилами и местным законодательством. Для получения более подробной информации о переработке данного оборудования обратитесь в один из наших офисов, перечисленных на задней стороне обложки, или в местную службу утилизации бытовых отходов.

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3. Модификация, изменение или перевод
4. Создание копий или дубликатов
5. Сдача в аренду третьим сторонам

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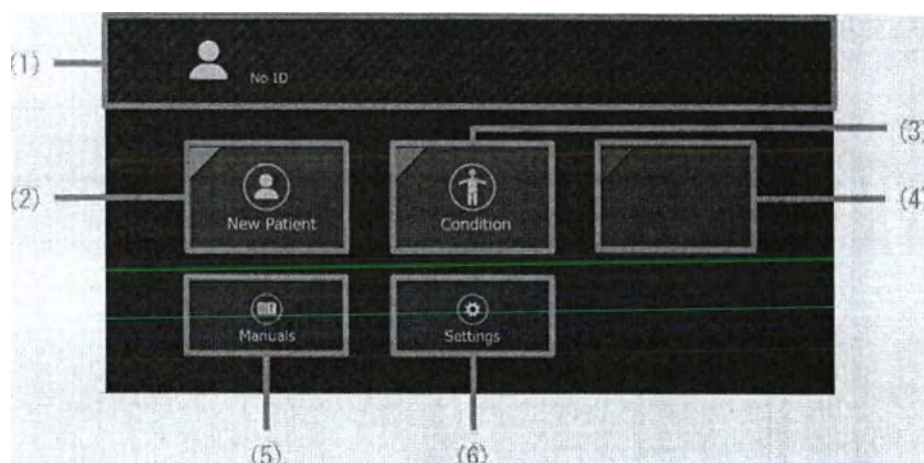
## Основные элементы управления

- 1.1 Изображение на экране
- 1.2 Панель управления
- 1.3 Вход и выход из системы
- 1.4 Переключение датчиков
- 1.5 Переключение предустановок
- 1.6 Регулировка мощности ультразвука
- 1.7 Ввод комментариев
- 1.8 Отображение меток области исследования

# 1.1 Изображение на экране

## 1.1.1 Главная страница

Отображается после нажатия программной кнопки [HOME].



(1) ID пациента

Отображает ID пациента.

(2) [New Patient]

Введите информацию о пациенте.

(3) [Condition]

Ввод данных об обследуемой части тела, форме тела пациента, датчиках, которые будут использоваться, а также других условиях сканирования перед началом обследования.

(4) [History]

Отображает экран анамнеза пациента.

(5) [Manuals]

Отображает инструкции по эксплуатации.

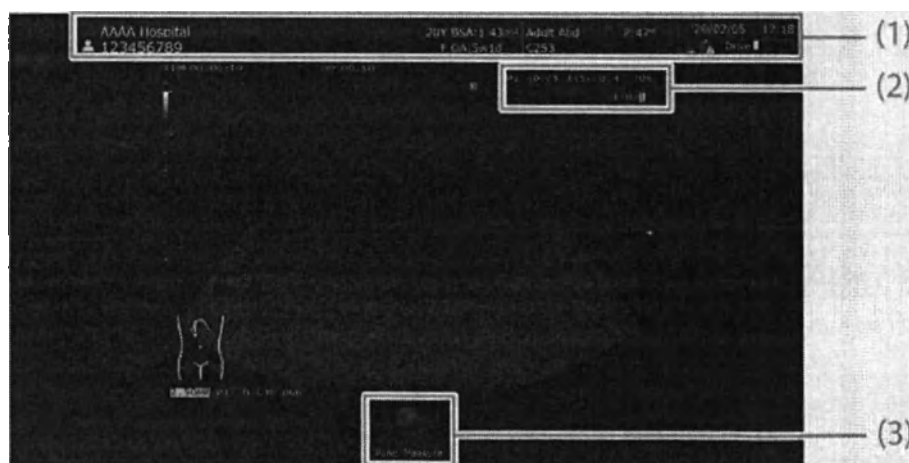
(6) [Settings]

Отображает меню Common Preset. Это меню используют для изменения настроек.

## 1.1.2 Экран сканирования

### 1.1.2.1 Обзор

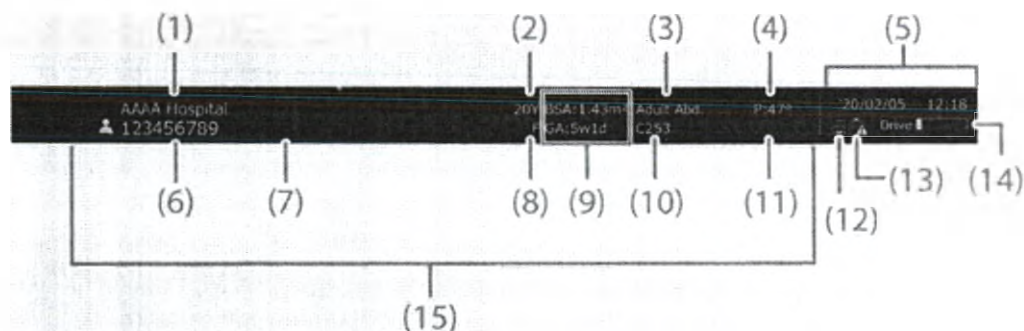
Экран сканирования имеет следующую компоновку.



Конфигурация экрана сканирования

- |     |                                     |                                                                                                |
|-----|-------------------------------------|------------------------------------------------------------------------------------------------|
| (1) | Область информации                  | Отображает данные пациента, сообщения и значки, отражающие состояние системы и другие условия. |
| (2) | Область ультразвукового изображения | Отображает ультразвуковые изображения.                                                         |
| (3) | TBF Display                         | Отображает состояние функциональной клавиши трекбола.                                          |

### 1.1.2.2 Область информации



#### Область информации

- |      |                                      |                                                                                                                                                                                                                                                                                                               |
|------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)  | Наименование медицинского учреждения | Отображает название лечебного учреждения.                                                                                                                                                                                                                                                                     |
| (2)  | Age                                  | Выводит на экран возраст пациента.                                                                                                                                                                                                                                                                            |
| (3)  | Название предустановки               | Отображает название предустановки.                                                                                                                                                                                                                                                                            |
| (4)  | Угол пункции                         | Отображает угол пункции.                                                                                                                                                                                                                                                                                      |
| (5)  | Дата/время                           | <p>Во время отображения изображения в режиме реального времени: текущее время.</p> <p>В режиме стоп-кадра: время, когда изображение было остановлено.</p> <p>В режиме просмотра: время, когда изображение было сохранено.</p>                                                                                 |
| (6)  | Patient ID                           | Отображает ID пациента.                                                                                                                                                                                                                                                                                       |
| (7)  | Имя пациента                         | Отображает имя пациента.                                                                                                                                                                                                                                                                                      |
| (8)  | Пол                                  | Отображает пол пациента.                                                                                                                                                                                                                                                                                      |
| (9)  | GA/Cycle Day/BSA/PSA/BMI             | Отображает срок беременности, день цикла, BSA, PSA или IMT пациента.                                                                                                                                                                                                                                          |
| (10) | Название датчика                     | Отображает название выбранного датчика.                                                                                                                                                                                                                                                                       |
| (11) | Частота сердечных сокращений         | Отображает частоту сердечных сокращений.                                                                                                                                                                                                                                                                      |
| (12) | Состояние соединения с сетью         | <ul style="list-style-type: none"> <li>• Проводное <ul style="list-style-type: none"> <li>: Соединено</li> <li>: Не соединено</li> </ul> </li> <li>• Беспроводное <ul style="list-style-type: none"> <li> к : Интенсивность сигнала (сильный) – (слабый)</li> <li>: Ошибка подключения</li> </ul> </li> </ul> |



(13) Оставшийся заряд батареи



Переключатель питания от батареи выключен.

| Зарядка батареи<br>Кабеля питания не<br>присоединен. | Используется батарея | Оставшийся заряд батареи |
|------------------------------------------------------|----------------------|--------------------------|
|                                                      |                      | 80 % или более           |
|                                                      |                      | от 60 % до 80 %          |
|                                                      |                      | от 40 % до 60 %          |
|                                                      |                      | от 20 % до 40 %          |
|                                                      |                      | Менее 20 %               |

(14) Доступное место на жестком диске системы

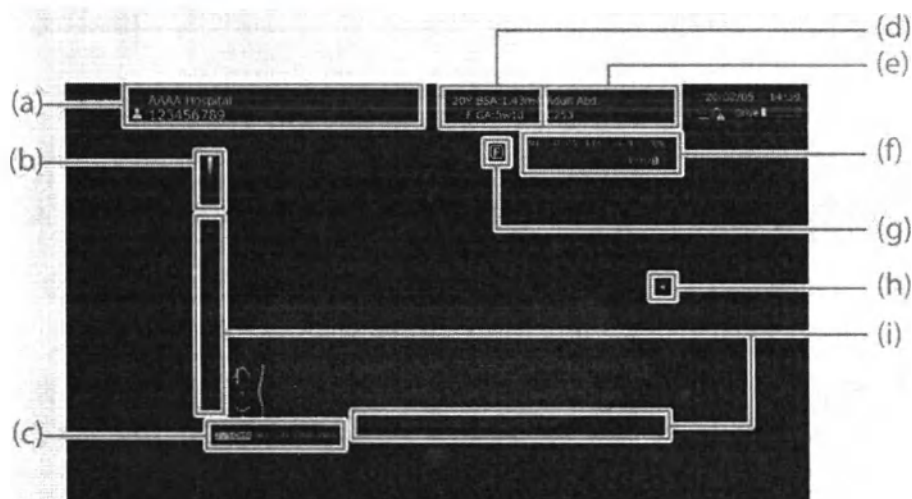
| Состояние жёсткого диска | Использование жёсткого диска |
|--------------------------|------------------------------|
|                          | от 1 до 10 %.                |
|                          | от 11 до 20 %.               |
|                          | от 21 до 30 %.               |
|                          | от 31 до 40 %.               |
|                          | от 41 до 50 %.               |
|                          | от 51 до 60 %.               |
|                          | от 61 до 70 %.               |
|                          | от 71 до 80 %.               |
|                          | от 81 до 90 %.               |
|                          | от 91 до 100 %.              |

| Состояние жёсткого диска                                                          | Использование жёсткого диска |
|-----------------------------------------------------------------------------------|------------------------------|
|  | Ошибка                       |

- (15) Область отображения  
вспомогательных сообщений
- При определенных состояниях системы в этой области может отображаться сообщение.

### 1.1.2.3 Информация, отображаемая на ультразвуковом изображении

Для изображений В-режима

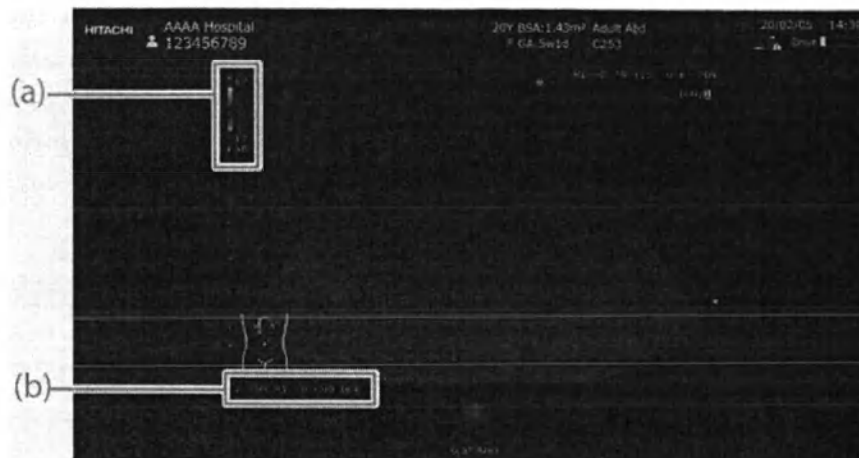


- (a) Верхняя строка: Наименование медицинского учреждения  
Нижняя строка: ID пациента, имя пациента
- (b) Шкала оттенков серого
- (c) Частота (В, М), глубина изображения, коэффициент усиления В, динамический диапазон (В, М)
- (d) Верхняя строка: Возраст, площадь поверхности тела (BSA)  
Нижняя строка: Пол, срок беременности (GA)
- (e) Верхняя строка: Название приложения, угол пункции  
Нижняя строка: Название датчика, частота сердечных сокращений
- (f) Величина MI, величина TI, выходная мощность ультразвука, частота кадров (число кадров ультразвукового изображения в секунду)
- (g) Метка ориентации  
В этом руководстве следующие символы имеют следующие значения: ●: Активный, ○: Неактивный
- (h) Метки фокуса
- (i) Метка линейки: при разных диапазонах отображения интервалы линейки различаются.

| Диапазон отображения | Отметка линейки (малая) | Отметка линейки (крупная) |
|----------------------|-------------------------|---------------------------|
| R0.5 - R2.0          | 0.1 cm                  | 0.5 cm                    |
| R2.5 - R6.0          | 0.5 cm                  | 1.0 cm                    |
| R7.0 - R29.0         | 1.0 cm                  | 5.0 cm                    |

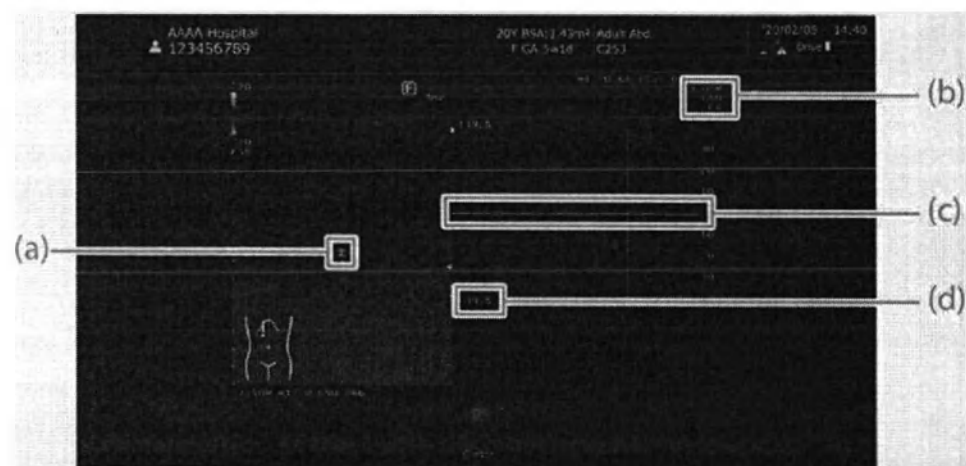
| Диапазон отображения | Отметка линейки (малая) | Отметка линейки (крупная) |
|----------------------|-------------------------|---------------------------|
| R30, R35, R40        | 5.0 cm                  | 10.0 cm                   |

#### Изображение цветного доплеровского режима



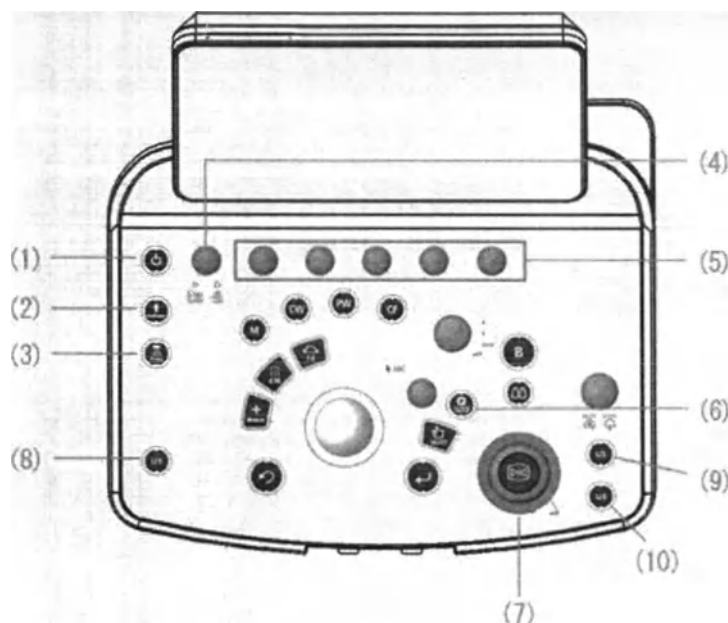
- (a) Шкала цветности:  
«F55»: Значение цветового усиления  
«17»: Диапазон скоростей
- (b) Частота (поток), глубина изображения, коэффициент усиления В, динамический диапазон (В, М)

#### Изображения D-режима



- (a) Контрольный объем
- (b) Частота (PM), значение D усиления, значение гамма в доплеровском режиме
- (c) Исходный
- (d) Диапазон скоростей

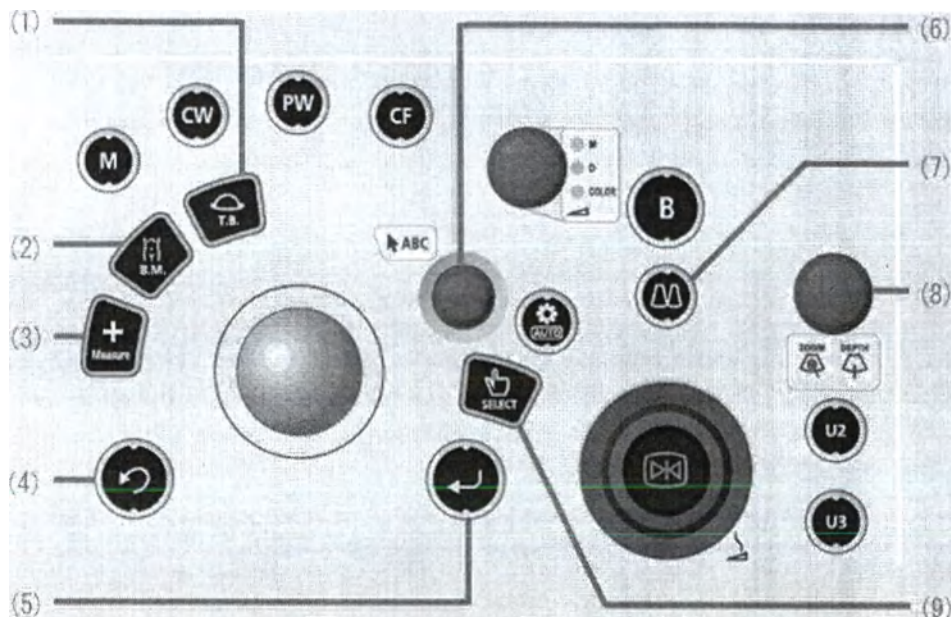
## 1.2 Панель управления



Изображение панели управления

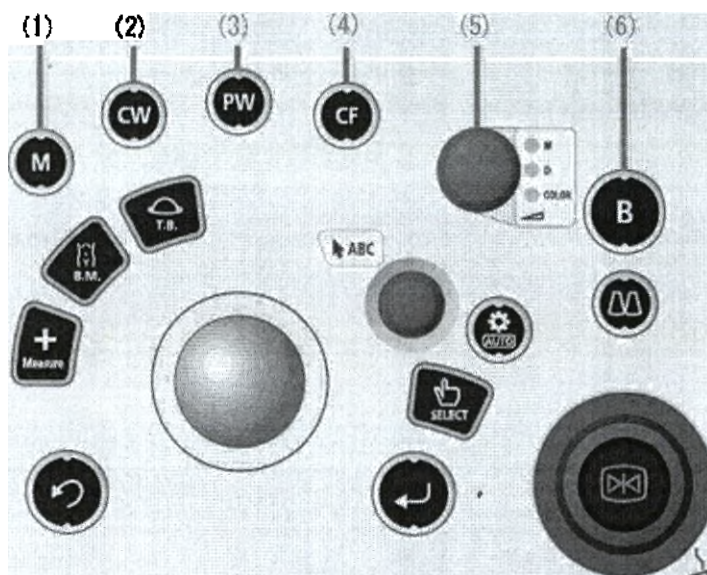
- (1) Кнопка [Power]
- (2) Кнопка [New Patient]
- (3) Кнопка [Probe]
- (4) Кнопка [Menu]  
Поворотный регулятор [Acoustic Power]
- (5) Поворотные регуляторы
- (6) Кнопка [Auto Optimizer]
- (7) Кнопка [Freeze]  
Поворотный регулятор [Freeze]
- (8) Кнопка [User 1 (Measurement)]
- (9) Кнопка [User 2 (Print)]
- (10) Кнопка [User 3 (Store)]





Панель управления (область трекбола)

- (1) Клавиша [Track ball function]  
В настоящем руководстве описывается как клавиша [T.B.F.]
- (2) Клавиша [Body Mark]
- (3) Клавиша [Calliper]
- (4) Клавиша [Cancel]
- (5) Клавиша [Enter]
- (6) Клавиша [Pointer]  
Поворотный регулятор [Pointer]
- (7) Клавиша [Dual]
- (8) Поворотный регулятор [Zoom/Depth]
- (9) Клавиша [Select]

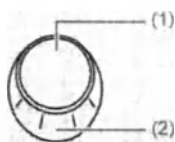


- (1) Клавиша [M]
- (2) Клавиша [CW]

- (3) Клавиша [PW]
- (4) Клавиша [CF]
- (5) Поворотный регулятор усиления с несколькими ручками
- (6) Клавиша [B]

Поворотный регулятор со встроенной нажимной клавишей

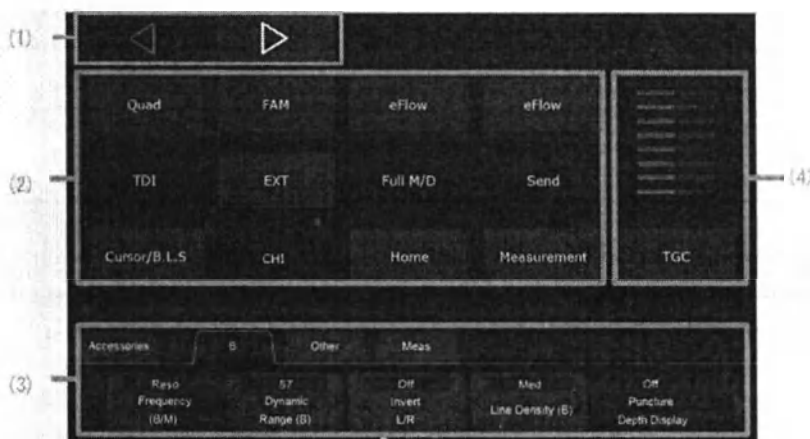
Управление с помощью поворотного регулятора осуществляется следующим образом.



- (1) Клавиша  
Срабатывает при нажатии.
- (2) Поворотный регулятор  
Срабатывает при повороте.

## 1.2.1 Сенсорная панель

### (1) Изображение на экране



- (1) Кнопки переключения страниц  
Можно переключаться между страницами, где отображаются программные кнопки.
- (2) Программные кнопки  
Для назначения функций можно использовать предустановки ([Accessories] > [Preset] > [Setup Menu] > [Software Button]).
- (3) Меню функций  
Для назначения функций можно использовать предустановки ([Accessories] > [Preset] > [Setup Menu] > [Menu-Function]).
- (4) TGC  
Если выбрать [TGC], то будут отображены ползунки TGC, позволяющие регулировать TGC.

### (2) Программные кнопки

Следующие функции можно использовать, назначив их для программных кнопок.

| Название функции | Функции                                                            |
|------------------|--------------------------------------------------------------------|
| Quad             | Отображает изображения В-режима, используя вид на четырех экранах. |

| Название функции | Функции                                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FAM              | Отрисовывает линию курсора М-режима (FAM курсор) на изображении В-режима и создает изображение М-режима из информации об области интереса, лежащей под линией курсора. |
| Power Doppler    | Отображает цвета на изображении в соответствии с интенсивностью сигналов режима Color Doppler. Данный режим чувствителен к медленным потокам крови.                    |
| eFlow            | Отображает режим энергетического доплера с высоким разрешением. Эта функция пригодна для детального наблюдения за током крови.                                         |
| TDI              | Режим для визуализации движения тканей миокарда и т. п.                                                                                                                |
| EXT              | Выберите эту функцию при отображении изображений с устройства записи видео высокого разрешения.                                                                        |
| Full M/D         | Отображает изображения М- и D-режима, используя вид одиночного экрана.                                                                                                 |
| Send             | Воспользуйтесь этой функцией для отправки изображений на сервер.                                                                                                       |
| Curser/B.L.S.    | Воспользуйтесь этой функцией для использования трекбола для перемещения курсора или базовой линии.                                                                     |
| CHI              | Воспользуйтесь этой функцией для активации функции CHI.                                                                                                                |
| Home             | Воспользуйтесь этой функцией для отображения главной страницы.                                                                                                         |
| Measurement      | Воспользуйтесь этой функцией для отображения меню измерений.                                                                                                           |
| Review           | Отобразите Image Viewer.                                                                                                                                               |

### (3) Меню функций



(1) Вкладка [Accessories]

| Элемент   | Краткое описание                                                                                                                               |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|
| ID        | Отображает экран ввода ID (подробная версия) без сброса к настройкам по умолчанию.                                                             |
| Preset    | Отображает экран предустановок.                                                                                                                |
| Review    | Отображает средство просмотра изображений.                                                                                                     |
| Report    | Отобразите отчет.                                                                                                                              |
| Manuals   | Отображает инструкции по эксплуатации.                                                                                                         |
| End Study | Завершает исследование и продолжает выполнение других исследований того же пациента (если выполняется несколько исследований одного пациента). |
| Thumbnail | Отображает миниатюры.                                                                                                                          |

- (2) Вкладки для каждого режима  
 Эти вкладки содержат элементы меню, сгруппированные в соответствии с режимом. В зависимости от элемента, для выполнения операций можно использовать сенсорную панель или поворотный регулятор.



## Элементы меню функций и соответствующие им поворотные регуляторы.



- (1) Выходная мощность ультразвука/поворотный регулятор меню  
(2) Поворотные регуляторы для меню операций

### Использование меню функций для выполнения операций

Используя соответствующую функцию можно выполнить следующие операции.

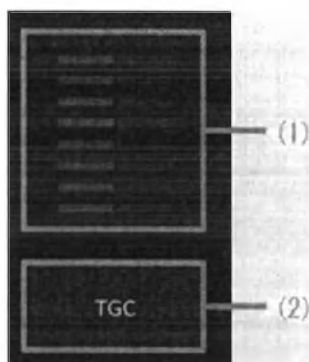
| Тип элемента меню                                      | Пример переключателя           | Операция поворотного регулятора                                                                          | Операции сенсорного экрана                                      |
|--------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Переключение между включенным и выключенным состоянием | Off<br>Power Limit<br>Override | Нажмите на поворотный регулятор, чтобы выполнить переключение между включенным и выключенным состоянием. | Коснитесь этого элемента, чтобы включить или выключить функцию. |
| Изменение значения                                     | 60<br>Dynamic<br>Range (B)     | Поворачивайте поворотный регулятор, чтобы изменить значение.                                             | Коснитесь «<» или «>», чтобы изменить значение.                 |
| При отсутствии настроек                                | Auto-optimizer                 | Нажмите на поворотный регулятор, чтобы активировать функцию.                                             | Коснитесь этого элемента, чтобы активировать функцию.           |

### Изменение страницы, отображаемой в меню функций

Коснитесь «<» или «>» рядом с меню функций.



## (4) TGC

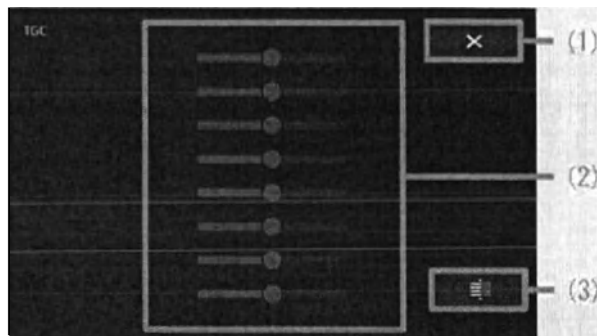




- (1) Кривая TGC  
Отображается кривая TGC, используемая в настоящее время.
- (2) Программная кнопка TGC

#### Регулирует TGC

1. Выберите программную кнопку [TGC].  
На сенсорной панели откроется экран настроек TGC.



- (1) Кнопка выхода
- (2) Ползунок
- (3) Кнопка сброса

2. Переместите ползунок вправо или влево, чтобы регулировать TGC.

#### Сброс кривой TGC

- Выберите [RECALL].

#### Завершение регулировки кривой TGC.

- Выберите [OK].

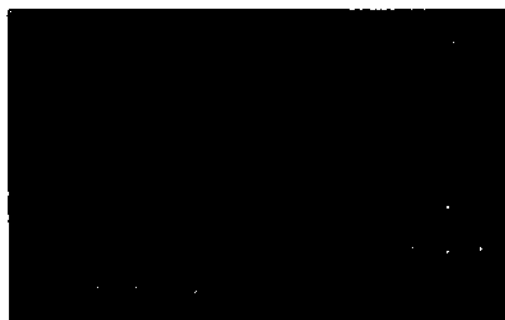
### **(5) Экранная клавиатура**

Используйте экранную клавиатуру для ввода текста.

Экранная клавиатура отображается автоматически при выборе функции, которая требует ввода текста, например, комментария, или при выборе вводимого элемента на экране ввода ID.

Чтобы скрыть экранную клавиатуру, коснитесь [ESC].

**ПРИМЕЧАНИЕ:** При нажатии клавиши [CLR] происходит то же самое, что и при нажатии клавиши [BS], за исключением ситуации с вводом комментария.



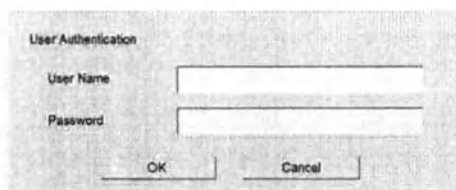
Чтобы ввести символы, отличающиеся от представленных выше, выберите указанную ниже кнопку для изменения отображения.

|                                      |                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------|
| Ввод текста<br>заглавными<br>буквами |  |
| Ввод специальных<br>символов         |  |

## 1.3 Вход и выход из системы

Проверка подлинности пользователей осуществляется через экран входа в систему, который открывается при запуске системы и при выходе из системы.

Если во время настройки функция User Authentication переведена в состояние «On», то при запуске системы или при выходе из системы будет отображаться окно входа в систему. Чтобы начать использование системы должно быть подтверждено, что пользователь является авторизованным пользователем.



Если во время настройки функция User Authentication переведена в состояние «Off», экран входа в систему отображен не будет.

Если система сконфигурирована для идентификации пользователя, процедуры входа в систему и выхода из нее являются обязательными.

### Предварительные условия

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Log Off] меню функций.

### Процедура

- Вход в систему.

- a. На экране входа введите имя пользователя в поле User name и пароль в поле Password.
- b. Выберите [OK].

Используйте введенные имя пользователя и пароль для проверки подлинности. После успешной проверки информации систему можно использовать.

Если имя пользователя и (или) пароль не верны, будет отображено сообщение Invalid name or password. Нажмите [OK] и введите верное имя пользователя и пароль.
- Регистрация паролей для новых пользователей.

Новый пользователь должен зарегистрировать пароль для первого входа в систему.

Регистрировать нового пользователя может только пользователь, вошедший в систему с правами уровня 1. Для получения дополнительных сведений о регистрации пользователя обратитесь к системному администратору или пользователю уровня 1.

  - a. Введите новое имя пользователя в поле User name на экране входа в систему.
  - b. Выберите [Password].

Будет отображено диалоговое окно Change/Register Password.
  - c. В поле New Password диалогового окна Change/Register password введите новый пароль, состоящий из буквенных или цифровых символов, длиной от 4 до 16 знаков.
  - d. Введите тот же пароль в поле Re-confirmation.
  - e. Выберите [OK].

После предоставления права доступа будет отображен экран входа. При нажатии [Cancel], пароль установлен не будет, будет вновь отображен экран входа.

    - Если пароль содержит недопустимые для использования символы, является слишком коротким или слишком длинным, будет отображено сообщение Invalid password, please choose another. Выберите [OK] и введите пароль еще раз.
    - Если пароли, введенные в поля New Password и Re-confirmation не совпадают, будет отображено сообщение The passwords did not match, please re-enter your new password. Выберите [OK] и введите пароль еще раз.
- Изменение пароля.

Изменение пароля для существующего пользователя.

  - a. Введите имя пользователя в поле User name на экране входа в систему.
  - b. Выберите [Password].

Будет отображено диалоговое окно Change/Register Password.
  - c. Введите старый пароль в поле Current Password.

- d. Введите новый пароль, состоящий из буквенных или цифровых символов, длиной от 4 до 16 символов в поле New Password.
- e. Введите новый пароль в поля New Password и Re-confirmation.
- f. Выберите [OK].

После предоставления права доступа будет отображен экран входа. При нажатии [Cancel], пароль установлен не будет, будет вновь отображен экран входа.

  - Если пароль содержит недопустимые для использования символы, является слишком коротким или слишком длинным, будет отображено сообщение Invalid password, please choose another. Выберите [OK] и введите пароль еще раз.
  - Если пароли, введенные в поля New Password и Re-confirmation не совпадают, будет отображено сообщение The passwords did not match, please re-enter your new password. Выберите [OK] и введите пароль еще раз.
  - Такое сообщение, как Invalid name or password., отображается, если User Name и Current Password не совпадают. Выберите [OK], а затем введите поле User Name и повторно введите поле Current Password.
- Выход из системы  
Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Log Off] меню функций.  
Пока включены экраны Review, Preset или ID, или во время выполнения процессов Store или воспроизведения Loop выполнить выход из системы невозможно.
  - a. Выберите [Log Off], назначенную меню функций.  
При этом откроется экран входа. После этого никаких операций, кроме входа в систему, выполнить будет невозможно. Выключение питания системы также расценивается как выход из системы. При следующем запуске системы будет отображен экран входа.

## Справочная информация

9.6.11 Menu-Function на странице 307

9.5.2 Конфигурирование проверки подлинности пользователя на странице 277

## 1.4 Переключение датчиков

Выберите датчик, используемый для отображения ультразвуковых изображений на экране.

### Процедура

- Нажмите клавишу [Probe].  
На сенсорной панели откроется экран выбора Probe, выбранный датчик будет отмечен желтым цветом.
- Выберите датчик.





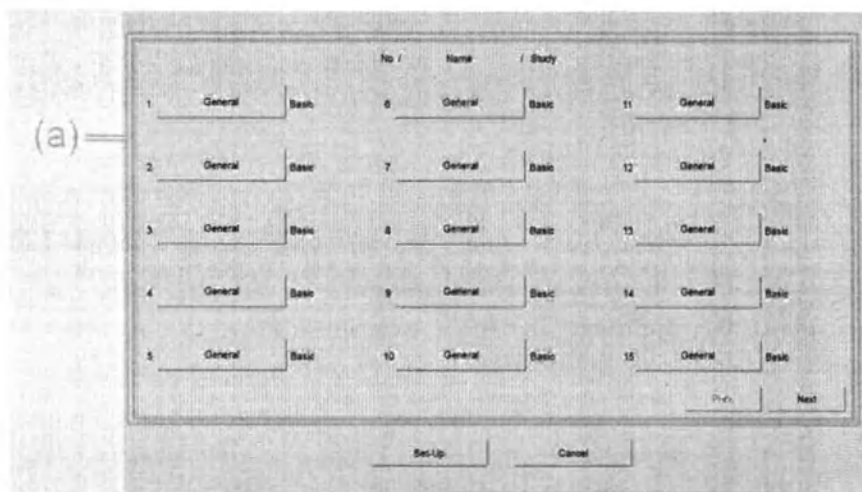
Отображаемые данные меняются в зависимости от выбора датчика.



## 1.5 Переключение предустановок

### Процедура

- Выберите [Preset] на вкладке [Accessories].  
Отображается по 15 названий предустановок на страницу.



(a) Список Name

- Выберите предустановку из списка Name.  
Если нужная предустановка не отображается  
Выберите [Next] или [Prev.], чтобы изменить страницу списка Name.  
Отображаемые данные меняются на выбранную предустановку.

## 1.6 Регулировка мощности ультразвука





Проводите сканирование в течение минимально короткого времени, необходимого для диагностики, и с наименьшей подходящей мощностью.

При выполнении ультразвукового обследования плода следует соблюдать особую осторожность.

Высокая мощность и длительное воздействие ультразвуковых волн может оказать негативное влияние на внутренние ткани пациента.

Меры предосторожности, имеющие отношение к выходной мощности ультразвука, см. в отдельном документе «Руководство по эксплуатации».

### Процедура

- Поворачивайте поворотный регулятор [Acoustic Power], чтобы изменить акустическую мощность.  
Мощность ультразвука отображается на экране в процентах фактически установленного напряжения передатчика от величины, считающейся максимальным безопасным напряжением передатчика в текущих условиях сканирования.

## 1.6.1 Отмена ограничения акустической мощности

### Предварительные условия

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Power Limit Override] меню функций.

Если система используется для обследования плода, выходная мощность ультразвука ограничивается в соответствии с нормами нашей компании, установленными в соответствии с требованиями управления риском, которые представлены в документе IEC60601-2-37 Ed.2.1 (2015). Верхнее ограничение MI и верхнее ограничение TI не превышают значение 1,0.

Это ограничение мощности ультразвука применяется в следующих областях исследования: общее, акушерское, акушерское ТВ, сердце плода, а также для других приложений, построенных на основе вышеуказанных.

### Процедура

- Выберите [Power Limit Override] в меню функций.  
Отображается следующее сообщение.  
«Please keep acoustic output level as low as possible. Exposure to high levels of Ultrasound waves can be unsafe. Refer to ALARA recommendations in Operator's Manual.»
- Выберите [OK].  
Ограничение подаваемой мощности временно снято.  
Если выбрано [Cancel], то сообщение закрывается, а ограничения не снимаются.

## 1.7 Ввод комментариев

Эта функция предназначена для ввода текста в области ультразвукового изображения.

Помимо возможности непосредственного ввода текста, для экономии времени можно вводить данные с помощью системного словаря (System Dictionary) или функции обучения (Learning Function).

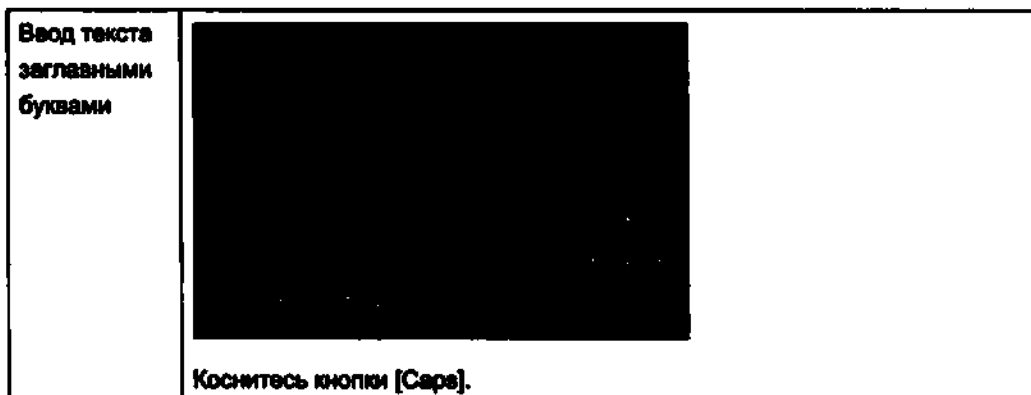
- При использовании словаря системы в меню Annotation будут отображаться ключевые слова, которые можно вводить, набирая на клавиатуре первые буквы.
- При использовании функции обучения, ключевые слова, которые выбирались ранее, будут отображаться в меню более заметно.

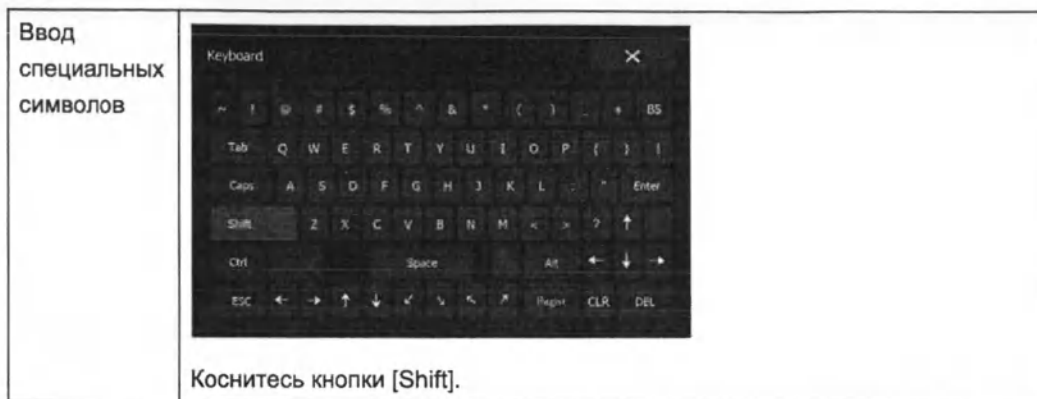
### 1.7.1 Ввод символов с клавиатуры

Для ввода текста в области ультразвукового изображения используют виртуальную клавиатуру (сенсорная панель) или буквенно-цифровую клавиатуру.

#### Процедура

1. Нажмите клавишу [Pointer].  
На области ультразвукового изображения появится указатель, а на сенсорной панели будет отображена экранная клавиатура.
2. Воспользуйтесь трекболом для перемещения указателя в точку ввода.
3. Введите символы с экранной клавиатуры.  
Для использования меню Annotation  
Установите словарь системы ([Common Preset] > [Common 2] > [System Dictionary]) в режим [Use]. По мере ввода текста в меню Annotation будут появляться ключевые слова. Используя поворотный регулятор [Pointer], выберите и выделите ключевое слово, которое нужно ввести.
4. Нажмите клавишу [Enter] или нажмите кнопку [Enter] на экранной клавиатуре.  
Введенные данные будут подтверждены.  
**Ввод специальных символов**  
Специальные символы можно вводить, используя клавиши ввода следующим образом.





## Справочная информация

9.6.11 Menu-Function на странице 307

### 1.7.2 Ввод указателя

#### Процедура

1. Нажмите клавишу [Pointer].  
На области ультразвукового изображения появится указатель, а на сенсорной панели будет отображена экранная клавиатура.
2. Воспользуйтесь трекболом для перемещения указателя в точку ввода.  
Изменение направления указателя  
Поверните поворотный регулятор [Pointer].
3. Нажмите клавишу [Enter].

### 1.7.3 Изменение размера текста

#### Предварительные условия

Присвойте функцию [Character Size] меню функций, предварительно используя предустановку ([Preset Set-Up Menu > Menu-Function]).

#### Процедура

1. Выберите размер из [Character Size] в меню функций.
  - Размером по умолчанию считается "Normal"
  - Размер "Large" вдвое превышает размер Normal. (2 x по горизонтали и 2 x по вертикали)

### 1.7.4 Перемещение текстовых строк

#### Предварительные условия

Присвойте функцию [Send] любой программной кнопке, предварительно используя предустановку ([Preset Set-Up Menu > Software Button]).



### Процедура

1. Курсор-указатель отображается на текстовой строке.  
Поместите указатель на текстовую строку.  

2. Коснитесь программной кнопки [Send].  
Текстовая строка будет выделена.  

3. Воспользуйтесь трекболом для перемещения текстовой строки.
4. Повторно коснитесь программной кнопки [Send].  
Положение текстовой строки будет подтверждено.

## 1.7.5 Удаление текста

### Процедура

1. Установите курсор-указатель справа от удаляемого текста.
2. Коснитесь кнопки [BS] на экранной клавиатуре.  
Текст слева от курсора-указателя будет удален.



## 1.7.6 Удаление текстовых строк

### Удаление конкретных текстовых строк

### Процедура

1. Поместите указатель на текстовую строку, подлежащую удалению.
2. Коснитесь кнопки [DEL] на экранной клавиатуре.  
Текстовая строка в месте расположения курсора будет удалена.



### Удаление всего текста на экране

1. Существуют 2 способа удаления текста.
  - Коснитесь кнопки [CLR] на экранной клавиатуре.
  - Отмените функцию остановки изображения (если для Comment Auto Delete установлено значение "Erase" в предустановке ([Preset Set-Up Menu > ID, Comment])).

## 1.7.7 Регистрация ключевых слов для меню Annotation

Эта функция позволяет зарегистрировать любые желаемые ключевые слова в Dictionaries с 1 по 6.

## Процедура

1. Нажмите клавишу [Pointer].
2. На экранной клавиатуре нажмите клавишу [Regist] или клавишу [Ctrl] + клавишу [D].

На экране будет отображено следующее диалоговое окно.



3. Выберите Dictionary, чтобы зарегистрировать ключевое слово.
  - a. Используйте трекбол для перемещения к полю Key и нажмите клавишу [Enter] для выбора номера Dictionary, в котором будут зарегистрированы слова. При каждом нажатии клавиши [Enter] будет отображаться следующий доступный номер Dictionary (DIC1 - DIC6).
4. Введите ключевое слово.
  - a. Используйте трекбол для перемещения  к полю Dictionary и нажмите клавишу [Enter] для выбора номера словаря, в котором будут зарегистрированы слова.
  - b. Введите до 8 цифр, используя клавиатуру. Вводимое ключевое слово отображается в поле Key, и то же слово отображается в поле Word.



- c. Нажмите клавишу [Enter].  
Поле Key будет подтверждено.
5. Если ключевое слово отличается от текста на экране (например, полным написанием), введите текст в поле Word.
    - a. Воспользуйтесь трекболом для перемещения  к полю Word и нажмите кнопку [Enter].
    - b. Введите до 54 цифр, используя клавиатуру.
    - c. Нажмите клавишу [Enter].

### Настройка Word для вводимых символов

Выберите значение "Full Spelling" для Annotation Dictionary Select в предустановке ([Preset Set-Up Menu] > [ID, Comment]).

При поставке система настроена для ввода текстовых строк в режиме Key.

6. Используйте трекбол для выбора [OK].  
Ключевое слово и текстовые стоки регистрируются в словаре.

## 1.7.8 Удаление зарегистрированного ключевого слова

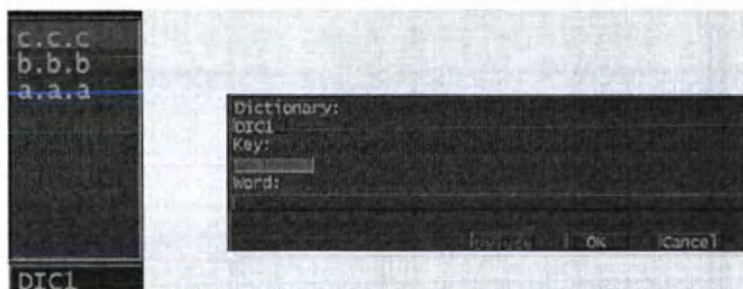
### Предварительные условия

Присвойте функцию [Send] любой программной кнопке, предварительно использовав предустановку ([Preset Set-Up Menu] > [Software Button]).

### Процедура

1. Нажмите клавишу [Pointer].
2. На экранной клавиатуре нажмите клавишу [Regist] или клавишу [Ctrl] + клавишу [D].

Откроется зарегистрированное меню Annotation и диалоговое окно.



3. Выберите из меню Annotation ключевое слово, которое нужно удалить.
  - a. Используя поворотный регулятор [Pointer], выберите и выделите ключевое слово, которое нужно удалить.
  - b. Коснитесь программной кнопки [Send].  
Ключевое слово будет отображено в диалоговом окне.
4. Нажмите клавишу [Enter].
5. Используйте трекбол для выбора [Delete] в диалоговом окне.  
Ключевое слово будет удалено из словаря. Ключевое слово будет стерто из меню Annotation.
6. Используйте трекбол для выбора [OK].  
Диалоговое окно закрывается.

## 1.8 Отображение меток области исследования

Иллюстрации (метки области исследования) можно использовать для отображения исследуемой части тела или положения тела во время исследования.

На метке области исследования могут быть отображены положения датчиков.

### Процедура

- Отображение меток тела.
  - a. Нажмите клавишу [Body Mark].

На сенсорной панели отобразится меню Body Mark, а на экране отобразятся метки области исследования.

- Изменение меток области исследования.
  - a. Нажмите клавишу [Body Mark].
  - b. Выберите метку области исследования в меню Body Mark.Будет отображена выбранная метка области исследования.
- Перемещение и поворот меток датчика.
  - a. Нажмите клавишу [Body Mark].
  - b. Воспользуйтесь трекболом для перемещения положения датчика.
  - c. Поверните поворотный регулятор [Pointer], чтобы развернуть ориентацию метки датчика.
- Поворот пиктограммы плода.

Пиктограмму плода можно поворачивать для отображения положений, например, ягодичного предлежания.

  - a. Отображение метки области исследования плода.
    - 1. Выберите [Preset] на вкладке [Accessories].
    - 2. В списке Name выберите предустановку, в которой область применения указана как [Obstetrics].
    - 3. Нажмите клавишу [Body Mark].
    - 4. Выберите метку области исследования плода в меню Body Mark.
  - b. Нажмите клавишу [Enter].
  - c. Поворачивайте поворотный регулятор [Pointer], чтобы поворачивать пиктограмму плода.

При каждом повороте поворотного регулятора поворачивается пиктограмма плода.

Переключение поворота метки датчика и метки плода

Для переключения нажмите клавишу [Enter].



- d. Нажмите клавишу [Enter].

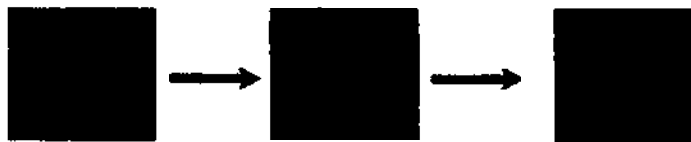
Подтверждает поворот пиктограммы плода. После этого вращение поворотного регулятора [Pointer] поворачивает метку датчика.

Чтобы снова перейти к повороту пиктограммы плода, повторите действия с этапа b.

Пиктограмма близнецов отличается от других пиктограмм.

Рисунок. При повороте поворотного регулятора [Pointer].





- **Перемещение положения отображения метки области исследования.**  
**Предварительные условия**  
Присвойте функции [Body Mark Location] и [Body Mark Reset] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]).
  - a. Выберите [Body Mark Location] в меню функций.  
Поверх метки области исследования будет отображена квадратная рамка.
  - b. Воспользуйтесь трекболом для перемещения квадратной рамки.
  - c. Нажмите клавишу [Enter].  
Метка области исследования переместится.
  - d. Повторно выберите [Body Mark Location] и подтвердите положение.  
Для возврата положения, имевшегося при поставке продукта
    - 1. Выберите [Body Mark Location] в меню функций.  
Поверх метки области исследования будет отображена квадратная рамка.
    - 2. Выберите [Body Mark Reset] в меню функций.
    - 3. Повторно выберите [Body Mark Location] и подтвердите положение.
- **Скрытие меток области исследования.**
  - a. Нажмите клавишу [Body Mark].  
Метки тела, отображавшиеся на экране, будут скрыты.

### **Справочная информация**

Методики размещения метки тела см. ниже.

**9.6.9 Body Mark** на странице 303

## Ввод данных о пациенте

- 2.1 Перед началом исследования
- 2.2 Экраны для ввода данных о пациенте
- 2.3 Ввод данных о пациенте

## 2.1 Перед началом исследования

Введите данные о пациенте (ID номер, имя, и т. п.) и отобразите их на экране.

Введенные данные можно использовать для отображение отчета.

Имеются следующие два типа экранов ввода данных о пациенте.

- Экран ввода отображается при выборе [New Patient] на главном экране  
В настоящем документе этот экран называется экраном ввода идентификатора (главным экраном).
- Экран ввода отображается при нажатии клавиши [New Patient] на панели операций  
В настоящем документе этот экран называется экраном ввода идентификатора.

На экране ввода идентификатора (главном экране) можно ввести данные о пациенте с помощью клавиатуры. На экране ввода идентификатора можно ввести данные о пациенте с помощью одного из следующих четырех методов.

- Введите данные с помощью клавиатуры.
- Используйте сканер штрих-кодов.
- Введите данные из базы данных, хранящейся в системе.
- Введите данные с использованием данных о пациенте (Worklist), полученных из HIS.

ПРИМЕЧАНИЕ: Для соединения с серверами Worklist, MPPS или DICOM SR требуется дополнительное сетевое программное обеспечение DICOM (SOP-AR50-10).

### Справочная информация

7.1 Экран *Data Management* пациента на странице 188

## 2.2 Экраны для ввода данных о пациенте

### Экран ввода ID

The screenshot shows a software window titled 'ID Input'. It has a menu bar with 'Search', 'Find', 'Worklist', 'Data Management', and 'ID Input'. The 'ID Input' menu is open, showing 'ID Name'. The main area is divided into two sections: 'Patient Information' and 'Study Information'. 'Patient Information' has fields for 'Patient ID' (with a dropdown showing 'No ID'), 'Patient Name', 'Sex' (dropdown), 'Date of birth' (calendar icon), 'Age' (dropdown), 'Height' (with unit 'cm'), 'Weight' (with unit 'kg'), and 'Occupation'. 'Study Information' has fields for 'Procedure ID', 'Accession', 'Study ID', 'Study Description', 'Referring Phys', 'Reporting Phys', and 'Sonographer'. At the bottom right, there are buttons for 'Series/Image Information', 'Option...', and 'OK'.

Этот экран содержит следующие кнопки и переключатели.

| Кнопки и переключатели   | Описание                                                                                                                                                 |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Search                   | Переключает для перехода к экрану Search, позволяющему выполнить поиск информации о пациента из базы данных пациентов в системе.                         |
| Find                     | Переключает для перехода к экрану Find, позволяющему загрузить информацию о пациенте из HIS (Hospital Information System) в систему.                     |
| Worklist                 | Отображает Worklist, загруженный из HIS.                                                                                                                 |
| Data Management          | Отображает экран Data Management для управления информацией пациентов.                                                                                   |
| ID Input                 | Переключает формат экрана ввода ID в соответствии с выполняемой операцией.<br>Существуют 6 разных форматов ввода ID.                                     |
| Series/Image Information | Переключает для перехода к экрану ввода атрибутов, связанных с изображением.                                                                             |
| Option...                | Переключает для перехода к экрану ID Screen Option.<br>Устанавливает опции для Worklist или экрана ввода ID.                                             |
| OK                       | Сохраняет введенные данные и возвращает экран исследования.                                                                                              |
| Cancel                   | (отображается только когда на вкладке [Accessories] в меню функций выбран вариант [ID].)<br>Сбрасывает введенные данные и возвращает экран исследования. |

## Элементы Patient Information

Следующие элементы можно ввести в поля Patient Information. Эти элементы остаются одинаковыми, вне зависимости от формата ID Input.

Можно задать значения по умолчанию с помощью предустановки ([Preset Set-Up Menu > ID, Comment]).

| Элемент      | Описание                                                                                                                                                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Patient ID   | Позволяет ввести ID пациента.<br>Если ID не введен, то автоматически назначается ID в формате X"дата"- "время". Например, если ID не был введен в 9:25:47 20 ноября 2015 года, то будет присвоен ID "x151120-092547". |
| Patient Name | Позволяет ввести ФИО пациента.<br>При наличии 3 полей ввода введите имя пациента в следующем порядке: Family (фамилия), Given (имя) и Middle (отчество). Суммарно можно ввести до 64 символов.                        |
| Sex          | В раскрывающемся списке выбирают одно из следующих значений: M(Male), F(Female), Other, или пропуск.                                                                                                                  |



| Элемент       | Описание                                                                                                                                                                                                                                                                                                                                     |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date of birth | Позволяет ввести дату рождения пациента. Можно ввести дату с использованием календаря, отображаемого при щелчке по кнопке справа от поля Date of birth.<br>ПРИМЕЧАНИЕ: Год, введенный в формате традиционного японского летоисчисления, преобразуется в соответствующий год по западному календарю.<br>Пример: S61→1986                      |
| Age           | Значение вычисляется с использованием текущей даты и даты рождения, введенной в поле Date of birth и отображается. Возраст после рождения указывается следующим образом: до 6 дней - как "D"; до 29 дней - как "W"; до 364 дней - как "M"; далее как "Y".<br>При вводе возраста вручную дата, введенная в поле Date of birth, будет удалена. |
| Height        | Вводится в единицах измерения либо см и м, либо в футах и дюймах. Единицы измерения можно установить, используя предустановки (Unit (Height) в [Common Preset > Common1]).                                                                                                                                                                   |
| Weight        | Вводится в единицах измерения либо kg, либо lb/oz. Единицы измерения можно установить, используя предустановки (Unit (Weight) в [Common Preset] > [Common1]).                                                                                                                                                                                |
| Occupation    | Позволяет ввести род занятий пациента.                                                                                                                                                                                                                                                                                                       |

### Study Information

Study Information включает следующие элементы, которые различаются в зависимости от формата ввода ID.

The screenshot shows a form titled "Study Information". It contains the following fields:
 

- Procedure ID: [text box]
- Accession: [text box]
- Study ID: [text box with value "1"]
- Study Description: [text box]
- Referring Phys: [text box with value "{family}"], [text box with value "{given}"], [text box with value "{middle}"]
- Reporting Phys: [text box]
- Sonographer: [text box]

| Элемент           | Опции        | Описание                                                                                                                                                                                                                                             |
|-------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Procedure ID      |              | Здесь выводится ID исследования, полученный из Worklist.                                                                                                                                                                                             |
| Study ID          |              | Введите количество обследований, принятых с использованием того же номера пациента.                                                                                                                                                                  |
| Accession         | (16 цифр)    | Здесь выводится порядковый номер.                                                                                                                                                                                                                    |
| Study Description |              | Здесь выводятся элементы исследования, полученные из Worklist.                                                                                                                                                                                       |
| Referring Phys    | (до 64 цифр) | Введите имя направляющего врача.<br>Либо выберите вариант из раскрывающегося списка, либо введите посредством клавиатуры.<br>При наличии 3 полей ввода их заполняют в следующем порядке Family, Given, Middle. Суммарно можно ввести до 64 символов. |
| Reporting Phys    | (до 64 цифр) | Введите имя врача, дающего заключение.<br>Либо выберите вариант из раскрывающегося списка, либо введите посредством клавиатуры.                                                                                                                      |

Ввод данных о пациенте

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| Элемент     | Опции        | Описание                                                                                                              |
|-------------|--------------|-----------------------------------------------------------------------------------------------------------------------|
| Sonographer | (до 64 цифр) | Введите имя специалиста УЗИ.<br>Либо выберите вариант из раскрывающегося списка, либо введите посредством клавиатуры. |

При выборе поля ID Input могут быть добавлены дополнительные элементы.

### Если в поле ID Input выбрано "ID Obstetrics"

Если в поле пола выбран вариант Female или оставлен пропуск, добавляются следующие элементы.

The screenshot shows a form titled 'Obstetrics'. It contains several input fields: 'LMP' with a date picker, 'GA=' and 'EDC=' with text input fields, 'GRAV' and 'PARA' with numeric input fields, 'AB' and 'ECTO' with numeric input fields, and 'BMI' with a numeric input field.

| Элемент | Опции                       | Описание                                                                                                                                                                                                                                                                                          |
|---------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GA EDC  | LMP                         | Основываясь на date последнего менструального периода вычисляются неделя беременности и предполагаемая дата родов.<br>$GA = (\text{текущая дата} - LMP) / 7$<br>$EDC = 280 \text{ дней} + LMP$                                                                                                    |
|         | BBT                         | Недели беременности и предполагаемая дата родов вычисляются с использованием вычисленной даты овуляции.<br>$GA = (\text{текущая дата} - BBT + 14 \text{ дней}) / 7$<br>$EDC = (280 \text{ дней} - 14 \text{ дней}) + BBT$                                                                         |
|         | EGA                         | Недели беременности и предполагаемая дата родов вычисляются на основе даты прошлого исследования и недели беременности на тот момент.<br>$GA = (\text{текущая дата} - \text{дата предыдущего исследования}) / 7 + EGA$<br>$EDC = \text{Дата предыдущего исследования} + (280 \text{ дней} - EGA)$ |
|         | EDC                         | Недели беременности вычисляются на основании предполагаемой даты родов.<br>$GA = (280 \text{ дней} - (EDC - \text{текущая дата})) / 7$                                                                                                                                                            |
|         | GA                          | Предполагаемая дата родов вычисляется на основании данных о неделе беременности.<br>$EDC = \text{текущая дата} + (280 \text{ дней} - GA \times 7)$                                                                                                                                                |
| GRAV    | От 0 до 99 (целые)          | Введите количество беременностей на клавиатуре.                                                                                                                                                                                                                                                   |
| PARA    | От 0 до 99 (целые)          | Введите количество родов на клавиатуре.                                                                                                                                                                                                                                                           |
| AB      | От 0 до 99 (целые)          | Введите количество абортс или выкидышей на клавиатуре.                                                                                                                                                                                                                                            |
| ECTO    | От 0 до 99 (целые)          | Введите количество внематочных беременностей на клавиатуре.                                                                                                                                                                                                                                       |
| BMI     | (Автоматическое вычисление) |                                                                                                                                                                                                                                                                                                   |

Ввод данных о пациенте

### Если в поле ID Input выбран вариант ID Gynecology

Если в поле пола выбран вариант Female или оставлен пропуск, добавляются следующие элементы.

Gynecology

LMP  /  /  Cycle Day=  d

GRAV  PARA  AB  ECTO

BMI

BMI

| Элемент   | Опции                       | Описание                                                                         |
|-----------|-----------------------------|----------------------------------------------------------------------------------|
| Cycle Day | LMP                         | Менструальный цикл рассчитывают на основе последнего дня предыдущей менструации. |
|           | BBT                         | Менструальный цикл вычисляется на основании даты вычисленного дня овуляции.      |
| GRAV      | От 0 до 99<br>(целые)       | Введите количество беременностей на клавиатуре.                                  |
| PARA      | От 0 до 99<br>(целые)       | Введите количество родов на клавиатуре.                                          |
| AB        | От 0 до 99<br>(целые)       | Введите количество абортс или выкидышей на клавиатуре.                           |
| ECTO      | От 0 до 99<br>(целые)       | Введите количество внематочных беременностей на клавиатуре.                      |
| BMI       | (Автоматическое вычисление) |                                                                                  |

### Если в поле ID Input выбрано "ID BSA"

Выберите формулу вычисления из раскрывающегося списка, либо введите значение посредством клавиатуры.

BSA

BSA  DuBois  m<sup>2</sup>

BMI

BMI



| Элемент | Опции                       | Описание                                                                                                                                                                      |
|---------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BSA     | DuBois                      | Вычисляет площадь поверхности тела, используя формулу DuBois.<br>$BSA = 0.007184 \times H^{0.725} \times W^{0.425}$<br>BSA: m <sup>2</sup> , H: cm, W: kg                     |
|         | Boyd                        | Вычислите площадь поверхности тела, используя формулу Boyd.<br>$BSA = 0.0003207 \times H^{0.3} \times W^{(0.7285-0.0188 \times \log W)}$<br>BSA: m <sup>2</sup> , H: cm, W: g |
|         | Shintani                    | Вычислите площадь поверхности тела, используя формулу Shintani.<br>$BSA = 0.007358 \times H^{0.725} \times W^{0.425}$<br>BSA: m <sup>2</sup> , H: cm, W: kg                   |
|         | Key in                      | Введите площадь поверхности тела m <sup>2</sup> , используя клавиатуру.                                                                                                       |
| BMI     | (Автоматическое вычисление) |                                                                                                                                                                               |

#### Если в поле ID Input выбрано "ID Urology"

Если в поле пола выбран вариант Male или оставлен пропуск, добавляются следующие элементы.

Urology

Serum PSA  ng/ml

BMI

BMI

| Элемент   | Опции                       | Описание                                                         |
|-----------|-----------------------------|------------------------------------------------------------------|
| Serum PSA | (Непосредственный ввод)     | Введите величину PSA в сыворотке (ng/ml) посредством клавиатуры. |
| BMI       | (Автоматическое вычисление) |                                                                  |

#### Если в поле ID Input выбрано "ID BMI"

Добавляются следующие элементы:

BMI

BMI

| Элемент | Опции                       | Описание |
|---------|-----------------------------|----------|
| BMI     | (Автоматическое вычисление) |          |

#### Series/Image Information

Этот экран появляется при выборе [Series/Image Information] на экране ввода ID.



Performed Protocol Code Sequence

Edit

---

Series Information

Body Part Examined  Laterality

Description

---

Image Information

Image Type  Patient Orientation

---

Data set

Region Calibration  Combined Calibration

Full Attributes

---

Contrast/Bolus

Agent  Volume  ml

Route  Total Dose  ml

OK Cancel

| Элемент                          | Опции                                                                                                         | Описание                                                                                                                                                                                                                                                    |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performed Protocol Code Sequence |                                                                                                               | Используйте эту функцию при передаче отчета о содержании исследования на сервер MPPS или в данные изображения DICOM.                                                                                                                                        |
| Body Part Examined               |                                                                                                               | Выберите часть тела, которую нужно исследовать, из списка.                                                                                                                                                                                                  |
| Laterality                       |                                                                                                               | Укажите «левая» или «правая» в качестве обследуемой части тела.                                                                                                                                                                                             |
| Description                      |                                                                                                               | Введите описание изображения.                                                                                                                                                                                                                               |
| Image Type                       |                                                                                                               | Выберите тип изображения из раскрывающегося списка.                                                                                                                                                                                                         |
| Patient Orientation              | L (left)<br>R (right)<br>F (foot)<br>H (head)<br>A (anterior)<br>P (posterior)<br>\<br>(обратная косая черта) | Введите анатомическую ориентацию пациента. Укажите 2 пациента, одну для вида со стороны, а другую для вида сверху, отметив "A (anterior)", "P (posterior)", "H (head)", "F (foot)", "L (left)", and "R (right)" и вставляя между ними обратную косую черту. |
| Region Calibration               | ON                                                                                                            | Выберите этот элемент для включения информации об измерении по каждому изображению в информацию изображения.                                                                                                                                                |
|                                  | OFF                                                                                                           | Выберите этот элемент для исключения информации об измерении по каждому изображению из информации изображения.                                                                                                                                              |
| Combined Calibration             | ON                                                                                                            | Выберите этот элемент для включения информации о яркости в Region Calibration.                                                                                                                                                                              |
|                                  | OFF                                                                                                           | Выберите этот элемент для исключения информации о яркости из Region Calibration.                                                                                                                                                                            |
| Full Attributes                  | ON                                                                                                            | Выберите этот элемент для включения всей информации при записи и (или) передаче изображений.                                                                                                                                                                |
|                                  | OFF                                                                                                           | Выберите этот элемент для включения частично ограниченной информации при записи и (или) передаче изображений.                                                                                                                                               |

Ввод данных о пациенте

| Элемент    | Опции | Описание                                                              |
|------------|-------|-----------------------------------------------------------------------|
| Agent      |       | Введите название контрастирующего вещества.                           |
| Route      |       | Введите способ применения контрастирующего вещества.                  |
| Volume     |       | Введите использованную дозу контрастирующего вещества.                |
| Total Dose |       | Введите общую дозу действующих компонентов контрастирующего вещества. |

### Performed Protocol Code Sequence

Используйте эту функцию при передаче отчета о содержании исследования на сервер MPPS или в данные изображения DICOM.

### Процедура

1. Выберите [Series/Image Information] на экране ввода ID.
2. Выберите [Edit] из поля [Performed Protocol Code Sequence].  
Отображается следующий экран.

- **Scheduled Protocol Code Sequence**  
Отображает список необходимых элементов исследования, зарегистрированных в поле Worklist. The same items are also input in the Performed Protocol Code Sequence.
  - **Built in System**  
Список элементов исследования, зарегистрированных в системе по умолчанию.
  - **Performed Protocol Code Sequence**  
Отображает информацию исследования, которая будет отправлена на сервер MPPS или прикреплена к данным изображения DICOM. Если необходимые элементы исследования зарегистрированы в Worklist, информация также будет отображаться в этом списке.
3. Отредактируйте содержимое исследования.  
Добавление элемента обследования к Scheduled Protocol Code Sequence
    - a. Выберите элемент исследования из раскрывающегося списка Scheduled Protocol Code Sequence.

- b. Выберите [ADD].

**Добавление метода обследования из Built in System**

- a. Выберите метод исследования из раскрывающегося списка Built in System.  
b. Выберите [ADD].  
Выбранный метод будет добавлен к Performed Protocol Code Sequence.

**Удаление элемента обследования из Performed Protocol Code Sequence**

- a. Выберите элементы обследования, которые необходимо удалить из Performed Protocol Code Sequence.  
b. Выберите [Delete].
4. Выберите [OK].  
Введенные данные будут подтверждены, будет возвращен экран Series/Image Information.

**Настройка расширенных функций: Option**

Устанавливает расширенные функции, необходимые для ввода ID.

На экране ввода ID выберите [Option...], чтобы отобразить экран ID Screen Option. На экране расположены две вкладки: Worklist и Other.

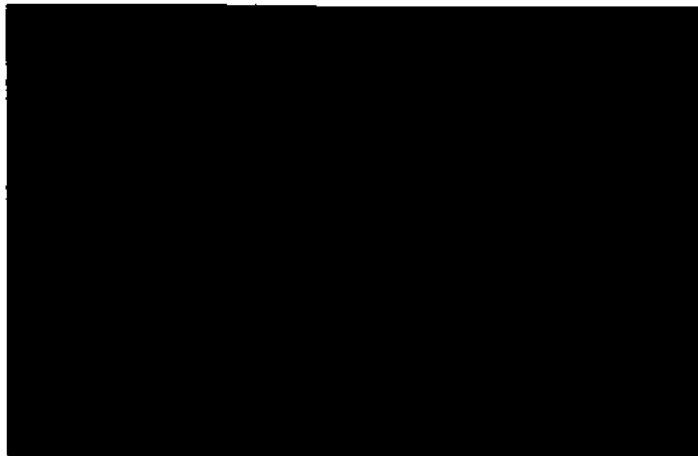
**Вкладка Worklist**



- **Query Keys**  
Установите флажки рядом с необходимыми элементами в разделе Query Keys. Выполните поиск Worklist, используя отмеченные элементы.
- **Scheduled Procedure Step Start Date**  
Если эта отметка установлена, выберите дату, начиная с которой исследования будут включаться в поиск.
  - Today
  - Today +/- 1 day: указанный, предыдущий и следующий дни
  - This week: с воскресенья до субботы, включая сегодняшний день
  - Specified date: с даты в none from до даты в none to

**Вкладка Other**

Эта вкладка позволяет установить дополнительные опции для экрана ввода ID.



1. Use split boxes for "Patient name" and "Referring Physician name".

- ☐ Устанавливает соответствующее поле ввода Patient Name и Referring Physician, по одной строке каждое.
- ☒ Поля ввода для параметров Patient Name и Referring Physician разделены на три поля, а именно поля фамилии Family, имени Given и отчества Middle.

2. Use Requested Procedure/Scheduled Procedure Step Description for Study/Series Description.

- ☐ Поля Study Description и Series Description всегда не заполнены.
- ☒ Вводит Requested Procedure Description и Scheduled Procedure Step Description, полученные из Worklist, в Study Description и Series Description. Информация Worklist отображается следующим образом.

| Данные из Worklist                                                         | Экран ввода ID<br>Study Description     | Экран ввода ID<br>Series Description    |
|----------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Requested Procedure Description<br>Scheduled Procedure Step<br>Description | Requested Procedure<br>Description      | Scheduled Procedure<br>Step Description |
| Scheduled Procedure Step<br>Description only                               | Scheduled Procedure<br>Step Description | Scheduled Procedure<br>Step Description |
| Requested Procedure Description<br>only                                    | Requested Procedure<br>Description      | Requested Procedure<br>Description      |

3. Comply to VistA

- ☐ Несовместимо с VistA (Veterans Health Information Systems and Technology Architecture, архитектура информационных систем и технологий Департамента ветеранов).
- ☒ Совместимо с VistA (Veterans Health Information Systems and Technology Architecture, медицинская информационная система и технологическая архитектура Департамента ветеранов Министерства обороны США). Результаты порядка обследований из Worklist server выводятся в отображении Worklist.



#### 4. Japanese Calendar

Для преобразования дат по японскому летосчислению в формат западного календаря зарегистрируйте первую букву названия традиционной эры по японскому летосчислению и год по западному календарю.

- a. Выберите [Japanese Calendar].
- b. Введите первую букву названия традиционной эры по японскому летосчислению и год по соответствующему западному календарю.

Чтобы зарегистрировать первую букву названия традиционной эры по японскому летосчислению и год по соответствующему западному календарю:

Выберите [Add]. В диалоговом окне ввода введите первую букву и год по соответствующему западному календарю, а затем выберите [OK].

ПРИМЕЧАНИЕ: Существует ряд ограничений на значения, вводимые в поля Starting year и First letter. В поле Starting year можно ввести год по западному календарю в диапазоне от 2019 года до года, следующего после года выполнения операции регистрации. В поле First letter можно зарегистрировать только букву, которая ранее не регистрировалась.

ПРИМЕЧАНИЕ: Можно выполнить регистрацию до двух элементов.

ПРИМЕЧАНИЕ: Чтобы убедиться, что даты по японскому календарю правильно преобразуются в даты по западному календарю, введите зарегистрированное название эры по традиционному японскому летосчислению в Date of birth на экране ID.

Чтобы удалить добавленную первую букву названия эры по традиционному японскому летосчислению и год по соответствующему западному календарю.:

Выберите элемент, который следует удалить, а затем нажмите [Delete].

ПРИМЕЧАНИЕ: Удалять можно только добавленные элементы.

#### 5. [Set Defaults]

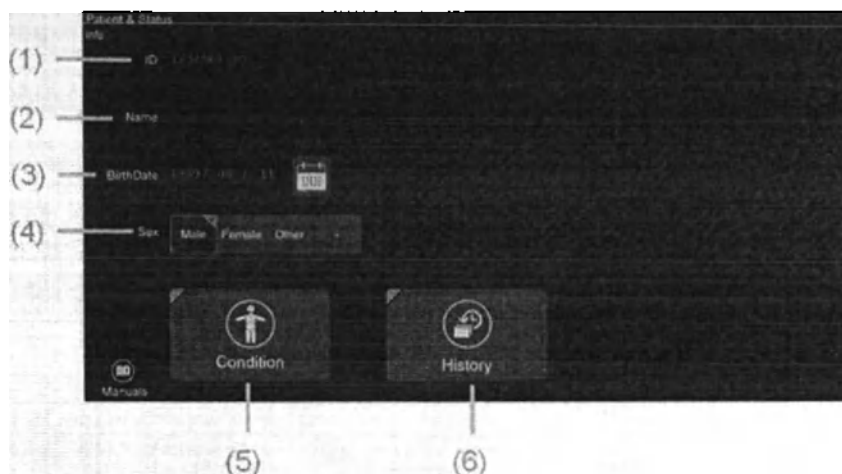
Все элементы, установленные в ID Screen Option, возвращаются к значениям по умолчанию.

## 2.3 Ввод данных о пациенте

### 2.3.1 Ввод данных о пациенте с главной страницы

#### Процедура

1. На главной странице выберите [New Patient].  
Отображается экран ввода ID.  
На сенсорной панели появляется экранная клавиатура.



- (1) поле ID                      (2) поле [Name]                      (3) поле [BirthDate]                      (4) поле [Sex]  
 (5) поле [Condition]                      (6) поле [History]

**2. Введите информацию о пациенте.**

- a. Выберите поле ID.
- b. Введите ID пациента.  
 ПРИМЕЧАНИЕ: ID пациента необходим при сохранении изображений.
- c. Выберите поле [Name] и введите имя пациента.
- d. Выберите поле [BirthDate] и введите дату рождения пациента.  
 Также можно выбрать ее из календаря.
- e. Выберите пол пациента в поле [Sex].

## 2.3.2 Ввод данных о пациенте на экране ввода ID

**ПРИМЕЧАНИЕ:** При отображении экрана ввода ID кнопка HOME недоступна.

### Процедура

1. Нажмите клавишу [New Patient].  
 Отображается экран ввода ID.  
 На сенсорной панели появляется экранная клавиатура. Можно ввести информацию о пациенте с помощью клавиатуры. Кроме того, для ввода информации о пациенте можно использовать устройство считывания карт.  
 ПРИМЕЧАНИЕ: Для использования устройства считывания карт требуется дополнительный продукт SOP-AR50-6.

2. Выберите элемент, необходимый для приложения, используя раскрывающийся список поля ID Input.

- ID Name: Введите только идентификатор, имя, возраст и пол.
- ID Obstetrics: Отображает элементы акушерского обследования в дополнение к элементам, введенным в ID Name.
- ID Gynecology: Отображает элементы гинекологического обследования в дополнение к элементам в ID Name.
- ID BSA: Отображает площадь поверхности тела в дополнение к элементам, введенным в ID Name.
- ID Urology: Отображает элементы урологического обследования в дополнение к элементам, введенным в ID Name.
- ID BMI: Отображает ИМТ в дополнение к элементам, введенным в ID Name.

3. Введите ID пациента в поле Patient ID.

- Выберите поле Patient ID.
- Используйте клавиатуру для ввода ID пациента.
- Коснитесь либо клавиши [Tab], либо клавиши [Enter] на экранной клавиатуре.

Если ID ранее был зарегистрирован, то будет отображена информация о пациенте, введенная на предыдущем визите.

4. Введите ФИО пациента в поле Patient Name, используя буквенные символы.

- Выберите поле Patient Name.
- С помощью клавиатуры введите ФИО пациента буквенными символами в следующей последовательности: фамилия, 1 пробел, имя. Можно использовать до 64 символов.

При наличии 3 полей ввода:

Введите фамилию, имя и отчество, в указанном порядке, используя не более 64 символов.

- Коснитесь либо клавиши [Tab], либо клавиши [Enter].

5. Выберите пол в поле Sex.

6. Выберите или введите день в поле Date of birth.

Для их непосредственного ввода

При использовании западного календаря вводите год четырехзначным числом.  
Например: "2011/11/20".

ПРИМЕЧАНИЕ: Год, введенный в формате традиционного японского летоисчисления, преобразуется в соответствующий год по западному календарю.

Пример: S61→1986

Для выбора даты

Выберите [▼] в правой части поля Date of birth для отображения календаря.

| November 2015 |     |     |     |     |     |     |
|---------------|-----|-----|-----|-----|-----|-----|
| Sun           | Mon | Tue | Wed | Thu | Fri | Sat |
| 25            | 26  | 27  | 28  | 29  | 30  | 31  |
| 1             | 2   | 3   | 4   | 5   | 6   | 7   |
| 8             | 9   | 10  | 11  | 12  | 13  | 14  |
| 15            | 16  | 17  | 18  | 19  | 20  | 21  |
| 22            | 23  | 24  | 25  | 26  | 27  | 28  |
| 29            | 30  | 1   | 2   | 3   | 4   | 5   |

Отобразите календарь для года и месяца рождения, а затем выберите дату рождения. После заполнения поля Date of birth поле Age отображается в форме «D» (день), «W» (неделя), «M» (месяц), «Y» (год).

Выберите отображение года, чтобы изменить год.

| November 2015 |     |     |     |     |     |     |
|---------------|-----|-----|-----|-----|-----|-----|
| Sun           | Mon | Tue | Wed | Thu | Fri | Sat |
| 25            | 26  | 27  | 28  | 29  | 30  | 31  |
| 1             | 2   | 3   | 4   | 5   | 6   | 7   |
| 8             | 9   | 10  | 11  | 12  | 13  | 14  |
| 15            | 16  | 17  | 18  | 19  | 20  | 21  |
| 22            | 23  | 24  | 25  | 26  | 27  | 28  |
| 29            | 30  | 1   | 2   | 3   | 4   | 5   |

Выберите отображение месяца, чтобы изменить месяц.

| November 2015 |     |     |     |     |     |     |
|---------------|-----|-----|-----|-----|-----|-----|
| Sun           | Mon | Tue | Wed | Thu | Fri | Sat |
| 25            | 26  | 27  | 28  | 29  | 30  | 31  |
| 1             | 2   | 3   | 4   | 5   | 6   | 7   |
| 8             | 9   | 10  | 11  | 12  | 13  | 14  |
| 15            | 16  | 17  | 18  | 19  | 20  | 21  |
| 22            | 23  | 24  | 25  | 26  | 27  | 28  |
| 29            | 30  | 1   | 2   | 3   | 4   | 5   |

7. Аналогичным образом введите информацию в другие поля.
8. После завершения ввода нажмите кнопку [OK] или клавишу [Freeze].  
Будет повторно открыт экран сканирования. Помимо вводимых данных на экране отображаются Patient Name и Patient ID.  
Если ID не введен, то ID в формате x «дата» - «время» будет назначен автоматически. Например, если время 9:25:47 20 ноября 2017 года, то будет назначен ID "x171120-092547".



## 2.3.3 Получение данных о пациенте из HIS

Можно загрузить список информации о пациенте из HIS(Hospital Information System) в систему и отобразить ее.

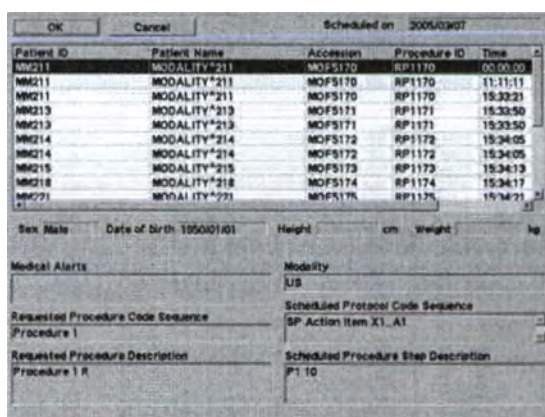
### Предварительные условия

Чтобы загрузить информацию о пациенте из HIS, система должна быть настроена для использования сетевых соединений с сервером HIS посредством предустановки ([Common Preset > DICOM Store, Send]). Для получения дополнительных сведений обратитесь к администратору системы больничной информационной сети (сотрудник ИТ).

### Процедура

1. Выберите [Find] на экране ввода ID.

Система считывает последние данные о пациенте из HIS и отображает их в Worklist.



The screenshot shows a software window titled 'Scheduled on: 2005/03/07'. It contains a table with the following columns: Patient ID, Patient Name, Accession, Procedure ID, and Time. Below the table are several form fields for patient details.

| Patient ID | Patient Name | Accession | Procedure ID | Time     |
|------------|--------------|-----------|--------------|----------|
| MM211      | MODALITY*211 | MOFS170   | RP1170       | 15:11:11 |
| MM211      | MODALITY*211 | MOFS170   | RP1170       | 15:32:21 |
| MM213      | MODALITY*213 | MOFS171   | RP1171       | 15:32:50 |
| MM213      | MODALITY*213 | MOFS171   | RP1171       | 15:33:50 |
| MM214      | MODALITY*214 | MOFS172   | RP1172       | 15:34:05 |
| MM214      | MODALITY*214 | MOFS172   | RP1172       | 15:34:05 |
| MM215      | MODALITY*215 | MOFS173   | RP1173       | 15:34:13 |
| MM218      | MODALITY*218 | MOFS174   | RP1174       | 15:34:17 |
| MM221      | MODALITY*221 | MOFS175   | RP1175       | 15:34:21 |

Below the table, there are fields for: Sex (Male), Date of Birth (1950/01/01), Height (cm), Weight (kg), Medical Alerts, Modality (US), Requested Procedure Code Sequence (Procedure 1), Scheduled Protocol Code Sequence (SP Action Item X1...A1), Requested Procedure Description (Procedure 1 A), and Scheduled Procedure Step Description (P1 10).

Информация о пациенте, введенная в систему, поддерживается вплоть до дня выполнения поиска.

В случае изменения даты или необходимости обновления информации повторно выберите [Find].

### Поиск Worklist

Позволяет выполнить поиск информации в списке, загруженном из HIS (Hospital Information System) в систему.

### Предварительные условия

Перед поиском по Worklist вначале необходимо получить данные о пациенте из HIS. Невозможно выполнять поиск, You cannot search the Worklist пока данные о пациентах не будут загружены из HIS.

### Процедура

1. Выберите [Worklist] в левом верхнем углу экрана ввода ID.  
Будет отображен Worklist. Отобразится информация о пациенте, имеющаяся в системе.
2. Поиск информации о пациенте.

### Выполнение поиска по дате обследования

Выберите дату исследования в раскрывающемся списке Scheduled on, чтобы отобразить список данных пациентов, имеющих исследования с указанной датой.

Можно выполнить сортировку по значениям Patient ID или Patient Name. Выберите вкладку Patient ID либо вкладку Patient Name.

3. Выберите имя пациента.

4. Выберите [OK].

Система извлечет информацию из Worklist.

В это время информация, полученная из Worklist, сравнивается с последней информацией о пациенте в системе для того же ID. Если Patient ID совпадает, но Patient Name, Sex или Date of birth различаются, отображается следующее сообщение.

Для использования информации о пациенте, сохраненной в системе, выберите [Built in HD]. Для использования данных Worklist выберите [Worklist].

Если данные различаются, значения будут обновлены по следующим правилам.

| Данные из Worklist                                      | Информация, используемая как данные о пациенте.                                                                                                                                                                                         |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupation, LMP, Height, Weight, BSA, EDC, BBT, GA, EGA | Система автоматически обновляет эти данные в составе данных Worklist. Если значения, извлеченные из Worklist, не содержат ни одного из таких значений, то используются значения из последних данных пациента с таким ID без обновления. |
| GRAV, PARA, AB, ECTO, PSA                               | Используют данные последнего обследования для данных о пациенте с тем же ID.                                                                                                                                                            |

| Данные из Worklist                                    | Информация, используемая как данные о пациенте.                                 |
|-------------------------------------------------------|---------------------------------------------------------------------------------|
| Study Description, Series Description, Referring Phys | Используют данные Worklist, если информация пациента была извлечена из Worklist |

После начала исследования следующие элементы изменить нельзя:

Patient ID, Patient Name, Sex, Date of birth, Age, Procedure ID, Accession, Study ID, Study Description, Referring Phys, Reporting Phys, Sonographer, Body Part Examined, Laterality, Description

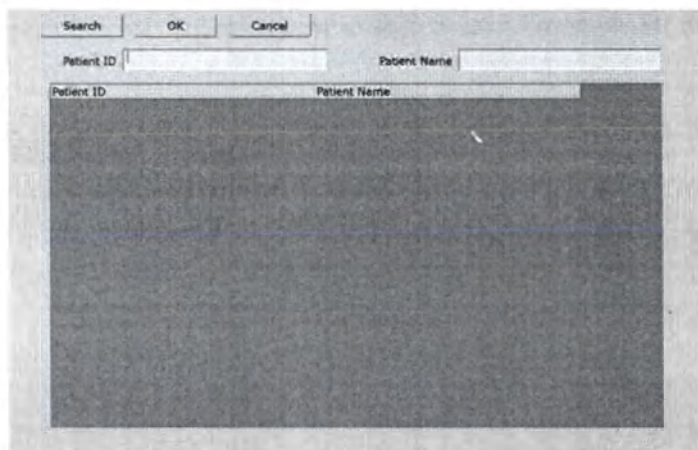
- Чтобы изменить информацию пациента после начала исследования:  
Нажмите клавишу [New Patient] и повторно выберите данные о пациенте в Worklist.
- В случае изменения даты или необходимости обновления информации:  
повторно выберите [Find].

## 2.3.4 Выполнение поиска информации о пациенте, сохраненной в системе

Выполняют поиск информации о пациенте с использованием базы данных пациента, хранящейся в системе.

### Процедура

1. Выберите [Search] на экране ввода ID.  
Откроется экран Search. Отобразится вся информация о пациенте, имеющаяся в системе.



2. Введите ключевое слово для поиска в поля Patient ID или Patient Name.  
Нечеткий поиск  
Введите символ "\*" перед или после ключевого слова, чтобы выполнить поиск с подстановочными знаками.  
Искать все  
Если в поля Patient ID или Patient Name не ввести никаких ключевых слов, то отобразится вся информация о пациентах, имеющаяся в системе.
3. Выберите [Search].  
В списке на экране отобразятся данные о пациентах, соответствующих поисковому ключевому слову.

4. Выберите необходимую информацию о пациенте.  
Выбранная информация о пациенте будет выделена синим цветом.
5. Выберите [ОК].  
Повторно появляется экран ввода ID. Выбранные данные о пациенте отображаются на экране ввода ID.





Ввод данных о пациенте

62 / MN1-6467RU ред.6

## Отображение изображений

- 3.1 В-режим
- 3.2 М-режим
- 3.3 Color Doppler-режим
- 3.4 D-режим
- 3.5 Настройка изображений
- 3.6 Adaptive Image Processing (AIP)
- 3.7 Dynamic Slow Motion Display (D.S.D.)
- 3.8 Отображение направляющих линий пункции
- 3.9 Needle Emphasis
- 3.10 Contrast Harmonic Imaging (CHI)
- 3.11 Brachytherapy
- 3.12 Вывод на экран двухплоскостных данных в реальном времени
- 3.13 Плоскость OMNI
- 3.14 3D/4D
- 3.15 Физиологические сигналы
- 3.16 Поиск

## 3.1 В-режим

В В-режиме можно отобразить любое требуемое сечение тела как томографическое изображение.

### 3.1.1 Отображение одиночного экрана: 1В

#### Процедура

1. Нажмите клавишу [В].  
Будет отображено изображение В-режима в реальном времени.
2. Приложите датчик к части тела, подлежащей обследованию.
3. Внесите необходимые корректировки для получения изображения требуемого качества.

#### Пример функций регулировки изображения

- Яркость: скорректируйте [Gain] или [TGC].
- Контрастность и иная обработка изображения: корректируется через меню функций.
- Глубина отображения: отрегулируйте поворотным регулятором [Zoom/Depth] и оптимизируйте.
- Частота: переключайте с помощью [Frequency (В/М)] в меню функций и корректируйте.

#### Для одновременного внесения корректировок в несколько изображений

Установите нужный режим, используя [IP Select (В)] в меню функций.

#### Если функция корректировки, которую требуется использовать, не включена в меню функций

Присвойте функцию корректировки меню функций, используя предустановки ([Preset Set-Up Menu > Menu- Function]).

4. После достижения нужного качества изображения нажмите клавишу [Freeze].

#### (1) Непосредственно в В

Можно переключаться непосредственно из составного режима (например, В+Color и В+Color/PW) в В-режим.

Задайте Direct to В предустановки ([Common Preset > Common1]) как один из следующих вариантов:

- Immediate  
При нажатии клавиши [В] происходит переключение в В-режим.
- 0.3 sec или 0.5 sec  
При нажатии и удерживании клавиши [В] происходит переключение в В-режим.  
При нажатии клавиши [В] происходит переключение в режим В+Color.
- Off  
Происходит переключение в режим В+Color.

### Процедура

1. Отобразите составной режим.
2. Нажмите (или нажмите и удерживайте) клавишу [B].  
Будет отображено изображение В-режима.

## 3.1.2 Отображение двойного экрана: 2В

Изображения В-режима отображаются в левой и правой части экрана. Нажмите клавишу [Select] и укажите изображения.

Временные настройки отображаемого разделенного экрана можно настроить с помощью Cine Memory Division в предустановке ([Preset Set-Up Menu > DISP-B, M]).

- Если Cine Memory Division находится в состоянии "OFF": Изображение режима 2В можно отображать в реальном времени, а изображение режима 1В, захваченное в кинопамять, можно отображать в режиме 2В, пока активна остановка изображения ((2В Mapping)).
- Если "Cine Memory Division" находится в состоянии "2" или "4": режим Dual может быть отображен в реальном времени.

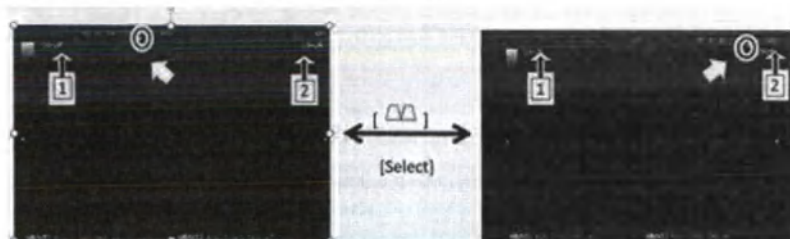
### Процедура

- Отображение экрана Dual.
  - Нажмите клавишу [Dual], чтобы отобразить двойной экран.  
Экран В-режима отображается в левой части.
- Переключение экранов.  
На экране режима 2В можно переключаться между изображением в реальном времени и остановленным изображением, или отображением (запросом) активного экрана в режиме 1В.

- **Переключение активного экрана.**

### Процедура

1. Нажмите клавишу [Select] или [Dual].  
Изображение слева останавливается, а изображение справа отображается в реальном времени.
2. Нажмите клавишу [Select] или [Dual].  
Изображение справа останавливается, а изображение слева отображается в реальном времени. После этого при каждом нажатии на клавишу [Select] или [Dual] происходит переключение состояний статического изображения или изображения в реальном времени на левой или правой сторонах экрана.

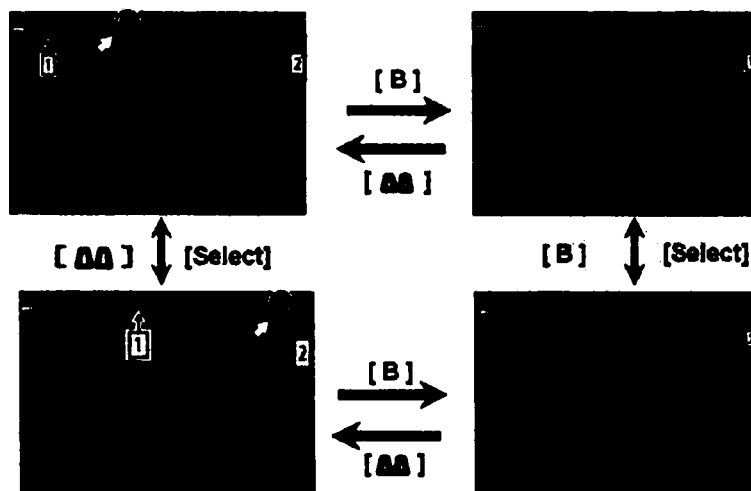




- **Создание запроса**

**Процедура**

1. Нажмите клавишу [Freeze], чтобы остановить изображение.
2. Нажмите клавишу [Select] или [Dual].  
Отметка активности переключится.
3. Нажмите клавишу [B].  
Активный экран отображается в режиме 1B.
4. Нажмите клавишу [B] или [Select].  
Будет выполнено переключение к другому изображению.



### 3.1.3 Отображение четверного экрана: 4B

Изображения B-режима отображаются на четверном экране.

**Предварительные условия**

Следующие настройки необходимо сделать, используя предустановку ([Preset Set-Up Menu]).

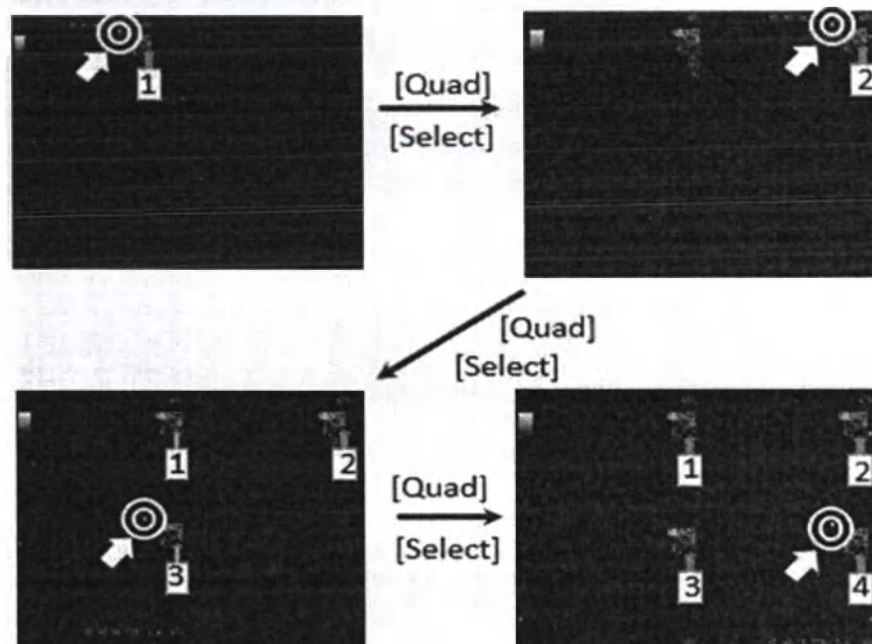
- Установите Cine Memory Division для [DISP-B, M] на значение "4".
- Присвойте функции с [Active (B1)] по [Active (B4)] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]).
- Присвойте функцию [Quad] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

**Процедура**

- Отображение экрана Quad.
  - Коснитесь программной кнопки [Quad].  
Экран разделяется на 4 области. Изображение B-режима в левой верхней части отображается в реальном времени.
  - Нажмите клавишу [Select] или коснитесь программной кнопки [Quad].

Изображение в левой верхней части остановлено (1), а в правой верхней части отображается в режиме реального времени (2).

После этого при каждом нажатии клавиши [Select] или касании программной кнопки [Quad] режим отображения в реальном времени переключается в следующем порядке: левый нижний (3), правый нижний (4) и левый верхний (1) экран.



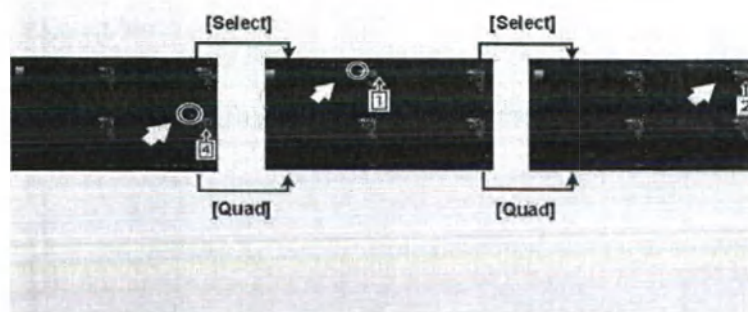
- Переключение активного экрана.

При использовании режима экрана 4В можно переключаться между изображением в режиме реального времени и остановленными изображениями.

#### Процедура

- Переключайте активность экранов по порядку.

Нажатие на клавишу [Select] или касание программной кнопки [Quad] останавливает изображение на экране, активном перед нажатием, и делает активным следующий по порядку номеров экран. После этого при каждом нажатии клавиши [Select] или касании кнопки [Quad] происходит циклическое переключение активного изображения и переключение отметки активности в следующем порядке: левый верхний (1), правый верхний (2), левый нижний (3), правый нижний (4), левый верхний (1) и т. д.

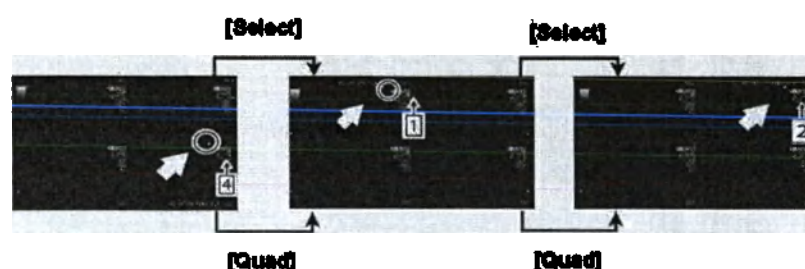


- Выберите экран и переключайте экран.

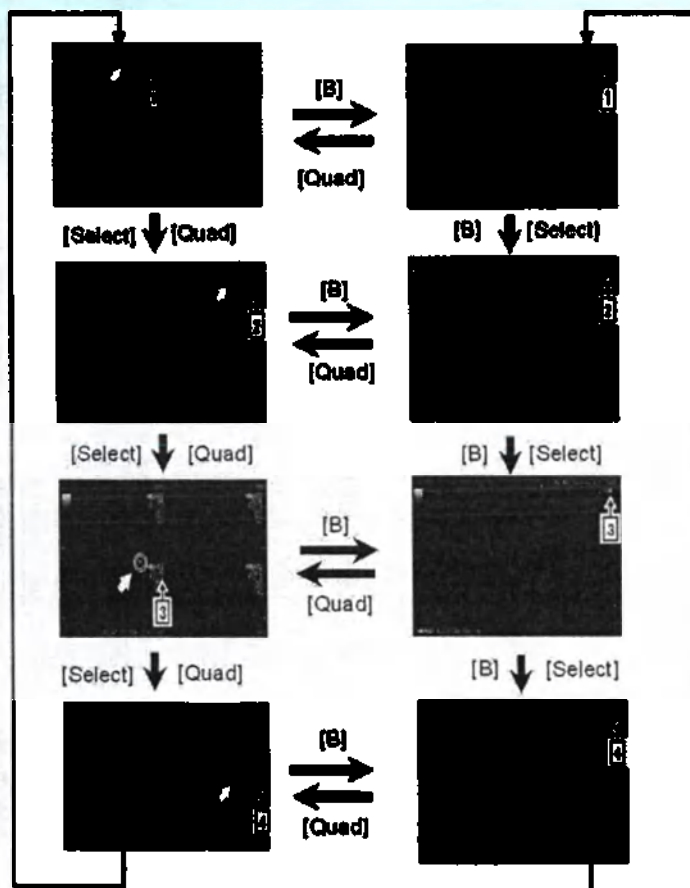
Активный экран можно переключать, выбирая вариант от [Active (B1)] до [Active (B4)] из меню функций. Выбранный экран отображается в режиме реального времени, отметка активности переключится.



- Переключайте активный экран после запроса.  
При нахождении на экране запроса нажмите клавишу [Select] или коснитесь программной кнопки [Quad], переключающих активный экран по порядку. Активный экран также можно переключать, выбирая вариант от [Active (B1)] до [Active (B4)] из меню функций на экране запроса.



- **Создание запроса**  
Отображает активный экран из отображения 4В в одноэкранный режим.  
**Процедура**
  - Переключите запрошенный экран в активный режим.
    - Нажмите на клавишу [Select] или коснитесь программной кнопки [Quad] для выбора запрошенного экрана.
    - Выберите нужный из вариантов [Active (B1)] - [Active (B4)] в меню функций.
  - Нажмите клавишу [B].  
Нажмите на клавишу [B] или [Select], чтобы переключить активный экран. После этого при каждом нажатии клавиши [B] или [Select] происходит переключение активного экрана в следующем порядке: левый верхний (1), правый верхний (2), левый нижний (3), правый нижний (4), левый верхний (1). Кроме того, экран можно переключать, выбирая вариант от [Active (B1)] до [Active (B4)] из меню функций.



## 3.2 М-режим

В М-режиме выполняется фиксация ультразвукового пучка в одной линии из изображения В-режима для вывода на экран и наблюдения за движением по линии отражателя ультразвукового сигнала во временной динамике.

В М-режиме шкала масштабируется в направлении глубины на 1 см (если отображение глубины составляет 6 см или меньше, используется значение 0.5 см, при 30 см или больше — 5 см) и в динамике по времени с шагом 0.5 сек. При отображении в реальном времени метки шкалы на изображении М-режима не выводятся.

### 3.2.1 Отображение изображений в режиме М

#### В/М-режим

В/М-режим одновременно отображает изображение В-режима и изображение М-режима. В В/М-режиме ультразвуковой пучок фиксируется на одной линии в изображениях В-режима, а перемещение ультразвуковых отражателей по этой линии отображается на экране вместе со временными изменениями.

При необходимости используйте предустановку ([Preset Set-Up Menu > Custom SW] или [Preset Set-Up Menu > Software Button]) для назначения [Full M/D] пользовательскому переключателю или программной кнопке.



## Процедура

1. Нажмите клавишу [M].  
Изображения В-режима и М-режима отображаются одновременно в реальном времени. М cursor отображается на изображении В-режима.
2. Переместите М cursor.
  - а. Воспользуйтесь трекболом для перемещения положения курсора.



Будет отображено изображение М-режима в положении М cursor.

Чтобы отобразить изображение М-режима на одиночном экране

Выберите [Full M/D].

Чтобы отобразить изображение М-режима на экране В/М-режима из отображения одиночного экрана М-режима

- Нажмите клавишу [M].
  - Выберите кнопку [Full M/D].
3. Скорректируйте усиление или контрастность.
  4. Нажмите клавишу [Freeze].  
Изображения В-режима и М-режима перейдут в состояние стоп-кадра.

### (1) Переключение активного экрана в режиме В/М

- Чтобы переключить активное изображение в режиме В/М

#### Процедура

- а. Нажмите клавишу [Select].  
Изображение М-режима станет активным, а изображение В-режима остановится.
  - б. Нажмите клавишу [Select].  
Изображение В-режима станет активным, а изображение М-режима остановится.  
Затем при каждом нажатии клавиши [Select] можно переключать активность между изображениями В-режима и М-режима.
- Для запроса одноэкранного отображения из В/М-режима  
Процедура
    - а. Нажмите клавишу [Freeze].
    - б. Выберите изображение, которое необходимо запросить.
      - Чтобы запросить изображение В-режима: Нажмите клавишу [B].
      - Чтобы запросить изображение М-режима: Выберите кнопку [Full M/D].
  - Чтобы вернуться из отображения одиночного экрана (запрос) к режиму одновременного отображения В/М

### Процедура

- а. Нажмите клавишу [M].

## (2) Отображение изображения М-режима в увеличенной форме: M Window

Изображение М-режима отображается в увеличенной форме в режиме В/М.

### Процедура

1. Будет задействован режим В/М.
2. Выберите кнопку [Cursor/B.L.S].
3. Установите диапазон отображения в М-режиме.
  - Установите размер диапазона отображения.  
Вращение поворотного регулятора [Pointer] против часовой стрелки уменьшает диапазон отображения (В-режим) и увеличивает отображение изображения М-режима.  
Вращение поворотного регулятора [Pointer] по часовой стрелке увеличивает диапазон отображения.  
После достижения максимального размера будет отображено исходное изображение В/М.
  - Установите положение диапазона отображения.  
Прокручивайте трекбол вверх или вниз для перемещения диапазона отображения вверх или вниз в положении курсора.

## (3) Настройка усиления

Корректирует усиление в М-режиме.

### Процедура

1. Поворачивайте поворотный регулятор усиления с несколькими ручками для корректировки усиления в М-режиме.
2.
  - Поворачивайте поворотный регулятор усиления с несколькими ручками вправо.  
Чувствительность изображения увеличится.
  - Поворачивайте поворотный регулятор усиления с несколькими ручками влево.  
Чувствительность изображения уменьшится.

## 3.2.2 FAM (Free Angular M)-режим

Отрисовывает линию курсора М-режима (курсор FAM) на изображении В-режима и создает изображение М-режима из информации об исследуемой области, лежащей под линией курсора.

Изображения М-режима можно создавать даже из изображений В-режима, сохраненных в кинопамять. Изображения могут быть отображены только в черно-белом варианте.

## (1) Отображение изображений в режиме FAM

Отображает курсор FAM на изображении режима 1В.

### Предварительные условия

Следующие настройки необходимо сделать, используя предустановку ([Preset Set-Up Menu]).

- Присвойте функцию [FAM] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

### Процедура

- Чтобы переключиться из режима реального времени 1В или режима В/М в режим FAM

Чтобы переключиться из В/М-режима в FAM-режим

- а. Выберите кнопку [FAM].  
Отображаются курсоры FAM и изображения FAM-режима.

Чтобы переключиться из 1В-режима в реальном времени в FAM-режим

- а. Выберите кнопку [FAM].  
Отображаются FAM-курсоры.
- б. Нажмите клавишу [M].  
Будет отображено изображение режима FAM.

- Чтобы переключиться из режима 1В (стоп-кадр) в режим FAM  
Переключите Cine Memory Division в положение "OFF" в предустановке ([Preset Set-Up Menu > DISP-B, M]).

- а. Выберите кнопку [FAM].  
Отображаются FAM-курсоры.
- б. Нажмите клавишу [M].  
Будет отображено изображение режима FAM.

- Чтобы переключить отображаемое изображение в режим FAM, используя функцию Review

Переключите Cine Memory Division в положение "OFF" в предустановке ([Preset Set-Up Menu > DISP-B, M]).

ПРИМЕЧАНИЕ: Только видеофрагменты Line, сохраненные на внутреннем HDD, можно переключить в режим FAM с помощью функции Review.

- а. Переключите изображение режима 1В в Review на отображение в полноэкранном режиме.
- б. Выберите [Playback] на вкладке [Full Screen] в меню функций, чтобы переключиться в состояние "Stop".
- с. Выберите кнопку [FAM].  
Отображаются FAM-курсоры.

- d. Нажмите клавишу [M].  
Будет отображено изображение режима FAM.

### Справочная информация

9.6.11 *Menu-Function* на странице 307

9.6.10 *Software Button* на странице 306

9.6.12 *Custom SW* на странице 308

## (2) Установка курсоров в желаемые положения

Можно установить до 3 курсоров FAM. Изображения режима FAM, соответствующие размещенным курсорам FAM, отображаются на экране отображения В/М.

### Процедура

1. Будет задействован режим FAM.  
Курсор FAM А отображается в центре изображения В-режима.
2. Установите положение курсора FAM А.
3. Установите 2-й и 3-й курсоры.
  - a. Нажмите клавишу [Enter], чтобы отобразить 2-й курсор В.
  - b. Установите положение курсора В по той же методике, которая использовалась для установки курсора А.
  - c. Чтобы отобразить 3-й курсор С, нажмите клавишу [Enter].
  - d. Установите положение курсора С по той же методике, которая использовалась для установки курсора А.  
Количество FAM-курсов  
Установите количество M cursor (2 или 3), выбрав [FAM Cursor Number] в меню функций.  
Чтобы изменить положение курсора  
Нажимая клавишу [Enter] можно циклически переключать активность курсоров по порядку А, В, С, А и т. д.  
Чтобы убрать активный FAM-курсор  
Выберите [Active FAM disp. off] из меню функций.  
Чтобы снова отобразить курсоры FAM вернитесь к этапу 3а.
- e. Если В/М-режим не отображается на экране, нажмите на клавишу [M].  
Изображение М-режима для положения курсора FAM отображается в режиме В/М. Если используются два курсора, то изображение отображаемого разделенного отображается в двух частях. Если используются три курсора, то изображение разделенного изображения отображается в трех частях.  
Чтобы вернуться к изображению 1В-режима, нажмите клавишу [В] и переключите экран.



### **(3) Отображение курсоров для изображений левого желудочка по короткой оси**

Для удобного переключения к М-режиму отображения короткой оси левого желудочка, отобразите три линии курсора (или две линии курсора) одновременно, а затем отобразите изображение FAM.

#### **Процедура**

1. Будет задействован режим FAM.
2. Переведите функцию [PSAX] в меню функций в состояние "On".  
Отображаются 2 или 3 FAM-курсора.
3. Переместите курсоры на изображение короткой оси левого желудочка.
  - Чтобы переместить: Используйте трекбол.  
FAM-курсоры перемещаются, сохраняя свою форму.
  - Чтобы повернуть: Используйте поворотный регулятор [Pointer].  
FAM-курсоры вращаются, сохраняя свою форму.

#### **Чтобы изменить количество FAM-курсоров**

Установите количество курсоров (2 или 3), выбрав [FAM Cursor Number] в меню функций.

4. Нажмите клавишу [M].  
Изображение М-режима для положения FAM-курсора отображается в В/М-режиме.  
Если используются два курсора, то изображение отображаемого разделенного отображается в двух частях. Если используются три курсора, то изображение разделенного изображения отображается в трех частях.

### **(4) Регулировка изображений FAM-режима**

Можно использовать вкладку FAM в меню функций для регулировки изображений FAM-режима, отображаемых в FAM.

#### **Изменение увеличения отображения**

Можно изменять увеличение изображения FAM-режима на основании размера изображения В-режима.

#### **Процедура**

- Изменить увеличение отображения.
  - a. Установите параметр [Trace Fit] в меню функций в состояние "OFF".
  - b. Выберите увеличение отображения в параметре [MAG (FAM)] в меню функций.
- Исправьте увеличение отображения (выровняйте длину курсора с расстоянием диагностики изображения В-режима).
  - a. Установите параметр [Trace Fit] в меню функций в состояние "On".

#### **Регулировка контрастности**

Можно регулировать контрастность изображений FAM-режима.

**ПРИМЕЧАНИЕ:** При использовании режима FAM из Review во время применения полноэкранного режима регулировка невозможна.

#### Процедура

1. Устанавливайте значения от 1 до 16 для параметра [Dynamic Range (FAM)] в меню функций.

### (5) Отключение режима FAM

#### Процедура

1. Выберите кнопку [FAM].  
Режим FAM прекращается, отображение переключается на В/М-режим.
2. При отображении курсора FAM выберите кнопку [Cursor/B.L.S].  
Режим FAM прекращается, отображение переключается на В/М-режим.

## 3.3 Color Doppler-режим

Режимы Color Flow, Power Doppler и eFlow отображают данные о потоках крови в кровеносных сосудах и полостях сердца, а также о скорости движения ткани миокарда в форме цветных наложений на изображении В-режима.

- **Color Flow-режим**  
Этот режим использует различные цвета на основе доплеровского сигнала на томографическом изображении для отображения изменений: компонента потока, движущегося к датчику, и компонента потока, движущегося от датчика.
- **Power Doppler-режим**  
Отображает цвета на изображении в соответствии с интенсивностью сигналов режима Color Doppler. Данный режим чувствителен к медленным потокам крови.
- **eFlow-режим**  
Отображает режим Power Doppler с высоким разрешением. Он пригоден для детального наблюдения за током крови.
- **Dual CF**  
Одновременно отображает цветное и черно-белое изображения рядом, в режиме реального времени.
- **Directional**  
Добавляет цвета для указания направленности к обычному отображению энергетического доплера.  
**ПРИМЕЧАНИЕ:** Отображение Directional доступно только в режиме Power Doppler и в режиме eFlow.

### 3.3.1 Отображение изображений в режиме Color Doppler

#### Предварительные условия

1. Присвойте функцию [Vel. Range (Color)] меню функций, используя предустановку ([Preset Set-Up Menu] > [Menu- Function]).
2. Присвойте функции [Power Doppler] и [eFlow] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

#### Процедура

1. Отобразите изображение В-режима.
2. Выберите режим Color Doppler.
  - Чтобы отобразить изображения в режиме Color Flow, нажмите клавишу [CF].
  - Чтобы отобразить изображения в режиме Power Doppler, нажмите программную кнопку [Power Doppler].
  - Чтобы отобразить изображения в режиме eFlow, нажмите программную кнопку [eFlow].

Данные о потоке крови будут отображены в виде цветового наложения на изображении В-режима. Компонент потока, движущийся к датчику, будет отображен красными оттенками, а компонент, удаляющийся от датчика — синими. Цветовое отображение может отличаться, в зависимости от настройки параметра Invert Color Map и других настроек.
3. Используйте трекбол для установки области потока.
4. Внесите необходимые корректировки в следующие параметры для получения изображения требуемого качества.
  - Диапазон скоростей потока  
Регулируйте его, используя [Vel. Range (Color)] в меню функций.  
Уменьшите диапазон скоростей потока для медленного потока крови.  
Увеличьте диапазон скоростей потока для быстрого потока крови. Изменение диапазона скоростей может изменить размер области потока.
  - Скорректируйте усиление, используя многофункциональный поворотный регулятор усиления.
5. Нажмите клавишу [Freeze].

#### Справочная информация

9.6.11 *Menu-Function* на странице 307

9.6.10 *Software Button* на странице 306

9.6.12 *Custom SW* на странице 308

3.3.1(2) *Установка области потока* на странице 77

#### (1) Dual CF

Режим Dual CF отображает цветное и черно-белое изображения рядом, в режиме реального времени.

## Предварительные условия

Присвойте функцию [Dual CF] меню функций, используя предустановку ([Preset Set-Up Menu] > [Menu- Function]).

## Процедура

1. Отобразите изображение В-режима.
2. Нажмите клавишу [CF].
3. Выберите [Dual CF] из меню функций.  
На левой части экрана отображается изображение В-режима в черно-белом формате, на правой стороне — изображение В-режима в цвете, в реальном времени.  
Чтобы завершить отображение Dual CF, установите для параметра [Dual CF] значение "OFF".  
Кроме того, отображение Dual CF можно закрыть, выбрав другой режим.

## (2) Установка области потока

Эта функция позволяет настроить диапазон отображения области потока. Если область потока отображается пунктирной линией, ее можно перемещать. Если область потока отображается непрерывной линией, можно изменять ее размер. Ширина области потока всегда отображается меньше, чем ширина диапазона отображения черно-белого изображения.

## Процедура

1. Отобразите изображение цветного потока.  
Область потока будет указана пунктирной линией.
2. Если для отображения TBF выводится значок, отличный от значка "Scan Area" , нажмите на [TBF] и измените его на "Scan Area".
3. Воспользуйтесь трекболом для перемещения области потока к желаемому месту.
4. Нажмите клавишу [Enter].  
Положение области потока будет подтверждено, область потока будет обозначена непрерывной линией.
5. Воспользуйтесь трекболом для изменения размера области потока (движением по вертикали для высоты и движением по горизонтали для ширины).  
Если прокрутить трекбол вверх или вниз, будет изменена высота области потока. Если прокрутить трекбол влево или вправо, будет изменена ширина области потока.
6. Нажмите клавишу [Enter].  
Изменённые высота и ширина будут подтверждены, область потока будет обозначена пунктирной линией.
7. Повторите шаги с 3 по 6, чтобы настроить область потока.  
Если область потока окажется больше отображаемой ширины черно-белого изображения, то отображаемая ширина черно-белого изображения будет скорректирована до совпадения с размером области потока.



### (3) Отображение цветных пикселей на отображаемом наложении.

#### Предварительные условия

Предварительно нужно задать следующие параметры.

- Присвойте функцию [Accumu. Imaging] меню функций.
- Присвойте функцию [Accumu. Time] меню функций.

Накапливает данные цветных пикселей за время, указанное в параметре Accumulation Time, а затем отображает изображение в форме наложения.

#### Процедура

1. Отобразите изображение режима Color Doppler.
2. Переведите функцию [Accumu. Imaging] в состояние On.
3. Установите время накопления параметром [Accumu. Time].
4. Чтобы завершить операцию, установите для параметра [Accumu. Imaging] значение Off.

#### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

## 3.4 D-режим

В D-режимах отображаются данные о потоке крови в сердце и кровеносных сосудах, полученные с использованием эффекта Доплера. При этом данные о потоке крови отображаются в виде кривых.

В/D-режим одновременно отображает изображение В-режима и изображение D-режима. Можно получить информацию о кровотоке на изображении D-режима, проверяя изображение В-режима на предмет того, из какой части тела поступает обнаруженная информация о кровотоке.

В D-режиме имеются следующие 2 типа.

- PW-доплер  
Пучки ультразвука испускаются в виде дискретных импульсов для вывода на экран изображения в D-режиме. Этот тип исследования позволяет получить данные о потоке крови в любой точке изображения в В-режиме.
- CW-доплер  
Пучок ультразвука испускается в непрерывном режиме для вывода на экран изображения в D-режиме. При подключении управляемого датчика, совместимого с CW, направлением передачи ультразвуковых сигналов можно управлять. CW-режим Доплера позволяет выявить пиковую скорость потока, поскольку он получает сигналы со всех глубин, но не дает информации о положении.

### 3.4.1 Отображение кривой Doppler

Воспользуйтесь приведенными ниже шагами для отображения доплеровской кривой.

#### Предварительные условия

При необходимости назначьте следующие функции.

- Присвойте функции [Sample Volume], [Vel. Range (D)] и [Doppler Gamma] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]).
- Присвойте функцию [Full M/D] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

#### Процедура

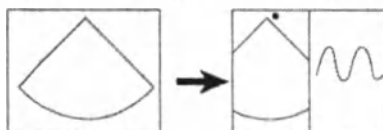
1. Отобразите изображение В-режима (1В).

2. Нажмите клавишу [PW] или клавишу [CW].

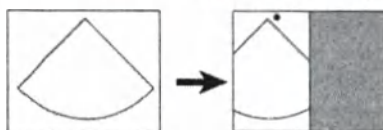
При этом экран переключится в режим В/D.

В режиме PW можно включить следующие варианты.

- Если Triplex Mode в [Preset Set-Up Menu > DISP-D, Color] задан как "Triplex": В реальном времени отображаются изображение В-режима и кривая PW.

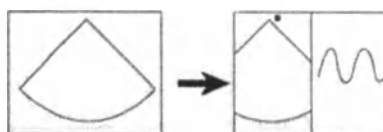


- Если Triplex Mode в [Preset Set-Up Menu > DISP-D, Color] задан как "B-Real": Изображение В-режима отображается в реальном времени, а вместо изображения D-режима отображается пустое поле.



Если сконфигурировать настройки контрольного объема, а затем нажать клавишу [Select], то будет отображено изображение D-режима.

- Если Triplex Mode в [Preset Set-Up Menu > DISP-D, Color] задан как "D-Real": Если отображается курсор: изображение В-режима переходит в режим стоп-кадра, а изображение D-режима отображается в реальном времени. Если курсор не отображается: Изображение В-режима отображается в реальном времени, а вместо изображения D-режима отображается пустое поле.



3. Воспользуйтесь трекболом для корректировки контрольного объема в соответствии с требуемым положением определения скорости на изображении В-режима.

Чтобы скорректировать размер контрольного объема (эта операция недоступна в режиме CW)

- a. Воспользуйтесь функцией [Sample Volume] в меню функций для регулировки размера контрольного объема.
4. Внесите необходимые корректировки для получения изображения требуемого качества.
- Для корректировки разницы угла (корректировка угла) между углом направления и кровеносным сосудом:  
Используйте [Angle Correction] в меню функций, чтобы скорректировать усиление.
  - Чтобы скорректировать диапазон скоростей: внесите корректировки, используя [Vel. Range (D)] в меню функций.
  - Скорректируйте усиление, используя многофункциональный поворотный регулятор усиления.
  - Для корректировки контрастности: внесите корректировки, используя [Doppler Gamma] в меню функций.
  - Устраните ступенчатое искажение (алайсинг).

Регулировка базовой линии

- a. Выберите кнопку [Cursor/B.L.S].
- b. Поворачивайте поворотный регулятор [Pointer], чтобы отрегулировать положение базовой линии.

Чтобы вернуть базовую линию к исходному положению (положению, заданному в настройке предустановки)

Повторно нажмите кнопку [Cursor/B.L.S].

Отображение только изображений D-режима

Чтобы отображать изображения D-режима в реальном времени на одиночном экране, выберите программную кнопку [Full M/D].

5. После достижения нужного качества изображения нажмите клавишу [Freeze] для получения статичного изображения.

Изображения В-режима и D-режима перейдут в состояние стоп-кадра.

## 3.4.2 TDI-режим

Режим Tissue Doppler Imaging (TDI) — это вариант доплеровского отображения, применяемый для визуализации движений, например, миокарда. Он отличается от обычного доплеровского отображения, которое предназначено для отображения потока крови.

### Предварительные условия

Предварительно нужно задать следующие параметры.

- Присвойте функции [TDI] и [Power Doppler] программным кнопкам.

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Directional] и [Vel. Range (Color)] меню функций.

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

### Процедура

1. Вывод на экран изображения В-режима в реальном времени.
2. Выберите режим Flow.  
Чтобы отобразить изображения в режиме TDI Color, нажмите клавишу [CF].  
Чтобы отобразить изображения в TDI Power Doppler, нажмите программную кнопку [Power Doppler].  
Чтобы отобразить изображения в режиме TDI PW, нажмите клавишу [PW].  
Чтобы отобразить изображения в TDI Directional Power Doppler, выберите [Directional] в меню функций.
3. Выберите программную кнопку [TDI].  
Будут отображены изображения режима TDI.
4. Внесите необходимые корректировки в следующие параметры для получения изображения требуемого качества.
  - Диапазон скоростей потока  
Регулируйте его, используя [Vel. Range (Color)] в меню функций.  
Уменьшите диапазон скоростей для медленно движущихся тканей. Увеличьте диапазон скоростей для быстро движущихся тканей. Изменение диапазона скоростей может изменить размер области потока.
  - Скорректируйте усиление потока, используя поворотный регулятор [Pointer].
5. После достижения нужного качества изображения нажмите клавишу [Freeze].  
Изображение будет остановлено.

### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.10 Software Button на странице 306

9.6.12 Custom SW на странице 308

## 3.5 Настройка изображений

### 3.5.1 Настройка изображений

#### (1) Настройка усиления

##### (а) Настройка усиления изображения В-режима

#### Процедура

- Для настройки усиления изображения В-режима используйте поворотный регулятор [Freeze].



- Поворачивайте поворотный регулятор [Freeze] вправо.  
Изображение будет становиться более ярким.
- Поворачивайте поворотный регулятор [Freeze] влево  
Изображение будет становиться менее ярким.
- Настройте усиление для каждой глубины.  
Можно настроить усиление как для изображения В-режима, так и для изображения М-режима. Имеется 8 ползунков, позволяющих корректировать чувствительность на глубине для каждого режима.  
Используйте ползунки [TGC] для регулировки на желательной глубине.
  - a. Выберите TGC на сенсорной панели.  
Переместите ползунок [TGC] вправо, чтобы сделать изображение более ярким. Переместите ползунок [TGC] влево, чтобы сделать изображение более темным.
  - b. Для одновременной установки всех элементов  
Если провести пальцем через все ползунки сверху вниз, они примут положения в соответствии с кривой, проведенной пальцем.  
Для возвращения всех ползунков к центру:

Выберите



#### (b) Настройка усиления изображения М-режима

Чтобы скорректировать усиление для изображений М-режима, выполните следующую процедуру.

##### Процедура

- Поворачивайте поворотный регулятор усиления с несколькими ручками для корректировки усиления в М-режиме.
  - Поворачивайте поворотный регулятор усиления с несколькими ручками вправо.  
Чувствительность изображения увеличится.
  - Поворачивайте поворотный регулятор усиления с несколькими ручками влево.  
Чувствительность изображения уменьшится.

#### (c) Настройка усиления изображения D-режима

Скорректируйте усиление в режимах PW, CW, и TD-PW.

##### Процедура

- Поворачивайте поворотный регулятор усиления с несколькими ручками для корректировки усиления в D-режиме.  
Кроме того, поворотный регулятор усиления с несколькими ручками можно использовать для регулировки усиления в режимах CW и TD-PW.

## **(d) Регулировка усиления изображения в режиме Color Doppler**

Скорректируйте усиление в режимах Color Flow, Power Doppler и eFlow.

### **Процедура**

- Поворачивайте поворотный регулятор усиления с несколькими ручками для корректировки усиления в режиме Color Doppler.

## **(2) Auto Optimizer**

Оптимизирует элементы, указанные в предустановках усиления (B [M]) и Dop Vel./Baseline.

Используйте Target в предустановке ([Preset Set-Up] > [Auto-optimizer]) для задания автоматической регулировки элементов.

Используйте Brightness Level, чтобы скорректировать целевое значение усиления (B [M]).

ПРИМЕЧАНИЕ: Во время операции Auto Optimizer кнопка HOME недоступна.

### **Предварительные условия**

Для выполнения автоматической настройки изображений в В- или М-режимах назначьте следующие элементы для меню функций.

- [Brightness Level]
- [Reset Brightness]

### **Процедура**

- Нажмите клавишу [Auto-optimizer] для изображения режима В или М.  
Будет выполнена автоматическая корректировка усиления.  
Целевые значения яркости для режима В или М можно переключать на вариант Auto или корректировать в диапазоне от 40 до 80 с помощью функции [Brightness Level]. Установите целевое значение в [Brightness Level].
- Нажмите клавишу [Auto-optimizer] для изображения режима D.  
Будет выполнена автоматическая корректировка диапазона скоростей и базовой линии доплеровского сигнала.  
Используйте Base Line Position в предустановке ([Preset Set-Up Menu] [Auto-optimizer]), чтобы установить положение базовой линии доплеровского сигнала.

## **(3) Переключение частот**

### **(a) Переключение частот передачи**

Переключение частот передачи в В- или М-режимах в реальном времени.

### **Предварительные условия**

Присвойте функцию [Frequency (B/M)] меню функций.

## Процедура

- Используйте [Frequency (B/M)] в меню функций, чтобы переключить частоту передачи.

## Справочная информация

9.6.11 Menu-Function на странице 307

### (b) Переключение опорной частоты

Переключает опорную частоту во время частотного анализа.

## Предварительные условия

Присвойте функции [Ref. Frequency (D)] или [Ref. Frequency (Color)] меню функций.

## Процедура

- Используйте [Ref. Frequency (D)] или [Ref. Frequency (Color)] в меню функций, чтобы переключить частоту передачи.

## Справочная информация

9.6.11 Menu-Function на странице 307

### (4) Настройка положения фокуса

Изменяет точки фокусировки, используемые при излучении пучка ультразвука.

Эта функция фокусирует пучок ультразвука в результате чего изображение оказывается более чистым. Невозможно установить состояние Off для всех точек фокусировки. Одна из точек всегда будет установлена как точка фокусировки. В изображениях В-режима используются точки передачи F1–F8, которые разделяют максимальное диагностическое расстояние по длине на 8 частей. Фокус можно установить в любых 3 или меньше из этих точек.

В случае изображения М-режима одна оптимальная точка фокусировки устанавливается около середины диапазона отображения. Точки фокусировки различаются в зависимости от глубины отображения. Если отображается только изображение М-режима, то действует такой же принцип.

Если отображается изображение режима В/D, то устанавливается одна точка фокусировки, соответствующая контрольному объему.

Если изображение М-режима или изображение D-режима при отображении В/\* остановлено, то для изображения В-режима можно настроить фокусировку на нескольких уровнях.

Положение фокусировки нельзя переместить глубже самой дальней точки глубины отображения.

ПРИМЕЧАНИЕ: При установлении нескольких точек фокусировки можно получить изображение с большим разрешением, однако частота кадров при этом снизится.

### Предварительные условия

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Focus (B)] меню функций.

### Процедура

1. Выберите метод установки точек фокусировки с помощью функции [Focus (B)] в меню функций.
2. Установить положение фокусировки передачи.
  - a. Если для отображения TBF выводится значок, отличный от значка "Focus", нажмите на клавишу [TBF] и измените его на "Focus".
  - b. Воспользуйтесь трекболом для перемещения положения фокуса передачи.

Чтобы изменить расстояние между точками фокусировки (фокусировка с несколькими точками)

Поворачивайте поворотный регулятор [Pointer] для корректировки расстояния.

### Справочная информация

9.6.11 Menu-Function на странице 307

## 3.5.2 Переключение диапазона отображения

Глубина отображения переключается в зависимости от точки передачи отображенного изображения.

Глубина является общей для изображений В- и М-режимов. Глубина отображения остается равной последнему настроенному значению даже при изменении режима. Глубину отображения остановленного изображения изменить нельзя.

### (1) Изменение диапазона отображения

Глубина отображения переключается в зависимости от точки передачи отображенного изображения.

#### Предварительные условия

Установите для параметра Zoom значение Off.

Отмените остановку изображения и переключитесь в режим реального времени.

#### Процедура

- Поворачивайте поворотный регулятор [Zoom/Depth], чтобы изменить диапазон отображения.
  - Поворачивайте поворотный регулятор [Zoom/Depth] вправо, чтобы уменьшить отображаемый диапазон.
  - Поворачивайте поворотный регулятор [Zoom/Depth] влево, чтобы расширить отображаемый диапазон.



ПРИМЕЧАНИЕ: Для разных датчиков верхний и нижний пределы диапазонов отображения различаются.

## (2) Установка Scan Area

Этот параметр задает область сканирования для изображений В-режима. Уменьшение области сканирования может увеличить частоту кадров. Если область сканирования меньше максимальной возможной области сканирования, то ее можно перемещать влево или вправо с помощью трекбола.

### Предварительные условия

- Если для отображения TBF выводится значок, отличный от значка "Scan Area", нажмите на клавишу [TBF] и измените его на "Scan Area".

### Процедура

1. Установите для отображения TBF значение "Scan Area".
2. Установите область сканирования.  
Чтобы изменить область сканирования:  
Воспользуйтесь поворотным регулятором [Pointer] для увеличения или уменьшения области сканирования.  
Чтобы переместить область сканирования:  
Воспользуйтесь трекболом для перемещения области сканирования. Область сканирования можно изменить даже после ее перемещения.

### Справочная информация

9.6.12 Custom SW на странице 308

## (3) Изменение разметки вида двойного экрана

### Предварительные условия

Присвойте функцию [B/\* Format] меню функций.

### Процедура

- Выберите [B/\* Format].  
При использовании варианта [U/L] томографическое изображение выводится сверху, а изображение развертки — снизу.  
При использовании варианта [L/R] томографическое изображение выводится слева, а изображение развертки — справа.

### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

#### **(4) Регулировка положения базовой линии для градации цветного отображения**

##### **Предварительные условия**

Присвойте функцию [Baseline Shift (Color)] меню функций.

##### **Процедура**

- Скорректируйте положение 0 cm/s, используя положение [Baseline Shift (Color)].

##### **Справочная информация**

9.6.11 Menu-Function на странице 307

#### **(5) Изменение скорости движения экрана в режиме развертки**

##### **Предварительные условия**

Присвойте функции [Sweep Speed (M)] или [Sweep Speed (D)] меню функций.

##### **Процедура**

- В М-режиме измените скорость развертки, используя функцию [Sweep Speed (M)] в меню функций.
- В режимах PW или CW измените скорость развертки, используя функцию [Sweep Speed (D)] в меню функций.

##### **Справочная информация**

9.6.11 Menu-Function на странице 307

#### **(6) Смещение базовой линии по вертикали**

Эта функция регулирует положение базовой линии (0cm/s) доплеровской кривой.

##### **Предварительные условия**

Присвойте функцию [Baseline Shift (D)] меню функций.

##### **Процедура**

- Используйте [Baseline Shift (D)] в меню функций, чтобы настроить положение 0 cm/s.

##### **Справочная информация**

9.6.11 Menu-Function на странице 307

#### **(7) Изменение диапазона скорости**

Устанавливает диапазон скоростей D-режима или в режиме Color Flow. Диапазон скоростей различается в зависимости от режима и условий эксплуатации.

### Предварительные условия

Присвойте функции [Vel. Range (D)] или [Vel. Range (Color)] меню функций.

### Процедура

- В режимах PW или CW скорректируйте значение, используя функцию [Vel. Range (D)] в меню функций.
- В режиме Color Doppler (CF, Power Doppler, или eFlow) скорректируйте значение с помощью [Vel. Range (Color)].

### Справочная информация

9.6.11 Menu-Function на странице 307

## 3.5.3 Поворот или инвертирование изображений

### (1) Поворот томографических изображений

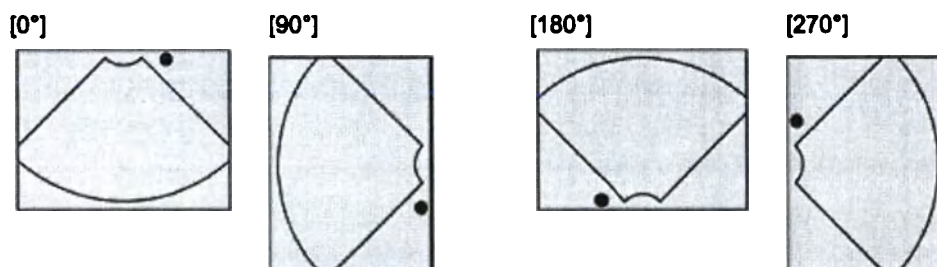
Поворачивает изображение В-режима, используя его центр как ось вращения, с шагом по 90°. Метки, связанные с изображением (метка активности, курсоры и т. п.) поворачиваются вместе с изображениями.

### Предварительные условия

Присвойте функцию [Image Rotation] меню функций.

### Процедура

- Поверните томографическое изображение, используя функцию [Image Rotation]. В зависимости от значения, отображается следующая картина.



### Справочная информация

9.6.11 Menu-Function на странице 307

### (2) Инвертирование томографических изображений

### Предварительные условия

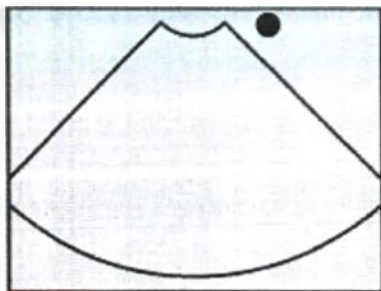
Присвойте функции [Invert L/R] или [Invert U/L] меню функций.

### Процедура

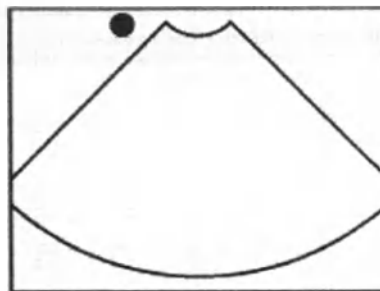
- Выберите [Invert L/R] в меню функций.

Томографическое изображение инвертируется в направлении L/R.

Off

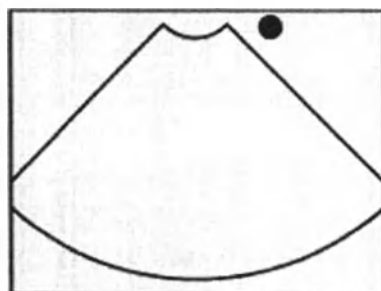


On

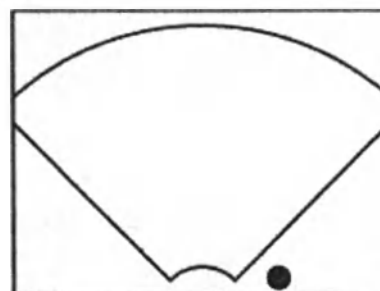


- Выберите [Invert U/L] в меню функций.  
Томографическое изображение инвертируется по вертикали.

Off



On



#### Справочная информация

9.6.11 Menu-Function на странице 307

### 3.5.4 Инвертирование доплеровского сигнала и цветов

#### (1) Инвертирование отображения кривой сигнала

Отображает изображение D-режима, инвертированное по вертикали относительно базовой линии.

#### Предварительные условия

Присвойте функцию [Invert Spectrum] меню функций.

#### Процедура

- Выберите [Invert Spectrum] в меню функций.

#### Пример отображения

Верхняя и нижняя стороны отображаемой кривой инвертируются относительно оси, установленной параметром Invert Axis в предустановке ([Preset Setup] > [Doppler1]).

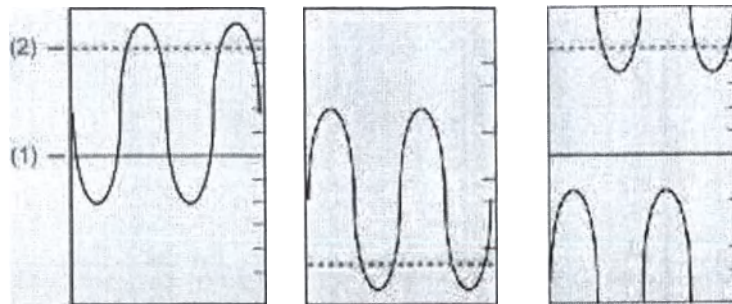
|                   |     |          |             |
|-------------------|-----|----------|-------------|
| [Invert Spectrum] | Off | On       | On          |
| [Invert Axis]     | н/д | [Center] | [Base Line] |



Пример отображения

(1) — центральная линия

(2) — базовая линия



Если для параметра Invert Link в предустановке установлено значение On ([Preset Setup] > [Display2]), то полярность цвета инвертируется в соответствии с параметром [Invert Spectrum].

### Справочная информация

9.6.11 Menu-Function на странице 307

## (2) Инвертирование полярности цвета

Карту цвета можно инвертировать, используя параметры Color Flow, Directional Power Doppler, Directional eFlow, TDI Color и TDI Directional Power Doppler.

### Предварительные условия

Присвойте функцию [Invert Color Map] меню функций.

### Процедура

- Выберите [Invert Color Map] в меню функций. Полярность цвета инвертирована.

[Invert Color Map]

Off



On



Если для параметра Invert Link в предустановке установлено значение On ([Preset Setup] > [Display2]), то полярность цвета инвертируется в соответствии с параметром [Invert Spectrum].

### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

## 3.5.5 Масштабирование изображений

Используйте эту функцию, чтобы увеличить часть изображения.

Существует 2 способа масштабирования изображений.

- Масштабирование Center: изображение увеличивается относительно центра.
- Масштабирование Box: отображает ROI для вывода увеличиваемой области; изображение внутри ROI будет увеличено.

## (1) Масштабирование Center

### Предварительные условия

Для установки значения "Center" для параметра Zoom Method используйте предустановку ([Preset Set-Up Menu> DISP-B, M]).

### Процедура

1. Начало масштабирования.
  - Нажмите на поворотный регулятор [Zoom/Depth], чтобы активировать функцию масштабирования.
2. Масштабируйте и перемещайте изображение.
 

Увеличение и уменьшение изображений  
Поворачивайте поворотный регулятор [Zoom/Depth], чтобы изменить масштаб изображения.

Перемещение изображения  
Прокрутите трекбол вверх, вниз, вправо или влево.

Возвращение исходного размера изображения  
Нажмите на поворотный регулятор [Zoom/Depth].

## (2) Масштабирование Box

Эта функция отображает увеличенную ROI.

### Предварительные условия

Для установки значения Box для параметра Zoom Method используйте предустановку ([Preset Set-Up Menu> DISP-B, M]).

### Процедура

1. Начало масштабирования.
  - Нажмите на поворотный регулятор [Zoom/Depth], чтобы активировать функцию масштабирования.
2. Скорректируйте ROI.
 

Чтобы переместить ROI  
Прокрутите трекбол вверх, вниз, вправо или влево.

Чтобы скорректировать размер ROI  
Поверните поворотный регулятор [Pointer].
3. Увеличьте изображение.
  - а. Нажмите клавишу [Enter].  
Будет отображено масштабированное изображение.  
Возвращение исходного размера изображения

Нажмите на поворотный регулятор [Zoom/Depth].

### (3) Переключение между вариантами масштабирования Center и Box

#### Процедура

- При масштабированном изображении нажмите [Enter].  
Выполняет переключение между вариантами масштабирования Center и Box.  
При каждом нажатии [Enter] происходит переключение между вариантами масштабирования Center и Box.

## 3.5.6 Tissue Harmonic Imaging (THI)

Существует два типа визуализации Tissue Harmonic Imaging: Filter-method Tissue Harmonic Imaging (FmT) и Wide-band Tissue Harmonic Imaging (WbT).

ПРИМЕЧАНИЕ: Режим THI не доступен при использовании некоторых датчиков. Меню, связанные с режимом THI, невозможно выбрать, если используемый датчик не поддерживает THI.

### (1) Отображение в режимах FmT и WbT

Происходит прием на частотах, составляющих  $2 \times$  от частоты передачи, после чего отображается изображение.

Режим FmT/WbT можно применить в режимах отображения B (B+Color), M (M+Color), или B/\*.

#### Предварительные условия

- Присвойте функции [FmT] или [WbT] меню функций.

#### Процедура

1. Выберите [FmT] или [WbT] из меню функций.  
Отображение частоты передачи  
В предустановке ([Common Preset > Common1]) установите для параметра Frequency Information значение "Transmit".  
Отображение частоты приема  
В предустановке ([Common Preset > Common1]) установите для параметра Frequency Information значение "Receive".  
Автоматически отображаемая частота приема будет выделена.  
Для отмены применения режимов FmT или WbT установите для них значение Off.

## 3.5.7 Compound-режим

Пучки ультразвука, направляемые под разными углами, объединяются для уменьшения артефактов направления ультразвуковой экспонетрии, таких как боковые лепестки, многочисленное эхо и зернистость.

### Предварительные условия

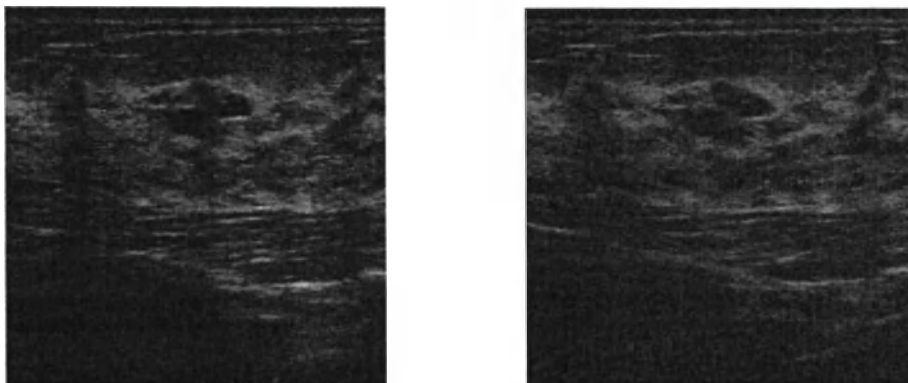
Присвойте функцию [Compound] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]).

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

При работе в режимах В/М или В/Д или при выполнении Trapezoidal scanning функцию [Compound] выбрать нельзя.

### Процедура

1. Отобразите изображение в В-режиме.
2. В меню функций установите для параметра [Compound] значение "On".  
Пример отображения: Слева: для параметра [Compound] установлено значение Off, справа: для параметра [Compound] установлено значение On



Для отмены отображения измените значение параметра [Compound] на "OFF".

### (1) Корректировка составного отображения

Далее описывается настройка угла составного отображения посредством параметра Angle (Compound).

### Процедура

Если функция [Angle (Compound)] не была присвоена меню функций, присвойте ее через предустановку ([Preset Set-Up Menu > Menu-Function]).

### Процедура

1. Измените значение параметра [Compound] на "On" в режиме В.
2. Установите угол смешивания, используя [Angle (Compound)] в меню функций.  
Угол можно менять в диапазоне от 5 до 30, с шагом по 5°. Возможное значение угла зависит от датчика.

## 3.5.8 Trapezoidal scan

Отображает изображение в трапециевидной форме с помощью линейного датчика и увеличивает азимутальное направление поля зрения.



### Предварительные условия

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

Присвойте функцию [Trapezoidal Scanning] меню функций.

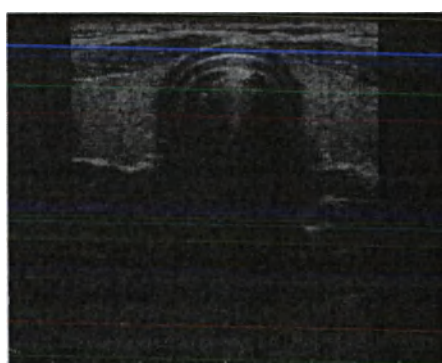
ПРИМЕЧАНИЕ: При работе в режимах В/М или В/D или при выполнении Compound функцию [Trapezoidal Scanning] выбрать нельзя.

### Процедура

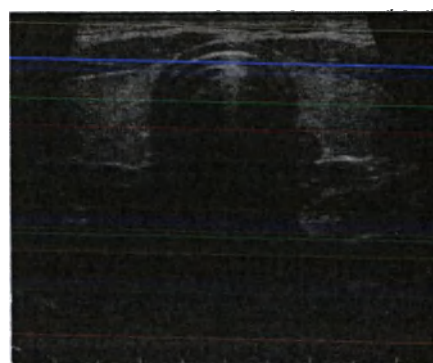
1. Отобразьте изображение в В-режиме.
2. Установите параметр [Trapezoidal Scanning] в меню функций в состояние "On".  
Изображение отображается в трапециевидной форме.

### Пример отображения

Таблица 1. Пример Trapezoidal Scanning



[Trapezoidal Scanning]: Off



[Trapezoidal Scanning]: On

Для отмены отображения повторно выберите [Trapezoidal Scanning] и установите значение "Off".

### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

## 3.5.9 Настройка направления ультразвукового пучка

Данный параметр изменяет угол отклонения ультразвукового луча (beam steering) на электронном линейном датчике.

### Предварительные условия

Поддерживается только линейный датчик. См. отдельный документ «Руководство по эксплуатации».

Установите следующие необходимые меню для меню функций.

- [Beam Steer (B)]
- [Beam Steer (D)]
- [Beam Steer (Color)]

## Процедура

1. Переключение в режим реального времени.
2. Установите угол отклонения.
  - Используйте функцию [Beam Steer (B)] для регулировки изображений В-режима.
  - Используйте функцию [Beam Steer (D)] для регулировки изображений D-режима.
  - Используйте функцию [Beam Steer (Color)] для регулировки изображений Color Doppler-режима.

ПРИМЕЧАНИЕ: Диапазон угла отклонения различается в зависимости от датчика.

## Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

## 3.6 Adaptive Image Processing (AIP)

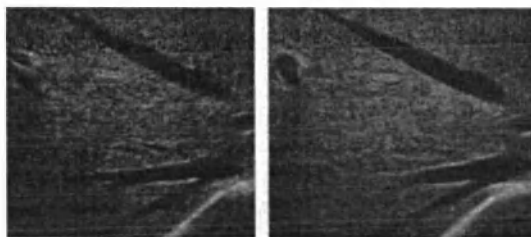
Функция Adaptive Image Processing (AIP) объединяет обработку, направленную на выявление и выделение существующих границ сред с разными свойствами, и обработку, направленную на удаление зернистости, для более четкого отображения структур и изменений свойств тканей.

### Предварительные условия

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [AIP] меню функций.

### Процедура

1. Отобразите изображение в В-режиме.
2. Выберите [AIP] из меню функций.



**Пример отображения:** Слева: AIP OFF; справа: AIP ON  
Чтобы отменить AIP, повторно выберите [AIP] в меню функций.

### 3.6.1 Настойка изображений AIP

Имеются 2 элемента, которые можно использовать для настройки изображений AIP, AIP Edge Sens и AIP Resolution.

|                |           |                                                                                                                                                     |
|----------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| AIP Edge Sens  | От 1 до 8 | Устанавливает уровень чувствительности выявления границ сред с разными свойствами от "1" до "8".<br>Чем больше значение, тем выше чувствительность. |
| AIP Resolution | От 1 до 8 | Увеличивайте значение для улучшения пространственного разрешения. Уменьшайте значение для устранения зернистости.                                   |

AIP Level представляет собой настройку для выбора набора (от 1 до 6) комбинаций значений параметров AIP Edge Sens и AIP Resolution.

Присвойте функцию AIP Level меню функций с помощью предустановки ([Preset Set-Up Menu>Menu-Function]) и внесите необходимые поправки.

## 3.7 Dynamic Slow Motion Display (D.S.D.)

В режиме D.S.D. изображения в реальном времени и замедленные изображения отображаются друг возле друга.

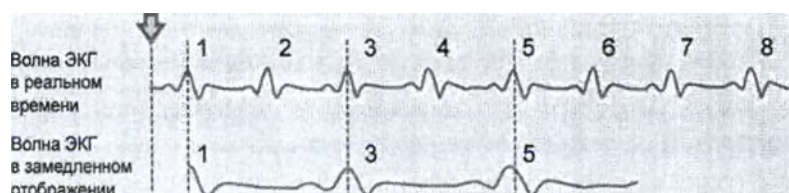
Этот режим подходит для изучения быстро движущихся тканей.

Отображает изображения В-режима или режима В Flow (включая eFlow и Power Doppler) в реальном времени.

D.S.D. имеет 2 следующих типа.

- **Режим D.S.D. (ECG)**

Этот режим синхронизирует визуализацию с R-зубцом ЭКГ для замедленного отображения. Замедленное отображение обновляется через фиксированное количество R-зубцов.

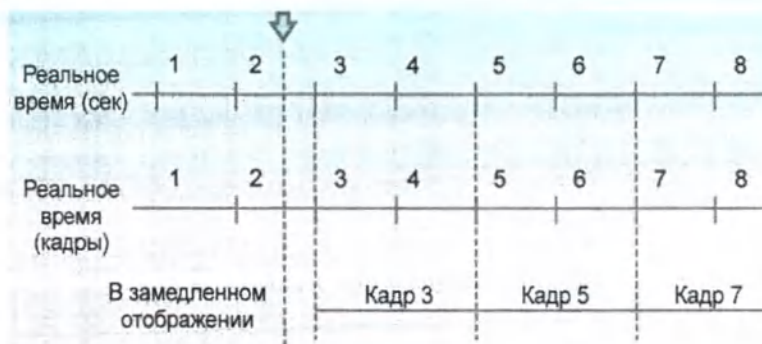


Выше показано изображение, которое выводится на экран замедленного отображения при частоте обновления каждые два удара сердца. Стрелкой указано время переключения в режим DSD (ECG).

- **Режим D.S.D. (Time).**

Замедленное отображение запускается в момент времени, выбранный в меню.

Экран замедленного отображения обновляется через заданный интервал времени



Выше показано изображение, которое выводится на экран замедленного отображения при частоте обновления каждые две секунды. Стрелкой указано время переключения в режим DSD (Time)

Режим D.S.D. нельзя отобразить, если работают следующие функции.

- ECG Sync
- Dual CF
- Compound

### 3.7.1 Отображение в D.S.D. (ECG)-режиме

Этот режим синхронизируется с R-зубцом ECG для замедленного отображения.

#### Предварительные условия

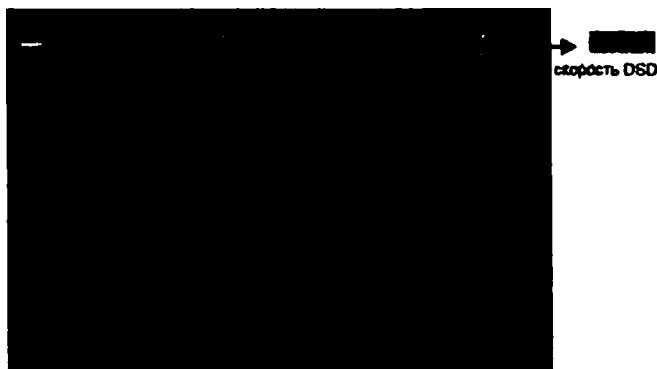
При необходимости назначьте следующие функции с помощью предустановки ([Preset Set-Up Menu> Menu-Function]).

- [ECG Display]
- [DSD (ECG)]
- [DSD Speed]
- [DSD Refresh]

#### Процедура

1. Отобразите изображение в режиме 1В в реальном времени.
2. Установите для параметра [ECG Display] значение "On" и отобразите кривую ECG.
3. В меню функций выберите [DSD (ECG)].  
Изображение в реальном времени выводится в левой части экрана, а замедленное изображение — в правой.





- Отображение изображения в режиме 1В в реальном времени  
Нажмите клавишу [Freeze]. Пока изображение остановлено, можно выполнить поиск и циклическое воспроизведение. Повторное нажатие на Freeze восстановит отображение в режиме D.S.D. (ECG).
- Чтобы установить скорость воспроизведения и интервал обновления  
Выберите [DSD Speed] в меню функций и измените скорость. Замедленное отображение начнется с R-зубца сразу после изменения. Установленное значение будет выведено в правом верхнем углу экрана режима D.S.D. (ECG).
- Для обновления без изменений установленного значения  
Выберите [DSD Refresh] из меню функций.
- Видеофрагменты могут быть сохранены только в формате Video Clip.

### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

## (1) Отключение режима D.S.D. (ECG)

### Процедура

1. В меню функций установите для параметра [DSD (ECG)] значение "Off".  
Экран переключится в режим 1В.

## 3.7.2 Отображение в D.S.D. (Time)-режиме

Выводит на экран замедленное отображение в соответствии с заданной единицей времени.

### Предварительные условия

При необходимости назначьте следующие функции с помощью предустановки ([Preset Set-Up Menu > Menu-Function]).

- [DSD (Time)]
- [DSD Speed]
- [DSD Refresh Timing]
- [DSD Refresh]

## Процедура

1. Отобразите изображение в режиме 1В в реальном времени.
2. Выберите [DSD (Time)] из меню функций.  
Изображение в реальном времени выводится в левой части экрана, а замедленное изображение — в правой.
  - Чтобы отобразить изображения в режиме 1В в реальном времени  
Нажмите клавишу [Freeze]. Пока изображение остановлено, можно выполнить поиск и циклическое воспроизведение. Повторное нажатие восстановит отображение в режиме D.S.D. (Time) .
  - Чтобы изменить скорость воспроизведения  
Выберите [DSD Speed] в меню функций и измените скорость. Установленное значение будет выведено в правом верхнем углу экрана режима D.S.D. (Time) .
  - Чтобы изменить интервал обновления  
Выберите [DSD Refresh Timing] из меню функций.
  - Для обновления без изменений установленного значения  
Выберите [DSD Refresh] из меню функций.
  - Видеофрагменты могут быть сохранены только в формате Video Clip.

## Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

### (1) Отключение режима D.S.D. (Time)

#### Процедура

- Выберите [DSD (Time)] из меню функций.  
Экран переключится в режим 1В.

## 3.8 Отображение направляющих линий пункции

Можно отобразить направляющую линию пункции на изображении В-режима для определения направления ввода иглы для пункции. Если у датчика есть несколько направляющих линий пункции, можно выбрать нужную направляющую.

#### Предварительные условия

Присвойте функции [Puncture Guide Line], [Biopsy Select], [Puncture Depth Display] и [Puncture Angle Select] меню функций.

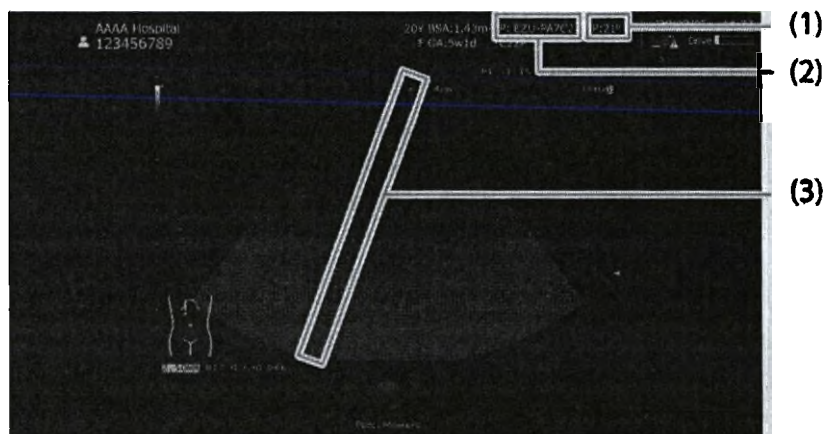
Меры предосторожности по отношению к направляющим линиям пункции:

- Направляющие линии пункции следует использовать в качестве направляющих ввода пункционной иглы.

- Убедитесь, что название модели используемого в настоящий момент адаптера пункции совпадает с отображаемым на экране.  
При использовании датчика или адаптера пункции с несколькими углами введения убедитесь, что угол пункции адаптера пункции и угол, установленный на экране, совпадают.
- Обязательно проверьте отображение иглы перед использованием датчика.  
Если скорость звука в ткани отличается от 1530 м/с, углы направляющей линии пункции и эхо-сигнала от иглы могут не совпадать.
- Убедитесь в безопасности проведения иглы в той части траектории пункции, которая не видна на мониторе.  
На участке пути, который не виден на экране, может находиться кровеносный сосуд или другой орган.
- Проверьте расположение пункционной иглы с помощью отображения иглы на экране.  
ПРИМЕЧАНИЕ: Для получения подробной информации об операции пункцирования см. документацию к датчику и адаптеру пункции.  
ПРИМЕЧАНИЕ: Кроме того, прочтите раздел «Меры предосторожности относительно датчика» в отдельном документе «Руководство по эксплуатации».

### Процедура

1. Нажмите клавишу [B] для отображения изображения В-режима в реальном времени (в виде одиночного экрана).
2. Установите параметр [Puncture Guide Line] в меню функций в состояние "On".  
Будут отображены направляющие линии пункции.  
Угол пункции отображается в верхней части экрана. При наличии нескольких адаптеров пункции будет также отображено название адаптера.



(1) Угол пункции, (2) Название адаптера пункции, (3) Направляющая линия пункции

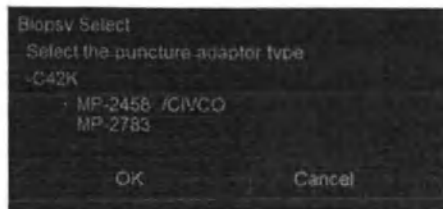
3. Проверьте название модели адаптера пункции и угол пункции.

#### Изменение адаптеров пункции

Проверьте совпадение текущего адаптера пункции и названия, отображаемого на экране.

Если датчик поддерживает использование нескольких адаптеров пункции, можно выбрать [Biopsy Select].

- a. Выберите [Biopsy Select] из меню функций.
- b. Выберите адаптер пункции в диалоговом окне, затем нажмите [OK].



#### Изменение угла пункции

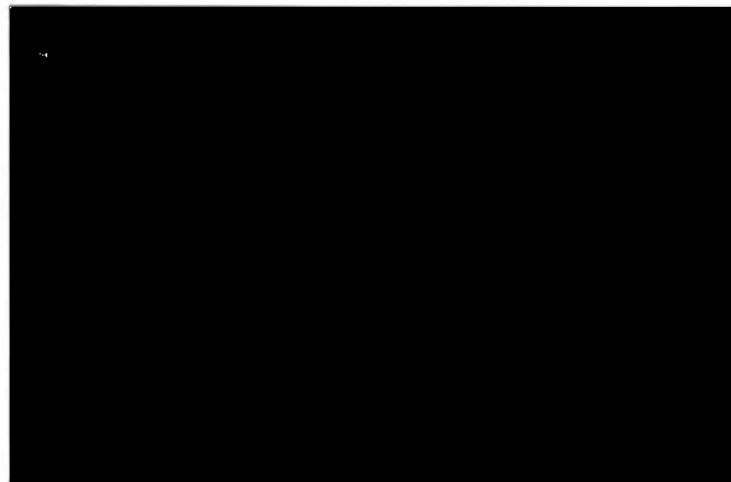
Чтобы установить угол пункции или расстояние от области ультразвукового облучения до направляющей линии пункции, используйте [Puncture Angle Select] в меню функций.

4. Измерьте глубину.

ПРИМЕЧАНИЕ: Следует руководствоваться числовым значением, указывающим глубину. Перед пунктированием выполните проверку погрешности определения расстояния до конца пункционной иглы, используя емкость с водой, или другим способом.

- a. Установите параметр [Puncture Depth Display] в меню функций в состояние "On".

На направляющей линии пункции будет отображаться метка-стрелка и глубина.



- b. Переместите метку-стрелку в желаемое положение при помощи трекбола.

## 3.9 Needle Emphasis

Эта функция улучшает качество отображения иглы для пункции.

ПРИМЕЧАНИЕ: Во время операции Needle Emphasis кнопка HOME недоступна.

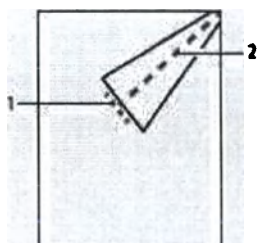


## Предварительные условия

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

Установите следующие необходимые функции для меню функций.

- [Needle Emphasis]
- [Angle Sel (NE)]
- [Reverse (NE)]
- [NE Correlation]
- [NE Sharpness]



(1) Graphic Line 1

(2) Graphic Line 2



## ОСТОРОЖНО!

- Рекомендуется, чтобы пункционная игла оставалась в рамках выделенной сплошной линией области, показанной на расположенном выше изображении. Если игла для пункции проводится глубже Graphic line 1, эффект Needle Emphasis не достигается.
- Убедитесь, что этот элемент не будет перепутан с эхо-сигналом отображения иглы. Ткани тела, располагающиеся параллельно Graphic Line 2, могут выглядеть выделенными.
- Обратите внимание, что элементы Graphic lines отличаются от направляющей линии пункции.

## Процедура

1. Нажмите клавишу [B].  
Это действие переключит экран на отображение изображения В -режима с использованием вида одиночного экрана.
2. Установите параметр [Puncture Guide Line] в меню функций в состояние "On".  
Будут отображены направляющие линии пункции.
3. Выберите [Needle Emphasis] из меню функций.  
Появится элемент Graphic Line (зеленая пунктирная линия).  
После того, как пункционная игла приблизится к элементу Graphic Line 2, ее визуализация улучшится.  
Внесение следующей настройки необходимо для отображения элемента Graphic Line 1 перпендикулярно к углу направляющей линии пункции в доступном диапазоне.

В предустановке ([Preset Set-Up Menu] > [Image-B, M2]) установите для параметра NE Link значение On.

### Справочная информация

9.6.11 Menu-Function на странице 307

9.6.12 Custom SW на странице 308

## 3.9.1 Корректировка угла Graphic Line 2

### Процедура

1. В меню функций выберите [Puncture Guide Line].
2. В меню функций выберите [Needle Emphasis].
3. Скорректируйте угол, используя поворотный регулятор, совместимый с [Angle Sel (NE)], в меню функций.

ПРИМЕЧАНИЕ: Максимальное значение угла зависит от датчика.

## 3.9.2 Инвертирование угла Graphic Line 2

### Процедура

1. В меню функций выберите [Puncture Guide Line].
2. В меню функций выберите [Needle Emphasis].
3. В меню функций выберите [Reverse (NE)].

## 3.10 Contrast Harmonic Imaging (CHI)

### 3.10.1 Обзор Contrast Harmonic Imaging (CHI)

Функция Contrast Harmonic Imaging (CHI) делает более заметным эхоконтрастное вещество, циркулирующее в тканях или вводимое в ткани.

Необходим дополнительный компонент SOP-AR50-44.

- Методы передачи и приема, используемые в режиме CHI
  - WbC (Wide-band Contrast Harmonic Imaging)  
Метод Pulse Inversion позволяет принимать сигналы от эхоконтрастного вещества в широком спектре и отображать изображение контрастной гармонической визуализации высокого разрешения.
  - TrC (Tissue Reduction Contrast Harmonic Imaging)  
Метод Amplitude Modulation позволяет подавлять эхо-сигналы от ткани и принимать сигналы от эхоконтрастного вещества, чтобы отображать изображение контрастной гармонической визуализации высокой чувствительности.
- Отображаемое изображение

- **Изображение контрастной гармонической визуализации (CHI: Contrast Harmonic Image)**  
Принимает сигналы от эхоконтрастного вещества и отображает изображения. При необходимости четкого указания методов передачи и приема, эти методы обозначают как CHI-WbC или CHI-TrC.
- **Изображение базовой частоты (FI: Fundamental Image)**  
Отображает изображение, полученное при передаче и приеме базовой для остальных гармоник частоты.
- **Специфические функции CHI**
  - **Monitor Mode**  
Попеременно посылает и получает изображения контрастной гармонической визуализации и изображения базовой частоты и отображает их в виде двойного экрана.  
Эта функция позволяет изучать состояние объекта исследования, а также отслеживать поток эхоконтрастного вещества.
  - **Flash**  
Подается сигнал с высоким акустическим давлением, и эхоконтрастное вещество разрушается. После разрушения эхоконтрастного вещества можно наблюдать его отражение.
  - **Счетчик**  
Эта функция измеряет и отображает время, прошедшее с момента введения эхоконтрастного вещества. Функция предназначена для запуска записи видеофрагмента после достижения счетчиком значения "00:00".

## **(1) Меры предосторожности при использовании эхоконтрастных веществ**

Далее представлены меры предосторожности при использовании диагностической ультразвуковой системы при исследованиях с введением эхоконтрастных веществ. В качестве эхоконтрастных веществ используйте только зарегистрированные лекарственные препараты.

Сведения о способе их применения, характеристиках, мерах предосторожности, условиях хранения и утилизации см. в документации эхоконтрастного вещества.

### **ОСТОРОЖНО!**



**При использовании эхоконтрастных веществ во время исследований всегда внимательно следите за состоянием пациента.**

Во время исследования с помощью эхоконтрастного вещества возможно нарушение сердечного ритма даже в случае, если механический индекс (MI) находится в пределах диагностического диапазона.



**При выполнении исследований используйте только минимальное необходимое для диагностики акустическое давление.**

Применение эхоконтрастного вещества может оказывать значимое механическое воздействие (кавитация) на организм.

### 3.10.2 Отображение режима CHI (Contrast Harmonic Imaging)

#### Предварительные условия

Перед включением режима CHI проверьте следующее.

- Наблюдения в режиме CHI можно выполнять только с помощью датчика, предназначенного для CHI. Подробную информацию о совместимости с CHI см. в отдельном документе «Руководство по эксплуатации». Сведения об обращении с датчиками см. в документации, поставляемой с датчиками.

#### (1) Запуск режима CHI

##### Предварительные условия

- Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [CHI Method] и [Frequency (CHI)] меню функций.
- Присвойте функцию [CHI] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

##### Процедура

1. Коснитесь программной кнопки [CHI].  
Будет отображено изображение контрастной гармонической визуализации, на вкладке [CHI] меню функций будет отображено CHI Menu.



Пример отображения экрана (в Monitor Mode)



- (1) Счетчик  
Слева: счетчик, справа: счетчик (B)
- (2) Значение выходной мощности ультразвука изображения базовой частоты



- (3) Значение MI изображения контрастной гармонической визуализации
- (4) Значение выходной мощности ультразвука изображения контрастной гармонической визуализации
- (5) Значение MI изображения базовой частоты
- (6) Номер кинопамяти
- (7) Частота, глубина отображения, значение усиления и динамический диапазон изображения контрастной гармонической визуализации
- (8) Частота, глубина отображения, значение усиления и динамический диапазон изображения базовой частоты

### 3.10.3 Настойка усиления

Скорректируйте усиление изображений контрастной гармонической визуализации и базовой частоты.

#### Процедура

- Чтобы скорректировать усиление изображений контрастной гармонической визуализации, поворачивайте поворотный регулятор [B Gain].
- Чтобы скорректировать усиление изображений базовой частоты, поворачивайте [Gain (F1)] в меню функций.

### 3.10.4 Регулировка мощности ультразвука

Выходной мощностью ультразвука управляют либо с помощью элемента управления %, который изменяет мощность в процентах (максимальная выходная мощность соответствует 100%), либо с помощью элемента управления MI, который поддерживает значение MI (Mechanical Index) даже при изменении условий передачи. Можно задать эти методы управления с помощью [Power Control] в предустановке ([Preset Set-Up Menu > Image-CHI, F11]).

#### Процедура

- Поворачивайте поворотный регулятор [Acoustic Power], чтобы изменить выходную мощность ультразвука.

### 3.10.5 Отображение изображения фундаментальной частоты и изображения режима CHI в виде двойного экрана (monitor mode)

Вид двойного экрана используется для отображения изображений базовой частоты и режима CHI с целью отслеживания объекта исследования. Изображения контрастной гармонической визуализации до введения эхоконтрастного вещества выглядят темными, что затрудняет их использование для осмотра. Благодаря одновременному отображению изображения контрастной гармонической визуализации и изображения базовой частоты в Monitor Mode, можно следить за изображением базовой частоты для получения общей картины и контролировать поток эхоконтрастного вещества по изображению режима CHI.

### Процедура

1. Отобразите изображение в CHI-режиме.
2. Выберите [Monitor Mode] в меню функций CHI.  
В виде двойного экрана изображение базовой частоты будет выведено слева, а изображение контрастной гармонической визуализации — справа.

## (1) Корректировка напряжения передатчика для изображений базовой частоты

### Процедура

- Выберите и установите [Monitor Level] на вкладке [F.I.] в меню функций.

## ● 3.10.6 Переключение между изображением контрастной гармонической визуализации и изображением базовой частоты на одиночном экране: Display Image

Можно переключаться между изображением контрастной гармонической визуализации и изображением базовой частоты на одиночном экране.

### Процедура

- Выберите [Display Image] в меню функций CHI.  
Отображение изменяется по порядку: изображение контрастной гармонической частоты, изображение базовой частоты, изображение контрастной гармонической частоты.  
В Display Image изображение контрастной гармонической частоты отображается как Contrast, а изображение базовой частоты как Fundamental.

## ● 3.10.7 Выполнение передачи с высоким акустическим давлением

Можно наблюдать отражение эхоконтрастным веществом при первом выполнении передачи с высоким акустическим давлением, разрушающим эхоконтрастное вещество.

## (1) Наблюдения отражения эхоконтрастным веществом (Flash)

### Процедура

1. Отобразите изображение в CHI-режиме.
2. Выберите [Flash] в меню функций CHI.  
Подается сигнал с высоким акустическим давлением, и эхоконтрастное вещество разрушается.

## **(2) Настройка времени Flash**

### **Предварительные условия**

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Flash Time] меню функций.

### **Процедура**

- Установите [Flash Time] из меню функций.  
Значение времени вспышки можно установить в пределах от 0.5 до 3.0 секунд с шагом по 0.5 секунды.

## **3.10.8 Отображение значения максимальной яркости в экране наложения**

Это улучшает видимость эхоконтрастного вещества.

### **Процедура**

1. Отобразите изображение в CHI-режиме.
2. Выберите [Accumulation] из меню функций.  
Значение максимальной яркости отображается в экране наложения для каждого кадра изображения контрастированной гармонической визуализации.

## **(1) Запуск накопления изображений после события Flash**

### **Предварительные условия**

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Flash Link] меню функций.

### **Процедура**

1. Отобразите изображение в CHI-режиме.
2. Выберите [Flash Link] из меню функций.  
Накопленная информация отображается в форме видеофрагмента после Flash.

**ПРИМЕЧАНИЕ:** Если для параметра [Accumulation] установлено значение Off, а для параметра [Flash Link] значение On, накопленная информация изображений отображается в форме видеофрагмента после Flash.

## **3.10.9 Запись изображений режима CHI**

Изображения контрастной гармонической визуализации сохраняются в месте, указанном параметром Store Media.

**ПРИМЕЧАНИЕ:** Единственный [Data Format], доступный для режима CHI, это [Video Clip].

**ПРИМЕЧАНИЕ:** Единственный [Acquisition Mode], доступный для режима CHI, это [Manual].

## (1) Если для параметра Counter Link установлено значение On

### Процедура

1. Отобразите изображение в CHI-режиме.
2. Выберите либо [Counter], либо [Counter (B)].  
Начинается захват видеоданных.
3. Нажмите клавишу [User 3 (Store)], чтобы завершить операцию сохранения.  
Процесс захвата видео завершится.

## (2) Если для параметра Counter Link установлено значение Off

### Процедура

1. Отобразите изображение в CHI-режиме.
2. Нажмите клавишу [User 3 (Store)].  
Начинается захват видеоданных.
3. Нажмите клавишу [User 3 (Store)], чтобы завершить операцию сохранения.  
Процесс захвата видео завершится.

## 3.10.10 Завершение CHI

### Процедура

- Коснитесь программной кнопки [CHI].

## 3.11 Brachytherapy

Эта функция отображает мишень брахитерапии на изображении В-режима. Брахитерапией называют метод лучевой терапии, заключающийся во введении радиоактивного материала (малого источника радиоактивного излучения) в предстательную железу для уничтожения раковых клеток.

В системе доступны следующие операции.

1. Задание места введения малых источников радиоактивного излучения с использованием отображения сетки.
2. Отображение целевого места установки 1 при имплантации малого источника излучения.

ПРИМЕЧАНИЕ: Подробные сведения о датчиках, совместимых с функцией брахитерапии, см. в отдельном документе «Руководство по эксплуатации».

ПРИМЕЧАНИЕ: Из-за изогнутой формы иглы возможно прокалывание нецелевой области. Постоянно контролируйте точность направления прокалывания по ультразвуковому отображению иглы.

ПРИМЕЧАНИЕ: Выберите тип сетки, имеющий тот же формат отображения, что у используемого шаблона.





## **ОСТОРОЖНО!**

Используйте отображения сетки и области мишени в качестве направляющих при размещении источника.

На траектории пункции, которая не видна на экране, может находиться кровеносный сосуд или другой орган.

Убедитесь в безопасности проведения иглы в той части траектории пункции, которая не отображается на мониторе.

### **3.11.1 Установка положения ввода малого источника излучения**

Отобразите сетку и установите положение ввода малого источника излучения.

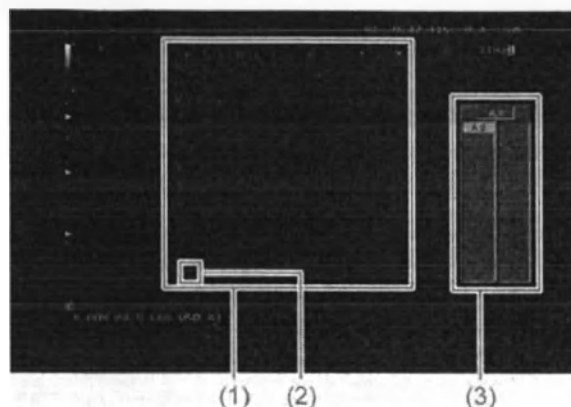
#### **Предварительные условия**

При необходимости назначьте следующие функции.

- Меню функций предустановки ([Preset Set-Up Menu] > [Menu-Function])
  - [Brachy Mode]
  - [Brachy Grid Type]
  - [Brachy Add]
  - [Brachy Delete]
  - [Brachy Table Locate]
  - [Brachy Table Display]

#### **Процедура**

1. Выберите [Patient ID].  
Отображается экран ввода ID.
2. Выберите датчик и область применения.
3. Отобразите сетку.
  - a. Отобразите поперечное изображение предстательной железы с использованием вида одиночного экрана.
  - b. Выберите «Grid» из [Brachy Mode] в меню функций.  
Отобразятся сетка, метка установки координат и список координат мест введения.



- (1) Сетка
- (2) Метка установки координат
- (3) Список координат мест введения

#### Изменение типа отображения сетки:

Выберите [Brachy Grid Type] в меню функций и измените тип отображения.

Доступно 4 типа отображения сетки. Выберите тип отображения в соответствии с видом сетки.



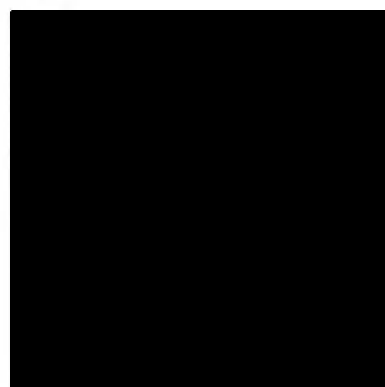
Type A



Type B



Type C



Type D

#### Изменение положения отображения списка координат мест введения:

- a. Выберите [Brachy Table Display] в меню функций и установите для него значение «On». Отобразится список координат мест введения.
- b. Выберите [Brachy Table Locate] из меню функций.
- c. Воспользуйтесь трекболом для перемещения положения отображения.
- d. Выберите [Enter].

Положение отображения списка координат мест введения будет подтверждено.

4. Установите места введения (координаты) для малого источника излучения. Можно задать до 30 точек.

**ПРИМЕЧАНИЕ:** В случае регистрации 31 и более точек появляется следующее сообщение: «Memory Full».

- a. Воспользуйтесь трекболом для перемещения метки установки координат в точку введения.
- b. Выберите [Enter].  
Координаты места введения отображаются в списке координат мест введения.
- c. Повторите шаги с a по b для установки дополнительных мест введения.

Добавление новой точки в список координат мест введения:

- a. Выберите [Brachy Table Display] из меню функций.  
Отобразится список координат мест введения.
- b. Воспользуйтесь трекболом для перемещения метки установки координат в положение для добавления точки.
- c. Выберите [Brachy Add] из меню функций.
- d. Воспользуйтесь трекболом для перемещения точки, выделенной в списке координат мест введения, в положение точки введения.
- e. Выберите [Enter].

**ПРИМЕЧАНИЕ:** Если в списке координат мест введения уже зарегистрировано 30 точек, уменьшите количество зарегистрированных точек до 29 или меньше, а затем повторно зарегистрируйте желаемую точку.

Удаление зарегистрированной точки из списка координат мест введения:

- a. Выберите [Brachy Table Display] из меню функций.  
Отобразится список координат мест введения.
- b. Выберите [Brachy Delete] из меню функций.
- c. Воспользуйтесь трекболом для перемещения точки, выделенной в списке координат мест введения, в положение точки для удаления.
- d. Выберите [Enter].  
Отображается следующее сообщение: «Data in memory will be deleted.».
- e. Выберите [OK].  
При выборе [Cancel] будет выполнен возврат на исходный экран без удаления зарегистрированной точки.

## **Справочная информация**

**9.6.11 Menu-Function на странице 307**

### 3.11.2 Отображение целевого места введения малого источника излучения

Отобразите целевое место введения для имплантации малого источника излучения.

#### Предварительные условия

Для отображения целевого положения необходимо задать место введения малого источника излучения. Подробные сведения см. в 3.11.1 *Установка положения ввода малого источника излучения* на странице 110 настоящего руководства.

#### Процедура

1. Выведите на экран мишени.
  - a. Отобразите поперечное изображение предстательной железы с использованием вида одиночного экрана.
  - b. Выберите «Target» из [Brachy Mode] в меню функций.  
Будет выделена первая координата из координат мест введения. В том месте экрана, которое соответствует положению мишени, будет отображена метка положения координат.
  - c. Нажмите [Enter] для вывода на экран следующего целевого положения.  
Будет выделена следующая координата из координат мест введения. В том месте экрана, которое соответствует положению мишени, будет отображена метка положения координат.

#### Справочная информация

3.11.1 *Установка положения ввода малого источника излучения* на странице 110

### 3.11.3 Завершение брахитерапии

#### Процедура

1. Выберите «Off» из [Brachy Mode] в меню функций.

## 3.12 Вывод на экран двухплоскостных данных в реальном времени

Для отображения в реальном времени изображений двух сечений можно использовать биплановый датчик.

#### Предварительные условия

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

Используйте предустановку ([Preset Set-Up Menu] > [Menu-Function]) для присвоения [Real-time Biplane] меню функций.



## Процедура

1. Выберите [Patient ID].  
Отображается экран ввода ID.
2. Выберите датчик и область применения.
3. Выберите [Real-time Biplane] из меню функций.  
Экран переключится на вид двойного экрана (2В).  
Изображение на экране

| Левое окно                                                                                                                          | Правое окно                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Продольная плоскость<br>(Отображается линия сечения,<br>указывающая на место наблюдаемого<br>пересечения с латеральной плоскостью.) | Латеральная плоскость<br>(Отображается линия сечения,<br>указывающая на место наблюдаемого<br>пересечения с продольной плоскостью.) |

Линия сечения это линия, по которой пересекаются две плоскости сканирования.  
Эта линия отмечается двумя (сверху и снизу) стрелками на экране.

## 3.13 Плоскость OMNI

Временно зафиксируйте передатчик трансвагинального 3D-датчика под желаемым углом и выведите на экран томографическое изображение, полученное под этим углом.

### Предварительные условия

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

Используйте предустановку ([Preset Set-Up Menu] > [Menu-Function]) для присвоения [Omni Plane Angle Setting] меню функций.

### Процедура

1. Выберите трансвагинальный 3D-датчик и область применения.
2. Нажмите клавишу [В], чтобы переключиться к изображению в В-режиме.  
ПРИМЕЧАНИЕ: Завершите режим 4D и режим HI DEF 3D.
3. Используйте [Omni Plane Angle Setting], чтобы установить угол датчика.  
Изображение В-режима будет выводиться с исправленным углом.  
Если [Omni Plane Mark Display] и [Omni Plane Angle Display] в предустановке ([Preset Set-Up Menu] > [Graphics]) заданы как Вкл, угол датчика отображается в верхней левой части экрана, как показано ниже.



## 3.14 3D/4D

### 3.14.1 Краткое описание

Эта функция выполняет сбор объемных данных и выводит на экран 3D-изображение. Необходим дополнительный компонент SOP-AR50-4.

Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».

ПРИМЕЧАНИЕ: Не отключайте питание системы во время выполнения сканирования.

ПРИМЕЧАНИЕ: Назначьте программные кнопки, используемые для функции 3D/4D, в Software Button (3D) в предустановке ([Preset Set-Up Menu] > [Software Button]).

- Порядок сбора объемных данных  
Существуют два способа сбора объемных данных:
  - 4D (3D в режиме реального времени)  
Выполнение непрерывного сканирования в В-режиме для сбора объемных данных.
  - HI DEF 3D  
Сбор объемных данных в В-режиме.
- Режим построения изображений  
Существуют шесть описанных далее типов режимов визуализации для вывода на экран 3D-изображения, построенного по объемным данным; вы можете вывести на экран 3D-изображение в соответствии с поставленной целью.
  - Surface Sharp  
Отображает поверхность 3D-изображения.
  - Surf. Smooth  
Отображает поверхность 3D-изображения в более сглаженном варианте, чем в режиме Surface Sharp.
  - MIP  
Выводит на экран изображение MIP (проекция максимальной интенсивности: максимальная интенсивность эхо-сигнала, основанная на проекции) в виде 3D-изображения.
  - X-ray  
Выводит на экран изображение X-ray (средние данные по эхо-сигналу, основанные на проекции) в виде 3D-изображения.
  - Lighted  
Отображает 3D-изображение как если бы поверхность отражала свет.

Кроме того, можно вывести на экран следующие изображения:

- 4Dshading  
Вывод на экран затененного 3D-изображения наподобие эндоскопического изображения.  
Необходим дополнительный компонент SOP-AR50-51.
- Режимы вывода 3D-изображений на экран

Существует режим отображения собранных объемных данных.

- 3D/4D

Выводит на экран томографическое изображение и 3D-изображение.

### 3.14.2 Отображение объемных данных в 3D

3D-датчик выполняет сбор объемных данных путем механического перемещения поверхности электронного сканирования.

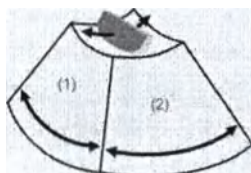
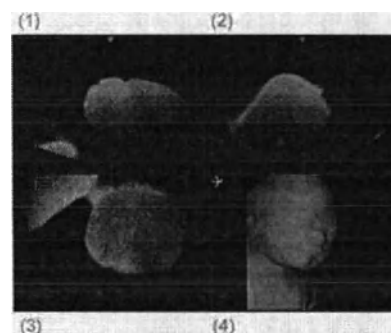
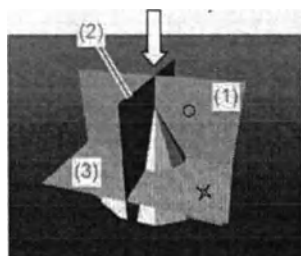


Диаграмма датчика и диапазона сканирования

(1) Поверхность электронного сканирования, (2) Поверхность механического сканирования

Объемные данные отображаются с помощью трех ортогональных сечений (RefA, RefB и RefC) и 3D-изображения.



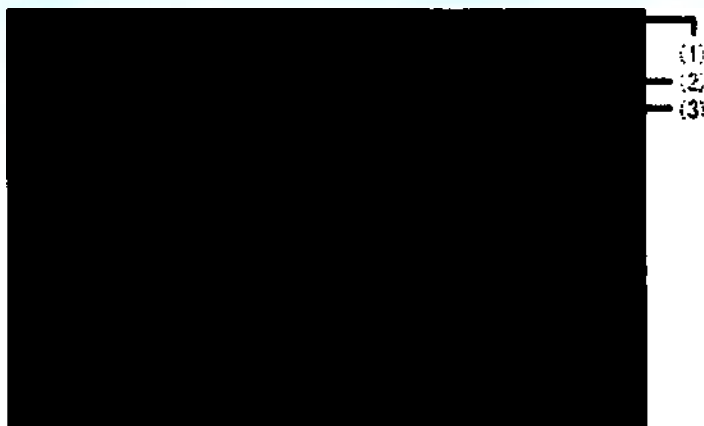
Слева: взаимное расположение трех ортогональных сечений и 3D-изображения. Стрелка обозначает проекцию.

Справа: пример отображения трех ортогональных сечений и 3D-изображения.

(1) Front View (RefA), (2) Side View (RefB), (3) Top View (RefC), (4) 3D-изображение

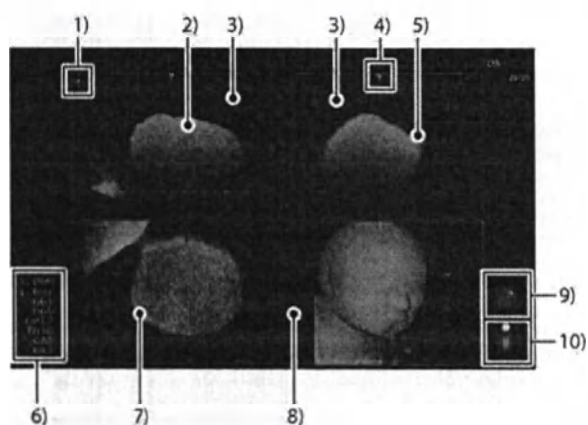
### 3.14.3 Экраны отображения в 3D

При переключении из В-режима в 3D-режим (4D или HI DEF 3D) экран отображается следующим образом.



- (1) Scan Angle (угол сканирования в направлении механического сканирования)
- (2) 3D ROI (диапазон получения изображения в направлении электронного сканирования)
- (3) Clipping Box (диапазон построения 3D-изображения)

3D-изображение отображается на экране следующим образом.



- 1) Function Indicator

Функция Target при работе с трекболом, например, при перемещении изображения, увеличении или уменьшении Clipping Box



Поворот



Горизонтальное перемещение



Настройка размера: Clipping Box

- 2) Область отображения сечения (RefA)

Сечение 3D-изображения при обзоре в направлении электронного сканирования

- 3) Clipping Box

Положение Clipping Box

Только данные в Clipping Box будут выведены на экран в виде 3D-изображения.

- 4) Метка проекции

Указывает на положение проекции.

3D-изображение представляет собой изображение сечения при обзоре из направления метки проекции.

- 5) Область отображения сечения (RefB)

Сечение 3D-изображения при обзоре из направления механического сканирования



|     |                                    |                                                                                                                                                                                                                      |
|-----|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6)  | Автоматическое отображение         | Частота, усиление, динамический диапазон, Opacity и другая информация                                                                                                                                                |
| 7)  | Область отображения сечения (RefC) | Сечение при обзоре из вертикального направления датчика                                                                                                                                                              |
| 8)  | Область отображения 3D-изображения | 3D-изображение<br>Отображает изображение в направлении, заданном в 3D View Direction.                                                                                                                                |
| 9)  | Indicator источника света          | Положение источника света<br>Этот пункт отображается только при включенном режиме 4Dshading. Отображается направление света, падающего на 3D-изображение.                                                            |
| 10) | 3D View Guide                      | Направление отображения 3D-изображения.<br>Красный: поверхность электронного сканирования<br>Зеленый: поверхность механического сканирования<br>Белый: индексная метка (указывает направление обзора 3D-изображения) |

### 3.14.4 Вывод на экран 3D-изображения в режиме реального времени: 4D

Эта функция задает диапазон сбора данных (3D ROI) и диапазон отображения 3D (Clipping Box) и отображает изображение в 4D.

При необходимости назначьте следующие функции.

- Присвойте функцию [Image Parameter] меню функций.
- Присвойте функцию [Inversion Mode] программной кнопке, пользовательскому переключателю или меню функций.

#### Процедура

1. Выведите изображение В-режима в виде одиночного экрана.  
ПРИМЕЧАНИЕ: Установите FAM, ECG Sync и курсоры (для отображения в режимах М и D) в положение Выкл.
2. Выберите программную кнопку [4D].  
Экран переключится в 4D-режим. На экране будут отображены 3D ROI и Clipping Box.  
Для корректировки криволинейной поверхности Clipping Box (криволинейный отсекающий):  
Нажмите программную кнопку [3D Curve] для коррекции криволинейной поверхности с помощью трекбола.
3. Скорректируйте положение датчика таким образом, чтобы объект исследования находился внутри 3D ROI.
4. Скорректируйте 3D ROI и Clipping Box.
  - а. Воспользуйтесь трекболом для перемещения положения 3D ROI.
  - б. Нажмите клавишу [Enter].
  - в. Отрегулируйте размер 3D ROI помощью трекбола.

- d. Нажмите клавишу [Enter].
  - e. Повторите действия пунктов а–d для корректировки 3D ROI таким образом, чтобы объект исследования находился внутри 3D ROI.
5. Задайте условия сбора 3D-данных.  
Откорректируйте все перечисленные ниже меню функций. [Scan Angle (3D)], [Line Density (3D)], [Frame Density(3D)] и [Image Parameter]. Условия изменения [Image Parameter] зависят от сочетания 3D ROI Width, Scan Angle, Line Density и Frame Density, который задаются заранее.
6. Нажмите клавишу [Select].  
Данные в Clipping Box выводятся на экран в виде 3D-изображения. Clipping Box отображается в центре томографических изображений (RefA, RefB и RefC).
- Для отображения гипоехогенных участков (например, фолликулов, кисты или желчного пузыря) в 3D, выберите программную кнопку [Inversion Mode].
  - Чтобы вернуться к пункту 3, нажмите клавишу [Select] еще раз.
  - Нажатие клавиши [B] возвращает вид одиночного экрана с выведенным на нем изображением В-режима.

### 3.14.5 Вывод на экран 3D-изображений с высоким разрешением: HI DEF 3D

Эта функция выполняет сбор объемных данных в В-режиме и выводит на экран 3D-изображение с высоким разрешением.

#### Процедура

1. Выведите изображение В-режима в виде одиночного экрана.  
ПРИМЕЧАНИЕ: Установите FAM, ECG Sync и курсоры (для отображения в режимах М и D) в положение Выкл.
2. Выберите программную кнопку [HI DEF 3D].  
Отображение переключится в режим HI DEF 3D. На экране будут отображены 3D ROI и Clipping Box.  
Для корректировки криволинейной поверхности Clipping Box (криволинейный отсекатель):  
Нажмите программную кнопку [3D Curve] для коррекции криволинейной поверхности с помощью трекбола.
3. Скорректируйте положение датчика таким образом, чтобы объект исследования находился внутри 3D ROI.
4. Скорректируйте 3D ROI и Clipping Box.
  - a. Воспользуйтесь трекболом для перемещения положения 3D ROI.
  - b. Нажмите клавишу [Enter].
  - c. Отрегулируйте размер 3D ROI с помощью трекбола.
  - d. Нажмите клавишу [Enter].



- е. Повторите действия пунктов а–d для корректировки 3D ROI таким образом, чтобы объект исследования находился внутри 3D ROI.
5. Задайте условия сбора 3D-данных.  
Откорректируйте все перечисленные ниже меню функций. [Scan Angle (3D)], [Line Density (3D)] и [Frame Density(3D)].
6. Выберите [Check Scan] в меню функций и убедитесь, что объект исследования находится внутри 3D ROI и в диапазоне механического сканирования.  
3D-датчик сканирует механически согласно заданным условиям, после чего на экран выводится изображение В-режима.  
Проверьте 3D ROI и диапазон механического сканирования, при необходимости повторите выбор [Check Scan] и вернитесь к пункту 4, чтобы изменить условия.
7. Нажмите клавишу [Select].  
По завершении сканирования на экран выводится 3D-изображение.
  - Для возврата выведенного на экран 3D-изображения к этапу корректировки 3D ROI и Clipping Box, нажмите клавишу [Select] or [Freeze] еще раз.
  - Нажатие клавиши [B] возвращает вид одиночного экрана с выведенным на нем изображением В-режима.

### 3.14.6 Воспроизведение 3D-изображений в кинопамяти

Эта функция воспроизводит 3D-изображения (видео), в том числе полученные в режиме 4D или сохраненные изображения.

Режим, в котором 3D-изображения выводятся как видео, называется 4D. Помимо этого, среди хранящихся 3D-изображений также есть видео. Эта функция выполняет воспроизведение таких 3D-изображений (видео).

ПРИМЕЧАНИЕ: Если изображение остановлено в режиме 3D/4, независимо от настройки Trackball Priority (Freeze On) в предустановке ([Preset Set-Up] > [Display 2]), на сенсорной панели отображаются программные кнопки 3D и меню функций, а отображение T.B.F. установлено как "Playback".

#### Предварительные условия

При необходимости, назначьте для функции [Playback] в 4D Mode программную кнопку или пункт меню функций.

#### Процедура

- Выполнение поиска с помощью трекбола.
  - а. Нажмите клавишу [Freeze].
  - б. Выполните поиск или прокрутку в желаемом диапазоне изображений с помощью трекбола.
    - Прокрутка трекбола вправо соответствует поиску или прокрутке в направлении вперед.
    - Прокрутка трекбола влево соответствует поиску или прокрутке в направлении назад.

- Воспроизведение 3D-изображения.
  - a. Нажмите клавишу [Freeze].
  - b. Прокрутите трекбол вверх.  
Начнется циклическое воспроизведение.  
Для остановки воспроизведения либо прокрутите трекбол влево или вправо, либо выберите [Playback] на сенсорной панели.
- Воспроизведение требуемого сечения 3D-изображения.
  - a. Нажмите клавишу [Freeze].
  - b. Используйте трекбол для отображения первого кадра кинопетли и нажмите клавишу [Enter].
  - c. Используйте трекбол для отображения последнего кадра кинопетли и нажмите клавишу [Enter].
  - d. Прокрутите трекбол вверх.  
В заданном диапазоне начнется непрерывное воспроизведение.  
Для остановки воспроизведения прокрутите трекбол влево или вправо.

### 3.14.7 Сохранение 3D-изображений

3D-изображения, выведенные на экран в режиме 4D или HI DEF 3D, можно сохранить в виде 3D-изображений, статичных изображений и т. п.

#### Процедура

- Для сохранения объемных данных нажмите клавишу [Freeze], а затем выберите программную кнопку [Store Volume].  
Данные будут сохранены в виде 3D-изображения. Если диапазон воспроизведения указывается для 3D-изображения, диапазон воспроизведения сохраняется в виде 3D-изображения (видео). На миниатюрах отображается метка V.
- Для сохранения видео, нажмите клавишу [Freeze], а затем выберите программную кнопку [Store 3D/4D Clip].  
Будет выполнено воспроизведение 3D-изображения, а экран будет сохранен в виде видео. Даже изображения HI DEF 3D в виде видео с захватом экрана.
- Для сохранения статичного изображения нажмите клавишу [User 3 (Store)] (пока 3D-изображение остановлено).  
Изображение будет сохранено в виде статичного изображения.

### 3.14.8 Отображение сохраненных объемных данных

Эта функция отображает объемные данные в виде 3D-изображения с экрана Review. В Search Results View, на миниатюрах объемных данных будет отображаться метка V.

#### Процедура

1. Выполните поиск 3D-изображения на экране Review.



2. Переместите указатель к объемным данным с помощью Image Viewer или Image Viewer и нажмите клавишу [Enter].
3. Выберите [3D Reconstruction] в меню Root.  
3D-изображение будет реконструировано и ведено на экран.  
Если 3D-изображение сохранено в системе с другими параметрами настройки, изображение может отображаться в соответствии с настройками системы, которая выполняет реконструкцию 3D-изображения, вместо настроек, указанных при сохранении изображения.
4. Выполните следующее действие, чтобы вернуться к экрану сканирования.
  - Выберите [Review] на вкладке [Accessories] меню функций.

### 3.14.9 Переключение раскладки экрана

В раскладку экрана для 3D-изображений входят: вид одиночного экрана, вид двойного экрана и вид на четырех экранах.

#### Предварительные условия

При необходимости используйте предустановку ([Preset Set-Up Menu] > [Custom SW] or [Preset Set-Up Menu] > [Software Button (3D)]) для назначения [Single], [Dual] и [Quad] пользовательским переключателям или программным кнопкам. Программные кнопки, назначенные в режиме 3D, отображаются как [1View], [2View] и [4View].

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>При выборе программной кнопки [1View] 3D-изображение выводится в виде одиночного экрана.</p> <ul style="list-style-type: none"> <li>• Для переключения выводимого на экран томографического изображения выберите программные кнопки [RefA], [RefB], [RefC] или [3D]. Снова выберите [3D], чтобы вернуться к 3D-изображению в виде одиночного экрана.</li> <li>• При выборе программной кнопки [1View] отображаемое изображение переключается в следующем порядке. [RefA], [RefB], [3D], [RefC] и затем [RefA].</li> </ul> |
|  | <p>При нажатии клавиши [2View] 3D-изображение и томографическое изображение выводятся в виде двойного экрана.</p> <p>Для переключения активного изображения нажмите клавишу [Dual] или выберите программную кнопку [2View]. Кроме того, при выборе программной кнопки [3D] 3D-изображение становится активным.</p> <p>Для переключения выведенного на экран томографического изображения выберите программную кнопку [RefA], [RefB] или [RefC].</p>                                                                          |



При выборе программной кнопки [4View] 3D-изображение и томографические изображения выводятся в виде на четырех экранах.

Для переключения активного изображения используйте один из следующих методов:

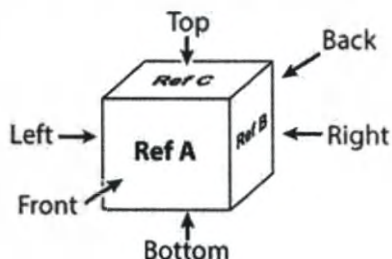
- Выберите программную кнопку [RefA], [RefB], [RefC] или [3D].
- Выберите программную кнопку [4View].

Активное изображение переключается в следующем порядке. [RefA], [RefB], [3D], [RefC] и затем [RefA].

### 3.14.10 Переключение проекции

#### Процедура

1. Для переключения обзора нажмите [3D View Direction] в меню функций. На экран будет выведено 3D-изображение из выбранной проекции.



### 3.14.11 Масштабирование изображений

#### Процедура

1. Поворачивайте поворотный регулятор [Zoom/Depth], чтобы изменить масштаб изображения. Масштаб активного изображения будет изменен.

### 3.14.12 Перемещение объемных данных

#### Предварительные условия

Нажмите клавишу [Т.В.Ф.] для переключения функции трекбола на View Control.

#### Процедура

1. Для активации целевого изображения выберите программную кнопку [RefA], [RefB], [RefC] или [3D].
2. Выполните перемещение объемных данных.  
Для перемещения данных по горизонтали или по вертикали:
  - a. Нажмите клавишу [Enter] для переключения индикатора функции в горизонтальное перемещение.
  - b. Прокрутите трекбол.

Для перемещения 3D-изображения назад или вперед в направлении просмотра

- а. Поверните поворотный регулятор [Pointer].

Для перемещения контрольного изображения назад или вперед:

- а. Для перемещения изображения используйте [Translation (For/Back)] в меню функций.

### 3.14.13 Поворот 3D-изображения

#### Процедура

- Вращение 3D-изображения по горизонтали.
  - а. Для выбора угла поворота используйте [3D Orientation] в меню функций. Поворот 3D-изображения выполняется на выбранный угол по горизонтали.
- Поворот 3D-изображения на основании активного изображения.
  - Для поворота изображения используйте [Rotation X] в меню функций. В качестве альтернативы нажмите поворотный регулятор усиления с несколькими ручками, чтобы высветилась надпись «COLOR» и поверните изображение. Изображение будет повернуто вокруг оси X.
  - Для поворота изображения используйте [Rotation Y] в меню функций. В качестве альтернативы нажмите поворотный регулятор усиления с несколькими ручками, чтобы высветилась надпись «D» и поверните изображение. Изображение будет повернуто вокруг оси Y.
  - Для поворота изображения используйте [Rotation Z] в меню функций. В качестве альтернативы нажмите поворотный регулятор усиления с несколькими ручками, чтобы высветилась надпись «M» и поверните изображение. Изображение будет повернуто вокруг оси Z.

### 3.14.14 Установка диапазона вывода 3D-изображений на экран

Используйте Clipping Box для настройки диапазона и выведите на экран нужную область в виде 3D-изображения.

#### Предварительные условия

Нажмите клавишу [T.B.F.] для переключения функции трекбола на View Control.

#### Процедура

- Скорректируйте размер Clipping Box.
  - а. Для активации целевого изображения выберите программную кнопку [RefA], [RefB] или [RefC].

- b. Нажмите клавишу [Enter] для переключения на коррективку размера Clipping Box.
- c. Используйте трекбол для коррективки Clipping Box.
- Установите диапазон отображения по криволинейной поверхности или прямоугольнику.

Выберите программную кнопку [3D Curve].

Изменение криволинейной поверхности:

Центр искривленной линии перемещается вертикально. Форма кривой и криволинейной поверхности изменится, поскольку высота пика изгиба переместится.

- Для активации целевого изображения выберите программную кнопку [RefA] или [RefB].  
Внесите коррективки с помощью трекбола.
- Для активации целевого изображения выберите программную кнопку [RefC] или [3D].  
Используйте поворотный регулятор [Pointer] для коррективки.

Изменение наклона криволинейной поверхности:

Наклон меняется с формами кривой, оставляя криволинейную поверхность без изменений.

- Для активации целевого изображения выберите программную кнопку [RefA] или [RefB].  
Используйте поворотный регулятор [Pointer] для коррективки.
- Для активации целевого изображения выберите программную кнопку [RefC] или [3D].  
Внесите коррективки с помощью трекбола.



Пример изменения криволинейной поверхности

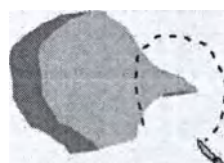
### 3.14.15 Прямое отсечение ненужных областей: Cut Tool

#### Процедура

1. Выведите на экран 3D-изображение и нажмите клавишу [Freeze].
2. Для активации целевого изображения выберите программную кнопку [RefA], [RefB], [RefC] или [3D].
3. Выберите [Cut Tool] из меню функций.  
Отображается Cut Tool $\frac{\pi}{4}$ .
4. Трассировка вокруг области будет удалена с помощью Cut Tool $\frac{\pi}{4}$ .

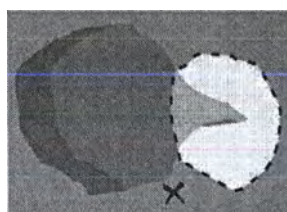


- a. Используйте трекбол, чтобы навести Cut Tool на начальную точку трассировки. Затем нажмите клавишу [Enter].
- b. Используйте трекбол для перемещения Cut Tool вдоль области для удаления.



- c. Нажмите клавишу [Enter] для замыкания линии трассировки. Диапазон трассировки будет выделен цветом при отображении.

5. Наведите метку X на диапазон для удаления и нажмите клавишу [Enter]. Диапазон (выделен цветом), обозначенный меткой X, будет удален. (См. рисунок ниже).

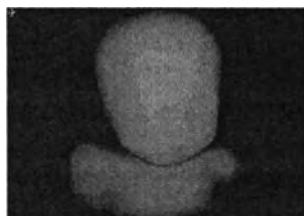


**ПРИМЕЧАНИЕ:** Для повторного отображения удаленного диапазона выберите программную кнопку [Restore Cut Area].

### 3.14.16 Изменение метода вывода на экран 3D-изображений

Переключите режим построения изображений.

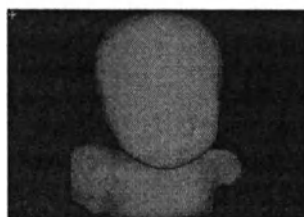
- Для переключения режима используйте программную кнопку [Rendering Mode]. Выберите один из следующих режимов.



#### Surface Sharp

Реалистичное отображение поверхности 3D-изображения.

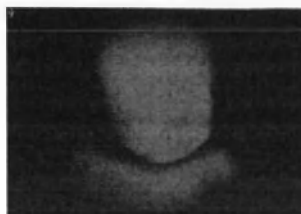
Поверхность 3D-изображения меняется в зависимости от настроек, в том числе Opacity Control.



#### Surf. Smooth

Более сглаженное отображение поверхности 3D-изображения по сравнению с Surface Sharp.

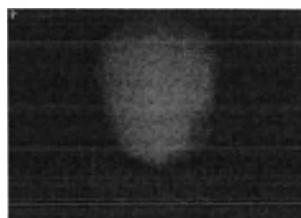
Поверхность 3D-изображения меняется в зависимости от настроек, в том числе Opacity Control.



#### MIP

Отображение 3D-изображения с максимальной интенсивностью эхо-сигнала в луче (обзор из положения камеры).

Этот режим полезно использовать для обследования скелета плода, поскольку он отображает прозрачное 3D-изображение.



#### X-ray

Отображает 3D-изображение со средней интенсивностью эхо-сигнала в луче (обзор из положения камеры).

Этот режим отображает изображение с большей прозрачностью, чем режим MIP.



#### Lighted

Отображает изображение, как если от поверхности отражался свет.

- Для переключения режима используйте программную кнопку [4Dshading].



#### 4Dshading

Отображает реалистичное 3D-изображение, схожее с эндоскопическим изображением.

Будет отображаться индикатор источника света.

Если настроить [Light Position] на Вкл, можно перемещать положение источника света с помощью трекбола.

### 3.14.17 Изменение цвета вывода 3D-изображений на экран: Color Map (3D)

Изменение цвета вывода на экран монохромной части 3D-изображения.

#### Процедура

- Для выбора карты цвета используйте [Color Map (3D)] в меню функций.

### 3.14.18 Настройка яркости 3D-изображений: 3D-яркость

Коррекция яркости построенного 3D-изображения.

#### Процедура

- Для внесения изменений используйте [3D Brightness] в меню функций.

### 3.14.19 Регулировка уровня сигнала для вывода на 3D-изображениях

#### (1) Настройка непрозрачности: Opacity Control

Настройка непрозрачности 3D-изображений.

Установка большего значения уменьшает глубину, на которой изображение выводится на экран как прозрачное, а установка меньшего значения увеличивает ее.

ПРИМЕЧАНИЕ: Отображаются изображения, для которых режим построения установлен на Surface Sharp, Surf. Smooth или 4Dshading.

##### Процедура

- Для внесения изменений используйте [Opacity Control] в меню функций.

#### (2) Установка порога отображения: Нижний порог

Удаляет гипозоженный шум с 3D-изображений.

ПРИМЕЧАНИЕ: Отображаются изображения, для которых режим построения установлен на Surface Sharp, Surf. Smooth или 4Dshading.

##### Процедура

- Для внесения изменений используйте [Lower Threshold] в меню функций.

#### (3) Уменьшение непрозрачности вокруг границы отсекаателя: Исключение области плаценты

Лицо плода часто непосредственно касается плаценты или стенки матки, если между ними и плодом недостаточно околоплодной жидкости. В подобных случаях при построении 3D-изображения плода и области перед плодом, при уменьшении непрозрачности между плодов и ненужными участками можно легко удалить ненужные участки.

ПРИМЕЧАНИЕ: Отображаются изображения, для которых режим построения установлен на Surface Sharp или Surf. Smooth.

##### Процедура

- Для внесения изменений используйте [Placenta Rejection] в меню функций.  
Непрозрачность будет изменена от границы со стороны обзора от отсекаателя.

### 3.14.20 Корректировка уровня затенения для 3D-изображений: Затухание с глубиной

Отображает 3D-изображение путем изменения яркости в направлении глубины изображения и добавления трехмерного эффекта.

ПРИМЕЧАНИЕ: Отображаются изображения, для которых режим построения установлен на Surface Sharp, Surf. Smooth или MIP.

### Процедура

- Для внесения изменений используйте [Depth Attenuation] в меню функций.

## 3.14.21 Корректировка сглаживания и глянца поверхности 3D-изображений: Уровень глянца

Откорректируйте сглаживание и глянец поверхности 3D-изображения.

Настройте коэффициент смешивания с помощью функции глянца изображения, где ближние к проекции области будут отображаться ярче, а дальние от проекции области будут отображаться темнее.

В функции глянца изображения яркость каждой области определяется расстоянием от проекции независимо от уровня эхо-сигнала. По этой причине отображается глянцевое изображение с гладкой поверхностью.

ПРИМЕЧАНИЕ: Отображаются изображения, для которых режим построения установлен на Surface Sharp или Surf. Smooth.

### Процедура

- Для внесения изменений используйте [Glossy Level] в меню функций.

## 3.14.22 Фильтрация 3D-изображений

### (1) Сглаживание (3D)

Применяет сглаживания к сформированным объемным данным. Данная установка не применяется к томографическим изображениям.

### Процедура

- Для внесения изменений используйте [Smoothing (3D)] в меню функций.  
Сглаживание 3D-изображения будет выполнено на новом уровне.

### (2) Поверхность 3D-изображения

Отображает 3D-изображения со сглаженными поверхностями.

### Процедура

- Для внесения изменений используйте [3D Surface] в меню функций.

### (3) Контраст края 3D-изображения

Корректирует контраст 3D-изображений и подчеркивает края.

### Процедура

- Для внесения изменений используйте [3D Edge Cont.] в меню функций.



### 3.14.23 Инвертирование отображения яркости: Режим инвертирования

В этом режиме построение 3D-изображения выполняется только с использованием низких значений яркости.

Фолликулы, кисты, кровеносные сосуды и другие части, которые отображаются темными, можно вывести на экране в виде 3D-изображений.

ПРИМЕЧАНИЕ: Отображаются изображения, для которых режим построения установлен на Surface Sharp, Surf. Smooth или X-ray.

### 3.14.24 Запись 3D-изображений в виде статичных изображений

Записывает текущее изображение на экране в виде статичного изображения.

#### Процедура

1. Выведите на экран три ортогональных сечения требуемого качества и 3D-изображение.
2. Нажмите клавишу [Freeze].
3. Запишите изображение.
  - Нажмите клавишу [User 3 (Store)].  
Отображенное изображение сохраняется на носитель информации, в том числе на системный жесткий диск и флэш-память USB, в заданных форматах: DICOM или BMP.
  - Нажмите клавишу [User 2 (Print)].  
Изображение будет записано на записывающее устройство, подключенное к системе.

### 3.14.25 Запись 3D-изображений в формате DVD-видео

Записывает текущее изображение на экране в формате DVD-видео.

#### Предварительные условия

Используйте предустановку ([Preset Set-Up Menu] > [Custom SW]), чтобы присвоить [Rec] пользовательскому переключателю.

#### Процедура

1. Выведите на экран три ортогональных сечения требуемого качества и 3D-изображение.
2. Нажмите пользовательский переключатель [Rec].  
Видео будет записано в формате DVD.
3. Снова нажмите пользовательский переключатель [Rec].  
Этапы записи видео.

## 3.15 Физиологические сигналы

### 3.15.1 Вывод на экран физиологических сигналов

Прикрепите к телу пациента кабель ЭКГ, подключенный к главному блоку изделия, чтобы вывести на экран физиологические сигналы.

**ПРИМЕЧАНИЕ:** Необходимо дополнительное изделие PEU-ARIETTA50.

Для отображения физиологических сигналов имеются следующие предустановки.

- Настройки Physiology: [ECG Display], [ECG Position (B)], [ECG Sensitivity]
- Настройки DISP-B, M: [Echo Erase]

#### (1) Отображение кривой ECG

##### Предварительные условия

Присвойте функции [ECG Display] и [Echo Erase] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]).

##### Процедура

1. Установите параметр [ECG Display] в меню функций в состояние "On".  
На экране появится кривая ECG.  
При отображении кривой ECG прибор выполняет обнаружение R-зубца и вычисляет частоту сердечных сокращений.  
Частота сердечных сокращений выводится на экран как "HR120". Отображение HR\*\*\* указывает на значение за пределами отображаемого диапазона (HR 30 - HR 500).  
Если R-зубец ECG не выявлен в течение 5 секунд или дольше, то отображается сообщение Detection Error: R-wave of ECG is not detected. Проверьте правильность подключения электродов ECG к пациенту.
2. Скорректируйте чувствительность и положение отображения.

##### Меню настройки кривой сигнала

|            | Меню положения<br>отображения | Меню чувствительности |
|------------|-------------------------------|-----------------------|
| Кривая ECG | ECG Posi                      | ECG Sens              |

Если содержимое экрана неразборчиво из-за наложения изображения M-режима и физиологического сигнала:

Используйте [Echo Erase] в меню функций для стирания части изображения M-режима.

##### Справочная информация

Настройки Physiology на странице 311

Настройки DISP-B, M на странице 291

## (2) Отображение при синхронизации с электрокардиограммой: SYNC

Функция отображения при синхронизации с электрокардиограммой (SYNC) отображает только изображения с отметкой синхронизации с электрокардиограммой, отображаемой на форме сигнала ЭКГ. Отслеживая временную фазу кривой сигнала ЭКГ, можно получить изображение любой временной фазы.

### Предварительные условия

- Присвойте функции [ECG Sync], [R-Delay Time] и [B/Sync Mode] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]).

### Процедура

1. Отобразите кривую ECG.
2. В меню функций выберите [ECG Sync].  
Отметка SYNC отображается на кривой сигнала ECG изображения В-режима. На экране отображается время DELAY R-зубца.

3. Скорректируйте время SYNC.

#### Настройка времени SYNC

Устанавливается с интервалами 10 ms при использовании [R-Delay Time] в меню функций.

Если отображается сообщение Range Limit: Selection is not available, значит, настраиваемый диапазон времени SYNC превышен. Повторите его настройку через меню функций.

#### Отображение нормального В-режима и режима ECG Sync в рядом

В меню функций установите для параметра [B/Sync Mode] значение "On".

## 3.16 Поиск

Функция поиска временно записывает в память системы изображение, полученное перед остановленным изображением и позволяет выполнить воспроизведение и изучение изображения после включения стоп-кадра. Если выполнить стоп-кадр в точно необходимый момент не удастся, можно использовать функцию поиска, вернуться к предыдущим изображениям и выбрать наиболее подходящее из них.

Если отображается кривая ЭКГ, то отметка поиска отображается на кривой ЭКГ. После выбора временной фазы можно выполнить поиск изображений и воспроизвести их. Функцию поиска можно использовать для поиска и изучения изображений В-режима, кроме того, ее можно использовать для прокрутки и изучения изображений М- и D-режима. При отображении нескольких изображений (например, при использовании вида двойного экрана) каждое изображение может записываться для воспроизведения и отображения отдельно. Однако если любое из изображений отображается в реальном времени, выполнять поиск или прокрутку по изображениям невозможно. При использовании функции поиска учитывайте следующие особенности.

- Количество изображений, которое можно сохранить в памяти, различается в зависимости от условий отображения, например, от вида использованного

датчика, режима отображения и глубины отображения: Это значит, что количество изображений, которое можно сохранить, не всегда одинаково.

- Выполнять поиск или прокрутку можно только по тем изображениям, которые зарегистрированы в памяти системы.  
Если выполнить стоп-кадр сразу после отмены остановки изображения, для поиска и прокрутки будут доступны только изображения, записанные в память за время этого интервала, даже если память не заполнена полностью.  
Если емкость памяти будет превышена, изображения, сохраненные перед захватом стоп-кадра, будут стираться в хронологическом порядке, начиная с наиболее старого изображения. Ни поиск, ни прокрутка стертых изображений невозможны.
- Все изображения, записанные в память, удаляются при изменении условий отображения, например, режима или глубины отображения, или при отмене захвата стоп-кадра.

### 3.16.1 Воспроизведение изображений кинопамяти

#### Поиск и прокрутка

##### 1) Поиск

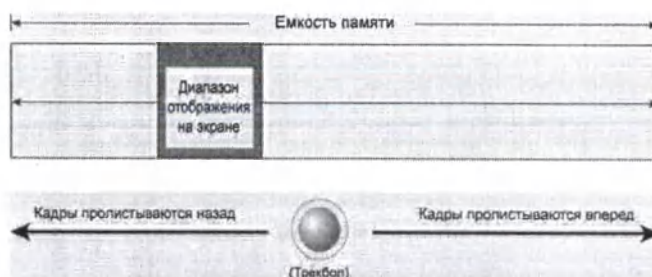
При поиске с движением вперед происходит поочередное отображение изображений, сохраненных в памяти, пока не будет достигнуто последнее (самое новое) изображение. При поиске с движением назад происходит отображение изображений в обратном порядке, пока не будет достигнуто первое (самое старое) изображение.



В режиме стоп-кадра отображается поисковый номер (например 23/176). Левая часть этого номера представляет собой номер кадра отображаемого изображения, а правая часть обозначает общее количество кадров изображений, сохраненных в памяти.

##### 2) Прокрутка

Диапазон отображения можно перемещать между первым и последним изображением в памяти.

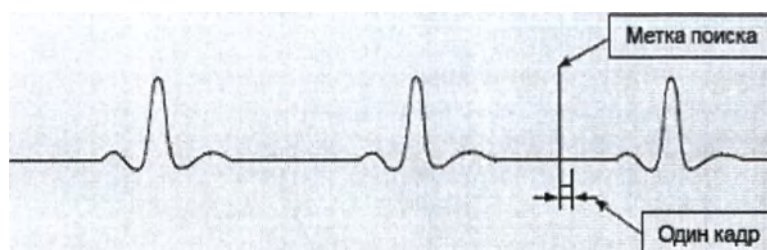


#### Метка поиска



Если кривая ECG отображается на экране В-режима или 2В-режима, метка поиска будет выведена на кривой ECG.

Метка поиска перемещается по мере поиска изображений. Метка поиска содержит сведения об отображаемом изображении, в том числе, его положение в памяти и временную фазу на кривой ECG.



### 3.16.2 Поиск и прокрутка изображений режимов В,М и РW

#### Процедура

1. Нажмите клавишу [Freeze].  
Изображение будет остановлено.
2. Если для параметра отображения T.B.F. не установлено значение «Playback», то нажмите клавишу [T.B.F.] и установите для T.B.F. значение «Playback».
3. Выполните поиск или прокрутку в желаемом диапазоне изображений с помощью трекбола.
  - Прокрутка трекбола вправо соответствует поиску или прокрутке в направлении вперед.
  - Прокрутка трекбола влево соответствует поиску или прокрутке в направлении назад.

### 3.16.3 Поиск и прокрутка изображений режимов В/М, и В/PW

#### Процедура

1. Нажмите клавишу [Freeze].  
Изображение будет остановлено.
2. Если для параметра отображения T.B.F. не установлено значение «Playback», то нажмите клавишу [T.B.F.] и установите для T.B.F. значение «Playback».
3. Поиск или прокрутка.
  - Используйте трекбол для поиска или прокрутки по активным изображениям.
  - Используйте поворотный регулятор [Pointer] для поиска или прокрутки по неактивным изображениям.

### 3.16.4 Циклическое воспроизведение

Эта функция непрерывно воспроизводит изображения, записанные в памяти (циклическое воспроизведение). Циклическое воспроизведение доступно в режимах 1В, 2В и 4В.

ПРИМЕЧАНИЕ: Во время операции циклического воспроизведения кнопка [HOME] недоступна.

#### Процедура

1. Нажмите клавишу [Freeze].  
Изображение будет остановлено.
2. Если для параметра отображения T.B.F. не установлено значение «Playback», то нажмите клавишу [T.B.F.] и установите для T.B.F. значение «Playback».
3. Прокрутите трекбол вверх.  
Начнется циклическое воспроизведение.  
Во время циклического воспроизведения метка поиска на шкале кинопетли не отображается. Диапазон изображений, входящих в цикл воспроизведения, формируется с использованием изображения, полученного сразу за остановленным изображением, в качестве опорной точки, и определяется частотой сердечных сокращений и настройками времени из параметров ECG Cycle и Time Cycle.
4. Настройте скорость циклического воспроизведения.
  - Прокручивайте трекбол вниз для уменьшения скорости циклического воспроизведения.  
Если скорость воспроизведения замедляется, происходит замедленное воспроизведение.
  - Прокручивайте трекбол вверх для увеличения скорости циклического воспроизведения.
5. Для остановки циклического воспроизведения прокрутите трекбол влево или вправо.  
Если отображается кривая ECG, метка поиска появляется в положении временной фазы, соответствующей отображаемому изображению.

#### Настройка диапазона циклического воспроизведения

Устанавливает границы кинопетли в желаемых положениях.

#### Процедура

1. Отобразите форму сигнала ЭКГ.
2. Нажмите клавишу [Freeze].  
Изображение будет остановлено.
3. Если для параметра отображения T.B.F. не установлено значение «Playback», то нажмите клавишу [T.B.F.] и установите для T.B.F. значение «Playback».
4. Установите начальный кадр петли.
  - а. Отобразите начальный кадр петли с помощью трекбола.

- б. Нажмите клавишу [Enter].  
Если отображается метка поиска, то отображается метка настройки временной фазы (белая пунктирная линия).
- 5. Установите конечный кадр петли.
  - а. Отобразите конечный кадр петли с помощью трекбола.
  - б. Нажмите клавишу [Enter].  
Экран вернется к начальному кадру.  
Если отображается метка поиска, то отображается метка настройки временной фазы (белая пунктирная линия).
- 6. Прокрутите трекбол вверх.  
Петля воспроизводится начиная с кадра, имеющего наименьший номер во временной фазе, и заканчивая кадром с наибольшим номером.

### **Одновременное циклическое воспроизведение изображений 2В и 4В**

Устанавливает границы кинопетли в желаемых положениях.

### **Процедура**

1. Отображение изображений режимов 2В или 4В.
2. Нажмите клавишу [Freeze].  
Изображение будет остановлено.
3. Если для параметра отображения T.B.F. не установлено значение «Playback», то нажмите клавишу [T.B.F.] и установите для T.B.F. значение «Playback».
4. Установите границы кинопетли для каждого экрана.
  - а. Нажмите на клавишу [Select], чтобы переключить активный экран.
  - б. Установите диапазон циклического воспроизведения.
5. Выберите режим воспроизведения, используя [Loop Mode] в меню функций.
  - "Long": настраивает воспроизведение для В-режима, в котором имеется большее количество воспроизводимых изображений. Циклическое воспроизведение экрана В-режима с меньшим количеством воспроизводимых изображений будет остановлено до тех пор, пока не завершится циклическое воспроизведение экрана В-режима с большим количеством воспроизводимых изображений.
  - "Short": настраивает воспроизведение для В-режима, в котором имеется наименьшее количество воспроизводимых изображений. В-режим, в котором имеется большее количество воспроизводимых изображений, закончит воспроизведение в то же время, что и В-режим, в котором есть наименьшее количество воспроизводимых изображений.
  - «"Align"»: экран В-режима с большим количеством изображений является ориентиром для установления продолжительности воспроизведения; продолжительность воспроизведения других петель изображений В-режима корректируется так, чтобы они все завершились одновременно.

- «"Free Run"»: циклическое воспроизведение для каждого экрана В-режима выполняется без синхронизации.
6. Прокрутите трекбол вверх.
- Петля воспроизводится начиная с кадра, имеющего наименьший номер во временной фазе, и заканчивая кадром с наибольшим номером.
- Циклическое воспроизведение останавливается при отмене стоп-кадра или при прокрутке трекбола влево или вправо.





## Вывод изображений

- 4.1 Вывод изображений
- 4.2 Сохранение статичных изображений
- 4.3 Сохранение видеофрагмента
- 4.4 Запись на устройство записи видео в формате HD
- 4.5 Печать изображений

## 4.1 Вывод изображений

Рассматриваемая система сохраняет изображения, используя функцию цифрового хранения, которая соответствует стандарту DICOM.

Изображения можно направить на ПК (или сервер) через сетевое соединение, используя ее цифровой интерфейс.

Система обладает следующими функциями.

- Запись и чтение изображений и информации DICOM с носителей, включая CD-R, HDD, DVD и запоминающее устройство USB с флэш-памятью.
- Преобразование снимков в форматы JPEG, TIFF и BMP, преобразование видеофрагментов в форматы AVI и MP4/MOV с последующей отправкой данных на различные носители информации.
- Подключение диагностической ультразвуковой системы непосредственно к информационной сети и передача данных изображения на ПК и сетевые серверы в формате изображений DICOM.
- Распечатывание записанных изображений с использованием принтера DICOM.

Помимо записи данных изображений и основной информации пациента, включая имя, ID, пол и дату рождения пациента, при сохранении изображений по стандарту DICOM сохраняется и другая информация, например, комментарии, цветовая палитра, название диагностической системы, информация о калибровке для воспроизведения измерений. Эта функция очень полезна для выполнения поиска изображений или измерений на воспроизводимом изображении.

Чтобы воспроизводить файлы снимков или видеофрагментов в формате DICOM на ПК, необходимо приобрести продаваемое отдельно программное обеспечение DICOM Viewer.

Сохраненные на внутреннем HDD снимки можно преобразовать в форматы BMP, TIFF, JPEG, а видеофрагменты можно преобразовать в форматы AVI или MP4/MOV для хранения. При отображении таких изображений на ПК необходимо использовать последние версии программ просмотра изображений, входящие в комплект операционной системы ПК, например: Microsoft Paint или Windows Media Player 12 или более новых версий, либо приобрести программное обеспечение для просмотра или редактирования изображений, поддерживающее работу с файлами форматов BMP, TIFF, JPEG, AVI и MP4/MOV

**ПРИМЕЧАНИЕ:** Во время распечатывания изображения кнопка HOME недоступна.

### 4.1.1 Важные сведения о записи изображений и носителях информации

Имеются 6 разных направлений, по которым могут быть отправлены изображения для записи, хранения и (или) вывода.

- Печатающее устройство: локальный принтер, принтер DICOM
- Локальный жесткий диск
- Запоминающее устройство USB с флэш-памятью

- CD-R Buffer
- DVD (DVD-RAM)
- Сетевой сервер

Все немедицинские изделия, подсоединенные к системе и используемые с ней, должны отвечать требованиям соответствующих стандартов IEC или ISO.

Если система выдает питание по шине на некоторые USB-устройства, может произойти превышение возможностей энергоснабжения системы. В этом случае обратитесь к нашему обслуживающему персоналу. Обратитесь в наш офис для вызова сервисного инженера.

При использовании указанных носителей или средств записи обратите внимание на следующее.

- Запоминающее устройство USB с флеш-памятью
  - Используйте доступные на рынке USB-носители класса хранилищ большой емкости, оснащенные световым индикатором доступа. Запрещается использовать устройства, оснащенные функцией шифрования или проверки подлинности.
  - Препятствием для использования некоторых изделий может стать их габаритный размер. Убедитесь, что устройство можно подключить к USB-разъему системы.
  - Снимите шнуры, прикрепленные к запоминающему устройству USB с флеш-памятью. Они могут помешать использованию.
  - Не извлекайте запоминающее устройство USB с флеш-памятью, пока световой индикатор запоминающего устройства USB мигает (во время передачи данных). Это может привести к повреждению записываемых данных.
- DVD (DVD-RAM)
  - Чтобы подключить привод DVD, присоедините привод DVD к системе, а затем запустите систему.
  - Если вы запустите систему, когда в приводе DVD находится диск, система может не распознать привод. Извлекайте диск перед выключением системы.
  - Если диск внутри привода будет подвергаться сильным вибрациям, он может быть поврежден. Вынимайте диски из привода перед перемещением системы.
  - Можно использовать диски CD-R и DVD-RAM для чтения и записи.
  - При записи на DVD-RAM используйте носитель, соответствующий стандарту DVD-RAM Ver. 2.1. Для записи и считывания данных можно использовать носители с объемом памяти 4.7 GB (односторонние) или 9.4 GB (двухсторонние) (без картриджа).
  - Настоящая система может выполнять форматирование носителя DVD-RAM. Она может выполнить форматирование в UDF или FAT32. Для двухсторонних носителей 9.4 GB форматирование выполняется для одной стороны за раз.
- CD-R Buffer



- При записи на CD-R используется внутреннее хранилище. Для записи на диск CD-R из CD-R buffer выберите CD-R на экране Image Viewer, Search Results.
- Сетевой сервер
  - Изображения отправляются в формате DICOM.

## Справочная информация

Глава 5, Просмотр изображений на странице 155

### 4.1.2 Форматы файла изображения

При нажатии клавиши [User 3 (Store)] изображения сохраняются в следующих форматах файла.

| Тип    | Носитель информации (Store Media) | Формат файла | Значок миниатюры                                                                  | Примечания                                                                                                                                                            |
|--------|-----------------------------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Снимок | HDD                               | Image        |  |                                                                                                                                                                       |
|        | USB<br>CD-R Buffer<br>DVD         | DICOM        |  | К данным изображения добавляются информация о пациенте и информация о коэффициенте масштабирования. Информация о цвете сохраняется как Palette* <sup>1</sup> или RGB. |
|        |                                   | JPEG         |                                                                                   | Формат JPEG.                                                                                                                                                          |
|        |                                   | BMP          |                                                                                   | Формат Bitmap.                                                                                                                                                        |
|        |                                   | TIFF         |                                                                                   | Формат TIFF.                                                                                                                                                          |
|        | NET (DICOM)                       | DICOM        | -                                                                                 | При передаче на сервер по сети файлы преобразуются в формат DICOM. Информация о цвете сохраняется как Palette* <sup>1</sup> , RGB или Monochrome.                     |

| Тип   | Носитель информации (Store Media) | Формат файла | Значок миниатюры                                                                   | Примечания                                                                                                                                                                                                                                                   |
|-------|-----------------------------------|--------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Видео | HDD                               | Line         |  | Можно сохранять видеоданные для каждого из следующих режимов: B, B/Flow, B/Power и B/eFlow.<br>Данные режимов B/M, M, B/PW, PW, B/CW, CW и DSD сохранить нельзя.<br>Файлы в этих форматах сохраняются на внутреннем HDD независимо от настройки Store Media. |
|       | HDD<br>USB<br>CD-R Buffer<br>DVD  | Video Clip   |  |                                                                                                                                                                                                                                                              |

\*1.

Если информация о цвете сохранена в формате DICOM с использованием формата Palette, то данные о яркости, скорости потока и дисперсии будут сохранены отдельно от информации о цвете. Некоторые средства просмотра могут отображать цвета режима Flow неверно.

Видеофрагменты, сохраненные в системе, можно отобразить или воспроизвести на внешних устройствах, например, на ПК, следующим способами.

- Воспроизведите видеофрагменты Line в режиме Full Screen и, во время воспроизведения, снова сохраните в виде Video Clip.
- Сохраните в формате DICOM, AVI, MP4 или MOV в Video Clip.
- Храните видеофрагменты Line в формате Multi Image, AVI, MP4 или MOV.

## 4.2 Сохранение статичных изображений

Воспользуйтесь этой функцией для сохранения отображаемого экрана в виде статичного изображения. Если изображения, хранящиеся на жестком диске системы или изображения DICOM, хранящиеся на носителе информации, воспроизводятся и сохраняются в формате DICOM, то воспроизводимые изображения сохраняются как снимки экрана.

### 4.2.1 Изменение формата и места сохранения статичных изображений

Установите место сохранения в меню функций или в предустановке.

Чтобы сохранять снимки необходимо настроить следующие элементы. Установите элементы с помощью меню функций или предустановкой ([Preset Set-Up Menu > Store, Cine]).

I) Store Media: устанавливает носитель информации для сохранения данных.

II) Format Type (Still): устанавливает формат сохранения.

Доступные форматы сохранения различаются в зависимости от носителя информации.

Таблица 1. Форматы и носители информации

| Носитель информации                                                          | Доступные форматы хранения |
|------------------------------------------------------------------------------|----------------------------|
| «HDD»: Локальный жесткий диск                                                | -                          |
| «USB»: запоминающее устройство USB с флеш-памятью                            | "DICOM"<br>"JPEG"          |
| "CD-R Buffer":<br>буфер, используемый при записи CD-R<br>(внутренняя память) | "BMP"<br>"TIFF"            |
| «DVD»: запись непосредственно на DVD                                         |                            |
| «NET(DICOM)»: сетевой сервер                                                 | "DICOM"                    |

## 4.2.2 Сохранение статичных изображений

### Предварительные условия

Введите ID пациента. Не введя ID пациента сохранять изображения невозможно.

### Процедура

1. Нажмите клавишу [Freeze] и переведите изображение в режим стоп-кадра.
2. Если требуется, измените место сохранения и формат.
3. Нажмите клавишу [User 3 (Store)].  
Снимок сохраняется на носитель информации, указанный параметром Store Media.  
Если изображение сохранено на внутреннем HDD, оно будет отображено на правой стороне экрана в виде миниатюры.

## 4.3 Сохранение видеофрагмента

Чтобы сохранять видеофрагменты, необходимо настроить следующие элементы.

Установите эти элементы с помощью меню функций или предустановки ([Preset Set-Up Menu > Store, Cine]).

| Название элемента | Описание                                                                                                                                                                                                   |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Store Media       | Если используется формат сохранения "Line", то файлы сохраняются на внутреннем HDD независимо от настройки.<br>Если используется формат сохранения "Video Clip", то файлы сохраняются в настроенном месте. |
| Data Format       | Формат "Line" или "Video Clip".                                                                                                                                                                            |



| Название элемента              | Описание                                                                                                                                                                                    |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acquisition Mode               | Выберите либо "PreTime", либо "PostTime".<br>После нажатия клавиши [User 3 (Store)] будет сохранен видеофрагмент настроенной продолжительности.* <sup>1</sup>                               |
|                                | Выберите либо "PreECG", либо "PostECG".<br>После нажатия клавиши [User 3 (Store)] сохраняется видеофрагмент продолжительностью в настроенное число сердечных сокращений.* <sup>2</sup>      |
|                                | "Manual":<br>Нажмите один раз клавишу [User 3 (Store)], чтобы начать сохранение видеофрагмента, а затем снова нажмите клавишу [User 3 (Store)] для завершения.                              |
| Auto Loop (Tile)* <sup>3</sup> | "On": воспроизводит сохраняемый диапазон в виде кинопетли и сохраняет его после подтверждения изображения.<br>"Off": Записывает сохраняемый диапазон, не воспроизводя его в виде кинопетли. |
| Video Clip Auto Stop           | Сохраняет видео в формате Video Clip, воспроизводит этот диапазон в виде кинопетли и сохраняет его как данные Line.                                                                         |

\*1.

Установите с помощью Time Cycle в меню функций или с использованием предустановок ([Store, Cine]).

\*2.

Установите с помощью ECG Cycle в меню функций или с использованием предустановок ([Store, Cine]).

\*3.

Можно задать эти элементы с помощью предустановки ([Preset Set-Up Menu] > [Store, Cine]). Эта возможность доступна, если установлен формат сохранения "Line".

### 4.3.1 Сохранение указанного диапазона как видеофрагмента формата Line: Pre Time/Pre ECG

Можно сохранить захваченный видеофрагмент установленной продолжительности от момента нажатия клавиши [User 3 (Store)] позднее.

Для формата Line имеются ограничения по режимам изображения, которые могут быть сохранены. Режимы 1B, B/B, 4B и Flow можно использовать для сохранения активных изображений. Режим Dual CF можно использовать для сохранения Flow изображений.

#### Предварительные условия

Присвойте функцию [Acquisition Mode] меню функций, используя предустановку ([Preset Set-Up Menu] > Menu-Function)) и выберите "Pre Time" или "Pre ECG".

**Если параметр [Auto Loop (Tile)] задан как "Off"**

Записывает сохраняемый диапазон, не воспроизводя его в виде кинопетли.

#### Процедура

1. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)].



Будет сохранен существующий видеофрагмент, имеющий продолжительность, установленную параметром Time Cycle или ECG Cycle, начиная с момента нажатия клавиши [User 3 (Store)].

Если выбран вариант Pre ECG и отсутствует синхронизация с ЭКГ, то будет отображено сообщение It failed in the store of this images!. Изображение на экране будет остановлено.

**Если параметр Auto Loop (Tile) задан как "On"**

Воспроизведите указанный сектор в кинопетле, а затем сохраните его.

1. Отобразите форму сигнала ЭКГ.
2. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)]. Будет воспроизведен существующий видеофрагмент, имеющий продолжительность, установленную параметром Time Cycle или ECG Cycle, начиная с момента нажатия клавиши [User 3 (Store)]. В верхней части экрана отображается следующее сообщение.  
«Accept this images or cycle: Press STORE sw»  
«Retry: Press Cancel sw»  
Если выбран вариант Pre ECG и отсутствует ECG sync, то будет отображено сообщение It failed in the store of this images!. Изображение на экране будет остановлено.
3. Воспользуйтесь трекболом для выбора сектора кинопетли.
4. Проверьте изображение и нажмите клавишу [User 3 (Store)]. Изображения будут сохранены на жестком диске системы. Миниатюра отображается в правой части экрана.  
Чтобы отменить захват видеофрагмента, нажмите клавишу [Cancel]. Хранение данных также отменяется нажатием переключателя [Freeze], однако при этом не очищаются данные последнего изображения из кинопамяти.

### 4.3.2 Сохранение указанного диапазона как видеофрагмента формата Line: Post Time/Post ECG

Можно сохранить видеофрагмент указанной продолжительности времени и начинающийся с момента нажатия клавиши [User 3 (Store)].

Для формата Line имеются ограничения по режимам изображения, которые могут быть сохранены. Режимы 1B, B/B, 4B и Flow можно использовать для сохранения активных изображений. Режим Dual CF можно использовать для сохранения Flow изображений.

#### Предварительные условия

Присвойте функцию [Acquisition Mode] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]) и выберите "Post Time" или "Post ECG".

Если параметр [Auto Loop (Tile)] задан как "Off"

Записывает сохраняемый диапазон, не воспроизводя его в виде кинопетли.

#### Процедура

1. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)].

Сохраняет видеофрагмент, продолжительность которого установлена параметром Time Cycle или ECG Cycle и который начинается с момента нажатия клавиши [User 3 (Store)].

Если выбран вариант Post ECG и отсутствует синхронизация с ЭКГ, то будет отображено сообщение It failed in the store of this images!. Изображение на экране будет остановлено.

**Если параметр [Auto Loop (Tile)] задан как "On"**

Воспроизведите указанный сектор в кинопетле, а затем сохраните его.

### Процедура

1. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)]. Видеофрагмент воспроизводится как кинопетля, имеющая продолжительность, установленную параметром Time Cycle или ECG Cycle, начиная с момента нажатия клавиши [User 3 (Store)].  
В верхней части экрана отображается следующее сообщение.  
«Accept this images or cycle: Press STORE sw»  
«Retry: Press Cancel sw»  
Если выбран вариант Post ECG и отсутствует синхронизация с ЭКГ, то будет отображено сообщение It failed in the store of this images!. Изображение на экране будет остановлено.
2. Воспользуйтесь трекболом для выбора сектора кинопетли.
3. Проверьте изображение и нажмите клавишу [User 3 (Store)].  
Изображения будут сохранены на жестком диске системы. Миниатюра отображается в правой части экрана.  
Чтобы отменить захват видеофрагмента, нажмите клавишу [Cancel]. Хранение данных также отменяется нажатием переключателя [Freeze], однако при этом не очищаются данные последнего изображения из кинопамяти.

## 4.3.3 Сохранение указанного диапазона как видеофрагмента формата Video Clip: Pre Time/Pre ECG

Можно сохранить захваченный видеофрагмент установленной продолжительности от момента нажатия клавиши [User 3 (Store)] позднее.

### Предварительные условия

Присвойте функцию [Acquisition Mode] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]) и выберите "Pre Time" или "Pre ECG".

### Процедура

1. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)].  
Будет сохранен существующий видеофрагмент, имеющий продолжительность, установленную параметром Time Cycle или ECG Cycle, начиная с момента нажатия клавиши [User 3 (Store)].

Если выбран вариант Pre ECG и отсутствует ECG sync, то будет отображено сообщение It failed in the store of this images!. Изображение на экране будет остановлено.

#### 4.3.4 Сохранение указанного диапазона как видеоклипа формата Video Clip: Post Time/Post ECG

Можно сохранить видеоклип указанной продолжительности времени с момента нажатия клавиши [User 3 (Store)].

##### Предварительные условия

Присвойте функцию [Acquisition Mode] меню функций, используя предустановку ([Preset Set-Up Menu > Menu-Function]) и выберите "Post Time" или "Post ECG".

##### Процедура

1. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)]. Сохраняется видео за период времени, указанный в Time Cycle или ECG Cycle, начиная с момента выбора [User 3 (Store)].  
Если выбран вариант Post ECG и отсутствует ECG sync, то будет отображено сообщение It failed in the store of this images!. Изображение на экране будет остановлено.

#### 4.3.5 Сохранение видеоклипа произвольной продолжительности

Можно сохранить видеоклип, который начинается с момента нажатия клавиши [User 3 (Store)] и продолжается до повторного нажатия клавиши [User 3 (Store)].  
Для формата Line имеются ограничения по режимам изображения, которые могут быть сохранены. Режимы 1B, B/B, 4B и Flow можно использовать для сохранения активных изображений. Режим Dual CF можно использовать для сохранения Flow изображений.

##### Предварительные условия

Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Acquisition Mode] меню функций, а затем выберите "Manual".

##### Процедура

1. Откройте изображение в реальном времени и нажмите клавишу [User 3 (Store)]. Видеоклип будет импортирован.  
Чтобы отменить захват видеоклипа, нажмите [Cancel].  
Если продолжительность захватываемого видеоклипа в формате видеоклипа превысит 180 секунд, то захват данных прекратится. Максимальная продолжительность захваченного видеоклипа для формата Line зависит от настроек, действующих на момент его захвата.
2. Нажмите клавишу [User 3 (Store)].  
Импорт изображения завершится.

Если используется формат сохранения «Line», а для параметра Auto Loop (Tile) установлено значение "On", то изображение не сохраняется, а соответствующие кадры будут воспроизводиться как кинопетля.

«Accept this images or cycle: Press STORE sw»

«Retry: Press Cancel sw»

Чтобы сохранить изображения, нажмите клавишу [User 3 (Store)].

#### 4.3.6 Сохранение в формате Video Clip с продолжительностью как у данных Line

Можно захватить видеофрагмент в формате Video Clip (1B, 2B, 4B, Flow, или Dual CF), воспроизвести эту последовательность в форме кинопетли и сохранить ее как данные Line.

##### Предварительные условия

1. Переключите Video Clip Auto Stop в положение "On" в предустановке ([Preset Set-Up Menu > Store, Cine]).
2. Используйте предустановку ([Preset Set-Up Menu > Menu-Function]) для присвоения [Acquisition Mode] меню функций, а затем выберите "Manual".

##### Процедура

1. Сохраните видеофрагмент желаемой продолжительности.  
При сохранении изображения оно останавливается.  
Если видеозапись не сохраняется, отображается сообщение The Cine memory is cleared. Video Clip Auto Stop is off. Если отображается это сообщение, попробуйте повторно сохранить видеозапись.
2. Воспроизведите кинопетлю.
  - а. Если для параметра отображения T.B.F. не установлено значение «Playback», то нажмите клавишу [T.B.F.] и установите для T.B.F. значение «Playback».
  - б. Прокрутите трекбол вверх.
3. Нажмите клавишу [User 3 (Store)].  
Диапазон циклического воспроизведения (диапазон, сохраненный в формате Video Clip) сохраняется в формате Line.

#### 4.3.7 Сохранение видеозаписи В-режима за указанный период после остановки изображения

Можно сохранить изображения, используемые для циклического воспроизведения, как видеофрагмент. Можно указать диапазон циклического воспроизведения и сохранить этот период как видеофрагмент.

Режимы 1B, B/B, 4B и Flow можно использовать для сохранения активных изображений.



## Процедура

1. Нажмите клавишу [Freeze] и переведите изображение в режим стоп-кадра.
2. Установите диапазон циклического воспроизведения.
3. Прокрутите трекбол вверх и воспроизведите кинопетлю.
4. Во время циклического воспроизведения нажмите клавишу [User 3 (Store)].  
Видеофрагмент из диапазона циклического воспроизведения будет сохранен в указанном формате.  
Если выбран формат Video Clip, то диапазон циклического воспроизведения воспроизводится с начала при 30 Hz и сохраняется. Когда воспроизведение завершится, сохранение будет закончено и возобновится обычное циклическое воспроизведение.  
Если выбран формат Line, то обычное циклическое воспроизведение возобновляется после завершения сохранения.

## 4.4 Запись на устройство записи видео в формате HD

К системе можно подключать следующие устройства записи видео в формате HD. Подробные сведения о дисках, которые можно использовать для записи или воспроизведения, о мерах предосторожности при обращении с дисками, порядке их хранения и очистки, см. в документации устройства записи видео в формате HD. Устройства записи видео в формате HD, которые можно подключить к системе

| Модель записывающего устройства | Привод DVD | Формат изображения | Прочее                                                                                                                                                                                             |
|---------------------------------|------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HVO-550MD /FHD (SONY)           | Доступно   | MP4: AVCHD         | MP4: может быть воспроизведено на компьютере.<br>AVCHD: может быть воспроизведено на AVCHD, совместимом с имеющимися в продаже проигрывателями DVD.<br>Можно записывать и копировать на DVD-R-диск |

### ОСТОРОЖНО!



**Запрещается выполнять ремонт, разбирать или модифицировать устройства для записи видео в формате HD.**

При поставке устройства для записи видео в формате HD его монтаж выполняют специалисты нашей технической службы.

Если устройство нуждается в ремонте, обращайтесь к нам.



При возникновении следующих ситуаций см. документацию, поставляемую с устройством для записи видео в формате HD.

- Ошибки финализации
- Неожиданные перебои электроснабжения и т. п. во время использования

- Для воспроизведения записанных DVD на проигрывателе DVD или других DVD-совместимых изделиях диск необходимо финализировать.
- Мы не несем ответственности за потерю данных, связанную с внезапными неблагоприятными событиями, неисправностями или неправильной эксплуатацией. Сделайте резервные копии важных данных.
- Перед выключением системы убедитесь, что световой индикатор доступа на устройстве для записи видео в формате HD не светится.  
Если выключить систему при светящемся или мигающем индикаторе доступа, устройство для записи видео в формате HD, привод, диск или содержимое диска могут быть повреждены.

#### 4.4.1 Запись на устройство записи видео в формате HD

Запись на устройство записи видео в формате HD (HDD).

Ниже представлены основные операции для записи, приостановки и остановки этого изделия.

Перед записью необходимо ввести информацию пациента (ID, имя). Присвойте функцию [Rec] пользовательскому переключателю в предустановке (Preset Set-Up Menu > Custom SW)). Присвойте функцию [EXT] пользовательскому переключателю или программной кнопке, используя предустановку ((Preset Set-Up Menu > Custom SW или Software Button)).

ПРИМЕЧАНИЕ: Сведения об использовании устройства для записи видео в формате HD см. в документации этого устройства записи.

##### Процедура

1. Нажмите пользовательский переключатель [Rec].  
-> Начнется запись. Во время записи в левом верхнем углу экрана будет отображаться горящий индикатор выполнения записи.  
ПРИМЕЧАНИЕ: Не отключайте питание этого изделия во время выполнения записи. Выключение питания может привести к повреждению всех файлов.
2. Если требуется остановить запись, используйте пользовательский переключатель [Rec].  
-> Запись прекратится. Повторное нажатие [Rec] возобновит запись.  
Том — это записанный сегмент, который начинается при нажатии [Rec] (для начала записи) и оканчивается при нажатии [New Patient] или [EXT] (для остановки записи).  
Можно разделять том на несколько глав, нажимая [Rec] (для приостановки записи) и повторно нажимая [Rec] (для возобновления записи), и повторяя эту операцию для каждой главы.



## 4.4.2 Воспроизведение изображений с HDD устройства записи видео в формате HD

Можно воспроизводить изображения с устройства HD-видеозаписи (HDD).  
Присвойте функцию [EXT] пользовательскому переключателю или программной кнопке, используя предустановку ([Preset Set-Up Menu > Custom SW или Software Button]).

### Процедура

1. Нажмите [EXT], присвоенную пользовательскому переключателю или программной кнопке, при отображении экрана сканирования.  
→ Статус меняется на состояние отображения сигналов с устройства HD-видеозаписи на экране монитора (состояние EXT).
2. Выберите [List] в меню функций.  
→ Появляется список записей.
3. Выберите файл изображения.  
→ Начнется воспроизведение изображения.  
Для перехода к следующей главе во время воспроизведения выберите «<» или «>» в [Index Search] в меню функций.  
Для перехода к следующему изображению во время воспроизведения выберите «<» или «>» в [Title Search] в меню функций.

### (1) Меню воспроизведения на сенсорной панели

| Меню           | Описание                                                                 |
|----------------|--------------------------------------------------------------------------|
| Audio Volume   | Корректирует громкость звука для воспроизводимого изображения.           |
| Counter Search | Пропускает указанный период воспроизведения.                             |
| Eject          | Извлекает диск.                                                          |
| Index Search   | Переходит в начало каждой главы в выбранном файле изображения.           |
| FF             | Выполняет ускоренную прокрутку вперед воспроизводимого изображения.      |
| Frame Back     | Выводит на экран предыдущий кадр (на паузе).                             |
| Frame Forward  | Выводит на экран следующий кадр (на паузе).                              |
| Title Search   | Переходит к началу следующего файла изображения.                         |
| Pause          | Приостановка воспроизведения.                                            |
| Play           | Воспроизводит изображения.                                               |
| Play Speed     | Корректирует скорость воспроизведения.                                   |
| REW            | Воспроизводит изображения в обратном направлении с 10-кратной скоростью. |
| Stop           | Останавливает воспроизведение.                                           |
| List           | Открывает список записей.                                                |

## 4.5 Печать изображений

Изображения можно распечатать на принтерах, соединенных с системой.

Изображения можно распечатывать как из режима реального времени, так и из состояния стоп-кадра.

Заранее настройте размер вывода (только для цифровых принтеров) и формат, используя предустановку ([Common Preset] > [Print Select]).

### 4.5.1 Печать изображений из отображений в реальном времени

#### Предварительные условия

1. В предустановках ([Common Preset > Print (Realtime)]) установите метод печати для Archive Group 1 – Archive Group 3.

#### Процедура

1. Отобразите оптимальное изображение при просмотре в режиме реального времени.
2. Нажмите клавишу [User 2 (Print)].  
Изображение, отображавшееся при нажатии клавиши [User 2 (Print)], будет распечатано как снимок.  
Если отображается сообщение <FREEZE> the image, Then try again., то текущий принтер не присвоен этой кнопке через предустановки ([Common Preset > Print (Realtime)]). Нажмите кнопку, присвоенную текущему принтеру.

### 4.5.2 Печать остановленных изображений

#### Предварительные условия

1. В предустановках ([Common Preset > Print (Freeze)]) установите несколько методов печати в Archive Group 1 – Archive Group 3.

#### Процедура

1. Найдите лучшее изображение.
2. Нажмите клавишу [User 2 (Print)].  
Отображенное изображение будет напечатано в виде снимка.

#### Справочная информация

3.16 Поиск на странице 132





Выход изображений

## Просмотр изображений

Изображения, сохраненные на жесткий диск системы, можно воспроизвести или сохранить на подключенный USB-носитель или DVD. Изображения, сохраненные на подключенный USB-носитель или DVD, можно воспроизвести или сохранить на другой носитель.

- 5.1 Экран воспроизведения изображения
- 5.2 Выполнение поиска изображений с использованием экрана поиска
- 5.3 Копирование изображений и документов на жесткий диск системы
- 5.4 Выбор изображений
- 5.5 Изменение схемы вывода изображений на экран
- 5.6 Удаление изображений
- 5.7 Копирование изображений
- 5.8 Вывод изображений
- 5.9 Проверка свободного места

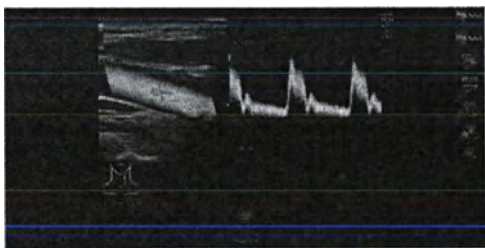
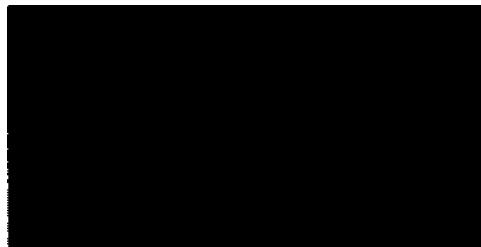
## 5.1 Экран воспроизведения изображения

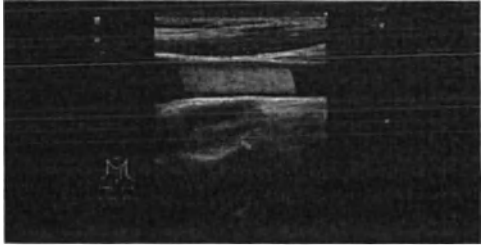
Средства просмотра позволяют выполнять поиск и воспроизведение изображений, записанных на внутренний или внешний носитель, а также сохранять или передавать их на внешние хранилища.

ПРИМЕЧАНИЕ: При отображении экрана Review кнопка HOME недоступна.

### 5.1.1 Экран Review

Файлы изображения, сохраненные на внутренний или внешний носитель, можно воспроизвести на следующем экране.

|                                                                                     |                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Current View</b><br>Отображает изображения выполняемого исследования. При сохранении изображения в области миниатюр отображается миниатюра сохраненного изображения.                                                                                                                                    |
|   | <b>Image Viewer</b><br>Отображает список изображений, выбранных в Search Results View. Сразу после нажатия [Review] на вкладке [Accessories] в меню функций отображается список сохраненных изображений пациента, проходящего исследование. Номер изображения выводится в верхнем правом углу изображения. |
|  | <b>Find View</b><br>Выполните поиск необходимой информации о пациенте.                                                                                                                                                                                                                                     |
|  | <b>Search Results View</b><br>Отображает результаты поиска в списке Patient. В списке Patient отображаются миниатюры выбранного пациента.                                                                                                                                                                  |

|                                                                                   |                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Details View</b><br/> Отображает данные исследования для изображений, выбранных в Search Results View. Они отображаются, если в Search Results View выбрано значение [Detail].<br/> Если на экране Details View выбрать [Close], произойдет возврат к Search Results View.</p> |
|  | <p><b>Full Screen View</b><br/> При использовании этого вида выбранные изображения отображаются в размере, в котором они были сохранены. Меню управления воспроизведением отображается в меню функций.</p>                                                                           |

## Миниатюры

На каждой миниатюре отображается номер изображения и значок, обозначающий тип данных. Номер изображения отображается даже при использовании Image Viewer.



: Значок типа изображения

Отображает тип изображения значком.

«1-1»: номер изображения отображается в правом верхнем углу миниатюры.

Это порядковый номер, который указывает series изображений в каждом study.

Следующие значки используются для указания типа изображения.

|                                                                                     |                            |
|-------------------------------------------------------------------------------------|----------------------------|
|  | Снимок (Image)             |
|  | Видеофрагмент (Line)       |
|  | Видеофрагмент (Video Clip) |

|           |                                                                                                                                                            |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Зеленый   | Изображения, сохраненные на жестком диске системы                                                                                                          |
| Голубой   | Изображения, сохраненные на внешнем носителе                                                                                                               |
| Синий     | Изображения, направленные на сервер, поддерживающий Storage Commitment Service Class DICOM, по которым получен ответ от сервера с подтверждением получения |
| Оранжевый | Изображения, отправленные на сервер, не поддерживающий DICOM Storage Commitment Service Class                                                              |
| Желтый    | Изображения, полученные с помощью DICOM QR                                                                                                                 |



## Корневое меню

Это меню, которое отображается в нижней части экрана в Image Viewer, Search Results View или Details View.

Рисунок 1: Image Viewer

|        |        |        |      |                   |           |       |
|--------|--------|--------|------|-------------------|-----------|-------|
| Export | DICOM  | Image  | Loop | Window            | File Form | 1 / 1 |
| Find   | Delete | Viewer | CD-R | 3D Reconstruction |           | Exit  |

Рисунок 2: Search Results View, Details View

|      |        |        |      |                   |  |      |
|------|--------|--------|------|-------------------|--|------|
| Find | Delete | Viewer | CD-R | 3D Reconstruction |  | Exit |
|------|--------|--------|------|-------------------|--|------|

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| [Find]              | Переключитесь к Find View.                                                                                    |
| [Delete]            | Удаляет выбранное изображение.                                                                                |
| [Viewer]            | Выполняет переключение к виду Image Viewer.                                                                   |
| [CD-R]              | Копирует данные из CD-R Buffer в CD-R.                                                                        |
| [3D Reconstruction] | 3D-изображение будет реконструировано и ведено на экран.                                                      |
| [Exit]              | Возврат на экран сканирования.                                                                                |
| [Export]            | Преобразует выбранные изображения через Image Viewer в формат PC и сохраняет их в указанное место назначения. |
| [DICOM]             | Выводит выбранные изображения через Image Viewer в формат DICOM.                                              |
| [Image]             | Выполняет масштабирование, повороты и (или) инвертирование изображений, выбранных в Image Viewer.             |
| [Loop]              | Воспроизводит выбранное изображение в Image Viewer.                                                           |
| [Window]            | Задаёт схему отображения и переключение страниц для миниатюр.                                                 |
| [File Form]         | Выбирает тип изображения, отображаемого в Image Viewer.                                                       |

## 5.1.2 Воспроизведение изображений

Воспроизводит выбранное изображение в полноэкранном режиме в Image Viewer.

### Процедура

- Выберите необходимые изображения и дважды нажмите клавишу [Enter] для воспроизведения.
- Выберите [Full Screen] или [Window > Image Layout] из корневого меню. Начнется воспроизведение изображения. Если выбрано несколько изображений, воспроизводится первое изображение.

### Меню функций

Следующие элементы меню можно использовать из вкладки [Full Screen] при открытии меню функций в виде Full Screen View.

| Menu                | Описание                                                                                                     |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Playback Start/Stop | Воспроизводит изображения в кинопетле. Кроме того, этот элемент останавливает воспроизведение изображения.   |
| Frame Prev/Next     | Когда видеофрагмент остановлен, этот элемент отображает предыдущий или следующий относительно текущего кадр. |

| Menu                 | Описание                                                                           |
|----------------------|------------------------------------------------------------------------------------|
| Loop Speed Down / Up | Уменьшает или увеличивает скорость циклического воспроизведения.                   |
| Full Screen View     | Возвращает отображение Image View.                                                 |
| Image Prev/Next      | При выборе нескольких изображений отображает следующее или предыдущее изображение. |
| Original             | Устраняет корректировки изображений и возвращает изображения к исходному виду.     |
| Return to US         | Возврат на экран сканирования.                                                     |

### Корректировка изображений в полноэкранном виде

Для корректировки изображений, отображаемых в полноэкранном виде из видеоданных, захваченных в формате Line. Используя клавиши панели операций и предустановку ([Preset Set-Up Menu > Menu-Function]), внесите корректировки из меню, присвоенных вкладке Other меню функций. Меню представлены ниже.

Клавиши панели операций

- Клавиша [Gain]
- Клавиша [CF]: Отображает или скрывает цветовые режимы (Flow, Power Doppler, eFlow)

Меню функций

- [Dynamic Range]
- [Gamma Curve]
- [Saturation]
- [Rejection]
- [Graymap]
- [Baseline Shift (Color)]
- [Invert Color Map]
- [Priority Level]
- [Rejection (Color)]
- [Color Map (B/M)]
- [Color Map (Color)]
- [Display Priority]

### Процедура

1. Отобразите изображение в режиме Full Screen.
2. Установите [Playback] на вкладке [Full Screen] в меню функций, чтобы перейти в состояние "Stop".
3. Переключитесь на вкладку Other меню функций и выберите меню корректировки.

Внесите коррективы в изображение. Если переключиться на другое изображение или вернуться в режим Image Viewer, любые коррективы изображений, сделанные до этого момента, будут утеряны. Изображения, подвергнутые коррективке, сохранены быть не могут.

## 5.2 Выполнение поиска изображений с использованием экрана поиска

Эта функция позволяет выполнить поиск изображений, сохраненных в системе или вне ее.

### Предварительные условия

При необходимости присвойте функцию [Review] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

### Процедура

1. Выберите [Review] на вкладке [Accessories] в меню функций или выберите программную кнопку [Review].

Будет отображен Image Viewer.

2. Выберите [Find].

Экран переключится в Find View.

Экран будет отличаться в соответствии с настройкой Auto Input (Review) предустановки ([Common Preset > Common2]).

При состоянии "Off"

При состоянии "On"

3. Установите условия поиска.

Таблица 2. Параметры условий поиска

|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Device Name | Local HD                                                                                                                    |
| ID          | Указывает Patient ID. Введите "*" после ключевого слова для поиска с подстановочными знаками.                               |
| Name        | Указывает Patient Name. Введите "*" после ключевого слова для поиска с подстановочными знаками.                             |
| Study ID    | Указывает Study ID. Введите "*" после ключевого слова для поиска с подстановочными знаками.                                 |
| Study Date  | Если параметры [Today], [Yesterday], [Last one week], [Last one month] или [Date spec] заданы как [On], можно указать дату. |



|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| Application        | Указывает Application.                                                          |
| Referring Phys     | Если эти параметры выбраны из списка, они будут установлены как условия поиска. |
| Reporting Phys     |                                                                                 |
| Sonographer        |                                                                                 |
| Study Description  |                                                                                 |
| Series Description |                                                                                 |

#### Установка условий поиска из истории поиска

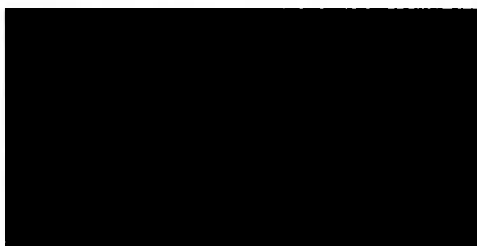
Выберите ▼ в полях условий.

Раскрывающийся список отображает в форме текстовых строк 6 последних записей в каждом поле условий.

#### Очистка истории поиска

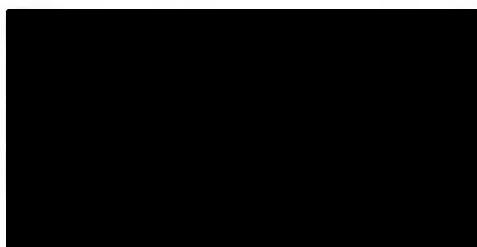
Нажмите клавишу [Cancel] в области Find View, чтобы отобразить всплывающее меню, и выберите [History Clear].

4. Выберите [Search].  
Результаты поиска отображаются в списке Patient области Search Results View.
5. Выберите необходимого пациента из списка Patient.  
В списке будут отображены сохраненные изображения выбранного пациента.



При выделении изображения оно отображается с зеленой рамкой.

При выборе одного или нескольких изображений можно отобразить подробную информацию о Study/Series этих изображений. При выборе [Detail] отображается Details View.



Выберите [Close] для возврата к виду Search Results View.

## 5.3 Копирование изображений и документов на жесткий диск системы

Эта функция обеспечивает копирование изображений или документов с сервера DICOM на жесткий диск системы.



## Процедура

1. Используя вид Find View, выберите [Import].  
Отображается следующий экран.

2. Выберите необходимый сервер (название AE).
3. Введите условия поиска, например ID, имя пациента и т. п. и выберите [Search].  
При этом на экран будут выведены результаты поиска.
4. Выберите данные, которые необходимо скопировать.

### Чтобы скопировать Study

- a. Выберите название Study в поле Study.

### Чтобы скопировать Series

- a. Выберите название Study в поле Study.
- b. Выберите название необходимой Series в поле Series.

### Чтобы скопировать Image

- a. Выберите название Study в поле Study.
- b. Выберите название необходимой Series в поле Series.
- c. Выберите название необходимой Image в поле Image.

### Для проверки изображений перед копированием

Если выбрать [Preview], то можно выполнить предварительный просмотр выбранных изображений.

5. Выберите [Import].  
Будет произведено копирование содержимого на жесткий диск системы.

## 5.4 Выбор изображений

Выбирает изображения, подлежащие воспроизведению, копированию, удалению или распечатыванию.

## Выбор изображений по одному

Изображения можно выбирать по одному в видах Image Viewer или Search Results View.

### Процедура

- Выберите необходимое изображение.  
Выбранная миниатюра будет отображена в зеленой рамке. Сведения о выбранных изображениях в списке Patient Search Results View отображаются зеленым цветом.  
Чтобы отменить выделение, выделите изображение повторно. При отмене выделения зеленая рамка вокруг миниатюры исчезает.

## Выбор изображений через Study ID и Series

При использовании вида Search Results View изображения можно выбирать совокупностями Study ID или Series. Сведения о выбранных изображениях в списке Patient отображаются зеленым цветом.

- Выбор изображений в определенном Study
  - a. Выберите необходимое название Study.  
Все изображения, сохраненные в таком исследовании, будут выбраны. Если все изображения выбраны, то при повторном выборе названия Study произойдет снятие выбора всех изображений.
- Выбор Series изображений
  - a. Выберите необходимое название Series.  
Все изображения, сохраненные в такой Series, будут выбраны. Если все изображения выбраны, то при повторном выборе названия Series произойдет снятие выбора всех изображений.
- Выбор всех изображений для пациента
  - a. Выберите [Select All].
- Отмена выбора всех изображений
  - a. Выберите [Unselect All].
  - b. Чтобы отменить выбор выбранных изображений всех пациентов, нажмите [Unselect All Patients]. Чтобы отменить выбор всех выбранных изображений просматриваемого в настоящий момент пациента, нажмите [Unselect This Patient].

## 5.5 Изменение схемы вывода изображений на экран

В Image Viewer можно изменить отображения экранов следующим образом.

- Изменение схемы отображения.

- Масштабирование выбранного изображения.
- Поворот выбранного изображения.
- Инвертирование выбранного изображения.

### 5.5.1 Изменение схемы отображения

#### Процедура

1. В корневом меню выберите [Window > Image Layout].
2. Выберите схему отображения.
  - [1×2], [2×2], [3×3], [4×4], [5×5], [6×6]: отображает указанное количество рядов x количество столбцов.
  - [Full Screen]: если выбрано изображение, оно отображается в режиме Full Screen View.

### 5.5.2 Масштабирование изображений

#### Процедура

1. Выберите изображения.
2. В корневом меню выберите [Image > Zoom].
3. Выберите масштаб.

#### Масштаб

Выполняет масштабирование с коэффициентом X1/4, X1/3, X1/2, X1, X2, X3, X4 относительно размера отображения изображения.

- [Zoom In]: увеличивает выбранное изображение на 1 шаг.
- [Zoom Out]: уменьшает выбранное изображение на 1 шаг.
- [Original]: отображает выбранное изображение в исходном размере.

Чтобы отобразить изображения в размере, соответствующем схеме вывода на экран

В корневом меню выберите [Image > Reset Image].

Отображает в размере, соответствующем исходной схеме вывода на экран.

### 5.5.3 Поворот изображений

#### Процедура

1. Выберите изображения.
2. В корневом меню выберите [Image > Image Rotate].
3. Установите угол поворота.
  - [Rotate 180]: поворачивает выбранное изображение на 180°.
  - [Right 90]: поворачивает выбранное изображение на 90° вправо.

- [Left 90]: поворачивает выбранное изображение на 90° влево.

Чтобы вернуться к исходной ориентации

В корневом меню выберите [Image > Reset Image].

Отображает изображение в его исходной ориентации.

## 5.5.4 Инвертирование изображений

### Процедура

1. Выберите изображения.
2. В корневом меню выберите [Image > Image Direction].
3. Установите угол поворота.
  - [Up Down]: инвертирует выбранное изображение по вертикали.
  - [Right Left]: инвертирует выбранное изображение по горизонтали.

Чтобы вернуться к исходной ориентации

В корневом меню выберите [Image > Reset Image].

Отображает изображение в его исходной ориентации.

## 5.6 Удаление изображений

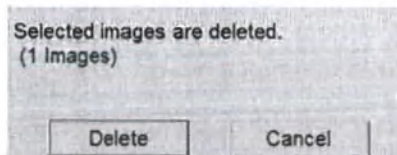
### 5.6.1 Удаление изображений в Image Viewer

#### Предварительные условия

При необходимости присвойте функцию [Review] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

#### Процедура

1. Нажмите клавишу [Freeze].  
Это действие остановит изображение.
2. Выберите [Review] на вкладке [Accessories] в меню функций или выберите программную кнопку [Review].
3. Выберите изображения.
4. В корневом меню выберите [Delete].  
Отображается следующее сообщение.



5. Переместите указатель на [Delete] и нажмите клавишу [Enter].  
Выбранные изображения будут удалены.



## 5.6.2 Удаление изображений в Search Results View

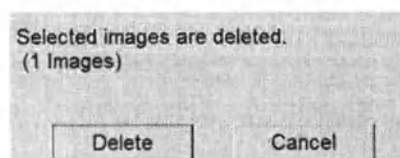
### Предварительные условия

При необходимости присвойте функцию [Review] программной кнопке, используя предустановку ([Preset Set-Up Menu > Software Button]).

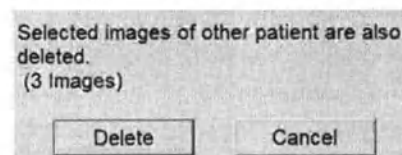
### Процедура

1. Нажмите клавишу [Freeze].  
Это действие остановит изображение.
2. Выберите [Review] на вкладке [Accessories] в меню функций или выберите программную кнопку [Review].
3. Выберите [Find].
4. Введите информацию о пациенте, которого необходимо выбрать, и нажмите [Search].  
Откроется экран Search Results View.
5. Удалите выбранное изображение.

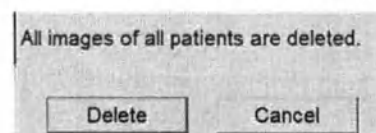
- Удалите выбранные изображения.  
Выберите изображения, затем выполните [Delete] из корневого меню.



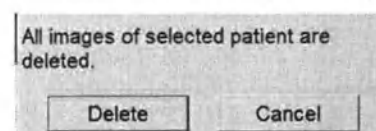
- Удаление нескольких наборов информации о пациенте:  
выберите несколько изображений, которые нужно удалить, затем выполните [Delete] из корневого меню.



- Чтобы удалить все изображения, включая информацию других пациентов:  
выберите миниатюру и нажмите клавишу [Cancel], чтобы отобразить всплывающее меню, и выберите [Delete All Patients].



- Чтобы удалить все изображения из информации выбранного пациента:  
выберите миниатюру и нажмите клавишу [Cancel], чтобы отобразить всплывающее меню, и выберите [Delete This Patient].



6. Выберите [Delete] в подтверждающем сообщении.  
Выбранные изображения будут удалены.

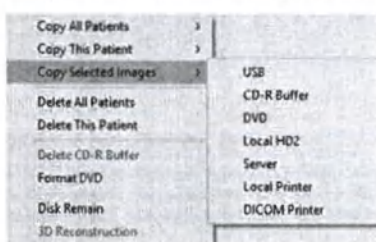
## 5.7 Копирование изображений

Выбранные изображения в области Search Results View будут сохранены на указанное устройство в формате DICOM.

Если изображений много, используйте функцию [Disk Remain], чтобы проверить достаточность оставшегося свободного объема целевого накопителя.

### Процедура

1. Выберите изображения в Search Results View.
2. Выберите миниатюру и нажмите клавишу [Cancel].  
Откроется всплывающее меню.



3. Выберите меню из всплывающего меню.

#### Всплывающие меню

|                        |                                                    |
|------------------------|----------------------------------------------------|
| [Copy All Patients]    | Копирует все изображения patient в списке Patient. |
| [Copy This Patient]    | Копирует все изображения выбранного patient.       |
| [Copy Selected Images] | Копирует все выбранные изображения.                |

4. Выберите место для сохранения.

#### Носитель информации

|                 |                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [USB]           | Сохраняет на запоминающее устройство USB с флеш-памятью.                                                                                                                                                                                       |
| [CD-R Buffer]   | Сохраняет в CD-R Buffer. Максимальная емкость составляет 640 МБ.<br>Перед сохранением проверьте емкость диска, используя функцию [Disk Remain]. Если файл изображения больше емкости буфера, разделите его на части размером 640 МБ или менее. |
| [DVD]           | Сохраняет в DVD.                                                                                                                                                                                                                               |
| [Local HD2]     | Сохраняет в область Local Storage2.                                                                                                                                                                                                            |
| [Server]        | Выводит данные на сервер.                                                                                                                                                                                                                      |
| [Local Printer] | Выводит данные на локальный принтер.                                                                                                                                                                                                           |
| [DICOM Printer] | Выводит данные на принтер DICOM.                                                                                                                                                                                                               |

Изображения, соответствующие указанным условиям, сохраняются в указанное хранилище.

**ПРИМЕЧАНИЕ:** Некоторые символы ID пациента, включенные в имя файла, могут быть преобразованы.

Символы преобразуются следующим образом:

| Исходны<br>е<br>символы | Выходны<br>е<br>символы | Исходны<br>е<br>символы | Выходны<br>е<br>символы | Исходны<br>е<br>символы | Выходны<br>е<br>символы |    |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----|
| (SP)* <sup>1</sup>      | →                       | -                       | →                       | -R                      | Ⓜ →                     | -J |
| !                       | →                       | -H                      | →                       | -S                      | [ →                     | -k |
| "                       | →                       | -I                      | →                       | -                       | \ →                     | -l |
| #                       | →                       | -J                      | →                       | -U                      | ] →                     | -m |
| \$                      | →                       | -K                      | →                       | -V                      | ^ →                     | -n |
| %                       | →                       | -L                      | →                       | -W                      | _ →                     | -o |
| &                       | →                       | -M                      | →                       | -X                      | ` →                     | -p |
| '                       | →                       | -N                      | →                       | -Y                      | ( →                     | -q |
| (                       | →                       | -O                      | →                       | -g                      | →                       | -r |
| )                       | →                       | -P                      | →                       | -h                      | } →                     | -s |
| *                       | →                       | -Q                      | →                       | -i                      | ~ →                     | -t |

\*1.

(SP) обозначает знак пробела с половинной шириной.

## Справочная информация

### 5.9 Проверка свободного места на странице 177

## 5.8 Вывод изображений

Можно вывести изображения, выбранные в Image Viewer.

Существует четыре способа вывода изображений.

- Преобразовать и сохранить в формате PC.
- Сохранить или переслать в формате DICOM.
- Записать данные из CD-R Buffer в CD-R.
- Напечатать изображения.

Настоящая система может выводить изображения на носители и в сетевые хранилища в следующих форматах.

| Форматы сохранения с использованием Store | Формат сохранения | Носитель информации |        | Примечания                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------|-------------------|---------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                           |                   | Носитель информации | Сервер |                                                                                                                                                                                                                                                                                                                                |
| Снимок Image                              | DICOM Palette     | Да                  | Да     | Некоторые средства просмотра не поддерживают воспроизведение изображений с Palette. *1<br>Возможны 3 следующих типа сжатия данных.<br><ul style="list-style-type: none"> <li>• Implicit Little Endian (без сжатия)</li> <li>• Explicit Little Endian (без сжатия)</li> <li>• Run-Length Encoding (обратимое сжатие)</li> </ul> |
|                                           | DICOM RGB         | Да                  | Да     | Возможны 3 следующих типа сжатия данных.<br><ul style="list-style-type: none"> <li>• Implicit Little Endian (без сжатия)</li> <li>• Explicit Little Endian (без сжатия)</li> <li>• Run-Length Encoding (обратимое сжатие)</li> </ul>                                                                                           |
|                                           | DICOM Monochrome2 | -                   | Да     |                                                                                                                                                                                                                                                                                                                                |
|                                           | DICOM JPEG        | Да                  | Да     | Степень сжатия JPEG можно изменить, используя параметр JPEG Q Factor в предустановках ([Common Preset > Common1]).                                                                                                                                                                                                             |
|                                           | JPEG              | Да                  | -      | Степень сжатия JPEG можно изменить, используя параметр JPEG Q Factor в предустановках ([Common Preset > Common1]).                                                                                                                                                                                                             |
|                                           | BMP               | Да                  | -      |                                                                                                                                                                                                                                                                                                                                |
|                                           | TIFF              | Да                  | -      |                                                                                                                                                                                                                                                                                                                                |



| Форматы сохранения с использованием Store | Формат сохранения | Носитель информации |        | Примечания                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------|-------------------|---------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                           |                   | Носитель информации | Сервер |                                                                                                                                                                                                                                                                                                               |
| Видеофрагмент Line                        | Line              | Да                  | Да     | Невозможно отобразить, используя доступное на рынке программное обеспечение DICOM Viewer. Изображения могут быть отображены только на системе. Различается в зависимости от сервера. Для получения дополнительных сведений обратитесь к администратору системы больничной информационной сети (сотрудник ИТ). |
|                                           | DICOM Palette     | Да                  | Да     | Возможны 3 следующих типа сжатия данных.<br>• Implicit Little Endian (без сжатия)<br>• Explicit Little Endian (без сжатия)<br>• Run-Length Encoding (обратимое сжатие)                                                                                                                                        |
|                                           | DICOM RGB         | Да                  | Да     |                                                                                                                                                                                                                                                                                                               |
|                                           | DICOM JPEG        | Да                  | Да     | Степень сжатия JPEG можно изменить, используя параметр JPEG Q Factor в предустановках ([Common Preset > Common1]).                                                                                                                                                                                            |
|                                           | AVI, MP4, MOV     | Да                  | -      |                                                                                                                                                                                                                                                                                                               |
| Видеофрагмент Video Clip                  | DICOM JPEG        | Да                  | Да     | Необходимо дополнительное программное обеспечение SOP-AR50-10. Степень сжатия можно изменить, используя параметр JPEG Q Factor в предустановках ([Common Preset > Common1]). *2                                                                                                                               |
|                                           | DICOM Monochrome2 | -                   | Да     | Возможны 3 следующих типа сжатия данных.<br>• Implicit Little Endian (без сжатия)<br>• Explicit Little Endian (без сжатия)<br>• Run-Length Encoding (обратимое сжатие)                                                                                                                                        |
|                                           | AVI, MP4, MOV     | Да                  | -      |                                                                                                                                                                                                                                                                                                               |

\*1

При сохранении статичных изображений с DICOM Palette информация о яркости, скорости потока, дисперсии и цвете сохраняется по отдельности. Некоторые Viewers в режиме Flow могут неправильно отображать цвета.

Видеофрагменты Video Clip можно сохранить в формате DICOM как сжатый JPEG файл MultiFrame. Однако для выполнения измерений по изображениям, сохраненным при выборе значения "Manual" для параметра [Acquisition Mode], необходимо подтвердить, что настройки устройства, действовавшие при сохранении изображений, совпадают с настройками устройства, отображающего изображения. Если настройки различаются, результаты измерений также могут различаться.

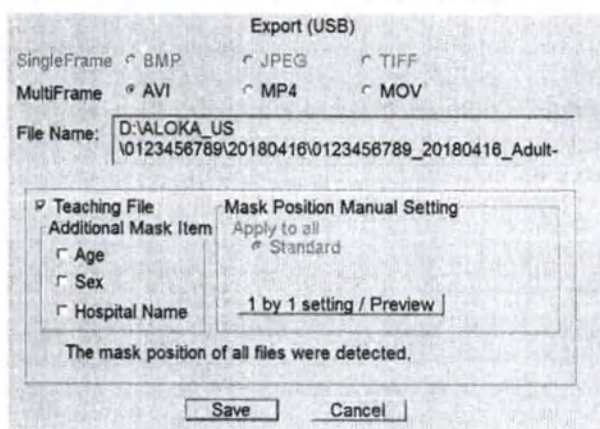
## 5.8.1 Преобразование и сохранение изображений в формате PC

Эта функция используется для преобразования формата файлов изображений, выбранных в Image Viewer в формат PC и сохранения их на указанном устройстве.

### Процедура

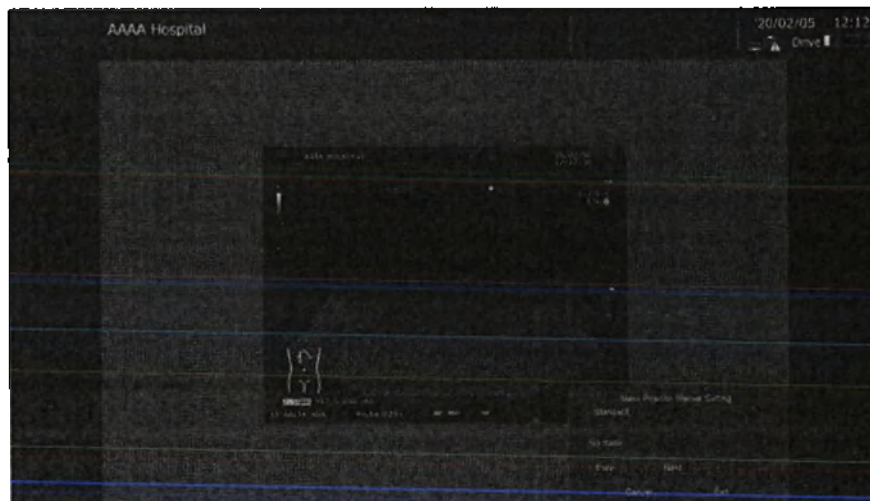
1. Выберите изображения в Search Results View.
2. Выберите [Viewer], чтобы переключиться к Image Viewer.
3. Выберите изображения.
4. Выберите [Export] из корневого меню, а затем выберите целевое хранилище ([USB], [CD-R Buffer], [DVD]).

Будет отображено диалоговое окно Export.



5. Установите формат преобразования файла изображения.  
Форматы файла статичного изображения  
 Выберите один из следующих параметров: [BMP], [JPEG] или [TIFF].  
Форматы видеофайла  
 Выберите один из следующих параметров: [AVI], [MP4] или [MOV].
6. Если изображение находится в системе ([Local HDD]), настройте отображение данных пациента.  
Для выполнения преобразования с отображением данных пациента  
 Снимите флажок Teaching File.  
Для маскирования данных пациента перед преобразованием
  - а. Установите флажок Teaching File.  
 Установлено выполнение маскирования значений Patient ID и Patient Name.

- b. Установите флажки рядом с другими необходимыми скрываемыми элементами в разделе Additional Mask Item.
- c. Чтобы отметить изображения или исключить некоторые изображения из преобразования (отчеты и т. п.), выберите [1 by 1 setting / Preview].  
Открывается диалоговое окно Mask Position Manual Setting и изображение.



- d. Проверьте удаляемые элементы. Если маскирование не требуется, поставьте флажок в поле [No Mask].
  - e. Проверяйте изображения по одному, просматривая их нажатием [Prev] или [Next].
  - f. Выберите [Exit].
7. Выберите [Save] в диалоговом окне Export.  
Изображения будут сохранены.

**ПРИМЕЧАНИЕ:** Некоторые символы ID пациента, включенные в имя файла, могут быть преобразованы.

Символы преобразуются следующим образом:

| Исходные символы | Выходные символы | Исходные символы | Выходные символы | Исходные символы | Выходные символы |
|------------------|------------------|------------------|------------------|------------------|------------------|
| (SP)*1           | -                | +                | -R               | @                | -J               |
| !                | -H               | ,                | -S               | [                | -k               |
| "                | -I               | -                | -                | \                | -l               |
| #                | -J               | .                | -U               | ]                | -m               |
| \$               | -K               | /                | -V               | ^                | -n               |
| %                | -L               | :                | -W               | _                | -o               |
| &                | -M               | ;                | -X               | `                | -p               |
| '                | -N               | <                | -Y               | {                | -q               |
| (                | -O               | =                | -g               |                  | -r               |
| )                | -P               | >                | -h               | }                | -s               |



\*1.

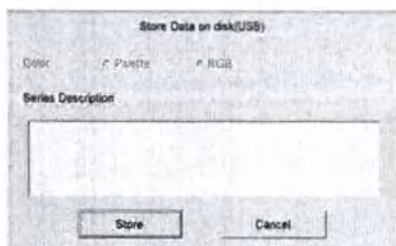
(SP) обозначает знак пробела с половинной шириной.

## 5.8.2 Преобразование и сохранение изображений в формате DICOM

Эта функция используется для преобразования формата файлов изображений, выбранных в Image Viewer в формат DICOM и сохранения их на указанном устройстве.

### Процедура

1. Выберите изображения в Search Results View.
2. Выберите [Viewer] в корневом меню, чтобы переключиться к Image Viewer.
3. Выберите изображения.
4. При необходимости, измените формат видеофрагментов Line.
  - a. В корневом меню выберите [DICOM > DICOM File Type].
  - b. Выберите формат файла.
5. Выберите [DICOM] из корневого меню, а затем выберите место сохранения ([USB], [CD-R Buffer], [DVD], [Local HD2]).  
Если выбран вариант [USB], [CD-R Buffer], [DVD] или [Local HD2], открывается диалоговое окно Store Data on Disk.



6. Проверьте диалоговое окно.
  - Color: конфигурирует метод отображения цветов снимков.
  - Series Description: с помощью клавиатуры введите комментарии о серии исследования.
7. Выберите [Store].  
Изображения сохраняются в формате DICOM.

## 5.8.3 Передача изображений на серверы

Эта функция используется для преобразования формата файлов изображений, выбранных в Image Viewer в формат DICOM и передачи их на сетевые устройства.

### Процедура

1. Выберите изображения в Search Results View.



2. Выберите [Viewer] в корневом меню, чтобы переключиться к Image Viewer.
3. Выберите изображения.
4. При необходимости, измените формат видеофрагментов Line.
  - а. В корневом меню выберите [DICOM > DICOM File Type].
  - б. Выберите формат файла.
5. В корневом меню выберите [DICOM > Server].  
Будет отображено диалоговое окно Send Data to File Server.
6. Проверьте диалоговое окно.
  - Color: конфигурирует метод отображения цветов снимков.
  - Series Description: с помощью клавиатуры введите комментарии о серии исследования.
7. Выберите [Store].  
Выбранные изображения отправляются в формате DICOM.

## 5.8.4 Запись на CD-R

Эта функция записывает изображения из CD-R Buffer на CD-R.

**ПРИМЕЧАНИЕ:** Во время процесса записи CD выполнять исследования невозможно.

### Процедура

1. Поместите CD-R в привод CD-R.
  2. В корневом меню выберите [CD-R].  
Будет отображено диалоговое окно CD-R Writing.
  3. Введите CD Name.
  4. Установите значение Buffer Erase.
    - [On]: после записи изображений на CD-R данные в буфере будут удалены.
    - [Off]: данные в буфере сохранятся в неизменном виде. Если необходимо сделать несколько копий CD, установите значение Off.
  5. Выберите [Start].  
Начнется запись CD. По мере процесса записи будет отображаться индикатор выполнения.
- ПРИМЕЧАНИЕ:** Не выключайте питание системы во время записи CD (пока отображается индикатор выполнения). Это может привести к повреждению привода CD, подключенного к системе.

## 5.8.5 Печать изображений

Снимки, выбранные в Image Viewer, можно вывести на принтер.

### Процедура

1. Выберите изображения в Search Results View.
2. В корневом меню выберите [Viewer].  
Экран переключится в Image Viewer.
3. Выберите изображения.
4. Выберите [DICOM] из корневого меню и выберите принтер ([DICOM Printer] или [Local Printer]).

### Настройка свойств принтера

Выполните следующие действия для настройки свойств локального принтера и принтера DICOM.

### Процедура

1. Переключитесь к Image Viewer.
2. В корневом меню выберите [DICOM > Printer Property].  
Будет отображено диалоговое окно Print Property.

3. Настройте параметры необходимым образом.
4. Выберите [OK].  
Настройки будут сохранены.

### Local Printer

| Элемент       | Опции                   | Описание                                                               |
|---------------|-------------------------|------------------------------------------------------------------------|
| Printer Name  |                         | Для выбора локального принтера.                                        |
| Num of Copies | 1 to 9                  | Позволяет задать количество копий для печати.                          |
| Paper Size    | A4, B5, Letter          | Позволяет задать размер бумаги.                                        |
| N-up          | Note, 1, 2, 4, 6, 9, 16 | Позволяет задать количество изображений для печати на каждой странице. |

| Элемент     | Опции     | Описание                                                                                          |
|-------------|-----------|---------------------------------------------------------------------------------------------------|
| Orientation | LANDSCAPE | Позволяет задать ориентацию бумаги.                                                               |
|             | PORTRAIT  |                                                                                                   |
| Trim        | NO        | Позволяет задать отсутствие границ между изображениями.                                           |
|             | YES       | Позволяет задать границы между изображениями при печати нескольких изображений на одной странице. |

#### DICOM Printer

| Элемент        | Опции                        | Описание                                                                                          |
|----------------|------------------------------|---------------------------------------------------------------------------------------------------|
| Model Name     |                              | Для выбора принтера DICOM.                                                                        |
| Num of Copies  | 1 to 99                      | Позволяет задать количество копий для печати.                                                     |
| Medium type    | BLUE FILM, CLEAR FILM, PAPER | Позволяет выбрать носитель для печати.                                                            |
| Film size      |                              | Позволяет задать размер бумаги.                                                                   |
| Orientation    | LANDSCAPE                    | Позволяет задать вертикальную ориентацию бумаги.                                                  |
|                | PORTRAIT                     | Позволяет задать горизонтальную ориентацию бумаги.                                                |
| Display Format | 1×1 - 9×9                    | Позволяет задать формат вывода на экран при печати нескольких изображений на одной странице.      |
| Magnification  |                              | Позволяет задать используемый тип процесса увеличения.                                            |
| Smoothing      |                              | Позволяет задать используемый тип сглаживания данных.                                             |
| Trim           | NO                           | Позволяет задать отсутствие границ между изображениями.                                           |
|                | YES                          | Позволяет задать границы между изображениями при печати нескольких изображений на одной странице. |
| Configuration  |                              | Введите комментарий с помощью клавиатуры. (до 64 символов).                                       |
| Appl. Entity   |                              | Отображает название стандартного приложения DICOM.                                                |
| Print priority | HIGH, MED, LOW               | Позволяет задать приоритет обработки заданий печати.                                              |
| Destination    |                              | Позволяет задать используемый принтер.                                                            |
| Min density    |                              | Позволяет задать минимальное значение яркости для печати.                                         |
| Max density    |                              | Позволяет задать максимальное значение яркости для печати.                                        |
| Border density |                              | Позволяет задать яркость границ между изображениями.                                              |

| Элемент        | Опции | Описание                                                                 |
|----------------|-------|--------------------------------------------------------------------------|
| Empty density  |       | Позволяет задать яркость областей, не содержащих изображений для печати. |
| Image polarity |       | Позволяет задать полярность для печатаемого изображения.                 |

## 5.9 Проверка свободного места

Можно выполнить проверку свободного места на жестком диске системы или на подключенном носителе информации.

### Процедура

1. Переключитесь к Search Results View.
2. Выберите миниатюру и нажмите клавишу [Cancel].  
Откроется всплывающее меню.
3. Выберите [Disk Remain].  
Будет отображено диалоговое окно Disk Free Size.  
Если во время отображения диалогового окна носитель был изменен, сведения об оставшейся емкости нового носителя будут обновлены после выбора [Reload].
4. После проверки емкости нажмите [OK].

### Справочная информация

5.2 Выполнение поиска изображений с использованием экрана поиска на странице 160





## Завершение исследования

6.1 Завершение исследования и запуск нового исследования

6.2 Завершение исследования и запуск нового исследования через соединение с сервером MPPS

## 6.1 Завершение исследования и запуск нового исследования

При выполнении нескольких исследований у одного пациента, можно завершать исследования индивидуально, выбирая функцию [End Study] на вкладке [Accessories] меню функций. Чтобы завершить все исследования одного пациента, нажмите клавишу [New Patient].

### Процедура

- Нажмите клавишу [New Patient].  
Это действие завершит выполняющееся исследование и отобразит экран ID для ввода новой информации.
- Выберите [End Study].  
Это действие завершит исследование и отобразит экран ID, на котором будет отображаться информация прежнего пациента.  
При завершении исследования произойдет следующее.
  - Если сервер MPPS соединен с сетью, в конце исследования отобразится диалоговое окно, а на сервер MPPS будет передано обновление путем отправки сообщения о завершении исследования.  
ПРИМЕЧАНИЕ: Чтобы установить соединение между сервером Worklist и сервером MPPS в пределах информационной сети лечебного учреждения, для этих серверов необходимо выполнить настройку сети в предустановке ([Common Preset > IHE/Auto Delete]). Для получения дополнительных сведений обратитесь к администратору системы информационной сети лечебного учреждения.

ПРИМЕЧАНИЕ: В следующих случаях необходимо выбрать [End Study] на вкладке [Accessories] меню функций. Если выбрать [ID], то возможности завершать исследования по отдельности не будет.

- Когда необходимо более одного исследования для одного пациента, чья информация была получена из сервера Worklist.
- Когда сервер MPPS оповещается о завершении исследования.

ПРИМЕЧАНИЕ: Если подключены как локальный принтер, так и принтер DICOM, распечатайте изображения для каждого из разделенных листов.

Если количество распечаток изображений в конце исследования не соответствует требуемому количеству разделенных листов, следуйте инструкциям из сообщения для принудительной печати.

## 6.2 Завершение исследования и запуск нового исследования через соединение с сервером MPPS

### 6.2.1 При отсутствии соединения с сервером MPPS

После соединения с сервером Worklist при следующих условиях можно получить информацию пациента из Worklist.

- Когда для одного пациента выполняется несколько исследований.
- Когда исследование возобновляется после прерывания.

#### Процедура

1. Завершение исследования.
  - Чтобы полностью завершить исследование:  
Выключите систему.
  - Если следующий пациент ожидает:  
Нажмите клавишу [New Patient]. При этом будет выполнен выход из текущего исследования и отобразится экран ввода ID.
2. Введите данные пациента для следующего исследования. Либо выберите их из Worklist.

### 6.2.2 При наличии соединения с сервером MPPS

Если система соединена с сервером MPPS и сохраняет изображения, убедитесь в том, что перед началом нового исследования на сервер MPPS было направлено уведомление о завершении текущего исследования. Если сохранение изображений не планируется, можно перейти к новому исследованию без отправки уведомления на сервер.

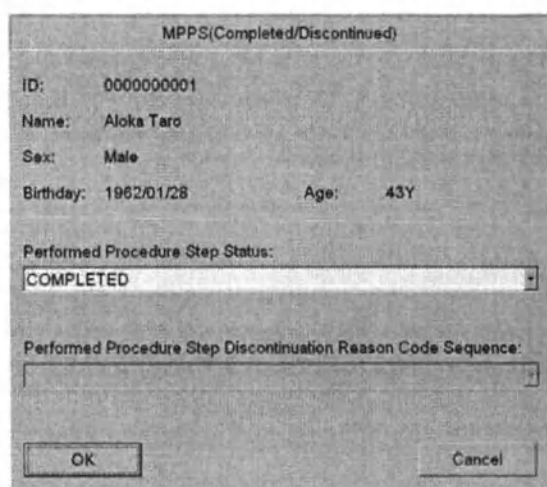
Чтобы установить соединение с сервером Worklist или с сервером MPPS, необходимо внести настройки сети с помощью предустановки ([Common Preset > IHE/Auto Delete]). Для получения дополнительных сведений обратитесь к администратору информационной сети.

#### Процедура

1. Завершение исследования.
  - При наличии нескольких исследований одного пациента:  
Выберите [End Study] на вкладке [Accessories] в меню функций.
  - Чтобы завершить все обследования одного пациента:  
Нажмите клавишу [New Patient].
  - Чтобы завершить после получения данных пациента из Worklist и выполнения подготовительных действий, но не выполняя обследование:  
Нажмите клавишу [New Patient].



Будет отображено диалоговое окно MPPS.



2. Выберите "COMPLETED" в области Performed Procedure Step Status.
3. Выберите [OK].  
Система уведомит сервер MPPS о завершении исследования и откроет экран ввода нового ID.
4. Используя Worklist, выберите информацию о пациенте или информацию о исследовании для следующего исследования.  
Чтобы вернуться к обследованию того же пациента:  
Повторно выберите пациента из Worklist.

## (1) Прерывание исследования

Если система соединена с сервером MPPS и сохраняет изображения, убедитесь в том, что перед началом нового исследования на сервер MPPS было направлено уведомление о прерывании текущего исследования. Если сохранение изображений не планируется, можно перейти к новому исследованию без отправки уведомления на сервер. Прерванное исследование можно продолжить позднее, выполнив извлечение этих данных.

Чтобы установить соединение с сервером Worklist или с сервером MPPS, необходимо внести настройки сети с помощью предустановки ([Common Preset > IHE/Auto Delete]). Для получения дополнительных сведений обратитесь к администратору информационной сети.

### Процедура

1. Завершение исследования.
  - При наличии нескольких исследований одного пациента:  
Выберите [End Study] на вкладке [Accessories] в меню функций.
  - Чтобы завершить все обследования одного пациента:  
Нажмите клавишу [New Patient].
  - Чтобы завершить после получения данных пациента из Worklist и выполнения подготовительных действий, но не выполняя обследование:  
Нажмите клавишу [New Patient].  
Будет отображено диалоговое окно MPPS.

MPPS(Completed/Discontinued)

ID: 0000000001

Name: Aloka Taro

Sex: Male

Birthday: 1962/01/28 Age: 43Y

Performed Procedure Step Status:  
DISCONTINUED

Performed Procedure Step Discontinuation Reason Code Sequence:

- Doctor cancelled procedure
- Equipment failure
- Incorrect procedure ordered
- Patient allergic to media/contrast
- Patient died

- Выберите "DISCONTINUED" в поле Performed Procedure Step Status в диалоговом окне MPPS.
- Выберите причину прерывания в списке Performed Procedure Step Discontinuation Reason Code Sequence.

#### Причины прерывания исследования

| Опции                                       | Описание                                                        |
|---------------------------------------------|-----------------------------------------------------------------|
| [Doctor cancelled procedure:]               | Врач прекратил исследование.                                    |
| [Equipment failure:]                        | Произошел сбой системы.                                         |
| [Incorrect procedure ordered:]              | Запланировано неправильное исследование.                        |
| [Patient allergic to media/contrast:]       | У пациента появилась аллергия на контрастное вещество.          |
| [Patient died:]                             | Пациент умер.                                                   |
| [Patient refused to continue procedure:]    | Пациент отказался продолжать исследование.                      |
| [Patient taken for treatment or surgery:]   | Пациента забрали на лечение или операцию.                       |
| [Patient did not arrive:]                   | Пациент не явился на исследование.                              |
| [Patient pregnant:]                         | Пациентка была беременной.                                      |
| [Change of procedure for correct charging:] | Исследование было изменено в соответствии со счетом за лечение. |
| [Duplicate order:]                          | Присутствуют дублированные заказы.                              |
| [Nursing unit cancel:]                      | Сестринский пост отменил исследование.                          |
| [Incorrect side ordered:]                   | Нечетко определен дополнительный заказ.                         |
| [Discontinued for unspecified reason:]      | Прервано по неуточненной причине.                               |
| [Incorrect worklist entry selected:]        | В рабочий список введена неверная информация.                   |
| [Patient condition prevented continuing:]   | Состояние пациента ухудшилось.                                  |
| [Equipment Change:]                         | Система была модифицирована.                                    |

- Выберите [OK].

Система уведомит сервер MPPS о прерывании обследования и откроет экран ввода нового ID.

5. Используя Worklist, выберите информацию о пациенте или информацию о исследовании для следующего исследования.

#### Возобновление обследования

Повторно выберите информацию пациента из Worklist.

## 6.2.3 Отправка файла DICOM SR

Результаты ультразвуковых измерений должны быть преобразованы в формат DICOM SR (далее обозначаемый как файлы DICOM SR) до их отправки на сервер DICOM SR. Чтобы создать файлы DICOM SR необходимо иметь программное обеспечение, совместимое с DICOM SR (SOP-AR50-21).

Файлы DICOM SR можно создавать и отправлять из измерений брюшной полости (Abdom), акушерских измерений (OB), гинекологических измерений (GYN), кардиологических измерений (Cardio) и сосудистых измерений (Vascular).

Чтобы установить соединение с сервером DICOM SR, перейдите к предустановке ([Common Preset > DICOM-SR]) и внесите сетевые настройки.

### (1) Отправка файла DICOM SR с результатами измерений из текущего исследования

#### **Предварительные условия**

##### Настройте предустановку для автоматической передачи

В предустановке ([Common Preset > DICOM-SR]) установите для параметра SR Auto Creation значение "On".

#### **Процедура**

1. После завершения ультразвукового исследования нажмите клавишу [New Patient]. Результаты исследования будут преобразованы в файлы DICOM SR и отправлены на сервер DICOM SR.

### (2) Создание файла DICOM SR по прошлым данным и отправка его с текущим файлом

#### **Процедура**

1. После завершения ультразвукового исследования проверьте результаты измерения на экране отчета измерений.
2. Выберите ▼ у даты исследования в правом верхнем углу экрана отчета.
3. Выберите дату исследования из раскрывающегося списка. Будет отображен экран отчетов для выбранной даты исследования.
4. Выберите [Output] в правом верхнем углу экрана отчета.
5. Выберите [Create SR] в диалоговом окне Select Device.
6. Выберите [OK].

Файл DICOM SR создается с использованием результатов ультразвуковых измерений, выполненных в указанную дату.

7. После завершения ультразвукового исследования нажмите клавишу [New Patient]. На сервер DICOM SR будут переданы как прошлый, так и текущий файлы DICOM SR. Значки для миниатюр изменятся на синие или оранжевые, в зависимости от типа изображения.



Завершение исследования

## Управление данными пациента

ПРИМЕЧАНИЕ: Если проверка подлинности пользователя включена, операции, описанные в данной главе, доступны только для пользователей с правами доступа уровня 1.

- 7.1 Экран Data Management пациента
- 7.2 Импортирование данных о пациенте
- 7.3 Экспортирование данных о пациенте
- 7.4 Удаление информации о пациенте
- 7.5 Редактирование данных о пациенте

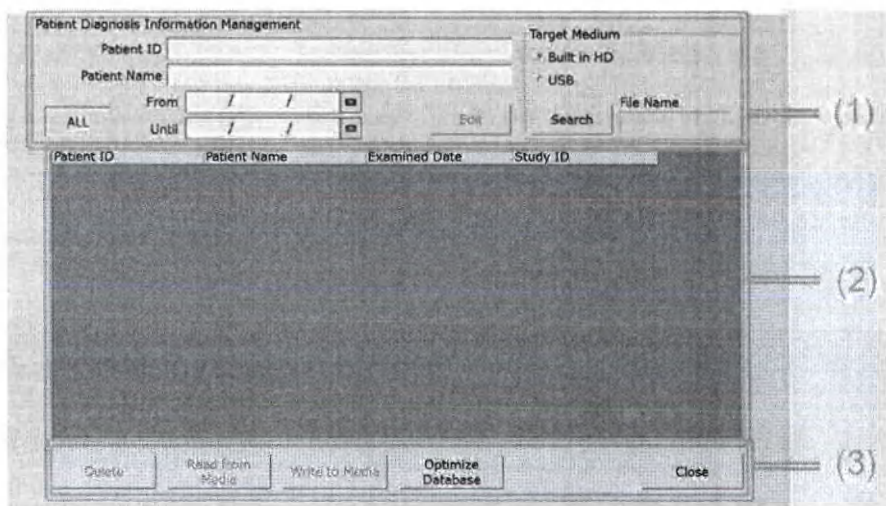
## 7.1 Экран Data Management пациента

С помощью представленного экрана можно управлять данными пациента следующим образом.

- Считывать с жесткого диска системы, запоминающего устройства USB с флеш-памятью.
- Записывать на запоминающее устройство USB с флеш-памятью.
- Удалять с запоминающего устройства USB с флеш-памятью.

### Процедура

- Выберите вкладку Data Management на экране ID. Отображается следующий экран Data Management пациента.



- (I) Область поиска  
(II) Область списка результатов поиска  
(III) Область управления

#### (I) Область поиска

| Название элемента | Описание элемента                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Search            | Выполняет поиск на носителе, указанном параметром Target Medium, в соответствии с условиями поиска.                                             |
| Patient ID        | Введите Patient ID, который будет являться условием поиска.                                                                                     |
| Patient Name      | Введите условия поиска и Patient ID.                                                                                                            |
| Target Medium     | Выберите носитель для выполнения поиска. К числу доступных для выбора носителей относятся [Built in HD] и носители, подключенные к разъему USB. |
| File Name         | Если целью поиска является носитель, подключенный к USB, отображается имя выбранного файла.                                                     |
| (From) - (Until)  | Введите условия поиска и дату поиска. Дату можно указать, введя значения или выбрав ее в календаре.                                             |

| Название элемента | Описание элемента                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------|
| All               | Выбирает все данные в списке. Повторное нажатие [All] переводит все элементы в состояние отмены выделения. |
| Edit              | Позволяет редактировать информацию пациента, выбранную в списке.                                           |

(II) Область списка результатов поиска

| Название элемента | Описание элемента             |
|-------------------|-------------------------------|
| Patient ID        | Вывод Patient ID на экран.    |
| Patient Name      | Отображает имя пациента.      |
| Examined Date     | Отображает дату исследования. |
| Study ID          | Отобразите Study ID.          |

(III) Область управления

| Название элемента | Описание элемента                                                                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Delete            | Удаляет информацию пациента, выбранную в списке.                                                                                                                                                   |
| Read from Media   | Загружает информацию пациента, находящуюся на запоминающем устройстве USB с флеш-памятью, в систему.                                                                                               |
| Write to Media    | Сохраняет выбранную в списке информацию пациента из системы на запоминающее устройство USB с флеш-памятью.<br>Данная функция доступна только если в поле Target Medium указан вариант Built-in HD. |
| Optimize Database | Оптимизирует базу данных и увеличивает скорость доступа к ней, если поиск происходит слишком долго из-за большого количества данных пациентов, накопленного в системе.                             |
| Close             | Закрывает функцию Data Management и возвращается к экрану ввода ID.                                                                                                                                |

## 7.2 Импортирование данных о пациенте

Информацию о пациенте можно считать с USB-носителя на жесткий диск системы.

### Процедура

1. На экране ID выберите [Data Management].
2. В поле Target Medium выберите [USB].
3. Выберите желаемый файл в File List и нажмите [OK].
4. Установите условия поиска.

#### Условия поиска

Выполните поиск по Patient ID, Patient Name, From (Date) и (или) Until (Date). Если ввести 1 или несколько условий или нажать на All, система выполнит поиск всех данных пациентов, соответствующих условиям поиска.

5. Выберите [Search].



На экране отобразится список соответствующих результатов из выбранных файлов.

6. Выберите подходящую информацию о пациенте.

Чтобы загрузить всю информации о пациентах

- a. Выберите [All].

Вся информация о пациентах, имеющаяся в списке, будет выбрана.

- b. Чтобы отменить выбор, нажмите [All] еще раз.

7. Выберите [Read from Media].

Выбранная информация о пациентах будет загружена на жесткий диск системы.

**ПРИМЕЧАНИЕ:** Если на жестком диске системы есть информация о пациенте, то она будет перезаписана.

Если вы импортируете файл базы данных, который был сохранен в другой системе, а файл базы данных в месте назначения импортирования содержит информацию об одном и том же пациенте, информация может быть отображена неправильно. В такой ситуации вручную удалите информацию о том же пациенте в системе перед импортированием файла базы данных.

8. Когда обработка завершена, выберите [Exit] и перезагрузите систему.

## 7.3 Экспортирование данных о пациенте

Информацию о пациенте можно записать с жесткого диска системы на USB-носитель.

### Процедура

1. На экране ID выберите [Data Management].

2. Выберите [Built in HD] из Target Medium.

3. Выберите [Search].

На экране отобразится список соответствующих результатов из выбранных файлов.

4. Выберите подходящую информацию о пациенте.

Чтобы загрузить всю информации о пациентах

- a. Выберите [All].

Вся информация о пациентах, имеющаяся в списке, будет выбрана.

- b. Чтобы отменить выбор, нажмите [All] еще раз.

5. Выберите [Write to Media].

6. Введите имя файла.

7. Выберите [OK].

Если выбрана вся информация о пациентах

Отображается сообщение «You are going to write all study data. Does it write, although processing cannot be interrupted?».

При выборе [OK] система сохраняет информацию о пациенте. При выборе [Cancel] будет вновь отображен экран Data Management без удаления выбранной информации о пациенте.

- Все выбранные данные сохраняются в 1 файл.  
Если объем выбранных данных превышает доступную память на запоминающем устройстве USB с флеш-памятью, будет отображено сообщение. В подобном случае измените выбор данных, подлежащих сохранению.

## 7.4 Удаление информации о пациенте

Информацию о пациенте на USB-носителе или на жестком диске системы можно удалить.

### Процедура

1. На экране ID выберите [Data Management].
2. Установите условия поиска.  
Условия поиска  
Выполните поиск по Patient ID, Patient Name, From (Date) и (или) Until (Date). Если ввести 1 или несколько условий или нажать на All, система выполнит поиск всех данных пациентов, соответствующих условиям поиска.
3. Выберите необходимый носитель в поле Target Medium.
4. Выберите [Search].  
На экране отобразится список соответствующих результатов из выбранных файлов.
5. Выберите подходящую информацию о пациенте.  
Чтобы загрузить всю информации о пациентах
  - a. Выберите [All].  
Вся информация о пациентах, имеющаяся в списке, будет выбрана.
  - b. Чтобы отменить выбор, нажмите [All] еще раз.
6. Выберите [Delete].  
Отображается сообщение «Are you sure to delete these selecting data? Waveform data and stored images are also deleted.».
7. Выберите [OK].  
Выбранные данные удаляются.  
Выберите [Cancel] и снова отобразится экран Data Management.

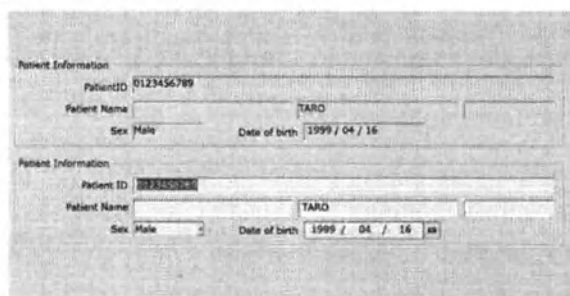
## 7.5 Редактирование данных о пациенте

Информацию пациента, содержащуюся в системе, можно исправить, используя экран Data Management. Исправить можно значения Patient ID, Patient Name, Sex, и Date of birth.

ПРИМЕЧАНИЕ: Редактировать информацию о пациенте может только пользователь, вошедший в систему с правами доступа уровня 1.

## Процедура

1. На экране ID выберите [Data Management].
2. В поле Target Medium выберите [Built in HD].
3. Выберите необходимую информацию о пациенте.  
Чтобы объединить правильные данные о пациенте под одним Patient ID  
Выберите несколько наборов информации пациента.
4. Выберите [Edit].  
Открывается диалоговое окно правильного ID. В верхних полях для справки отображается ID пациента, имевшийся до исправления. Введите новые данные пациента в нижние поля.



Если появится сообщение Two or more different Patient ID has been selected. Please select only one Patient ID., то было выбрано несколько разных patient ID. Нажмите [OK] и выберите данные пациента заново.

5. Исправьте данные о пациенте.  
Чтобы исправить Patient ID  
Ранее зарегистрированный ID пациента использовать нельзя. Зарегистрируйте новый Patient ID.
6. Выберите [OK].  
Отображается следующее сообщение. «The patient data and image data information are changed.»
7. Выберите [OK], чтобы завершить исправление информации пациента.  
Если отображается сообщение
  - «Input Patient ID already exists. Please input other Patient ID.»  
Patient ID уже зарегистрирован. Нажмите [OK] и введите Patient ID заново.
  - «Birth Date Error : ex.2018/01/01» (после ex. указана текущая дата).  
Date of birth введена неверно. Нажмите [OK] и введите дату заново.

## Меню сенсорной панели

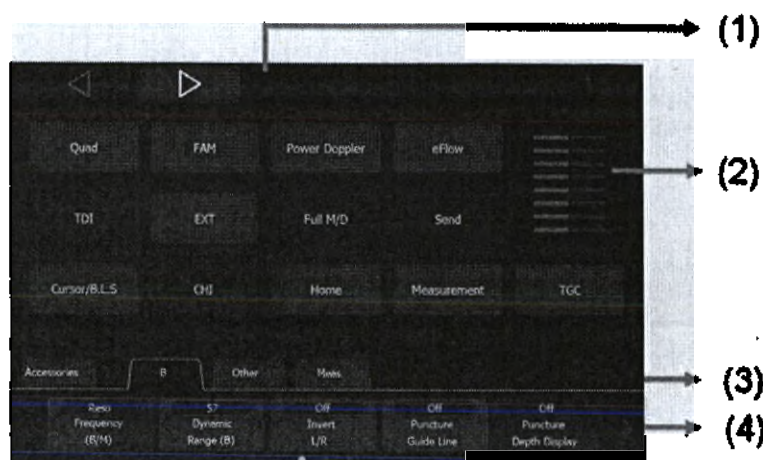
8.1 Типы меню

8.2 Программные кнопки и пользовательские переключатели

8.3 Меню функций



## 8.1 Типы меню



Пример отображения сенсорной панели

(1) программные кнопки, (2) TGC, (3) вкладки, (4) меню функций

Меню подразделяются на программные кнопки (1 на рисунке выше), TGC (2 на рисунке выше) и меню функций (4 на рисунке выше).

Выбор программной кнопки запускает соответствующую ей функцию.

Область TGC статична. Они всегда видны на экране. При нажатии кнопки TGC на сенсорной панели отображается экран TGC. В области TGC отображается текущая настройка TGC.

Меню функций (4 на рисунке выше) объединяет режимы и функции, отображаемые на вкладках.

Можно назначать функции программным кнопкам и меню функций методом принятия предустановок устройства.

### Справочная информация

Глава 1, Основные элементы управления на странице 19

1.2.1 Сенсорная панель на странице 27

Ниже описываются методы присвоения функций каждому меню.

9.6.11 Menu-Function на странице 307

## 8.2 Программные кнопки и пользовательские переключатели

### 8.2.1 Программные кнопки

Следующие функции можно использовать, назначив их для программных кнопок.

В режиме 4D или HI DEF 3D с помощью экрана Software Button (3D) назначьте функции программным кнопкам.

## B/M Mode

| Название функции     | Функции                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Single               | Переключает на обзор томографического изображения на вид одиночного экрана.                                                    |
| Dual                 | Переключает на обзор томографического изображения на двойном экране или переключает активный экран на обзор на двойном экране. |
| Quad                 | Переключает на обзор томографического изображения на четырех экранах или переключает активный экран на вид на четырех экранах. |
| FAM                  | Запускает режим FAM. Отображает курсор FAM на изображении в B-режиме.                                                          |
| Compound             | Включает режим Compound.                                                                                                       |
| Puncture Guide Line  | Отображает направляющую линию пункции на экране.                                                                               |
| Trapezoidal Scanning | Включает режим Trapezoidal Scanning.                                                                                           |
| Invert L/R           | Инвертирует изображение по горизонтали.                                                                                        |
| Needle Emphasis      | Данный параметр повышает визуализацию иглы для пункции.                                                                        |
| WbT                  | Включает режим WbT.                                                                                                            |
| FmT                  | Включает режим FmT.                                                                                                            |
| Frequency (B/M)      | Изменяет частоту передачи.                                                                                                     |
| Dynamic Range (B)    | Изменяет динамический диапазон изображений B-режима.                                                                           |

## D Mode

| Название функции       | Функции                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Angle Correct. Reverse | При нахождении курсора в начале координат эта функция переключает направление угла, установленного при помощи [Angle Correction] и [Auto Angle Correction] в противоположное направление относительно начала координат или в положение Выкл. |
| Beam Steer (D)         | Устанавливает полярность изображения в D-режиме.                                                                                                                                                                                             |
| Beam Steer Reverse (D) | Переключает угол, установленный в [Beam Steer (D)], на противоположный угол или в положение 0°.                                                                                                                                              |
| Doppler Auto Trace     | Включите Real time Doppler Auto Trace.                                                                                                                                                                                                       |
| Invert Spectrum        | Инвертирует доплеровское изображение, центрированное по базовой линии.                                                                                                                                                                       |

## Color Mode

| Название функции           | Функции                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| Power Doppler              | Переключает отображение на режим Power Doppler.                                                     |
| eFlow                      | Переключает отображение на режим eFlow.                                                             |
| TDI                        | Переключает отображение на режим TDI.                                                               |
| Beam Steer (Color)         | Устанавливает полярность изображения в цветном режиме.                                              |
| Beam Steer Reverse (Color) | Переключает угол, установленный в [Beam Steer (Color)], на противоположный угол или в положение 0°. |
| Dual CF                    | Изображение режима B+Color Flow выводится справа, а изображение B-режима — слева.                   |
| Invert Color Map           | Инвертирует цвета из настроек Color Map (Color) для режима Color Flow.                              |

## Other

| Название функции   | Функции                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Measurement        | Воспользуйтесь этой функцией для отображения меню измерений.                                                                                                                                                                                                                                    |
| EXT                | Выберите эту функцию при отображении изображений с устройства записи видео высокого разрешения.                                                                                                                                                                                                 |
| Full M/D           | Отображает изображения M- и D-режима, используя вид одиночного экрана.                                                                                                                                                                                                                          |
| Send               | <ol style="list-style-type: none"> <li>1. Воспользуйтесь этой функцией для выделения строки текста, введенной в качестве комментария, и перемещайте ее с помощью трекбола.</li> <li>2. Воспользуйтесь этой функцией для отправки активных результатов прикладного измерения в отчет.</li> </ol> |
| Curser/B.L.S.      | Воспользуйтесь этой функцией для использования трекбола для перемещения курсора или базовой линии.                                                                                                                                                                                              |
| CHI                | Воспользуйтесь этой функцией для активации функции CHI.                                                                                                                                                                                                                                         |
| Home               | Воспользуйтесь этой функцией для отображения главной страницы.                                                                                                                                                                                                                                  |
| Review             | Отобразите Image Viewer.                                                                                                                                                                                                                                                                        |
| DSD (Time)         | Включает режим D.S.D (Time).                                                                                                                                                                                                                                                                    |
| DSD (ECG)          | Включает режим D.S.D (ECG).                                                                                                                                                                                                                                                                     |
| B/* Format         | Выводит изображения режима B/Sweep рядом друг с другом или друг под другом.                                                                                                                                                                                                                     |
| Beam Steer (B/C/D) | Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении.                                                                                                                                |
| Beam Steer (C/D)   | Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении.                                                                                                                                |



| Название функции           | Функции                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| Beam Steer Reverse (B/C/D) | Переключает угол, установленный в [Beam Steer (B/C/D)], на противоположный угол или в положение 0°.     |
| Beam Steer Reverse (C/D)   | Переключает угол, установленный в [Beam Steer (C/D)], на противоположный угол или в положение 0°.       |
| Counter                    | Отображает или отключает счетчик времени.                                                               |
| Element Select             | Переключает датчики, если к одному разъему датчика подключен датчик с более чем одним преобразователем. |
| Power Limit Override       | Ограничивает акустическую мощность при исследованиях плода.                                             |
| ID                         | Отображает экран ID.                                                                                    |
| Preset                     | Отображает экран предустановок.                                                                         |
| Report                     | Отобразите отчет.                                                                                       |
| Manual                     | Отображает инструкции по эксплуатации.                                                                  |
| Thumbnail                  | Отображает миниатюры.                                                                                   |

#### 4D Mode

| Название функции   | Функции                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4D                 | Изменение режима сбора 3D-данных на [4D] во время отображения в B-режиме.                                                                                                                                               |
| RefA               | Активация RefA.                                                                                                                                                                                                         |
| RefB               | Активация RefB.                                                                                                                                                                                                         |
| RefC               | Активация RefC.                                                                                                                                                                                                         |
| 3D                 | Активация 3D-изображения.                                                                                                                                                                                               |
| Overlay Graphic    | Отображает графические элементы, в том числе линию положения сечения, метку камеры и Function Indicator на 3D-изображении и изображениях сечения.                                                                       |
| 3D Smooth          | Выполняет сглаживание 3D-изображения.                                                                                                                                                                                   |
| Function Indicator | Отображает метку, указывающую на функцию трекбола в верхнем левом углу активного изображения.                                                                                                                           |
| Cut Tool           | Запускает Cut Tool.                                                                                                                                                                                                     |
| 3D Reset           | Возвращает вращение и горизонтальное перемещение 3D-изображения, размер вывода изображения и положение источника света в исходное состояние.                                                                            |
| Restore Cut Area   | Повторное отображение диапазона, удаленного с помощью Cut Tool.                                                                                                                                                         |
| Store Volume       | Сохраняет объемные данные остановленного изображения в течение указанного количества секунд на системный жесткий диск. Возможно воспроизведение изображения, сохраненного при выборе этого меню, в виде 3D-изображения. |



| Название функции       | Функции                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Store 3D/4D Clip       | При остановленном изображении записывает следующие данные в видеоформате на системный жесткий диск: объемные данные в диапазоне сектора кинопетли.                        |
| Next                   | При выборе нескольких пунктов объемных данных на экране Review и последующем выборе [3D Reconstruction] в меню Root отображает следующие выбранный пункт объемных данных. |
| 3D Image Display       | Отображает или скрывает 3D-изображение в 4Views.                                                                                                                          |
| Inversion Mode         | Инвертирует отображения яркости 3D-изображения.                                                                                                                           |
| 3D View Guide          | Отображает 3D View Guide.                                                                                                                                                 |
| Volume Correlation     | Включает режим Volume Correlation.                                                                                                                                        |
| Playback               | Выполняет непрерывное воспроизведение 3D-изображения или останавливает непрерывное воспроизведение.                                                                       |
| 3D Curve               | Запускает Curved Clipper и корректирует криволинейную поверхность Clipping Box.                                                                                           |
| Image Parameter        | Выбирает сочетание параметров.<br>Условия меняются в зависимости от сочетания 3D ROI Width, Scan Angle, Line Density и Frame Density, которые задаются заранее.           |
| Scan Angle             | Выбирает угол сканирования в направлении механического сканирования.                                                                                                      |
| Line Density (3D)      | Выбирает плотность линии в направлении электронного сканирования.                                                                                                         |
| Frame Density (3D)     | Выбирает плотность кадров в направлении механического сканирования.                                                                                                       |
| 3D Brightness          | Регулирует яркость 3D-изображения.                                                                                                                                        |
| Rendering Mode         | Выбирает Rendering Mode.                                                                                                                                                  |
| Translation (For/Back) | Перемещает томографическое изображение или 3D-изображение вперед или назад.                                                                                               |
| Gamma (3D)             | Выбирает профиль кривой яркостных характеристик.                                                                                                                          |
| Smoothing (3D)         | Изменяет уровень сглаживания для 3D-изображения.                                                                                                                          |
| 3D Orientation         | Изменяет угол ориентации 3D-изображения.                                                                                                                                  |
| Color Map (3D)         | Изменяет цвет отображения 3D-изображения.                                                                                                                                 |
| 3D View Direction      | Переключает положение проекции 3D-изображения.                                                                                                                            |
| Depth Attenuation      | Выбирает уровень, до которого изменяется яркость направления глубины 3D-изображения и трехмерный эффект, который будет добавлен к изображению.                            |
| Placenta Rejection     | Задаёт Placenta Rejection.                                                                                                                                                |
| Glossy Level           | Задаёт уровень глянца для 3D-изображения.                                                                                                                                 |

| Название функции     | Функции                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Lower Threshold      | Установка уровня удаления гипоехогенных шумов на 3D-изображениях.                                                              |
| Clipping Curve Shape | Изменяет форму Clipping Box.                                                                                                   |
| Opacity Control      | Выбирает уровень Opacity Control (непрозрачности) 3D-изображения.                                                              |
| Rotation X           | Вращает изображения сечений и 3D-изображение по оси X.                                                                         |
| Rotation Y           | Вращает изображения сечений и 3D-изображение по оси Y.                                                                         |
| Rotation Z           | Вращает изображение сечений и 3D-изображение по оси Z.                                                                         |
| 3D Surface           | Задаёт сглаживание 3D-изображения.                                                                                             |
| 3D Edge Cont.        | Задаёт контраст 3D-изображения.                                                                                                |
| 3D Edge Sens.        | Изменяет контраст при включенной функции 3D Edge Cont..                                                                        |
| 4Dshading            | Включает режим 4Dshading.                                                                                                      |
| Back Lighting Zone   | Регулирует яркость задней части 3D-изображения при включенном режиме 4Dshading. Чем меньше значение, тем темнее изображение.   |
| Front Lighting Zone  | Регулирует яркость передней части 3D-изображения при включенном режиме 4Dshading. Чем меньше значение, тем темнее изображение. |
| Shadowing            | Изменяет направленность света при включенном режиме 4Dshading.                                                                 |
| Light Position       | Изменяет положение источника света при включенном режиме 4Dshading.                                                            |

### HI DEF 3D Mode

| Название функции | Функции                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------|
| HI DEF 3D        | Изменение режима сбора 3D-данных на [HI DEF 3D] во время отображения в В-режиме.                             |
| Check Scan       | Выполняет непрерывное механическое сканирование для отображения изображения В-режима в диапазоне Scan Angle. |

## 8.2.2 Меню пользовательского переключателя

### Задание пользовательских переключателей и меню

Можно регистрировать и изменять элементы, присваиваемые пользовательским переключателям и меню функций, с помощью предустановок.

Отображение в меню функций устанавливается по областям.

| Область настроек                                                    | Предустановка, с помощью которой изменяются настройки |
|---------------------------------------------------------------------|-------------------------------------------------------|
| Пользовательский переключатель (область переключателя пользователя) | Preset Set-Up Menu > Custom SW                        |



| Область настроек                            | Предустановка, с помощью которой изменяются настройки |
|---------------------------------------------|-------------------------------------------------------|
| Пользовательский<br>ножной<br>переключатель | Preset Set-Up Menu > Custom-Foot SW                   |

### Пользовательский переключатель/пользовательский ножной переключатель

В следующей таблице представлены функции, которые могут быть назначены только пользовательским переключателям и пользовательским ножным переключателям.

Следующие функции нельзя назначить для меню функций.

| Menu name                                             | Описание                                                                                                                                                                                                                  |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invert                                                | Инвертирует изображение по горизонтали.                                                                                                                                                                                   |
| Single                                                | Переключает на обзор томографического изображения на вид одиночного экрана.                                                                                                                                               |
| Dual                                                  | Переключает на обзор томографического изображения на двойном экране или переключает активный экран на обзор на двойном экране.                                                                                            |
| Quad                                                  | Переключает на обзор томографического изображения на четырех экранах или переключает активный экран на вид на четырех экранах.                                                                                            |
| M                                                     | Переключает отображение на режим В/М.                                                                                                                                                                                     |
| FAM                                                   | Запускает режим FAM. Отображает курсор FAM на изображении в В-режиме.                                                                                                                                                     |
| PW                                                    | Переключает отображение на режим PW.                                                                                                                                                                                      |
| CW                                                    | Переключает отображение на режим CW.                                                                                                                                                                                      |
| Color Flow                                            | Переключает отображение на режим Color Flow.                                                                                                                                                                              |
| Power Doppler                                         | Переключает отображение на режим Power Doppler.                                                                                                                                                                           |
| eFlow                                                 | Переключает отображение на режим eFlow.                                                                                                                                                                                   |
| TDI                                                   | Переключает отображение на режим TDI.                                                                                                                                                                                     |
| Zoom                                                  | Отображает часть изображения В-режима в увеличенной форме.                                                                                                                                                                |
| Focus (Shift)                                         | Переключает функции трекбола на Focus.                                                                                                                                                                                    |
| Body Mark (On/Off)                                    | Отображает меню меток области исследования.                                                                                                                                                                               |
| Cursor/B.L.S                                          | Позволяет перемещать или устанавливать курсор и базовую линию в доплеровских режимах.<br>Позволяет перемещать или устанавливать курсор трекболом и базовую линию в доплеровских режимах поворотным регулятором [Pointer]. |
| Store                                                 | Сохраняет найденное или остановленное изображение.                                                                                                                                                                        |
| Search                                                | Отображает изображения, сохраненные в кинопамять.                                                                                                                                                                         |
| Review                                                | Переключает между Current View и Image Viewer.                                                                                                                                                                            |
| Archive Group 1<br>Archive Group 2<br>Archive Group 3 | Выводит отображаемое изображение на устройство, указанное параметром User 2 (Print).                                                                                                                                      |
| Comment                                               | Включает и отключает состояние ввода комментариев.                                                                                                                                                                        |
| EXT                                                   | Выводит на экран изображения, находящиеся на внешнем подключенном носителе.                                                                                                                                               |

| Menu name      | Описание                                                                                                                                                   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full M/D       | Переключает отображение изображений с режима В/М на полноэкранный режим М. Либо переключает отображение изображений с режима В/D на полноэкранный режим D. |
| Select         | При отображении двух и более изображений выбирает активный экран (2В, В/М, и т. п.).                                                                       |
| Measurement    | Отображает меню измерений в меню функций.                                                                                                                  |
| +              | Запускает измерение, назначенное для данного переключателя.                                                                                                |
| ID             | Отображает экран ID.                                                                                                                                       |
| Freeze         | Переключает между отображением в реальном времени и отображением стоп-кадра.                                                                               |
| End Study      | Уведомляет сервер о завершении исследования.                                                                                                               |
| 4D             | Изменение режима сбора 3D-данных на [4D] во время отображения в В-режиме.                                                                                  |
| 3D Curve       | Запускает Curved Clipper и корректирует криволинейную поверхность Clipping Box.                                                                            |
| Light Position | Изменяет положение источника света для 3D-изображения.                                                                                                     |

## 8.3 Меню функций

Меню функций отображает функции в формате меню; его можно использовать для установки необходимых условий на главном мониторе.

Выбор элемента меню можно производить касанием на сенсорной панели или поворотным регулятором, соответствующим этому меню.

Помимо вкладки [Accessories], меню функций содержит вкладки для каждого из следующих режимов, а также элементы меню, которые были заранее присвоены для отображения на нем.

- В
- М
- D
- Color Flow
- Power Doppler
- eFlow
- Other
- CHI
- F.I.
- FAM
- 3D Scan
- 3D/4D
- (дополнительно)
- Meas

Можно использовать предустановки ([Preset Set-Up Menu > Menu-Function]) для изменения присвоения функций элементам меню, не относящимся к [Accessories] и [FAM].

Подробные сведения о присвоении функций для [Meas] см. в отдельном руководстве «Измерения».

Далее представлены элементы меню, которые могут быть присвоены меню функций.

### 8.3.1 Меню функций: В

В данном разделе содержатся пояснения меню функций, классифицированных как В-режим.



| Меню                                 | Опции      | Элемент                                                                                                                                                                                                                                                       |
|--------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Active (B1)                          |            | Делает изображение в верхнем левом углу в 4В-режиме активным. Если в 1В-режиме или 2В-режиме параметр Cine Memory Division задан как 4, эта функция делает <b>1</b> активным.                                                                                 |
| Active (B2)                          |            | Делает изображение в верхнем правом углу в 4В-режиме активным. Если в 1В-режиме или 2В-режиме параметр Cine Memory Division задан как 4, эта функция делает <b>2</b> активным.                                                                                |
| Active (B3)                          |            | Делает изображение в нижнем левом углу в 4В-режиме активным. Если в 1В-режиме или 2В-режиме параметр Cine Memory Division задан как 4, эта функция делает <b>3</b> активным.                                                                                  |
| Active (B4)                          |            | Делает изображение в нижнем правом углу в 4В-режиме активным. Если в 1В-режиме или 2В-режиме параметр Cine Memory Division задан как 4, эта функция делает <b>4</b> активным.                                                                                 |
| AGC (B)                              | Off        | Выключает выделение границ ткани.                                                                                                                                                                                                                             |
|                                      | От 1 до 15 | Устанавливает уровень выделения границ ткани.                                                                                                                                                                                                                 |
| AIP (Adaptive Image Processing)      | Off        | Выходит из AIP.                                                                                                                                                                                                                                               |
|                                      | On         | Отображает изображения AIP. Этот элемент меню объединяет алгоритм выявления и выделения существующих границ сред с разными свойствами и алгоритм удаления зернистости для более четкого отображения структур и изменений свойств тканей.                      |
| AIP Edge Sens (AIP Edge Sensitivity) | От 1 до 8  | Устанавливает уровень чувствительности выявления границ сред с разными свойствами, если для [AIP] установлено значение «On». Чем больше значение, тем выше чувствительность.                                                                                  |
| AIP Level                            | От 1 до 6  | Если для [AIP] установлено значение «On», эта функция выбирает комбинацию значений параметров AIP Edge Sens и AIP Resolution. Комбинации задаются предустановками ([Preset Set-Up Menu > Image-B, M2 > AIP Level (B)], [AIP Level (FmT)], [AIP Level (WbT)]). |
| AIP Resolution                       | От 1 до 8  | Если для [AIP] установлено значение «On», изменяет уровень для получения изображения с большим пространственным разрешением. При уменьшении уровня можно получить изображения с большей степенью удаления зернистости.                                        |
| Angle (Compound)                     | От 5 до 30 | Устанавливает угол наложения изображений при использовании функции Compound с шагом по 5°. ПРИМЕЧАНИЕ: Возможное значение угла смешивания зависит от датчика.                                                                                                 |

| Меню                   | Опции                                | Элемент                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Angle Sel (NE)         | От -40 до +40                        | Изменяет угол Graphic Line с шагом 5°, если для параметра Needle Emphasis установлено значение «Он».<br>ПРИМЕЧАНИЕ: Максимальное значение угла зависит от датчика.                                                                                                                                                                                                                                                |
| Auto-optimizer         |                                      | Оптимизирует различные элементы, задаваемые с помощью предустановок, в том числе, параметры усиления (B [M]) и Dop Vel./Baseline.<br>Укажите элементы, которые следует оптимизировать, выбрав [Preset Set-Up Menu] > [Auto-optimizer]. Используйте Brightness Level, чтобы скорректировать целевое значение усиления (B [M]).<br>ПРИМЕЧАНИЕ: Во время операции автоматической оптимизации кнопка HOME недоступна. |
| Beam Processing        | Multi                                | Выполняет сканирование с несколькими пучками, получаемыми одновременно, для улучшения частоты кадров.                                                                                                                                                                                                                                                                                                             |
|                        | Single                               | Выполняет сканирование со стандартным количеством линий сканирования.                                                                                                                                                                                                                                                                                                                                             |
| Beam Steer (B)         | От -30 до 30                         | Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении.<br>Можно указать отклонение для изображений В-режима с шагом 5°.<br>ПРИМЕЧАНИЕ: Возможный угол отклонения пучка зависит от датчика.                                                                                                              |
| Beam Steer Reverse (B) |                                      | Переключает угол, установленный в Beam Steer (B), на угол в противоположной стороне или в положение 0°.                                                                                                                                                                                                                                                                                                           |
| Biopsy Select          |                                      | Если система соединена с датчиком, совместимым с несколькими адаптерами пункции, выбирает адаптер, который будет использоваться.                                                                                                                                                                                                                                                                                  |
| Brachy Add             |                                      | Добавление координаты в список координат мест введения.                                                                                                                                                                                                                                                                                                                                                           |
| Brachy Delete          |                                      | Удаление выбранной координаты из списка координат мест введения.                                                                                                                                                                                                                                                                                                                                                  |
| Brachy Grid Type       | Type A<br>Type B<br>Type C<br>Type D | Изменение типа отображения сетки.                                                                                                                                                                                                                                                                                                                                                                                 |

| Меню                 | Опции       | Элемент                                                                                                                                                                                                                                                                                                                   |
|----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brachy Mode          | Off         | Завершение брахитерапии.                                                                                                                                                                                                                                                                                                  |
|                      | Grid        | Отображение сетки, списка координат мест введения и метки установки координат.<br>ПРИМЕЧАНИЕ: Если для параметра [Brachy Table Display] установлено значение «Off», то список координат мест введения скрыт.                                                                                                              |
|                      | Target      | Отображение метки установки координат и список координат мест введения.<br>ПРИМЕЧАНИЕ: Если для параметра [Brachy Table Display] установлено значение «Off», то список координат мест введения скрыт.                                                                                                                     |
| Brachy Table Display | Off         | Скрывает список координат мест введения.                                                                                                                                                                                                                                                                                  |
|                      | On          | Отображает список координат мест введения.                                                                                                                                                                                                                                                                                |
| Brachy Table Locate  |             | Перемещает список координат мест введения.                                                                                                                                                                                                                                                                                |
| Brightness Level     | Auto        | Автоматически устанавливает целевое значение средней яркости для функции Auto-optimizer.<br>Вычисляет среднюю яркость при каждой остановке изображения.<br>В качестве целевого значения средней яркости этот элемент меню устанавливает среднюю яркость определенного количества движений для каждой комбинации датчиков. |
|                      | От 40 до 80 | Устанавливает целевое значение средней яркости для функции Auto-optimizer.                                                                                                                                                                                                                                                |
| Color Map (B/M)      | Gray        | Отображает изображения В-режима и М-режима без добавления цвета.                                                                                                                                                                                                                                                          |
|                      | A           | Отображает изображения с добавлением цветов от оранжевого к синему.                                                                                                                                                                                                                                                       |
|                      | B           | Отображает изображение с синим цветом.                                                                                                                                                                                                                                                                                    |
|                      | C           | Отображает изображение с синим цветом, несколько слабее используемого для B.                                                                                                                                                                                                                                              |
|                      | D           | Отображает изображения с добавлением оранжевого цвета.                                                                                                                                                                                                                                                                    |
|                      | E           | Кодирует яркостные характеристики коричневым цветом.                                                                                                                                                                                                                                                                      |
|                      | F           | Кодирует яркостные характеристики коричневым цветом, слабее используемого для E.                                                                                                                                                                                                                                          |
|                      | G           | Кодирует яркостные характеристики синим и желтым цветом.                                                                                                                                                                                                                                                                  |



| Меню                                        | Опции       | Элемент                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compound                                    | Off         | Выключает режим Compound.                                                                                                                                                                                                                                                                                                                                                                                 |
|                                             | On          | Отображает изображения более точно за счет сканирования с разных направлений, что позволяет уменьшить слепые зоны и уменьшить артефакты, зависящие от направления пучка.<br>ПРИМЕЧАНИЕ: При работе в режимах В/М или В/Д или при выполнении trapezoidal scanning функцию [Compound] выбрать нельзя.                                                                                                       |
| Dynamic Range (B)                           | От 36 до 96 | Задаёт контрастность изображений В-режима.                                                                                                                                                                                                                                                                                                                                                                |
| FmT (Filter-method Tissue Harmonic Imaging) | Off         | Выключает режим FmT.                                                                                                                                                                                                                                                                                                                                                                                      |
|                                             | On          | Включает режим FmT.<br>Этот режим получает ультразвуковые волны удвоенной частоты по сравнению с частотой, использованной для передачи в В-режиме или в М-режиме, и выполняет построение ультразвукового изображения с помощью второй гармоники, отраженной от тканей. Использование вторичных гармоник ткани позволяет получить четкое изображение, не содержащее артефакты, такие как боковые лепестки. |
| Focus (B)                                   | Auto 1P     | Устанавливает одну точку фокусировки около центра экрана.                                                                                                                                                                                                                                                                                                                                                 |
|                                             | Auto 2P(@)  | Автоматически устанавливает одну фиксированную точку фокусировки в верхней части изображения и одну смещаемую точку в центре.                                                                                                                                                                                                                                                                             |
|                                             | Auto 2P     | Устанавливает 2 точки фокусировки, равномерно распределенные по всему изображению.                                                                                                                                                                                                                                                                                                                        |
|                                             | Auto 3P     | Автоматически устанавливает три точки фокусировки по всему изображению.                                                                                                                                                                                                                                                                                                                                   |
| Frequency (B/M)                             | Penet       | Устанавливает частоту передачи при начале работы на самое низкое значение.<br>Это улучшает чувствительность.                                                                                                                                                                                                                                                                                              |
|                                             | Std         | Устанавливает частоту передачи при начале работы на низкое значение.<br>Это несколько улучшает чувствительность.                                                                                                                                                                                                                                                                                          |
|                                             | Reso        | Устанавливает частоту передачи при начале работы на высокое значение.<br>Это несколько улучшает разрешение.                                                                                                                                                                                                                                                                                               |
|                                             | High        | Устанавливает частоту передачи при начале работы на самое высокое значение. Это улучшает разрешение.<br>ПРИМЕЧАНИЕ: Количество уровней, которые можно переключать, зависит от датчика.                                                                                                                                                                                                                    |



| Меню                       | Опции                     | Элемент                                                                                                                                                                                                              |
|----------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FTC (B)                    | Off                       | Выключает функцию улучшения качества границ для изображения В-режима.                                                                                                                                                |
|                            | On                        | Включает функцию улучшения качества границ (типа линейного рисованного контура) для изображения В-режима.                                                                                                            |
| Image Rotation             | 0°<br>90°<br>180°<br>270° | Устанавливает угол поворота изображения В-режима, используя его центр как ось вращения, с шагом по 90°. Метки, связанные с изображением (метка активности, курсоры и т. п.) поворачиваются вместе с изображениями.   |
| Invert L/R                 | Off                       | Отображает изображение В-режима в нормальной ориентации. Активные метки отображаются справа.                                                                                                                         |
|                            | On                        | Инвертирует изображение В-режима по горизонтали. Активные метки отображаются слева.                                                                                                                                  |
| Invert U/L                 |                           | Инвертирует изображение В-режима по вертикали.                                                                                                                                                                       |
| IP Regist (B)              | От IP1 до IP8             | Выбирает номер для функции IP Select (B), регистрирующей измененные настройки параметров Persistence, Dynamic Range, AGC, Relief, Smoothing и Graymap.                                                               |
| IP Regist (B) Initialize   |                           | Сбрасывает настройки, зарегистрированные в IP Regist (B) Registration к заводским установкам по умолчанию.                                                                                                           |
| IP Regist (B) Registration |                           | Регистрирует текущие настройки параметров Persistence, Dynamic Range, AGC, Relief, Smoothing и Graymap под определенным номером, выбранным для функции IP Regist (B).                                                |
| IP Select (B)              | От 1 до 8                 | Выбирает комбинации настроек для следующих меню. <ul style="list-style-type: none"> <li>• Persistence</li> <li>• Dynamic Range</li> <li>• Relief</li> <li>• Graymap</li> <li>• AGC</li> <li>• Сглаживание</li> </ul> |
| Lateral Gain               | Linear                    | Устанавливает все элементы управления усилением в линию по нижнему краю.                                                                                                                                             |
|                            | V1                        | Поднимает оба конца и создает V-образную форму усиления, при которой центр остается на нижнем крае.                                                                                                                  |
|                            | V2                        | Устанавливает усиление с V-образной формой кривой, у которой оба конца подняты выше, чем в варианте V1, а центр остается на нижнем крае.                                                                             |
|                            | V3                        | Устанавливает усиление с V-образной формой кривой, у которой оба конца подняты выше, чем в варианте V2, а центр остается на нижнем крае.                                                                             |

| Меню                     | Опции          | Элемент                                                                                                                                                                                                                                   |
|--------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Density (B)         | Low            | Визуализация с приоритетом частоты кадров (низкая плотность линий сканирования).                                                                                                                                                          |
|                          | Med            | Визуализация средняя между High и Low.                                                                                                                                                                                                    |
|                          | High           | Визуализация с приоритетом качества изображения (высокая плотность линий сканирования).                                                                                                                                                   |
| NE Correlation           | Low            | Отображает остаточное изображение эхо-сигнала от пункционной иглы короче, чем при настройке [Med].                                                                                                                                        |
|                          | Med            | Отображает остаточное изображение эхо-сигнала от пункционной иглы.                                                                                                                                                                        |
|                          | High           | Отображает остаточное изображение эхо-сигнала от пункционной иглы длиннее, чем при настройке [Med].                                                                                                                                       |
| NE Sharpness             | Low            | Устанавливает отображение сигнала от пункционной иглы широким.                                                                                                                                                                            |
|                          | Med            | Устанавливает отображение сигнала от пункционной иглы средним по ширине.                                                                                                                                                                  |
|                          | High           | Устанавливает отображение сигнала от пункционной иглы узким.                                                                                                                                                                              |
| Needle Emphasis          | Off            | Выключает режим Needle Emphasis.                                                                                                                                                                                                          |
|                          | On             | Запускает режим Needle Emphasis. Когда режим Needle Emphasis включен, может быть отображена зеленая пунктирная линия Graphic Line. По мере того, как пункционная игла будет приближаться к графическим линиям, ее визуализация улучшится. |
| Omni Plane Angle Setting | От -45° до 45° | Устанавливает передатчик датчика под желаемым углом и выводит на экран томографическое изображение. Подробные сведения о совместимых датчиках, см. в отдельном документе «Руководство по эксплуатации».                                   |
| Persistence              | Off            | Выключает корреляцию с предыдущим кадром.                                                                                                                                                                                                 |
|                          | От 1 до 15     | Устанавливает уровень корреляции с предыдущим кадром для получения более сглаженного изображения.                                                                                                                                         |
| Persistence Type         | Auto           | Устанавливает настройку корреляции кадров в соответствии с частотой кадров для изображения B-режима.                                                                                                                                      |
|                          | Manual         | Позволяет установить желаемую корреляцию между кадрами.                                                                                                                                                                                   |

| Меню                   | Опции | Элемент                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRF Limit              | Off   | Изменяет PRF для соответствия диапазону отображения и выполнения сканирования с наибольшей частотой кадров.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                        | On    | Отключает изменение PRF, даже если глубина визуализации становится меньшей.<br>Это предотвращает отображение артефактов, наблюдаемых когда частота повторения импульсов возрастает.                                                                                                                                                                                                                                                                                                                                                                   |
| Puncture Angle Select  |       | Выбирает отображаемую направляющую линию пункции, если доступны несколько направляющих.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Puncture Depth Display | Off   | Скрывает отображение глубины на направляющей линии пункции.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                        | On    | Измеряет глубину до положения стрелки и отображает ее рядом с направляющей линии пункции.<br>ПРИМЕЧАНИЕ: Отображаемые значения глубины являются примерными и приводятся только как ориентир. Перед пунктированием выполните проверку погрешности определения расстояния до конца пункционной иглы, используя емкость с водой, или другим способом.                                                                                                                                                                                                    |
| Puncture Guide Line    | Off   | Убирает направляющую линию пункции с экрана.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                        | On    | Отображает направляющую линию пункции на экране, чтобы иметь возможность наблюдения за ней на изображении В-режима во время пунктирования. Направляющая линия пункции отображается в виде пунктирной линии.<br>Расстояние между точками составляет 0.5 см или 1.0 см, в зависимости от глубины отображения или увеличения.<br>Если изображение подвергается инвертированию по определенному направлению, направляющая линия пункции преобразуется соответствующим образом.<br>ПРИМЕЧАНИЕ: При отображении Puncture Guide Line кнопка HOME недоступна. |
| Relief (B)             | Off   | Выключает функцию улучшения качества границ для изображения В-режима.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                        | Low   | Устанавливает улучшение качества границ на низком уровне.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                        | Med   | Устанавливает улучшение качества границ на среднем уровне.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                        | High  | Устанавливает улучшение качества границ на высоком уровне.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reset Brightness       |       | Сбрасывает среднюю яркость, установленную функцией Auto-optimizer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



| Меню                                   | Опции           | Элемент                                                                                                                                                                                                                                                                                      |
|----------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reverse (NE)                           |                 | Переключает угол, установленный в Angle Sel (NE), на угол в противоположной стороне.                                                                                                                                                                                                         |
| SIP (Silky Image Processing)           | Off             | Выключает режим SIP.                                                                                                                                                                                                                                                                         |
|                                        | On              | Включает режим SIP.<br>Отображает сглаженное изображение, за счет объединения обработок, усиливающих границы между тканями и устраняющих помехи.                                                                                                                                             |
| SIP Effect                             |                 | Если для параметра SIP установлено значение «On», выбирает уровень обработки изображения (тип «А», «В» или «С»).                                                                                                                                                                             |
| Smoothing (B)                          | Off             | Выключает корреляцию между направлениями сканирования на одной глубине.                                                                                                                                                                                                                      |
|                                        | От 1 до 15      | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения.                                                                                                                                                             |
| Sound Speed                            | От 1400 до 1650 | Устанавливает значение скорости звука.<br>Стандартная скорость звука составляет 1530 m/s.                                                                                                                                                                                                    |
| TGC Curve                              | Normal          | Применяет текущие настройки ползунка TGC.                                                                                                                                                                                                                                                    |
|                                        | Custom          | Применяет положения ползунка TGC, зарегистрированные с использованием функции TGC Registration.<br>ПРИМЕЧАНИЕ: Этот вариант можно выбрать, если для TGC в предустановках ([Preset Set-Up Menu > Image-B, M1]) задано значение «Fixed».                                                       |
| TGC Curve Initialize                   |                 | Сбрасывает настройки положений ползунка TGC, зарегистрированные в TGC Registration, к заводским установкам по умолчанию.                                                                                                                                                                     |
| TGC Registration                       |                 | Регистрирует текущие настройки ползунка TGC.                                                                                                                                                                                                                                                 |
| Trapezoidal Scanning                   | Off             | Выключает режим Trapezoidal Scanning.                                                                                                                                                                                                                                                        |
|                                        | On              | Отображает ультразвуковое изображение в трапецевидной форме с помощью линейного датчика и увеличивает азимутальное направление поля зрения.<br>ПРИМЕЧАНИЕ: Функцию [Trapezoidal Scanning] нельзя выбрать, пока одновременно используются режимы В/М и В/Д или пока действует режим Compound. |
| Trapezoidal Scanning Angle             | От 5 до 30      | Если для функции Trapezoidal Scanning установлено значение «On», корректирует угол с шагом по 5 градусов.                                                                                                                                                                                    |
| WbT (Wideband Tissue Harmonic Imaging) | Off             | Выключает режим WbT.                                                                                                                                                                                                                                                                         |
|                                        | On              | Запускает WbT. Она более четко отображает изображения В-режима и М-режима, удаляя больше дополнительных компонентов вторичных гармоник, чем функция FmT.                                                                                                                                     |



### 8.3.2 Меню функций: М

В данном разделе содержатся пояснения меню функций, классифицированных как М-режим.

| Меню                       | Опции         | Описание                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AGC (M)                    | Off           | Выключает функцию усиления границ ткани для изображения М-режима.                                                                                                                                                                                                                                                                                                                                                                                     |
|                            | От 1 до 15    | Устанавливает уровень усиления границ ткани для изображения М-режима.                                                                                                                                                                                                                                                                                                                                                                                 |
| Dynamic Range (M)          | От 36 до 96   | Задаёт контрастность изображений М-режима.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Echo Erase                 | Off           | Отображает изображения М-режима и физиологические сигналы без модификаций.                                                                                                                                                                                                                                                                                                                                                                            |
|                            | От 1 до 19    | Устанавливает область Echo Erase (область изображения М-режима, которая будет стираться на заднем плане) с шагом по 1 step. Изображение М-режима и физиологические сигналы отображаются в одной области. По этой причине, в некоторых случаях различить физиологические сигналы бывает трудно. В подобных случаях удаление части изображения М-режима с заднего плана, выполняемое функцией Echo Erase, упрощает различение физиологических сигналов. |
| FTC (M)                    | Off           | Выключает функцию улучшения качества границ для изображения М-режима.                                                                                                                                                                                                                                                                                                                                                                                 |
|                            | On            | Включает функцию усиления краев на изображении М-режима, при котором визуализация краев улучшается, а контуры выделяются как обведенные линией.                                                                                                                                                                                                                                                                                                       |
| IP Regist (M)              | От IP1 до IP8 | Выбирает номер для функции IP Select (M), регистрирующей изменённые настройки параметров Dynamic Range (M), AGC (M) и Relief (M).                                                                                                                                                                                                                                                                                                                     |
| IP Regist (M) Initialize   |               | Сбрасывает настройки, зарегистрированные в IP Regist (M) Registration к заводским установкам по умолчанию.                                                                                                                                                                                                                                                                                                                                            |
| IP Regist (M) Registration |               | Регистрирует текущие настройки параметров Dynamic Range (M), AGC (M) и Relief (M) под определённым номером, выбранным для функции IP Regist (M).                                                                                                                                                                                                                                                                                                      |
| IP Select (M)              | От 1 до 8     | Можно выбрать любую из 8 комбинаций. Выбирает комбинации настроек параметров Dynamic Range, AGC и Relief для М-режима.                                                                                                                                                                                                                                                                                                                                |

| Меню            | Опции                                                   | Описание                                                                                                                                                                                                                                                                                                                      |
|-----------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relief (M)      | Off<br>Low<br>Med<br>High                               | Устанавливает улучшение качества границ на низком, среднем или высоком уровне. Если параметр FTC (M) задан как On в М-режиме, можно задать или изменить параметр Relief (M), но он не меняется на экране. При отмене FTC (M) отображается изображение, соответствующее заданному уровню.                                      |
| Sweep Speed (M) | 25.0<br>33.3<br>50.0<br>66.7<br>100.0<br>150.0<br>200.0 | Выбирает скорость развертки (mm/s) для М-режима.<br>Отметки выводятся на изображение М-режима каждые 0.5 секунды. При отображении в реальном времени отметки выводятся только на верхнем и нижнем крае изображения. На остановленном изображении отметки отображаются с фиксированным интервалом от верхнего до нижнего края. |

### 8.3.3 Меню функций: D

В данном разделе содержатся пояснения меню функций, классифицированных как D-режим (PW и CW).

| Меню                   | Опции        | Описание                                                                                                                                                                                                                                   |
|------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Angle Correct. Reverse |              | При нахождении курсора в начале координат, этот элемент меню переключает направление угла, установленного функциями Angle Correction и Auto Angle Correction, в противоположном направлении (положение Off) относительно начала координат. |
| Angle Correction       | От 0° до 80° | Изменяет угол падения звукового пучка с шагом 1° для коррекции значения скорости потока. Если установленный угол падения звукового пучка превышает 80, поправка угла вносится перестает, поскольку ошибка оказывается слишком велика.      |
| Auto Angle Correction  |              | Автоматически исправляет значение скорости потока в соответствии с углом падения доплеровского пучка. Эту функцию можно выбрать во время отображения курсора в режимах В (Color)/D или 1В (Color).                                         |
| Base Line Reset (D)    |              | Сбрасывает положение базовой линии доплеровского сигнала до заводского значения по умолчанию.                                                                                                                                              |
| Baseline Position      | Unchanged    | Не изменяет базовую линию.                                                                                                                                                                                                                 |
|                        | От 0 до 16   | Устанавливает положение сдвига базовой линии при автоматической компенсации с учетом диапазона доплеровской скорости и сдвига базовой линии.                                                                                               |

| Меню                   | Опции        | Описание                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Baseline Shift (D)     | От -16 до 16 | Перемещает базовую линию доплеровского сигнала. Позволяет отображать доплеровскую картину без феномена ступенчатости (алайсинга).                                                                                                                                                                                                                                                                                                 |
| Beam Steer (D)         | От -30 до 30 | Устанавливает отклонение для изображений D-режима с шагом 5°. Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении.<br>Используется для таких областей, как сонная артерия, где направления пучка ультразвука и кровотока перпендикулярны.<br>ПРИМЕЧАНИЕ: Настраиваемый диапазон различается в зависимости от датчика. |
| Beam Steer Reverse (D) |              | Переключает угол, установленный в Beam Steer (D), на угол в противоположной стороне или в положение 0°.                                                                                                                                                                                                                                                                                                                           |
| Color Map (D)          | Gray         | Изображение D отображается без добавления цвета.                                                                                                                                                                                                                                                                                                                                                                                  |
|                        | A            | Отображает изображения с добавлением цветов от оранжевого к синему.                                                                                                                                                                                                                                                                                                                                                               |
|                        | B            | Отображает изображение с синим цветом.                                                                                                                                                                                                                                                                                                                                                                                            |
|                        | C            | Отображает изображение с синим цветом, несколько слабее используемого для B.                                                                                                                                                                                                                                                                                                                                                      |
|                        | D            | Отображает изображения с добавлением оранжевого цвета.                                                                                                                                                                                                                                                                                                                                                                            |
|                        | E            | Кодирует яркостные характеристики коричневым цветом.                                                                                                                                                                                                                                                                                                                                                                              |
|                        | F            | Кодирует яркостные характеристики коричневым цветом, слабее используемого для E.                                                                                                                                                                                                                                                                                                                                                  |
|                        | G            | Кодирует яркостные характеристики синим и желтым цветом.                                                                                                                                                                                                                                                                                                                                                                          |
| Doppler Auto Trace     | Off          | Выходит из Real time Doppler Auto Trace. Стирает линии трассировки на стоп-кадре.                                                                                                                                                                                                                                                                                                                                                 |
|                        | On           | Выделяет форму доплеровского сигнала на изображении в D-режиме реального времени и отображает результаты доплеровского измерения для последнего отдельного сердцебиения. Вновь отображает стертые линии трассировки на стоп-кадре.                                                                                                                                                                                                |
| Doppler Gamma          | От 1 до 16   | Задаёт контрастность изображений D-режима.                                                                                                                                                                                                                                                                                                                                                                                        |



| Меню                       | Опции         | Описание                                                                                                                                                                                                                                                     |
|----------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Filter Control (D)         | Auto          | Управляет значением фильтра, соответствующего диапазону скоростей. Этот режим удаляет сильную помеху, создаваемую в диапазоне низких частот движением стенки сердца.<br>Такая возможность используется, когда поток крови невозможно отобразить из-за помех. |
|                            | Manual        | Включает применение фиксированного значения фильтра.                                                                                                                                                                                                         |
| Freeze Trigger             | Off           | Отображает линию трассировки без модификации.                                                                                                                                                                                                                |
|                            | On            | При использовании функции Real Time Doppler Auto Trace отображает линию трассировки и значения измерения после стоп-кадра.                                                                                                                                   |
| Gamma Curve (D)            | Off           | Определяет настройку, при которой слабые сигналы не подавляются.                                                                                                                                                                                             |
|                            | От 1 до 7     | Задаёт яркостные характеристики доплеровской картины.<br>Отображает четкую доплеровскую картину за счет подавления слабых сигналов.                                                                                                                          |
| Image Polarity (D)         | Posi          | Отображает изображение D-режима в положительной полярности.                                                                                                                                                                                                  |
|                            | Nega          | Отображает изображение D-режима в отрицательной полярности.                                                                                                                                                                                                  |
| Invert Spectrum            | Off           | Кровоток, направленный к датчику, отображается над базовой линией, а кровоток, удаляющийся от датчика — под ней.                                                                                                                                             |
|                            | On            | Отображает изображение D-режима, инвертированное по вертикали относительно базовой линии.                                                                                                                                                                    |
| IP Regist (D)              | От IP1 до IP8 | Выбирает номер для функции IP Select (D), регистрирующей текущие настройки параметров Dop.Gamma, Gamma Curve (D) и Resolution.                                                                                                                               |
| IP Regist (D) Initialize   |               | Сбрасывает настройки, зарегистрированные в IP Regist (D) Registration к заводским установкам по умолчанию.                                                                                                                                                   |
| IP Regist (D) Registration |               | Регистрирует текущие настройки параметров Dop.Gamma, Gamma Curve (D) и Resolution под определенным номером, выбранным для функции IP Regist (D).                                                                                                             |
| IP Select (D)              | От 1 до 8     | Для изображения D-режима можно выбрать любую из 8 комбинаций настроек параметров Dop. Gamma, Gamma Curve и Resolution.                                                                                                                                       |



| Меню                | Опции                                                   | Описание                                                                                                                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ref. Frequency (D)  | Penet                                                   | Устанавливает частоту передачи датчика при начале работы на самое низкое значение. Это улучшает чувствительность.                                                                                                                                                                                    |
|                     | Std                                                     | Устанавливает частоту передачи датчика при начале работы на низкое значение. Это несколько улучшает чувствительность.                                                                                                                                                                                |
|                     | Reso                                                    | Устанавливает частоту передачи датчика при начале работы на высокое значение. Это несколько улучшает разрешение.                                                                                                                                                                                     |
|                     | High                                                    | Устанавливает частоту передачи датчика при начале работы на самое высокое значение. Это улучшает разрешение.<br>ПРИМЕЧАНИЕ: Количество уровней, которые можно установить, зависит от датчика.                                                                                                        |
| Sample Volume       | От 0.5 до 20.0                                          | Устанавливает размер контрольного объема, используемого для извлечения сигналов из изображения В-режима в режим PW Doppler. Размер контрольного объема устанавливается с шагом 0.5 mm для величин от 0.5 до 5.0, с шагом 1 mm для величин от 5.0 до 10.0 и с шагом 2 mm для величин от 10.0 до 20.0. |
| Spectrum Resolution | Time                                                    | Улучшает разрешение доплеровского спектра по времени.                                                                                                                                                                                                                                                |
|                     | Frequency                                               | Улучшает разрешение доплеровского спектра по частоте.                                                                                                                                                                                                                                                |
| Sweep Speed (D)     | 25.0<br>33.3<br>50.0<br>66.7<br>100.0<br>150.0<br>200.0 | Выбирает скорость развертки (mm/s) для D-режима.                                                                                                                                                                                                                                                     |
| Trace Direction     | Toward                                                  | Устанавливает диапазон трассировки Real Time Doppler Auto Trace выше базовой линии.                                                                                                                                                                                                                  |
|                     | Away                                                    | Устанавливает диапазон трассировки Real Time Doppler Auto Trace ниже базовой линии.                                                                                                                                                                                                                  |
|                     | Both                                                    | Устанавливает диапазон трассировки Real Time Doppler Auto Trace таким, чтобы он охватывал базовую линию.                                                                                                                                                                                             |
|                     | Auto                                                    | Устанавливает диапазон трассировки Real Time Doppler Auto Trace таким, чтобы он охватывал больший диапазон, чем определяется на основании положения базовой линии.                                                                                                                                   |
| Trace Locate        |                                                         | Изменяет положение отображения для результатов Real Time Doppler Auto Trace.                                                                                                                                                                                                                         |

| Меню                       | Опции       | Описание                                                                                                                                                         |
|----------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trace Smooth               | Low         | Устанавливает малую степень сглаживания для линии трассировки Real Time Doppler Auto Trace.                                                                      |
|                            | High        | Устанавливает большую степень сглаживания для линии трассировки Real Time Doppler Auto Trace.                                                                    |
| Trace Threshold            | От 0 до -22 | Корректирует уровень детектирования линии трассировки Real Time Doppler Auto Trace с шагом по 1 dB.                                                              |
| Transfer Menu Auto Display |             | Отображает меню передачи памяти измерений, которое используется для передачи результатов применения функции Real Time Doppler Auto Trace в прикладные измерения. |
| Vel. Range (D)             |             | Устанавливает диапазон скорости в D-режиме. Диапазон скорости различается в зависимости от режима и условий эксплуатации.                                        |
| Wall Filter (D)            | От 1 до 12  | Устанавливает количество этапов, когда для функции Filter Control (D) выбрано значение Auto.                                                                     |
|                            | 50Hz        | Устанавливает значение фильтра для 50 Hz, когда для функции Filter Control (D) выбрано значение Manual.                                                          |
|                            | 100Hz       | Устанавливает значение фильтра для 100 Hz, когда для функции Filter Control (D) выбрано значение Manual.                                                         |
|                            | 200Hz       | Устанавливает значение фильтра для 200 Hz, когда для функции Filter Control (D) выбрано значение Manual.                                                         |
|                            | 400Hz       | Устанавливает значение фильтра для 400 Hz, когда для функции Filter Control (D) выбрано значение Manual.                                                         |
|                            | 800Hz       | Устанавливает значение фильтра для 800 Hz, когда для функции Filter Control (D) выбрано значение Manual.                                                         |
|                            | 1600Hz      | Устанавливает значение фильтра для 1600 Hz, когда для функции Filter Control (D) выбрано значение Manual.                                                        |

### 8.3.4 Меню функций: цвет

Далее представлены меню, относящиеся к режимам Color Flow, Power Doppler, eFlow, TDI Color и TDI PowerDoppler.

| Меню                                         | Опции        | Описание                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accumu. Imaging (Color Accumulation Imaging) | Off          | Выключает режим Accumu. Imaging.                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                              | On           | Отображает цветные пиксели, которые удерживаются в течение времени, указанного параметром Accumu. Time. Кроме того, если информация о яркости превышает отображаемую яркость, то отображаемая яркость обновляется.                                                                                                                                                                                                                    |
| Accumu. Time (Accumulation Time)             | 1 sec        | Удерживает цветные пиксели в течение 1 секунды, если параметр Accumu. Imaging имеет значение On.                                                                                                                                                                                                                                                                                                                                      |
|                                              | 2 sec        | Удерживает цветные пиксели в течение 2 секунд, если параметр Accumu. Imaging имеет значение On.                                                                                                                                                                                                                                                                                                                                       |
|                                              | 3 sec        | Удерживает цветные пиксели в течение 3 секунд, если параметр Accumu. Imaging имеет значение On.                                                                                                                                                                                                                                                                                                                                       |
|                                              | Continuous   | Сохраняет цветные пиксели непрерывно, если параметр Accumu. Imaging имеет значение On.                                                                                                                                                                                                                                                                                                                                                |
| B Gain Comp (Color)                          | От -30 до 30 | Устанавливает поправочное значение (dB). Поправочное значение устанавливается для учета различия усиления В-режима между состояниями включенного и выключенного режима Color Doppler.                                                                                                                                                                                                                                                 |
| Base Line Reset (Color)                      |              | Сбрасывает базовую линию к центру.                                                                                                                                                                                                                                                                                                                                                                                                    |
| Baseline Shift (Color)                       | От -64 до 64 | Перемещает базовую линию прямого и обратного потоков. Устраняет ступенчатость (алайсинг) отображения, сдвигая базовую линию. Изменить можно только режим Color Flow.                                                                                                                                                                                                                                                                  |
| Beam Steer (Color)                           | От -30 до 30 | Устанавливает отклонение для изображений режима Color с шагом 5°. Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении.<br>Используется для таких областей, как сонная артерия, где направления пучка ультразвука и кровотока перпендикулярны.<br>ПРИМЕЧАНИЕ: Настраиваемый диапазон различается в зависимости от датчика. |
| Beam Steer Reverse (Color)                   |              | Переключает угол, установленный в Beam Steer (Color), на угол в противоположной стороне или в положение 0°.                                                                                                                                                                                                                                                                                                                           |
| Color Line Correlation                       | Off          | Выключает режим Color Line Correlation.                                                                                                                                                                                                                                                                                                                                                                                               |
|                                              | Low          | Устанавливает низкую степень корреляции цветовой линии.                                                                                                                                                                                                                                                                                                                                                                               |
|                                              | High         | Устанавливает высокую степень корреляции цветовой линии.                                                                                                                                                                                                                                                                                                                                                                              |



| Меню                                 | Опции       | Описание                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color Map (Color)                    |             | Карта цвета (цвет) на странице 221                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Color Map Type (Color)               |             | Выбирает цветовое кодирование из цветового меню, выбранного параметром Color Map (Color).                                                                                                                                                                                                                                                                                                                                                                      |
| Directional                          | Off         | Отображает изображения в режиме Power Doppler, режиме eFlow или режиме TDI Power Doppler.                                                                                                                                                                                                                                                                                                                                                                      |
|                                      | On          | Отображает изображения с добавлением цвета на основе направленности для текущих отображаемых режимов Power Doppler, eFlow или TDI Power Doppler.<br>Устанавливается отдельно для режимов Power Doppler, eFlow и TDI Power Doppler.                                                                                                                                                                                                                             |
| Display Priority                     | Color       | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока.                                                                                                                                                                                                                                                                                                |
|                                      | Both        | Отображает как черно-белое, так и цветное изображения.                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                      | Color TDI   | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока в режиме TDI Color Flow.<br>Эта функция пригодна для получения данных о скорости движения миокарда и пр.<br>ПРИМЕЧАНИЕ: Чтобы отобразить меню [Display Priority] в режиме TDI Color Flow, в качестве TDI Display Type введите "B" посредством предустановок ([Preset Set-Up Menu > TDI-Color]). |
|                                      | Both TDI    | Обрезает информацию о цвете и отображает черно-белые изображения; что предпочтительно в условиях наличия компонентов с низкой скоростью потока и большого объема цветовой информации.                                                                                                                                                                                                                                                                          |
| Display Priority B/W Level (Color)   | От 0 до 127 | Устанавливает уровень яркости для отображения черно-белой информации.<br>Если отраженный сигнал сильнее указанной яркости, то черно-белое эхо отображается в неизменном виде. Уменьшение установленного значения может устранить мешающие сигналы, но также уменьшает сигнал кровотока.                                                                                                                                                                        |
| Display Priority Color Level (Color) | От 1 до 127 | Устанавливает уровень яркости для отображения цветовой информации.<br>Если скорость потока выше установленного значения, то цвет отображается без изменения. Увеличение установленного значения может устранить мешающие сигналы, но также уменьшает сигнал кровотока.                                                                                                                                                                                         |



| Меню                   | Опции              | Описание                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dual CF                | Off                | Выключает режим Dual CF и отображает режим Color Flow.                                                                                                                                                                                                                                                                                                                                                 |
|                        | On                 | Изображение режима B+Color Flow выводится справа, а изображение B-режима — слева. Эта функция также доступна в режиме Power Doppler и в режиме eFlow. После остановки изображений экран переключается для отображения режима 1В. Однако после перехода к стоп-кадру выполнять раздельный поиск левого и правого изображений нельзя.                                                                    |
| Dynamic Range (Color)  | Low<br>Med<br>High | Устанавливает энергию (динамический диапазон: значение dB) отображаемой последовательности градиента для режимов Power Doppler и eFlow на низкий, средний или высокий уровень.<br>ПРИМЕЧАНИЕ: В режиме TDI Power Doppler эту функцию установить нельзя.                                                                                                                                                |
| Flow Edge              | Off                | Выключает режим Flow Edge.                                                                                                                                                                                                                                                                                                                                                                             |
|                        | On                 | Выполняет последующую обработку информации цветных пикселей и отображает цветовой поток так, чтобы он не выходил за пределы ткани. В режиме eFlow эта функция недоступна.<br>ПРИМЕЧАНИЕ: В некоторых случаях, например, при глубоком расположении кровеносных сосудов, достигнутая чувствительность может быть недостаточна.                                                                           |
| Frame Rate Accelerator | Off                | Выключает режим Frame Rate Accelerator. Выберите эту функцию, когда более важным является достижение временного разрешения, например, при исследовании сердца.                                                                                                                                                                                                                                         |
|                        | On                 | Интерполирует кадры цветного отображения для создания сглаженных цветных изображений. Эта функция подходит для изображений с малой частотой кадров, например, при анализе кровотока в области брюшной полости.                                                                                                                                                                                         |
| Invert Color Map       | Off                | Компонент потока, приближающийся к датчику, будет отображен красными оттенками, а компонент, удаляющийся от датчика — синими оттенками.                                                                                                                                                                                                                                                                |
|                        | On                 | Инвертирует цвета из настроек Color Map (Color) для режима Color Flow. Компонент потока, приближающийся к датчику, будет отображен синими оттенками, а компонент, удаляющийся от датчика — красными оттенками. Эту функцию можно задать в режимах Color Flow, Directional Power Doppler, Directional eFlow, TDI Color и TDI Directional Power Doppler. Она действует даже после остановки изображения. |

| Меню                           | Опции              | Описание                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Regist (Color)              | От IP1 до IP8      | Выбирает номер для функции IP Select (Color), регистрирующей измененные настройки параметров Persistence, Smoothing и Wall Filter (Color Flow).                                                                                                                                                                                                                                                        |
| IP Regist (Color) Initialize   |                    | Сбрасывает настройки, зарегистрированные в IP Regist (Color) registration к заводским установкам по умолчанию.                                                                                                                                                                                                                                                                                         |
| IP Regist (Color) Registration |                    | Регистрирует текущие настройки параметров Contrast (Color Flow), AGC (Color Flow) и Relief (Color Flow) под определенным номером, выбранным для функции IP Regist (Color).                                                                                                                                                                                                                             |
| IP Select (Color)              | От 1 до 8          | Можно выбрать и использовать любую из 8 комбинаций настроек Persistence, Smoothing, Wall Filter (Color).                                                                                                                                                                                                                                                                                               |
| Line Density (Color)           | От -4 до 4         | Позволяет выбрать комбинацию Line Density (плотность сканирования) для черно-белых и цветных изображений.<br>При повышении значения отображает изображения с повышением качества изображений.<br>При снижении значения отображает изображения с улучшением частоты кадров.<br>ПРИМЕЧАНИЕ: Количество уровней, которые можно установить, зависит от датчика.                                            |
| Packet Size                    | Low<br>Med<br>High | Устанавливает малое, среднее или высокое число передач, используемых для отображения кровотока. Если количество передач высокое, улучшается чувствительность, но снижается частота кадров.                                                                                                                                                                                                             |
| Persistence (Color)            | Off                | Выключает корреляцию с предыдущим кадром.                                                                                                                                                                                                                                                                                                                                                              |
|                                | От 1 до 15         | Устанавливает корреляцию с предыдущим кадром для получения более сглаженного изображения. Для наблюдения за быстро движущимися органами, например сердцем, установите меньшую корреляцию.                                                                                                                                                                                                              |
| Priority Level                 | От -8 до 8         | Одновременно корректирует яркость черно-белых и цветных изображений, основываясь на значениях Disp Priority B/W Level (Color) и Disp Priority Color Level (Color), установленных с Display Priority.<br>При изменении в + направлении увеличивает уровень яркости черно-белого и цветного изображений.<br>При изменении в - направлении уменьшает уровень яркости черно-белого и цветного изображений. |

| Меню                   | Опции      | Описание                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ref. Frequency (Color) | Penet      | Устанавливает опорную частоту (частоту передачи) датчика при начале работы на самое низкое значение.<br>Это улучшает чувствительность.                                                                                                                                                                                                                                                                             |
|                        | Std        | Устанавливает опорную частоту (частоту передачи) датчика при начале работы на низкое значение.<br>Это несколько улучшает чувствительность.                                                                                                                                                                                                                                                                         |
|                        | Reso       | Устанавливает опорную частоту (частоту передачи) датчика при начале работы на высокое значение.<br>Это несколько улучшает разрешение.                                                                                                                                                                                                                                                                              |
|                        | High       | Устанавливает опорную частоту (частоту передачи) датчика при начале работы на самое высокое значение.<br>Это улучшает разрешение.<br>ПРИМЕЧАНИЕ: Количество уровней, которые можно переключать, зависит от датчика.                                                                                                                                                                                                |
| Rejection (Color)      | От 0 до 31 | Обработка, стирающая цветовую информацию для низкоскоростных компонентов, называется Rejection (Color).<br>Используйте эту обработку для удаления помех от регистрируемых движений стенок. Учитывайте, что в этом случае также будет удалена информация о низкоскоростных потоках крови. Уровень шумоподавления можно установить на одно из 32 значений. Эту функцию также можно использовать в режиме стоп-кадра. |
| Smoothing (Color)      | Off        | Выключает режим Smoothing (Color).                                                                                                                                                                                                                                                                                                                                                                                 |
|                        | От 1 до 15 | Устанавливает уровень корреляции. Эта функция позволяет сгладить изображение за счет последующей обработки информации цветных пикселей.                                                                                                                                                                                                                                                                            |
| Vel. Range (Color)     |            | Устанавливает диапазон скорости потока крови в режиме Color Flow. Диапазон скорости различается в зависимости от режима и условий эксплуатации.                                                                                                                                                                                                                                                                    |
| Wall Filter (Color)    | От 1 до 6  | Устанавливает уровень для удаления низкоскоростных компонентов. Применяется при отображении большого количества мешающих сигналов (помехи из-за движения стенок), которые появляются из-за влияния стенки сердца или других тканей.                                                                                                                                                                                |
|                        | От 1 до 2  | В режиме TDI имеется 2 уровня удаления низкоскоростных компонентов потока.                                                                                                                                                                                                                                                                                                                                         |
|                        | От 1 до 8  | В режиме eFlow имеется 8 уровней удаления низкоскоростных компонентов потока.                                                                                                                                                                                                                                                                                                                                      |



| Меню                  | Опции      | Описание                                                                                                                                                                               |
|-----------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wall Motion Reduction | Off        | Выключает режим Wall Motion Reduction.                                                                                                                                                 |
|                       | От 1 до 15 | Задаёт уровень удаления помех из-за движения стенки. Чем выше уровень, тем больше шумоподавление.<br>При установке слишком высокого уровня может быть потеряна информация о кровотоке. |

### Карта цвета (цвет)

| Режим                                 | Карта цвета | Тип карты цвета | Описание                                                                         |
|---------------------------------------|-------------|-----------------|----------------------------------------------------------------------------------|
| Color Flow<br>TDI Color               | Abdom       | От А до Е       | Определяет распределение цветов для области брюшной полости.                     |
|                                       | Cardio      | От А до Е       | Определяет распределение цветов для области сердца.                              |
|                                       | Vascular    | От А до Е       | Определяет распределение цветов для периферических сосудов.                      |
|                                       | User        | От А до Е       | Определяет другие распределения цветов.                                          |
| Power Doppler<br>TDI Power<br>Doppler | Power       | От А до Е       | Определяет распределение цветов, пригодное для режима Power Doppler.             |
|                                       | D-Power     | А               | Определяет распределение цветов, пригодное для режима Directional Power Doppler. |
|                                       | User        | От А до Е       | Определяет другие распределения цветов.                                          |
| eFlow                                 | eFlow       | От А до Е       | Определяет распределение цветов, пригодное для режима eFlow.                     |
|                                       | D-eFlow     | А               | Определяет распределение цветов, пригодное для режима Directional eFlow.         |
|                                       | User        | От А до Е       | Определяет другие распределения цветов.                                          |

### 8.3.5 Меню функций: DSD

В данном разделе содержатся пояснения меню функций, относящихся к D.S.D.

| Меню        | Опции | Описание                                                                                                                       |
|-------------|-------|--------------------------------------------------------------------------------------------------------------------------------|
| DSD (ECG)   | Off   | Завершает режим D.S.D. (ECG).                                                                                                  |
|             | On    | Запускает режим D.S.D. (ECG). Выполняет замедленное отображение с синхронизацией по ECG R-зубцу.                               |
| DSD (Time)  | Off   | Завершает режим D.S.D. (Time).                                                                                                 |
|             | On    | Запускает режим D.S.D. (Time). Обеспечивает замедленное отображение данных изображений, сохранённых в памяти (частота кадров). |
| DSD Refresh |       | Обновляет замедленное изображение, не изменяя настроенное значение.                                                            |



| Меню               | Опции      | Описание                                                                                                                                                                     |
|--------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DSD Refresh Timing | От 1 до 10 | Устанавливает размер памяти в режиме D.S.D (Time) с шагом по 1 и изменяет интервал обновления.                                                                               |
| DSD Speed          | 1/1        | Воспроизводит замедленное изображение с такой же скоростью, как изображение в реальном времени. Замедленное отображение обновляется в каждом интервале R-R.                  |
|                    | 1/2        | Воспроизводит замедленное изображение с половинной скоростью от скорости изображения в реальном времени. Замедленное отображение обновляется каждые два интервала R-R.       |
|                    | 1/3        | Воспроизводит замедленное изображение с третьей скорости от скорости изображения в реальном времени. Замедленное отображение обновляется каждые три интервала R-R.           |
|                    | 1/4        | Воспроизводит замедленное изображение с четвертью скорости от скорости изображения в реальном времени. Замедленное отображение обновляется каждые четыре интервала R-R.      |
|                    | 1/10       | Воспроизводит замедленное изображение с одной десятой скорости от скорости изображения в реальном времени. Замедленное отображение обновляется каждые десять интервалов R-R. |

### 8.3.6 Меню функций: FAM

В этом разделе объясняются меню функций, присваиваемых вкладке FAM.

ПРИМЕЧАНИЕ: Эти меню функций невозможно присвоить, используя предустановки ([Preset Set-Up Menu] > [Menu-Function]).

| Меню                 | Опции      | Описание                                                                                                                                                           |
|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Active FAM disp. off |            | Если отображается несколько курсоров FAM, текущий активный курсор FAM удаляется.                                                                                   |
| Dynamic Range (FAM)  | От 1 до 16 | Задаёт контрастность изображений M-режима.<br>ПРИМЕЧАНИЕ: При использовании режима FAM из Review во время применения полноэкранного режима регулировка невозможна. |
| FAM Cursor Number    | 2          | Устанавливает количество курсоров FAM, равное 2.                                                                                                                   |
|                      | 3          | Устанавливает количество курсоров FAM, равное 3.                                                                                                                   |

| Меню                               | Опции                                                   | Описание                                                                                                                                                                                                                                                                    |
|------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gamma Curve (FAM)                  | Off                                                     | Характеристики яркости свободноуглового изображения М-режима не изменяются.                                                                                                                                                                                                 |
|                                    | От 1 до 4                                               | Устанавливает характеристики яркости изображения М-режима в соответствии с настройкой яркости в диапазоне от 1 до 4.<br>ПРИМЕЧАНИЕ: При использовании режима FAM из Review во время применения полноэкранного режима регулировка невозможна.                                |
| MAG (FAM)                          | x0.5<br>x0.75<br>x1<br>x1.5<br>x2                       | Если для параметра Trace Fit установлено значение Off, эта функция устанавливает диапазон отображения изображения М-режима на основании размера изображения В-режима как x0.50/x0.75/x1.00/x1.50.                                                                           |
| PSAX (Parasternal Short Axis View) | Off                                                     | Отображает и поочередно настраивает курсоры FAM.                                                                                                                                                                                                                            |
|                                    | On                                                      | Одновременно отображает несколько курсоров FAM для малой оси левого желудочка.                                                                                                                                                                                              |
| Sweep Speed (M)                    | 25.0<br>33.3<br>50.0<br>66.7<br>100.0<br>150.0<br>200.0 | Выбирает скорость развертки (mm/s) для режима FAM.                                                                                                                                                                                                                          |
| Trace Fit                          | Off                                                     | Диапазон отображения изображения М-режима можно изменить, используя MAG (FAM).                                                                                                                                                                                              |
|                                    | On                                                      | Автоматически корректирует MAG (FAM) для соответствия размеру области отображения изображения М-режима. При отображении двух курсоров диапазон отображения FAM фиксирован и равен ×1.5. При отображении трех курсоров диапазон отображения MAG (FAM) фиксирован и равен ×2. |

### 8.3.7 Меню функций: Full Screen

В этом разделе объясняются меню функций, присваиваемых вкладке Full Screen.

ПРИМЕЧАНИЕ: Эти меню функций невозможно присвоить, используя предустановки ([Preset Set-Up Menu] > [Menu-Function]).

| Меню                | Опции | Описание                                                                                                     |
|---------------------|-------|--------------------------------------------------------------------------------------------------------------|
| Playback Start/Stop | Start | Воспроизводит изображения в кинопетле. Кроме того, останавливает воспроизведение изображения.                |
|                     | Stop  |                                                                                                              |
| Frame Prev/Next     | Prev  | Когда видеофрагмент остановлен, этот элемент отображает предыдущий или следующий относительно текущего кадр. |
|                     | Next  |                                                                                                              |

| Меню               | Опции | Описание                                                                           |
|--------------------|-------|------------------------------------------------------------------------------------|
| Loop Speed Down/Up | Down  | Изменяет скорость циклического воспроизведения.                                    |
|                    | Up    |                                                                                    |
| Image Prev/Next    | Prev  | При выборе нескольких изображений отображает следующее или предыдущее изображение. |
|                    | Next  |                                                                                    |
| Full Screen View   |       | Выбор этого элемента возвращает отображение экрана Image Viewer.                   |
| Original           |       | Устраняет корректировки изображений и возвращает изображения к исходному виду.     |
| Return to US       |       | Возврат на экран сканирования.                                                     |

### 8.3.8 Меню функций: CHI

| Меню                    | Опции                           | Описание                                                                                                |
|-------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Accumulation            | Off<br>On                       | Переводит функцию отображения накопленных данных в состояние Off или On.                                |
| Gain (FI)               | От 10 до 90                     | Корректирует усиление изображений базовой частоты.                                                      |
| AGC (CHI)               | Off<br>От 1 до 15               | Устанавливает AGC (Auto Gain Control) для изображений контрастной гармонической визуализации.           |
| AGC (FI)                | Off<br>От 1 до 15               | Устанавливает AGC (Auto Gain Control) для изображений базовой частоты.                                  |
| AIP (CHI/FI)            | Off<br>On                       | Устанавливает необходимость выполнения обработки изображений AIP.                                       |
| AIP Edge Sens (CHI/FI)  | От 1 до 8                       | Устанавливает уровень чувствительности при выявлении пограничных областей с разными характеристиками.   |
| AIP Level (CHI/FI)      | От 1 до 6                       | Выбирает комбинацию настроек [AIP Edge Sens(CHI/FI)] и [AIP Resolution (CHI/FI)].                       |
| AIP Resolution (CHI/FI) | От 1 до 8                       | Задаёт уровень удаления помех зернистости.                                                              |
| CHI Method              | WbC (P.I.)                      | Устанавливает метод передачи и приема для режима CHI как WbC (P.I.).                                    |
|                         | TrC (A.M.)                      | Устанавливает метод передачи и приема для режима CHI как TrC (A.M.).                                    |
| Color Map (CHI)         | Gray                            | Отображает изображения контрастной гармонической визуализации в оттенках серого (от белого до черного). |
|                         | A<br>B<br>C<br>D<br>E<br>F<br>G | Устанавливает карту цвета изображений контрастной гармонической визуализации.                           |



| Меню                | Опции                                                    | Описание                                                                                                                             |
|---------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Color Map (FI)      | Gray                                                     | Отображает изображения базовой частоты в оттенках серого (от белого до черного).                                                     |
|                     | A<br>B<br>C<br>D<br>E<br>F<br>G                          | Устанавливает карту цвета изображений базовой частоты.                                                                               |
| Counter Link        | Off<br>On                                                | Устанавливает необходимость запуска записи видео при запуске счетчика.                                                               |
| Display Image       | Contrast<br>Fundamental                                  | Выполняет переключение между изображением контрастной гармонической визуализации и изображением базовой частоты на одиночном экране. |
| Dynamic Range (CHI) | От 36 до 96                                              | Устанавливает динамический диапазон изображений контрастной гармонической визуализации.                                              |
| Dynamic Range (FI)  | От 36 до 96                                              | Устанавливает динамический диапазон изображений базовой частоты.                                                                     |
| Flash Link          | Off<br>On                                                | Устанавливает, включать ли накопление информации после события Flash.                                                                |
| Flash               |                                                          | При задействовании выполняет передачу с высоким акустическим давлением.                                                              |
| Flash Time          | 0.5sec<br>1.0sec<br>1.5sec<br>2.0sec<br>2.5sec<br>3.0sec | Устанавливает длительность передачи с высоким акустическим давлением.                                                                |
| Frame Rate Limit    | Off<br>15Hz<br>30Hz<br>60Hz                              | Ограничивает частоту кадров для изображений контрастной гармонической визуализации.                                                  |
| Frequency (CHI)     | Std<br>Reso                                              | Устанавливает частоту передачи для изображений контрастной гармонической визуализации.                                               |
| Frequency (FI)      | Penet<br>Std<br>Reso<br>High                             | Настройка частоты передачи для изображений базовой частоты.                                                                          |
| FTC (CHI)           | Off<br>On                                                | Устанавливает FTC для изображений контрастной гармонической визуализации.                                                            |
| FTC (FI)            | Off<br>On                                                | Устанавливает значение FTC для изображений базовой частоты.                                                                          |



| Меню                   | Опции                      | Описание                                                                                                                                                        |
|------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Graymap (CHI)          | Linear<br>A<br>B<br>C<br>D | Устанавливает карту оттенков серого изображений контрастной гармонической визуализации.                                                                         |
| Graymap (FI)           | Linear<br>A<br>B<br>C<br>D | Устанавливает карту оттенков серого изображений базовой частоты.                                                                                                |
| Line Density (CHI)     | Low<br>Med<br>High         | Устанавливает плотность линий сканирования для изображения контрастной гармонической визуализации.                                                              |
| Line Density (FI)      | Low<br>Med<br>High         | Устанавливает плотность линий сканирования для изображения базовой частоты.                                                                                     |
| Monitor Mode           | Off<br>On                  | Устанавливает состояние Off или On для Monitor Mode.                                                                                                            |
| Monitor Level          | От 5 до 100                | Устанавливает выходную мощность ультразвука для изображений базовой частоты.                                                                                    |
| Persistence (CHI)      | Off<br>От 1 до 15          | Устанавливает уровень устойчивости для изображений контрастной гармонической визуализации.                                                                      |
| Persistence (FI)       | Off<br>От 1 до 15          | Устанавливает уровень устойчивости для изображений базовой частоты.                                                                                             |
| Persistence Type (CHI) | Auto<br>Manual             | Выполняет переключение между значениями Auto и Manual для функции, устанавливающей уровень устойчивости для изображений контрастной гармонической визуализации. |
| Persistence Type (FI)  | Auto<br>Manual             | Выполняет переключение между значениями Auto и Manual для функции, устанавливающей уровень устойчивости для изображений базовой частоты.                        |
| Relief (CHI)           | Off<br>Low<br>Med<br>High  | Устанавливает уровень рельефа для изображений контрастной гармонической визуализации.                                                                           |
| Relief(FI)             | Off<br>Low<br>Med<br>High  | Устанавливает уровень рельефа для изображений базовой частоты.                                                                                                  |
| SIP (CHI/FI)           | Off<br>On                  | Устанавливает значения Off или On для функции SIP.                                                                                                              |
| SIP Effect (CHI/FI)    | A<br>B<br>C                | Устанавливает уровень обработки изображений функцией SIP.                                                                                                       |

### 8.3.9 Меню функций: Прочее

В данном разделе содержатся пояснения меню функций, классифицированных как «Other».

| Меню             | Опции      | Описание                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acquisition Mode | Pre Time   | Устанавливает диапазон захвата видеофрагмента как период, заканчивающийся моментом нажатия [User 3 (Store)] и начинающийся за установленное время (от 1 до 16 секунд) до этого.                                                                                                                                                                                                                                                    |
|                  | Post Time  | Устанавливает диапазон захвата видеофрагмента как период, начинающийся моментом нажатия [User 3 (Store)] и заканчивающийся за установленное время (от 1 до 16 секунд) после этого.                                                                                                                                                                                                                                                 |
|                  | Pre ECG    | Устанавливает диапазон захвата видеофрагмента как период между R-зубцом, захваченным непосредственно перед нажатием [User 3 (Store)], и R-зубцом, захваченным непосредственно перед истечением установленного количества сердечных сокращений (от 1 до 10 сердечных сокращений).                                                                                                                                                   |
|                  | Post ECG   | Устанавливает диапазон захвата видеофрагмента как период между R-зубцом, захваченным непосредственно после нажатия [User 3 (Store)], и R-зубцом, захваченным непосредственно перед истечением установленного количества сердечных сокращений (от 1 до 10 сердечных сокращений).                                                                                                                                                    |
|                  | Manual     | Устанавливает диапазон захвата видео как период, начинающийся моментом нажатия [User 3 (Store)] и заканчивающийся моментом повторного нажатия [User 3 (Store)].                                                                                                                                                                                                                                                                    |
| Area Lock        | Off        | Отображает область потока без отслеживания движения доплеровского курсора или курсора М-режима.                                                                                                                                                                                                                                                                                                                                    |
|                  | On         | Отображает область потока в соответствии с движением доплеровского курсора или курсора М-режима.<br>Эта настройка приводит к перемещению области потока вверх, вниз, влево или вправо при перемещении доплеровского курсора так, чтобы контрольный объем оставался примерно в центре области потока.<br>Когда отображается изображение потока режима В/М, область потока перемещается в соответствии с движением курсора М-режима. |
| Audio Volume     | От 0 до 10 | Устанавливает громкость доплеровского звука и звуковых сигналов, отмечающих R-зубцы ECG. Чем больше значение, тем больше громкость. Для выключения звука выберите 0.                                                                                                                                                                                                                                                               |

| Меню                       | Опции                                                                                                                                                                                                | Описание                                                                                                                                                                                                                                                   |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B Refresh                  | 1<br>2<br>4<br>6<br>8                                                                                                                                                                                | Эта функция устанавливает временной интервал для перезаписи изображения В-режима, равный 1/2/4/6/8 секундам, который применяется при одновременном применении B Color/M Color, B/PW и B Color/PW.                                                          |
|                            | В зависимости от настроек, заданных предустановкой ([Preset Set-Up Menu > DISP-D, Color]), функция B Refresh может не работать.<br><b>Справочная информация</b><br>Таблица B Refresh на странице 234 |                                                                                                                                                                                                                                                            |
| B/* Format                 | L/R                                                                                                                                                                                                  | В режиме B/Sweep отображает изображения бок о бок.                                                                                                                                                                                                         |
|                            | U/L                                                                                                                                                                                                  | В режиме B/Sweep отображает изображения одно над другим.                                                                                                                                                                                                   |
| B/Sync Mode                | Off                                                                                                                                                                                                  | Завершает режим B/Sync и отображает изображение В-режима.                                                                                                                                                                                                  |
|                            | On                                                                                                                                                                                                   | Отображает изображение В-режима слева и изображение В-режима выше метки синхронизации ЭКГ справа.                                                                                                                                                          |
| Beam Steer (B/C/D)         | От -30 до 30                                                                                                                                                                                         | Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении. Устанавливает отклонение для изображения В-режима, площади потока и D-курсора с шагом 5°. |
| Beam Steer (C/D)           | От -30 до 30                                                                                                                                                                                         | Этот элемент меню включает возможность получения информации об исследуемой части тела путем электронной передачи и приема пучка ультразвука в косом направлении. Устанавливает отклонение для Flow Area и курсора D-режима с шагом 5°.                     |
| Beam Steer Reverse (B/C/D) |                                                                                                                                                                                                      | Переключает угол, установленный в Beam Steer (B/C/D), на угол в противоположной стороне или в положение 0°.                                                                                                                                                |
| Beam Steer Reverse (C/D)   |                                                                                                                                                                                                      | Переключает угол, установленный в Beam Steer (C/D), на угол в противоположной стороне или в положение 0°.                                                                                                                                                  |
| Body Mark Location         |                                                                                                                                                                                                      | Изменяет положение отображения метки области исследования.                                                                                                                                                                                                 |
| Body Mark Reset            |                                                                                                                                                                                                      | Сбрасывает положение отображения метки области исследования до заводской настройки по умолчанию.                                                                                                                                                           |
| Character Size             | Normal                                                                                                                                                                                               | Отображает комментарии шрифтом стандартного размера.                                                                                                                                                                                                       |
|                            | Large                                                                                                                                                                                                | Отображает комментарии шрифтом удвоенной ширины.                                                                                                                                                                                                           |



| Меню           | Опции      | Описание                                                                                                                                                                                                                              |
|----------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Counter        | Off        | Завершает отсчет времени и скрывает таймер.                                                                                                                                                                                           |
|                | On         | Запускает отсчет времени и отображает таймер.                                                                                                                                                                                         |
| Counter (B)    | Off        | Останавливает отсчет времени и скрывает таймер.                                                                                                                                                                                       |
|                | On         | Запускает отсчет времени и отображает таймер.                                                                                                                                                                                         |
| Data Format    | Line       | При сохранении видеофрагментов записывает данные в формате Line.                                                                                                                                                                      |
|                | Video Clip | При сохранении видеофрагментов записывает данные в формате MJPG.                                                                                                                                                                      |
| ECG Cycle      | От 1 до 10 | Устанавливает продолжительность сохраняемых видеофрагментов в количестве сердечных сокращений (циклы, целые значения). Эта функция может быть применена, если для параметра Acquisition Mode установлено значение Pre ECG и Post ECG. |
| ECG Display    | Off        | Выключает отображение кривой ECG на экране.                                                                                                                                                                                           |
|                | On         | Включает отображение кривой ECG на экране.                                                                                                                                                                                            |
| ECG Posi       | От 1 до 32 | Задаёт положение кривой ECG.                                                                                                                                                                                                          |
| ECG Sens       | От 1 до 32 | Задаёт чувствительность кривой ECG.                                                                                                                                                                                                   |
| ECG Sync       | Off        | Отображает изображение В-режима без модификации.                                                                                                                                                                                      |
|                | On         | Отображает только изображение В-режима над меткой синхронизации с ЭКГ на форме сигнала ECG. Отслеживая временную фазу кривой ECG, можно получить изображение В-режима любой временной фазы.                                           |
| Element Select |            | Переключает датчики, если к одному разъему датчика подключен датчик с более чем одним преобразователем.                                                                                                                               |



| Меню          | Опции                                                                                                                                                                                                                                                                                                                         | Описание                                                                                                                                                                        |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gamma Curve   | Linear                                                                                                                                                                                                                                                                                                                        | Использует все 64 градации для черно-белых изображений, предназначенных для отображения 64 градаций. Все эхо-сигналы отображаются с яркостью, соответствующей их интенсивности. |
|               | Slope 1                                                                                                                                                                                                                                                                                                                       | Отображает эхо-сигналы ниже расширенного диапазона яркости минимальной яркостью и эхо-сигналы выше расширенного диапазона яркости максимальной яркостью.                        |
|               | Slope 2                                                                                                                                                                                                                                                                                                                       | Отображает эхо-сигналы ниже и выше расширенного диапазона яркости минимальной яркостью.                                                                                         |
|               | Slope 3                                                                                                                                                                                                                                                                                                                       | Отображает изменения яркости эхо-сигналов ниже и выше расширенного диапазона яркости с 1/4-сжатия.                                                                              |
|               | Reject                                                                                                                                                                                                                                                                                                                        | Отображает эхо-сигналы ниже установленного уровня минимальной яркостью.                                                                                                         |
|               | <p>Таблица 1. Иллюстрации</p> <p>A: минимальная яркость, B: установка положения при Rejection, C: установка положения при Saturation, D: максимальная яркость</p> <p>Диапазон между B и C представляет расширенный диапазон яркости.</p>  |                                                                                                                                                                                 |
| Graphic Color | A<br>B<br>C<br>D<br>E<br>User                                                                                                                                                                                                                                                                                                 | Устанавливает цветовую схему для текста и графических элементов, отображаемых на экране, как тип A/B/C/D/E/User (настройка Graphic Editor).                                     |

| Меню               | Опции       | Описание                                                                                                                                                                                                                                             |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Graphic Editor     | Off         | Не устанавливает цвета.                                                                                                                                                                                                                              |
|                    | Plane1      | Этот вариант не поддерживается.                                                                                                                                                                                                                      |
|                    | Plane2      | Устанавливает цвет текста для результатов измерений.                                                                                                                                                                                                 |
|                    | Plane3      | Устанавливает цвет фона для результатов измерений и цвет неактивного курсора FAM.                                                                                                                                                                    |
|                    | Plane4      | Устанавливает цвета для отображения комментариев, меток области исследования, меток фокуса и линеек.                                                                                                                                                 |
|                    | Plane5      | Устанавливает цвета метки циркуля для измерений и активного курсора FAM.                                                                                                                                                                             |
|                    | Plane6      | Устанавливает цвет для отображения M-курсора, D-курсора и площади потока.                                                                                                                                                                            |
|                    | Plane7      | Устанавливает автоматическое отображение области отображения изображения.                                                                                                                                                                            |
|                    | Physio      | Устанавливает цвета отображения ECG.                                                                                                                                                                                                                 |
| Graphic Editor B   | От 0 до 255 | Изменяет отображаемый синий компонент цвета, настраиваемого в Graphic Editor. Чем больше значение, тем насыщеннее синий.                                                                                                                             |
| Graphic Editor G   | От 0 до 255 | Изменяет отображаемый зеленый компонент цвета, настраиваемого в Graphic Editor. Чем больше значение, тем насыщеннее зеленый.                                                                                                                         |
| Graphic Editor R   | От 0 до 255 | Изменяет отображаемый красный компонент цвета, настраиваемого в Graphic Editor. Чем больше значение, тем насыщеннее красный.                                                                                                                         |
| Graymap            | Linear      | Характеристика яркости не изменяется.                                                                                                                                                                                                                |
|                    | От A до D   | Выполняет выбор кривой от A до D, соответствующей разным характеристикам яркости.<br>Устанавливает характеристики яркости изображения для соответствия отображению. Используя этот набор можно эффективно отобразить каждую диагностическую область. |
| Invert ECG Display | Off         | Отображает кривую ECG без модификации.                                                                                                                                                                                                               |
|                    | On          | Инвертирует кривую ECG по вертикали.                                                                                                                                                                                                                 |
| Invert Link        | Off         | Отображает Color Polarity без модификации, даже если изображение D-режима инвертировано.                                                                                                                                                             |
|                    | On          | Инвертирует Color Polarity, если изображение D-режима инвертировано.                                                                                                                                                                                 |
| Log Off            |             | Выводит из системы пользователя, находящегося в ней.<br>Это меню используется, если включена функция User Authentication системы.                                                                                                                    |

| Меню                 | Опции      | Описание                                                                                                                                                                                                                                                                                                               |
|----------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Loop Mode            | Short      | Этот режим обеспечивает соответствие петли и В-режима с меньшим количеством воспроизводимых изображений. Циклическое воспроизведение В-режима с большим количеством изображений будет остановлено до тех пор, пока не завершится циклическое воспроизведение В-режима с меньшим количеством изображений.               |
|                      | Long       | Этот режим обеспечивает соответствие петли и В-режима с большим количеством воспроизводимых изображений. Циклическое воспроизведение экрана В-режима с меньшим количеством изображений будет остановлено до тех пор, пока не завершится циклическое воспроизведение экрана В-режима с большим количеством изображений. |
|                      | Align      | Экран В-режима с большим количеством изображений является ориентиром для установления продолжительности воспроизведения; продолжительность воспроизведения других петель изображений В-режима корректируется так, чтобы они все завершились одновременно.                                                              |
|                      | Free Run   | Каждая кинопетля В-режима воспроизводится без синхронизации.                                                                                                                                                                                                                                                           |
| Monitor Back Light   | От 0 до 20 | Корректирует интенсивность фоновой подсветки монитора.                                                                                                                                                                                                                                                                 |
| Monitor Brightness   | От 0 до 20 | Устанавливает характеристики яркости.                                                                                                                                                                                                                                                                                  |
| Monitor Contrast     | От 0 до 20 | Задаёт контрастность отображения.                                                                                                                                                                                                                                                                                      |
| Parameter Display    | Off        | Выводит частоту (В), диапазон отображения, значение В-усиления и динамического диапазона.                                                                                                                                                                                                                              |
|                      | On         | Выводит частоту (В), диапазон отображения, значение В-усиления и динамического диапазона.                                                                                                                                                                                                                              |
| Power Limit Override | Off        | Ограничивает акустическую мощность при исследованиях плода.                                                                                                                                                                                                                                                            |
|                      | On         | Заменяет ограничения акустической мощности при исследованиях плода.<br>При этом окно акустической мощности выделяется. Мощность передачи можно увеличить, используя поворотный регулятор [Acoustic Power].                                                                                                             |



| Меню           | Опции           | Описание                                                                                                                                                                                                                                                    |
|----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print Area     | Auto            | Настраивает размер изображения и распечатывает его в соответствии с форматом отображения и положением результатов измерений.                                                                                                                                |
|                | Full            | Всегда распечатывает полный экран.                                                                                                                                                                                                                          |
|                | Small           | Распечатывает только изображения в уменьшенной форме, независимо от места расположения результатов измерения.                                                                                                                                               |
| Print Queue    |                 | Выполняет печать файлов из папки очереди печати.                                                                                                                                                                                                            |
| R-Delay Time   | От 0.00 до 2.55 | (Режим CHI) Изменяет фазу времени вывода на экран изображения с эхоконтрастированием для синхронизации с ЭКГ с шагом 0.01 с. Выводит на экран изображение с эхоконтрастированием в определенной фазе времени после задержки, заданной относительно R-зубца. |
| Rejection      | От 0 до 63      | Устанавливает минимальную яркость для расширенного диапазона яркости, заданного в Gamma Curve.                                                                                                                                                              |
| R-Wave Beep    | Off             | Устанавливает отказ от подачи звукового сигнала при выявлении R-зубца.                                                                                                                                                                                      |
|                | On              | Включает подачу звукового сигнала при выявлении R-зубца.                                                                                                                                                                                                    |
| Saturation     | От 0 до 63      | Устанавливает максимальную яркость для расширенного диапазона яркости, заданного в Gamma Curve.                                                                                                                                                             |
| Steering Link  | Off             | Отображает изображение D-режима без инвертирования, даже если полярность изменится из-за изменения угла отклонения пучка линейного датчика.                                                                                                                 |
|                | On              | Инвертирует изображение D-режима, если полярность изменится из-за изменения угла отклонения пучка линейного датчика.                                                                                                                                        |
| Store Media    | HDD             | Сохраняет видеофрагменты или снимки на жестком диске системы.                                                                                                                                                                                               |
|                | USB             | Сохраняет видеофрагменты или снимки на носителе информации, подключенном к разъему USB.                                                                                                                                                                     |
|                | CD-R Buffer     | Сохраняет видеофрагменты или снимки в CD-R buffer системы.                                                                                                                                                                                                  |
|                | DVD             | Сохраняет видеофрагменты или снимки на носителе DVD.                                                                                                                                                                                                        |
|                | NET(DICOM)      | Передает видеофрагменты или снимки на сетевой сервер в формате DICOM.                                                                                                                                                                                       |
| Thumbnail Page |                 | Переключает страницы в области миниатюр.                                                                                                                                                                                                                    |



| Меню                 | Опции             | Описание                                                                                                                                                                                          |
|----------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TI Display<br>(***)  | TIS<br>TIB<br>TIC | Настраивает пункты отображения термического индекса.<br>ПРИМЕЧАНИЕ: Параметр соответствует стандарту, отображенному в "****".                                                                     |
| Time Cycle           | От 1 до 16        | Устанавливает продолжительность сохраняемых видеофрагментов с шагом 1 second.<br>Эта функция может быть применена, если для параметра Acquisition Mode установлено значение Pre Time и Post Time. |
| Video Clip Auto Stop | Off               | Выполняет возврат в режим реального времени после сохранения видеоклипа, если для параметра Acquisition Mode установлено значение Manual.                                                         |
|                      | On                | Выполняет остановку отображения на экране после сохранения видеоклипа, если для параметра Acquisition Mode установлено значение Manual.                                                           |
| Zoom Lock            | Off               | Выполняет масштабирование (Zooms) изображения независимо от положения отображения контрольного объема.                                                                                            |
|                      | On                | Выполняет масштабирование (Zooms) изображения так, чтобы контрольный объем отображался в центре.                                                                                                  |

**Таблица B Refresh**

| Triplex Mode | Triplex Mode Type | Simul Mode | B Refresh |
|--------------|-------------------|------------|-----------|
| Triplex      | MSE               | On/Off     | No        |
|              | Refresh           | On/Off     | Yes       |
| B-Real       | MSE               | On/Off     | No        |
|              | Refresh           | On         | Yes       |
|              | Refresh           | Off        | No        |
| D-Real       | MSE               | On/Off     | No        |
|              | Refresh           | On         | Yes       |
|              | Refresh           | Off        | No        |

Yes = Может действовать

No = Не может действовать

### 8.3.10 Меню функций: 4D

В данном разделе содержатся пояснения меню функций, относящихся к 4D.

| Меню | Опции | Описание        |
|------|-------|-----------------|
| RefA |       | Активация RefA. |
| RefB |       | Активация RefB. |

| Меню               | Опции     | Описание                                                                                                                                                                                                                |
|--------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefC               |           | Активация RefC.                                                                                                                                                                                                         |
| 3D                 |           | Активация 3D-изображения.                                                                                                                                                                                               |
| Overlay Graphic    | Off<br>On | Отображает графические элементы, в том числе линию положения сечения, метку камеры и Function Indicator на 3D-изображении и изображениях сечения.                                                                       |
| 3D Smooth          | Off<br>On | Выполняет сглаживание 3D-изображения.                                                                                                                                                                                   |
| Function Indicator | Off<br>On | Отображает метку, указывающую на функцию трекбола в верхнем левом углу активного изображения.                                                                                                                           |
| Cut Tool           | Off<br>On | Отображает значок трассировки области, которая будет удалена на 3D-изображении.                                                                                                                                         |
| 3D Reset           |           | Возвращает вращение и горизонтальное перемещение 3D-изображения, размер вывода изображения и положение источника света в исходное состояние.                                                                            |
| Restore Cut Area   |           | Повторное отображение диапазона, удаленного с помощью Cut Tool.                                                                                                                                                         |
| Store Volume       |           | Сохраняет объемные данные остановленного изображения в течение указанного количества секунд на системный жесткий диск. Возможно воспроизведение изображения, сохраненного при выборе этого меню, в виде 3D-изображения. |
| Store 3D/4D Clip   |           | При остановленном изображении записывает следующие данные в видеоформате на системный жесткий диск: объемные данные в диапазоне сектора кинопетли.                                                                      |
| Next               |           | При выборе нескольких пунктов объемных данных на экране Review и последующем выборе [3D Reconstruction] в меню Root отображает следующий выбранный пункт объемных данных.                                               |
| 3D Image Display   | Disable   | Скрывает 3D-изображение в 4Views.                                                                                                                                                                                       |
|                    | Enable    | Отображает 3D-изображение в режиме 4Views.                                                                                                                                                                              |
| Inversion Mode     | Off<br>On | Инвертирует отображение яркости.<br>Это меню можно использовать для просмотра 3D-изображений фолликула, кисты или желчного пузыря, которые отображаются на томографических изображениях со слабым эхо-сигналом.         |
| 3D View Guide      | Off<br>On | Отображает 3D View Guide.                                                                                                                                                                                               |
| Volume Correlation | Off<br>On | Усредняет данные в направлении вперед и назад во время сбора 3D-данных.                                                                                                                                                 |

| Меню                   | Опции                                                    | Описание                                                                                                                                                                                                     |
|------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Playback               | Off<br>On                                                | Выполняет непрерывное воспроизведение 3D-изображения или останавливает непрерывное воспроизведение.                                                                                                          |
| 4Dshading              | Off<br>On                                                | Отображает 3D-изображение в режиме 4Dshading.<br>При настройке «Выкл» 3D-изображение выводится в режиме построения изображений, который использовался непосредственно перед переключением в режим 4Dshading. |
| Image Parameter        | От 1 до 6                                                | Выбирает сочетание параметров.<br>Условия меняются в зависимости от сочетания 3D ROI Width, Scan Angle, Line Density и Frame Density, которые задаются заранее.                                              |
| Scan Angle             | От 10 до 100                                             | Выбирает угол сканирования в направлении механического сканирования.                                                                                                                                         |
| Line Density (3D)      | Low<br>Med<br>High                                       | Выбирает плотность линии в направлении электронного сканирования.                                                                                                                                            |
| Frame Density (3D)     | Low<br>Med<br>High                                       | Выбирает плотность кадров в направлении механического сканирования.                                                                                                                                          |
| 3D Brightness          | От 1 до 16                                               | Регулирует яркость 3D-изображения.                                                                                                                                                                           |
| Rendering Mode         | Surface Sharp<br>MIP<br>X-ray<br>Lighted<br>Surf. Smooth | Задаёт режим построения для 3D-изображений.                                                                                                                                                                  |
| Translation (For/Back) |                                                          | Перемещает томографическое изображение или 3D-изображение вперед или назад.                                                                                                                                  |
| Gamma (3D)             | От 1 до 16                                               | Выбирает профиль кривой яркостных характеристик.                                                                                                                                                             |
| Smoothing (3D)         | Off<br>Low<br>Med1<br>Med2<br>High                       | Изменяет уровень сглаживания для 3D-изображения.                                                                                                                                                             |
| 3D Orientation         | 0°<br>90°<br>180°<br>270°                                | Вращает угол ориентации 3D-изображения при обзоре в направлении проекции.                                                                                                                                    |
| Color Map (3D)         | От A до H                                                | Выбирает цвет 3D-изображения.                                                                                                                                                                                |
| 3D View Direction      | Top<br>Bottom<br>Front<br>Back<br>Left<br>Right          | Переключает положение проекции 3D-изображения.                                                                                                                                                               |

Меню сенсорной панели

236 / MN1-6467RU ред.6



| Меню                 | Опции              | Описание                                                                                                                                                                                              |
|----------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Depth Attenuation    | От 1.0 до 10.0     | Выбирает уровень, до которого изменяется яркость направления глубины 3D-изображения и трехмерный эффект, который будет добавлен к изображению.                                                        |
| Placenta Rejection   | Off                | Завершает работу Placenta Rejection.                                                                                                                                                                  |
|                      | Auto<br>От 1 до 10 | Задаёт непрозрачность от границы со стороны обзора Clipper.                                                                                                                                           |
| Glossy Level         | От 0 до 10         | Задаёт уровень глянца для 3D-изображения.                                                                                                                                                             |
| Lower Threshold      | От 0 до 125        | Установка уровня удаления гипоехогенных шумов на 3D-изображениях.<br>ПРИМЕЧАНИЕ: Для 3D-изображения применяется наибольшее из двух значений (это значение или гипоехогенный уровень Opacity Control). |
| Clipping Curve Shape | От 1 до 8          | Изменяет форму Clipping Box.                                                                                                                                                                          |
| Opacity Control      | От 1 до 16         | Выбирает уровень Opacity Control (непрозрачности) 3D-изображения.<br>ПРИМЕЧАНИЕ: Для 3D-изображения применяется наибольшее из двух значений (это значение или гипоехогенный уровень Lower Threshold). |
| Rotation X           |                    | Вращает изображения сечений и 3D-изображение по оси X.                                                                                                                                                |
| Rotation Y           |                    | Вращает изображения сечений и 3D-изображение по оси Y.                                                                                                                                                |
| Rotation Z           |                    | Вращает изображение сечений и 3D-изображение по оси Z.                                                                                                                                                |
| 3D Surface           | Off                | Выключает 3D Surface.                                                                                                                                                                                 |
|                      | От 1 до 5          | Задаёт сглаживание 3D-изображения.                                                                                                                                                                    |
| 3D Edge Cont.        | Off                | Выключает 3D Edge Cont..                                                                                                                                                                              |
|                      | От 1 до 10         | Задаёт контраст 3D-изображения.                                                                                                                                                                       |
| 3D Edge Sens.        | От 1 до 10         | Изменяет контрастность при заданной функции 3D Edge Cont..                                                                                                                                            |
| Back Lighting Zone   | От 0 до 10         | Регулирует яркость задней части при включенном режиме 4Dshading. Чем меньше значение, тем темнее изображение.                                                                                         |
| Front Lighting Zone  | От 0 до 10         | Регулирует яркость передней части при включенном режиме 4Dshading. Чем меньше значение, тем темнее изображение.                                                                                       |
| Shadowing            | От 0 до 10         | Изменяет направленность света при включенном режиме 4Dshading. Чем больше значение, тем выше направленность и видимость границы тени.                                                                 |



### 8.3.11 Меню функций: HI DEF 3D

В данном разделе содержатся пояснения меню функций, относящихся к HI DEF 3D.

| Меню       | Опции     | Описание                                                                                                     |
|------------|-----------|--------------------------------------------------------------------------------------------------------------|
| HI DEF 3D  | Off<br>On | Изменение режима сбора 3D-данных на [HI DEF 3D] во время отображения в В-режиме.                             |
| Check Scan | Off<br>On | Выполняет непрерывное механическое сканирование для отображения изображения В-режима в диапазоне Scan Angle. |

## Предустановки

- 9.1 Краткое описание
- 9.2 Изменение настроек
- 9.3 Common Preset
- 9.4 Preset Control
- 9.5 Управление пользователями
- 9.6 Preset Set-Up Menu

## 9.1 Краткое описание

Функция предустановок может сохранять установленные условия и загружать их при необходимости. При использовании предустановок можно вносить корректировки и конфигурировать систему, используя простые процедуры, что уменьшает затрачиваемое на выполнение исследования время.

Можно переключать установленные значения в соответствии с конкретными задачами, исследуемой областью и предпочтениями оператора. Кроме того, можно унифицировать настройки. Сохраняя настройки в системе, можно сберечь время и силы, которые тратятся на настраивание сложных условий исследования, а также избежать ошибок при их введении.

Эта система позволяет пользователям регулировать качество исследования и устанавливать режимы отображения. Используя Common Preset, пользователи могут устанавливать общие исследования для каждой предустановки одной пакетной операцией.

Настоящая система имеет стандартные настройки, пригодные для различных диагностических областей, в том числе, для исследований брюшной полости, периферических сосудов и поверхностных органов, акушерских, гинекологических, кардиологических и урологических исследований.

При первом включении системы с использованием настройки по умолчанию, она будет готова к работе с применением предустановки General.

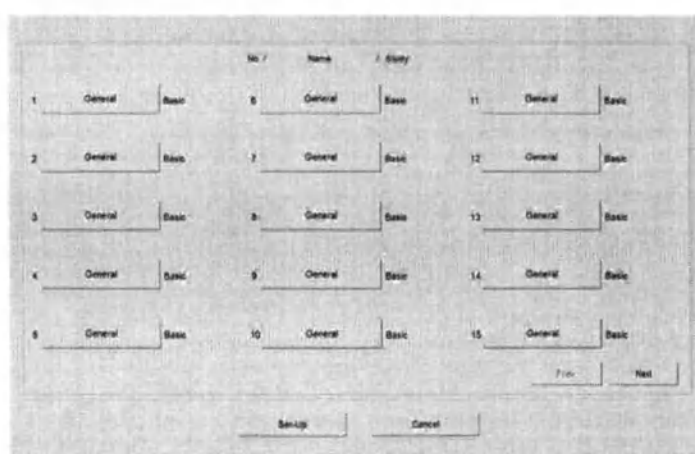
## 9.2 Изменение настроек

Выберите предустановку, как указано ниже, чтобы изменить настройки.

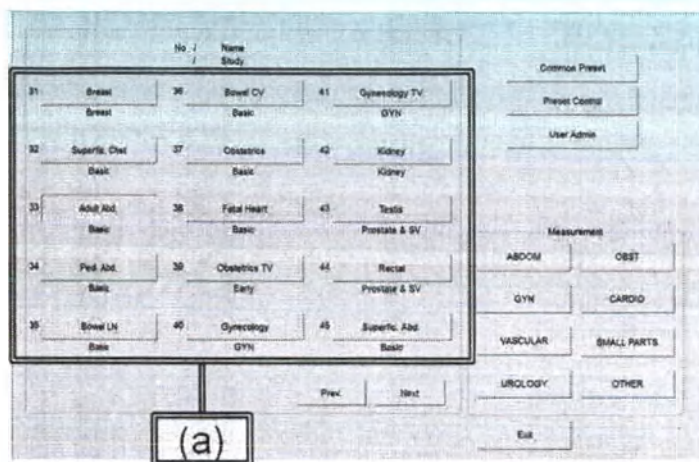
ПРИМЕЧАНИЕ: При отображении экрана Preset кнопка HOME недоступна.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.  
Отображается меню предустановки.

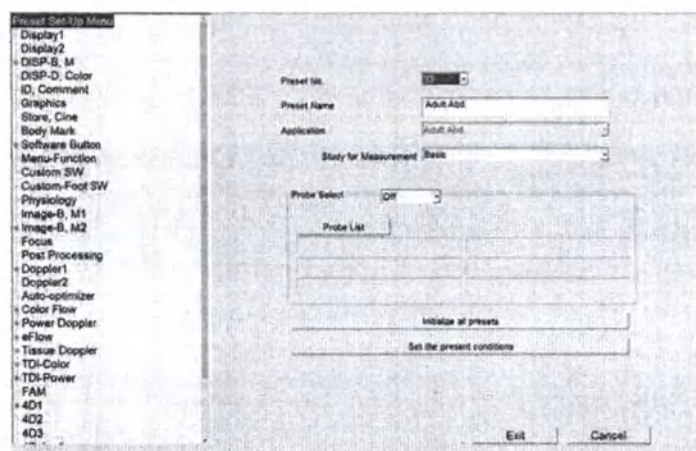


2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.



(a) Name/Study список

3. Выберите предустановку из списка Name.  
Если нужная предустановка не отображается  
 Выберите [Next] или [Prev.], чтобы изменить страницу списка Name.  
 Будет отображено Preset Set-Up Menu для выбранной предустановки.



4. Выберите меню настроек, подлежащих изменению из Tree View в левой части экрана.
5. Измените настройки элемента.  
Методы изменения настройки  
 Имеются три метода выполнения выбора: раскрывающийся список, текстовое поле и кнопка.
  - Раскрывающийся список  
 Выберите  рядом с раскрывающимся списком, затем выберите из списка элемент, который требуется изменить.
  - Текстовое поле  
 Выберите поле ввода, а затем введите текст с помощью экранной клавиатуры. Может иметься возможность непосредственного ввода текста в раскрывающийся список.
  - Кнопка  
 Выберите кнопку для желаемого изменения.



Существует два типа кнопок: кнопки переключения On/Off и кнопки, которые непосредственно initialize систему при нажатии.

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize all presets].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

## 9.3 Common Preset

Устанавливает элементы, общие для всех предустановок.

Сюда входят следующие предустановки.

|                   |                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------|
| Common1           | Устанавливает элементы, общие для всех предустановок (1).                                                |
| Common2           | Устанавливает элементы, общие для всех предустановок (2).                                                |
| Common3           | Monitor Setting: конфигурирует комбинации настроек яркости отображения.                                  |
| Print (Freeze)    | Устанавливает направление вывода снимков в режиме стоп-кадра.                                            |
| Print (Realtime)  | Устанавливает направление вывода снимков при отображении в реальном времени.                             |
| Print Select      | Устанавливает такие параметры, как формат и размер вывода в Archive Group, подключенные принтеры и т. п. |
| DICOM-Store, Send | Настройки для хранения и передачи изображений DICOM и установки сети.                                    |
| DICOM-Server      | Устанавливает сетевой сервер.                                                                            |
| DICOM-Address     | Задаёт название отделения, которое использует систему, и адрес системы.                                  |
| DICOM-Printer     | Задаёт сетевые настройки принтера DICOM (сетевого принтера).                                             |
| DICOM-SR          | Задаёт сетевые настройки сервера принтера DICOM SR.                                                      |
| DICOM-QR          | Задаёт сетевые настройки сервера принтера DICOM QR.                                                      |
| IHE/Auto Delete   | Задаёт сетевые настройки сервера MPPS и сервера Storage Commitment.                                      |
| Wi-Fi Setting     | Задаёт настройки беспроводного подключения.                                                              |

ПРИМЕЧАНИЕ: Экран Common Preset отображается даже если настройки, описанные на следующей странице, и [Settings] выбраны на экране HOME.

ПРИМЕЧАНИЕ: По поводу подробной информации о настройках сети обратитесь к администратору сети лечебного учреждения.

### 9.3.1 Common1

Устанавливает элементы, общие для всех предустановок.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.

2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите [Common Preset].  
Отообразится экран Common1.

The screenshot shows a software configuration window titled 'Common1'. It contains several input fields and dropdown menus for setting up the device. The fields include: Hospital Name (text input), Date (dropdown showing 21/07/00), Time (dropdown showing 14:12:00), Unit (Height) (dropdown showing cm), Unit (Weight) (dropdown showing kg), Date Format (dropdown showing YY/MM/DD), Resume (dropdown showing Off), Timer Freeze (dropdown showing On), Timer Freeze, Time (dropdown showing 20 min), Wall Filter Display (D) (dropdown showing Off), Screen Saver (dropdown showing On), Direct to B (dropdown showing Immediate), Trackball Sensitivity (dropdown showing 0), JPEG Q Factor (dropdown showing 99), Direct to B(3D) (dropdown showing On), and Frequency Information (dropdown showing Transmit). At the bottom right, there are 'Exit' and 'Cancel' buttons.

4. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите Initialize.
5. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

### Настройки Common1

| Элемент       | Опции                                                      | Описание                                                  |
|---------------|------------------------------------------------------------|-----------------------------------------------------------|
| Hospital Name | 20 символов × 2 строки                                     | Устанавливает название лечебного учреждения.              |
| Date          |                                                            | Устанавливает дату.                                       |
| Time          |                                                            | Устанавливает время.                                      |
| Unit (Height) | cm<br>m<br>feet/inch                                       | Устанавливает единицы для ввода роста на экране ввода ID. |
| Unit (Weight) | Kg<br>pound                                                | Устанавливает единицы для ввода массы на экране ввода ID. |
| Date Format   | YY/MM/DD<br>MMM.DD,YY<br>MM.DD,YY<br>DD-MMM-YY<br>DD-MM-YY | Устанавливает формат Date of birth на экране ввода ID.    |

| Элемент                 | Опции              | Описание                                                                                                                                                                                                                                                                   |
|-------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resume                  | Off                | Активирует заданную предустановку при запуске системы или начале исследования после выбора нового пациента.                                                                                                                                                                |
|                         | On                 | Настраивает параметры таким образом, чтобы при запуске системы исследование начиналось с применением настроек, использованных перед последним выключением питания. Аналогично при выборе нового пациента исследование начинается с последними использованными настройками. |
| Timer Freeze            | Off                | Переводит в состояние [Off] настройку для автоматической остановки изображений. Кроме того, в состоянии Off не активируется экранная заставка.                                                                                                                             |
|                         | On                 | Включает настройку для автоматической остановки изображений. Стоп-кадр включается, если на протяжении установленного времени не выполнялись никакие операции.                                                                                                              |
| Timer Freeze, Time      | От 1 до 20         | Если для параметра [Timer Freeze] установлено значение On, этот элемент устанавливает время до активации функции Timer Freeze или экранной заставки.                                                                                                                       |
| Wall Filter Display (D) | Off                | Устанавливает скрытие частоты Wall Filter, отображаемой для сохраненных изображений.                                                                                                                                                                                       |
|                         | On                 | Устанавливает отображение частоты Wall Filter, отображаемой для сохраненных изображений.                                                                                                                                                                                   |
| Screen Saver            | Off<br>On          | Включает или отключает отображение экранной заставки.                                                                                                                                                                                                                      |
| Direct to B             | Immediate          | Указывает настройки таким образом, что при нажатии клавиши [B] происходит возврат к 1В-режиму.                                                                                                                                                                             |
|                         | 0.3 sec<br>0.5 sec | Задает время, в течение которого следует нажать и удерживать клавишу [B] для возврата к 1В-режиму.                                                                                                                                                                         |
|                         | Off                | Отключает функцию нажатия и удерживания клавиши [B].                                                                                                                                                                                                                       |
| Trackball Sensitivity   | От -5 до 5         | Задает чувствительность трекбола.                                                                                                                                                                                                                                          |
| JPEG Q Factor           | От 50 до 99        | Задает степень сжатия изображения, используемую для синтаксиса передачи JPEG. Чем меньше значение, тем выше степень сжатия.                                                                                                                                                |
| Direct to B (3D)        | Off                | Задает настройки, которые переключают отображение на одиночный экран (1View) при нажатии клавиши [B] в режиме 4D или HI DEF 3D.                                                                                                                                            |
|                         | On                 | Задает настройки, которые возвращают в 1В-режим при нажатии клавиши [B] в режиме 4D или HI DEF 3D.                                                                                                                                                                         |

#### Предустановки



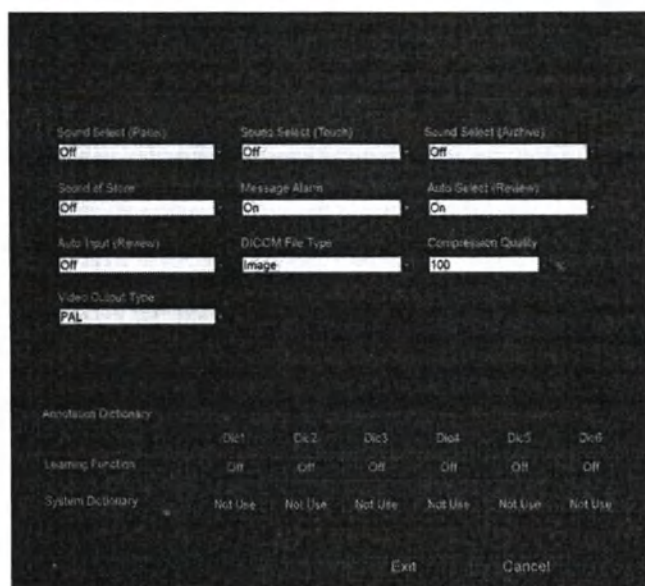
| Элемент               | Опции    | Описание                                                        |
|-----------------------|----------|-----------------------------------------------------------------|
| Frequency Information | Transmit | Задаёт информацию частоты передачи в режиме тканевой гармоники. |
|                       | Receive  | Задаёт информацию частоты приема в режиме тканевой гармоники.   |

### 9.3.2 Common2

Устанавливает элементы, общие для всех предустановок.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [Common2] из Tree View.  
Отобразится экран Common2.



5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

#### Настройки Common2

| Элемент              | Настройки | Функции                                                 |
|----------------------|-----------|---------------------------------------------------------|
| Sound Select (Panel) | Off<br>On | Задаёт звук при использовании кнопок панели управления. |



| Элемент                | Настройки                  | Функции                                                                                                                                                                                                  |
|------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sound Select (Touch)   | Off<br>A<br>B<br>C         | Задаёт звук при касании сенсорной панели.                                                                                                                                                                |
| Sound Select (Archive) | Off<br>A<br>B<br>C         | Задаёт звук при нажатии одного из переключателей для [Archive Group 1] – [Archive Group 3].                                                                                                              |
| Sound of Store         | Off<br>On                  | Задаёт звук выхода после сохранения снимка или движущегося изображения.                                                                                                                                  |
| Message Alarm          | Off<br>On                  | Устанавливает звук отображения сообщения (сигнал).                                                                                                                                                       |
| Auto Select (Review)   | Off                        | При отображении Image Viewer переводит в состояние "Off" функцию выбора всех изображений.                                                                                                                |
|                        | On                         | При отображении Image Viewer включает функцию выбора всех изображений.                                                                                                                                   |
| Auto Input (Review)    | Off                        | Этот параметр включает скрытие информации ID при отображении экрана поиска Review.                                                                                                                       |
|                        | On                         | Этот параметр включает отображение информации ID при отображении экрана поиска Review.                                                                                                                   |
| DICOM File Type        | Line                       | Если видеофрагмент сохраняется в виде файла DICOM в Review, эта настройка задаёт сохранение в формате Line.                                                                                              |
|                        | Image                      | Если видеофрагмент сохраняется в виде файла DICOM в Review, эта настройка задаёт сохранение в формате Multi Image.                                                                                       |
| Compression Quality    | От 30 до 100               | Задаёт степень сжатия (с шагом stepsf 10%) для изображений, преобразуемых в формат Multi Image из видеофрагментов Line или при конвертировании в файл AVI. Чем меньше значение, тем выше степень сжатия. |
| Video Output Type      | NTSC<br>PAL<br>DVI<br>HDMI | Устанавливает входные и выходные сигналы видео.                                                                                                                                                          |

### Настройки Annotation Dictionary

Устанавливает настройки для системных словарей, от Dictionary 1 (Dic1) до Dictionary 6 (Dic6).

| Элемент           | Настройки | Функции                                                              |
|-------------------|-----------|----------------------------------------------------------------------|
| Learning Function | Off       | Отображает в порядке регистрации пользователем и системного словаря. |
|                   | On        | Отображает в порядке, начиная с последнего выбранного слова.         |

Предустановки

246 / MN1-6467RU ред.6

| Элемент           | Настройки | Функции                                |
|-------------------|-----------|----------------------------------------|
| System Dictionary | Not Use   | Не используется как системный словарь. |
|                   | Use       | Используется как системный словарь.    |

### 9.3.3 Common3

Monitor Setting: устанавливает три типа (Type A, Type B, Type C) яркости экрана. После регистрации настроек можно переключаться между ними, используя Monitor Setting предустановки ([Preset Set-Up Menu > Display2]).

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [Common3] из Tree View.  
Отобразится экран Common3.

| LCDs/Panel Brightness  | Type A | Type B | Type C |
|------------------------|--------|--------|--------|
| Monitor Brightness     | 10     | 10     | 10     |
| Monitor Contrast       | 11     | 11     | 11     |
| Monitor Backlight      | 14     | 7      | 3      |
| Touch Panel Brightness | 15     | 8      | 2      |
| Panel LED Brightness   | High   | Medium | Low    |

|                  |                        |                       |
|------------------|------------------------|-----------------------|
| Skip Home screen | Swap Enter/Cancel SW's | Show measurement menu |
| On               | Off                    | Off                   |

Exit    Cancel

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

#### Настройки Common3

LCDs/Panel Brightness

| Элемент                | Настройки             | Функции                                              |
|------------------------|-----------------------|------------------------------------------------------|
| Monitor Brightness     | От 0 до 20            | Корректирует яркость отображения.                    |
| Monitor Contrast       | От 0 до 20            | Корректирует контрастность отображения.              |
| Monitor Backlight      | От 0 до 20            | Корректирует интенсивность фоновой подсветки экрана. |
| Touch Panel Brightness | От 0 до 15            | Корректирует яркость сенсорной панели.               |
| Panel LED Brightness   | Low<br>Medium<br>High | Корректирует яркость светодиодов на панели.          |

| Элемент                    | Настройки | Функции                                                                      |
|----------------------------|-----------|------------------------------------------------------------------------------|
| Skip Home screen           | Off       | Отображает главный экран при запуске системы.                                |
|                            | On        | Отображает экран сканирования при запуске системы.                           |
| Swap Enter/<br>Cancel SW's | Off       | Переключает функции клавиши [Enter] и клавиши [Cancel] на панели управления. |
|                            | On        |                                                                              |
| Show measurement menu      | Off       | Отображает меню измерений на экране сканирования в ходе измерения.           |
|                            | On        |                                                                              |

### 9.3.4 Print (Freeze)

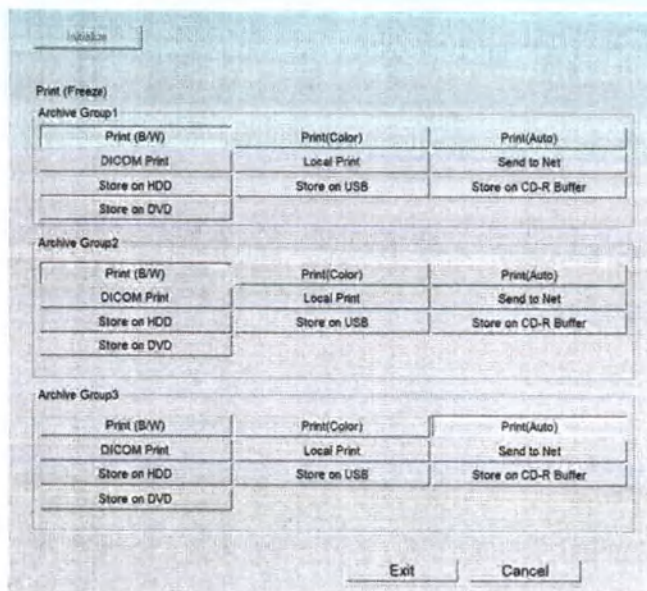
Эта предустановка задает метод вывода статичного снимка при остановленном изображении.

Можно установить метод вывода для пользовательского переключателя в Archive Group 1 – Archive Group 3.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [Print (Freeze)] из Tree View.  
Отобразится экран Print (Freeze).





5. Выберите метод вывода.

Если оставить неустановленным

Если определенный выбор не сделан, то метод вывода не установлен.

Методы вывода, которые нельзя выбрать одновременно

При выборе Print (Auto) нельзя одновременно выбрать Print (B&W) или Print (Color).

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### 9.3.5 Print (Realtime)

Эта предустановка задает метод вывода снимка при отображении в реальном времени.

Можно установить метод вывода для пользовательского переключателя в Archive Group 1 – Archive Group 3. При нажатии [Custom SW] (присвоенного Archive Group 1 – Archive Group 3), будет использован метод вывода, который установлен для присвоенного Archive Group 1 – Archive Group 3.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [Print (Realtime)] из Tree View.  
Отобразится экран Print (Realtime).



5. Выберите метод вывода.

Если оставить не установленным

Если определенный выбор не сделан, то метод вывода не установлен.

Методы вывода, которые нельзя выбрать одновременно

При выборе Print (Auto) нельзя одновременно выбрать Print (B&W) или Print (Color).

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### 9.3.6 Print Select

В данной предустановке задан формат Archive Group 1 – Archive Group 3.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [Print Select] из Tree View.  
Отобразится экран Print Select.

Initialize

Print Select

Format Type (Archive Group)

USB CD-R  
DICOM DICOM

Media2 DVD  
DICOM

Printer Select (B/W) Printer Select (Color) Number of Pages to Print  
P95D SSZ-D710 1

Print Area  
Auto

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки Print Select

| Элемент                  | Настройки                     | Функции                                                                                             |
|--------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------|
| USB                      | DICOM<br>JPEG<br>BMP<br>TIFF  | Устанавливает формат хранения для функции Store on USB в Archive Group 1 – Archive Group 3.         |
| CD-R                     | DICOM<br>JPEG<br>BMP<br>TIFF  | Устанавливает формат хранения для функции Store on CD-R Buffer в Archive Group 1 – Archive Group 3. |
| DVD                      | DICOM<br>JPEG<br>BMP<br>TIFF  | Устанавливает формат хранения для функции Store on DVD в Archive Group 1 – Archive Group 3.         |
| Printer Select(B/W)      | SSZ-X311<br>UP-X898MD<br>P95D | Устанавливает черно-белый принтер.                                                                  |
| Printer Select (Color)   | SSZ-D710<br>UP-D25MD<br>CP30D | Устанавливает цветной принтер.                                                                      |
| Number of Pages to Print | От 1 до 3                     | Задаёт количество выполнений непрерывных операций печати с помощью цифрового черно-белого принтера. |

| Элемент    | Настройки | Функции                                                                                                                                                                                                            |
|------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print Area | Small     | Задаёт значение Small для масштаба изображения при распечатывании изображения на цифровом принтере. Целевой областью является область отображения ультразвукового изображения.                                     |
|            | Full      | Задаёт значение Full для масштаба изображения при распечатывании изображения на цифровом принтере. Целевыми областями являются все области, кроме области отображения миниатюр и области отображения меню функций. |
|            | Auto      | Задаёт значение Auto для масштаба изображения при распечатывании изображения на цифровом принтере.                                                                                                                 |

### 9.3.7 DICOM-Store, Send

Устанавливает условия сохранения для изображений DICOM. Также могут быть введены сетевые настройки системы.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [DICOM-Store, Send] из Tree View.  
Отобразится экран DICOM-Store, Send.



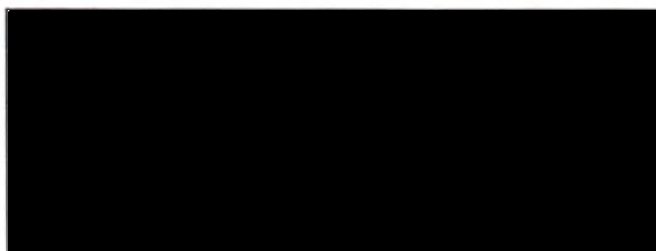
5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.



Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

ПРИМЕЧАНИЕ: Если информационная сеть была изменена, это может стать причиной возникновения новых и неприемлемых рисков, в результате требуется проведение дополнительных мер управления рисками. См. отдельный документ «Руководство по эксплуатации».

## Настройки хранения изображений DICOM

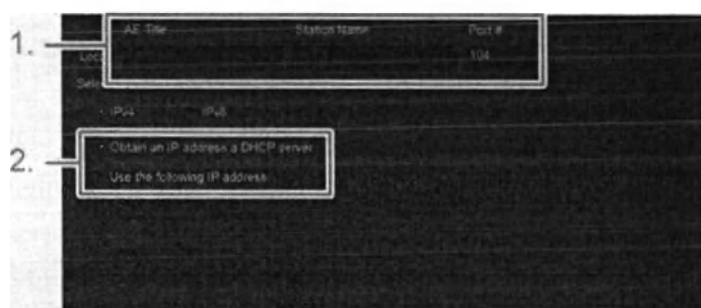


| Элемент                   | Настройки                                                           | Функции                                                                                                                                                                                                                                          |
|---------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Private Tag               | None                                                                | Устанавливает вывод данных DICOM без указания тега скрытия.                                                                                                                                                                                      |
|                           | Put into File.                                                      | Устанавливает настройки для добавления тега скрытия при сохранении данных DICOM на внешний носитель.                                                                                                                                             |
|                           | Put into Network.                                                   | Устанавливает настройки для добавления тега скрытия при передаче данных DICOM на сервер.                                                                                                                                                         |
|                           | Put into Both.                                                      | Устанавливает настройки для добавления тега скрытия при сохранении данных DICOM на внешний носитель или передачи их на сервер.                                                                                                                   |
|                           | Put into File + DICOMDIR.                                           | Устанавливает настройки для добавления тега скрытия при сохранении данных DICOM на внешний носитель также к DICOMDIR.                                                                                                                            |
|                           | Put into All.                                                       | Устанавливает настройки для добавления тега скрытия при сохранении данных DICOM на внешний носитель или передачи их на сервер также к DICOMDIR.                                                                                                  |
| Store on Disk Color       | Palette Color RGB                                                   | Устанавливает формат сохранения при сохранении цветных изображений на диск.                                                                                                                                                                      |
| Store on Disk Syntax      | Implicit Little<br>Explicit Little<br>RLE Lossless<br>JPEG Baseline | Устанавливает синтаксис передачи при сохранении изображений на диск.                                                                                                                                                                             |
| Send to Storage Line Data | Not Send                                                            | При отправке изображений на сервер через Review эта настройка устанавливает отправку всех изображений, кроме видеофрагментов Line.                                                                                                               |
|                           | Send                                                                | При отправке изображений на сервер через Review эта настройка устанавливает включение видеофрагментов Line при отправке данных. Эта настройка используется для отправки изображений на такой сервер, который может получать видеофрагменты Line. |



| Элемент                       | Настройки                           | Функции                                                                                                                                          |
|-------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Send to Storage Color         | Palette Color<br>RGB<br>Monochrome2 | Устанавливает формат сохранения для отправки цветных изображений через сеть.                                                                     |
| Send to Storage JPEG Q Factor | От 50 до 99                         | Устанавливает коэффициент сжатия изображений, если для параметра Syntax установлено значение JPEG. Чем меньше значение, тем выше степень сжатия. |
| Send to Storage Window Center | От 0 до 255 (ввод с клавиатуры)     | При отправке изображений DICOM с форматом хранения "Monochrome2", этот параметр устанавливает "Window Center" (0028, 1050) в DICOM Tag.          |
| Send to Storage Window Width  | От 1 до 256 (ввод с клавиатуры)     | При отправке изображений DICOM с форматом хранения "Monochrome2", этот параметр устанавливает "Window Width" (0028, 1051) в DICOM Tag.           |

## Установить IP-адрес системы



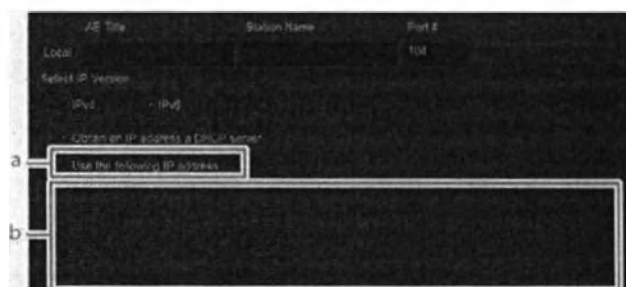
## Процедура

1. Введите AE Title, Station Name и Port # системы через DICOM-Store, Send в предустановках.
2. Выберите тип IP-адреса системы.

Чтобы автоматически получить IP-адрес через сервер DHCP.

Выберите [Obtain an IP address a DHCP server.].

Чтобы использовать фиксированный IP-адрес



- a. Выберите [Use the following IP address].
- b. Введите IP Address, Router 1, Router 2 и Subnet Mask или Prefix Length системы.

## Настройки (общие)

| Элемент           | Настройки         | Функции                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local Ping        |                   | Проверяет, правильно ли работает TCP/IP настоящей системы.                                                                                                                                                                                                                                                                                                                                                                    |
| AE Title          | Ввод с клавиатуры | Задаёт имя AE для системы.                                                                                                                                                                                                                                                                                                                                                                                                    |
| Station Name      | Ввод с клавиатуры | Задаёт имя станции для системы.                                                                                                                                                                                                                                                                                                                                                                                               |
| Port #            | Ввод с клавиатуры | Задаёт номер порта системы. Стандартная настройка DICOM - 104.                                                                                                                                                                                                                                                                                                                                                                |
| Select IP Version | IPv4<br>IPv6      | Устанавливает версию IP, используемую на системе. Окно IP-адреса изменится на вариант, подходящий для IPv4 или для IPv6, в зависимости от настройки параметра Select IP Version.<br>Эта настройка также определяет, будут ли данные передаваться на сервер IPv4 или на сервер IPv6. Если выбран вариант IPv4, то применяется настройка для сервера IPv4. Если выбран вариант IPv6, то применяется настройка для сервера IPv6. |

### Если для параметра Select IP Version установлено значение IPv4

| Элемент     | Настройки         | Функции                                                                 |
|-------------|-------------------|-------------------------------------------------------------------------|
| IP Address  | Ввод с клавиатуры | Задаёт IPv4-адрес системы.                                              |
| Router 1    | Ввод с клавиатуры | Указывает значение настройки, задавая IPv4-адрес TCP/IP-маршрутизатора. |
| Router 2    | Ввод с клавиатуры | Если маршрутизатор не используется, это поле оставляют незаполненным.   |
| Subnet Mask | Ввод с клавиатуры | Задаёт IPv4-адрес маски сети TCP/IP.                                    |

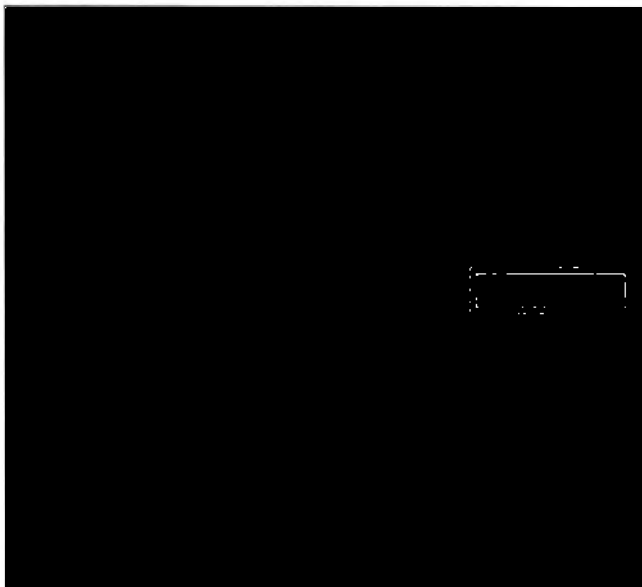
### Если для параметра Select IP Version установлено значение IPv6

| Элемент       | Настройки         | Функции                                                                 |
|---------------|-------------------|-------------------------------------------------------------------------|
| IP Address    | Ввод с клавиатуры | Задаёт IPv6-адрес системы.                                              |
| Router 1      | Ввод с клавиатуры | Указывает значение настройки, задавая IPv6-адрес TCP/IP-маршрутизатора. |
| Router 2      | Ввод с клавиатуры | Если маршрутизатор не используется, это поле оставляют незаполненным.   |
| Prefix Length | Ввод с клавиатуры | Устанавливает значение длины префикса для IPv6-адреса.                  |

ПРИМЕЧАНИЕ: Правила ввода IPv6-адресов соответствуют правилам, действующим в Windows.

## Проверка TCP/IP системы

Проверьте, правильно ли работает TCP/IP настоящей системы.



- Выберите [Local Ping] через DICOM-Store, Send в предустановке. Отображается начальное сообщение и система начинает проверять работу TCP/IP. После окончания теста на экран выводится следующее сообщение.

| Сообщения                               | Результаты проверки                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|
| Ping check to *****.*****<br>successful | Указывает, что TCP/IP работает нормально.                                                        |
| Ping check to *****.*****<br>failed     | Указывает, что TCP/IP не работает.<br>Обратитесь к сетевому администратору лечебного учреждения. |

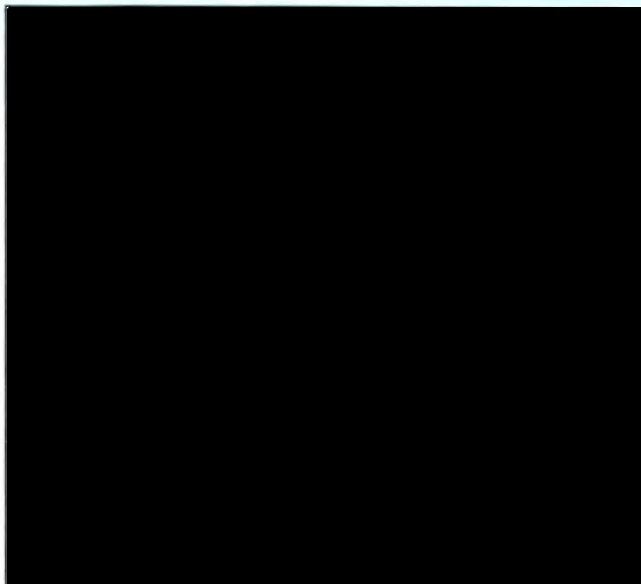
### 9.3.8 DICOM-Server

Создает настройки для сервера DICOM и Worklist.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [DICOM-Server] из Tree View. Отобразится экран DICOM-Server.

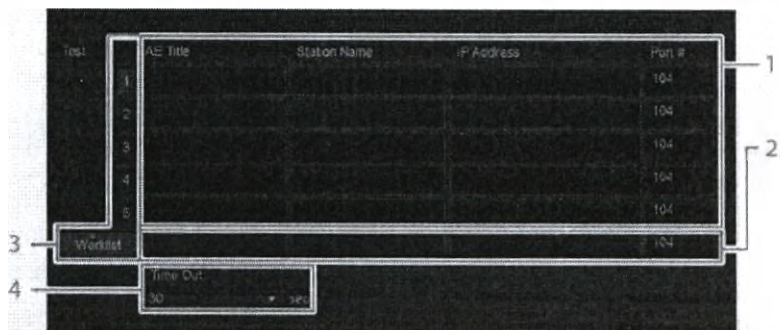




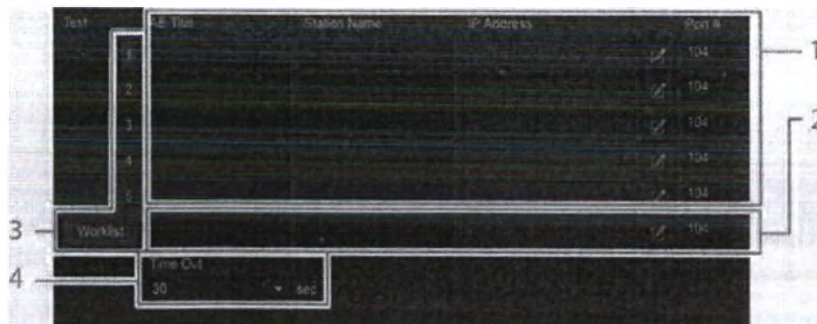
5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Ввод сетевых настроек

Если для параметра Select IP Version установлено значение IPv4



Если для параметра Select IP Version установлено значение IPv6





## Процедура

1. Введите настройки для сетевых серверов через DICOM-Server в предустановках.
  - a. Введите AE Title.
  - b. Введите Station Name.
  - c. Введите IP Address.
  - d. Введите Port #.
  - e. Введите настройки для необходимого количества сетевых серверов.
2. При необходимости, настройте Worklist.

Если Worklist и службы хранения изображений имеют отличающиеся AE Title  
Введите сетевые настройки для Worklist.

Если Worklist и службы хранения изображений имеют одинаковый AE Title  
Оставьте поле Worklist незаполненным.
3. Устанавливает целевой сетевой сервер.

Если Worklist и службы хранения изображений имеют отличающиеся AE Title  
Выберите сетевой сервер от [1] до [5] и [Worklist].

Если Worklist и службы хранения изображений имеют одинаковый AE Title  
Выберите сетевой сервер от [1] до [5].
4. Установите время до истечения времени ожидания при обмене информацией в поле Time Out.

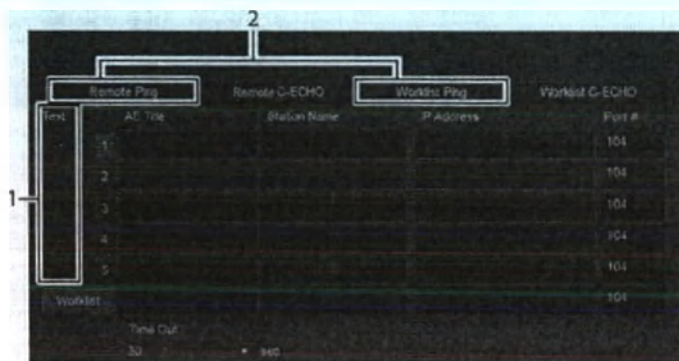
## Настройки

| Элемент      | Настройки         | Функции                                                                                                                                                                                                                                             |
|--------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AE Title     | Ввод с клавиатуры | Задаёт название программы сетевого сервера.                                                                                                                                                                                                         |
| Station Name | Ввод с клавиатуры | Задаёт имя компьютера сетевого сервера.                                                                                                                                                                                                             |
| IP Address   | Ввод с клавиатуры | Задаёт сетевой адрес сетевого сервера.<br>ПРИМЕЧАНИЕ: Если для параметра Select IP Version установлено значение IPv6 и была нажата кнопка редактирования IP Address, то будет отображено диалоговое окно настройки IPv6-адреса. Укажите IPv6-адрес. |
| Port #       | Ввод с клавиатуры | Задаёт номер порта TCP/IP, используемый сервером сети. Стандартная настройка DICOM - 104.                                                                                                                                                           |
| Time Out     | От 1 до 1000      | Устанавливает время до истечения времени ожидания в секундах.                                                                                                                                                                                       |

## Проверка TCP/IP для сетевых серверов

Проверьте, правильно ли работает TCP/IP сетевого сервера.

Параметры AE Title, Station Name и IP Address можно проверить для всех включенных сетевых серверов.



## Процедура

1. Выберите сетевые серверы, подлежащие проверке, из раздела [Test] в предустановке DICOM-Server (если они отличаются от Worklist).
2. Если проверяется сервер Worklist, затем выберите [Worklist Ping]. Для любого другого сетевого сервера выберите [Remote Ping].  
Отображается начальное сообщение и система начинает проверять работу TCP/IP.

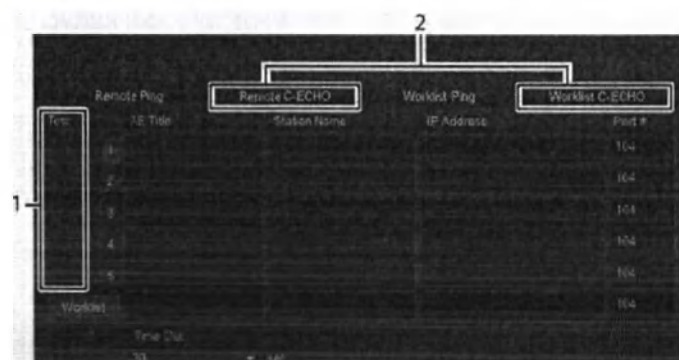
После окончания теста на экран выводится следующее сообщение.

| Сообщения                              | Результаты проверки                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------|
| Ping check to ***** . ***** successful | Указывает, что TCP/IP работает.                                                                  |
| Ping check to ***** . ***** failed     | Указывает, что TCP/IP не работает.<br>Обратитесь к сетевому администратору лечебного учреждения. |

## Проверка C-ECHO для сетевых серверов

Эта проверка позволяет установить, обладает ли сетевой сервер функцией совместимости с DICOM и функционирует ли он.

Параметры AE Title, Station Name и IP Address можно проверить для всех включенных сетевых серверов.



## Процедура

1. Чтобы проверить любой сервер, кроме сервера Worklist, выберите проверяемый сетевой сервер из раздела Test в предустановке DICOM-Server.

2. Чтобы проверить сервер Worklist, затем выберите [Worklist C-ECHO]. Для любого другого сетевого сервера выберите [Remote C-ECHO].  
Отображается начальное сообщение и система начинает проверять работу TCP/IP.  
После окончания теста на экран выводится следующее сообщение.

| Сообщения                                 | Результаты испытания                                                                                                            |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Echo check to ***** . *****<br>successful | Указывает, что функционал совместимости с DICOM работоспособен.                                                                 |
| Echo check to ***** . *****<br>failed     | Указывает, что функционал совместимости с DICOM неработоспособен.<br>Обратитесь к сетевому администратору лечебного учреждения. |

### 9.3.9 DICOM-Address

Задаёт название отделения, которое использует систему, и адрес системы.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [DICOM-Address] из Tree View.  
Отобразится экран DICOM-Address.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.



Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки DICOM-Address

| Элемент    | Настройки         | Функции                           |
|------------|-------------------|-----------------------------------|
| Department | Ввод с клавиатуры | Устанавливает название отделения. |
| Address    | Ввод с клавиатуры | Задаёт-адрес системы.             |

## 9.3.10 DICOM-Printer

Эта предустановка задаёт настройки для принтера DICOM (сетового принтера).

### Процедура

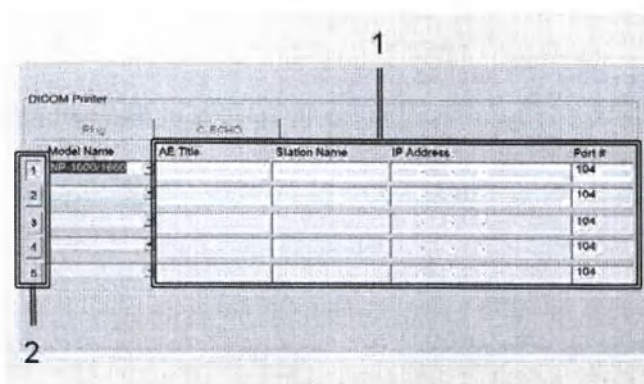
1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [DICOM-Printer] из Tree View.  
Отобразится экран DICOM-Printer.

|   | Model Name   | AE Title | Station Name | IP Address | Port # |
|---|--------------|----------|--------------|------------|--------|
| 1 | NIP-16001600 |          |              |            | 104    |
| 2 |              |          |              |            | 104    |
| 3 |              |          |              |            | 104    |
| 4 |              |          |              |            | 104    |
| 5 |              |          |              |            | 104    |

5. Измените настройки элемента.
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.



## Ввод сетевых настроек



### Процедура

1. Введите настройки для сетевых серверов через DICOM-Printer в предустановках.
  - a. Введите AE Title.
  - b. Введите Station Name.
  - c. Введите IP Address.
  - d. Введите Port #.
  - e. Введите настройки для необходимого количества сетевых серверов.
2. Конфигурирует целевые сетевые серверы от [1] до [5].

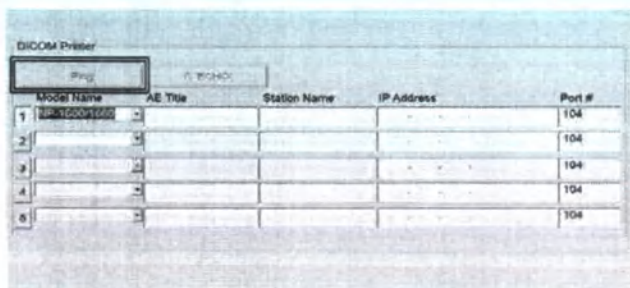
### Настройки

| Элемент      | Настройки                                     | Функции                                                                                                                                                                                                                                             |
|--------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Name   | NP-1600/1660<br>FUJIFILM<br>KONICA<br>GENERAL | Задаёт название принтера.                                                                                                                                                                                                                           |
| AE Title     | Ввод с клавиатуры                             | Задаёт название программы сетевого сервера.                                                                                                                                                                                                         |
| Station Name | Ввод с клавиатуры                             | Задаёт имя компьютера сетевого сервера.                                                                                                                                                                                                             |
| IP Address   | Ввод с клавиатуры                             | Задаёт сетевой адрес сетевого сервера.<br>ПРИМЕЧАНИЕ: Если для параметра Select IP Version установлено значение IPv6 и была нажата кнопка редактирования IP Address, то будет отображено диалоговое окно настройки IPv6-адреса. Укажите IPv6-адрес. |
| Port #       | Ввод с клавиатуры                             | Задаёт номер порта TCP/IP, используемый сервером сети. Стандартная настройка DICOM - 104.                                                                                                                                                           |

### Проверка TCP/IP для сетевых серверов

Проверьте, правильно ли работает TCP/IP сетевого сервера.

Параметры AE Title, Station Name и IP Address можно проверить для всех включенных сетевых серверов.



## Процедура

1. Выбирает сетевой сервер для проверки (от [1] до [5]) в предустановке DICOM-Printer.
2. Выберите [Ping].

Отображается начальное сообщение и система начинает проверять работу TCP/IP.

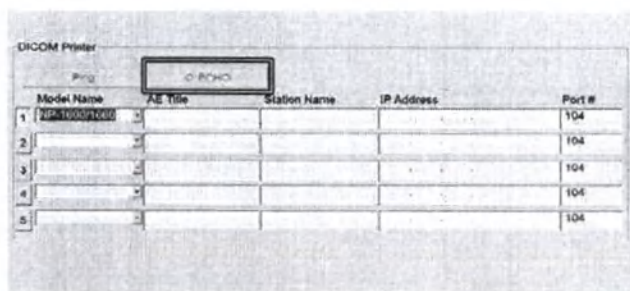
После окончания теста на экран выводится следующее сообщение.

| Сообщения                              | Результаты проверки                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------|
| Ping check to ***** . ***** successful | Указывает, что TCP/IP работает.                                                                  |
| Ping check to ***** . ***** failed     | Указывает, что TCP/IP не работает.<br>Обратитесь к сетевому администратору лечебного учреждения. |

## Проверка C-ECHO для сетевых серверов

Эта проверка позволяет установить, обладает ли сетевой сервер функцией совместимости с DICOM и функционирует ли он.

Параметры AE Title, Station Name и IP Address можно проверить для всех включенных сетевых серверов.



## Процедура

1. Выбирает сетевой сервер для проверки (от [1] до [5]) в предустановке DICOM-Printer.
2. Выберите [C-ECHO].

Отображается начальное сообщение и система проверяет работу TCP/IP для DICOM printer.

После окончания теста на экран выводится следующее сообщение.

| Сообщения                                 | Результаты проверки                                                                                                             |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Echo check to ***** . *****<br>successful | Указывает, что функционал совместимости с DICOM работоспособен.                                                                 |
| Echo check to ***** . *****<br>failed     | Указывает, что функционал совместимости с DICOM неработоспособен.<br>Обратитесь к сетевому администратору лечебного учреждения. |

### 9.3.11 DICOM-SR

Эта предустановка устанавливает параметры, относящиеся к серверу DICOM SR.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [DICOM-SR] из Tree View.  
Отобразится экран DICOM-SR.

Initialize

SR Auto Creation  
Off

DICOM SR Storage

| Connect | AE Title | Station Name | IP Address | Port # |
|---------|----------|--------------|------------|--------|
| Remote1 |          |              |            | 104    |
| Remote2 |          |              |            | 104    |

Exit Cancel

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.



## Настройки DICOM-SR

| Элемент          | Настройки            | Функции                                                                                                                                                                                                                                                                                                                                             |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SR Auto Creation | Off                  | Этот параметр конфигурирует систему таким образом, чтобы она не создавала файл DICOM SR после выполнения исследования, даже если выбран [New Patient].                                                                                                                                                                                              |
|                  | On                   | Этот параметр конфигурирует систему таким образом, чтобы она создавала файл DICOM SR и отправляла его на сервер после завершения исследования и выбора [New Patient].                                                                                                                                                                               |
| Ping             |                      | Проверяют правильность подключения TCP/IP сервера DICOM SR с выбранным номером к сети. Для выполнения этой проверки необходимо установить все параметры сервера DICOM SR с таким номером (AE Title, Station Name, IP Address и Port#). После начала проверки следуйте инструкциям, появляющимся в диалоговом окне.                                  |
| C-ECHO           |                      | Проверяет, имеет ли сервер DICOM SR с выбранным номером функциональность совместимости с DICOM SR и работает ли сервер. Для выполнения этой проверки необходимо установить все параметры сервера DICOM SR с таким номером (AE Title, Station Name, IP Address и Port#). После начала проверки следуйте инструкциям, появляющимся в диалоговом окне. |
| Connect          | Remote 1<br>Remote 2 | Устанавливает сервер DICOM SR.                                                                                                                                                                                                                                                                                                                      |
| AE Title         | Ввод с клавиатуры    | Задаёт название программы сервера DICOM SR.                                                                                                                                                                                                                                                                                                         |
| Station Name     | Ввод с клавиатуры    | Задаёт имя компьютера сервера DICOM SR.                                                                                                                                                                                                                                                                                                             |
| IP Address       | Ввод с клавиатуры    | Задаёт сетевой адрес, присвоенный серверу DICOM SR.<br><br>ПРИМЕЧАНИЕ: Если для параметра Select IP Version установлено значение IPv6 и была нажата кнопка редактирования IP Address, то будет отображено диалоговое окно настройки IPv6-адреса. Укажите IPv6-адрес.                                                                                |
| Port #           | Ввод с клавиатуры    | Задаёт номер порта TCP/IP, используемый сервером DICOM SR.                                                                                                                                                                                                                                                                                          |

### 9.3.12 DICOM-QR

Устанавливает параметры, относящиеся к серверу DICOM QR.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.



2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [DICOM-QR] из Tree View.  
Отобразится экран DICOM-QR.



5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки DICOM-QR

| Элемент     | Настройки | Функции                                                                                                                                                                                                                                                                                                                                               |
|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Local Port# |           | Вводит номер порта TCP/IP для DICOM QR.                                                                                                                                                                                                                                                                                                               |
| Ping        |           | Проверяют правильность подключения TCP/IP сервера DICOM QR с выбранным номером к сети.<br>Для выполнения этой проверки необходимо установить все параметры сервера с таким номером (AE Title, Station Name, IP Address и Port#). После начала проверки следуйте инструкциям, появляющимся в диалоговом окне.                                          |
| C-ECHO      |           | Эта функция проверяет позволяет установить, обладает ли сервер с указанным No. функцией совместимости с DICOM и работает ли он.<br>Для выполнения этой проверки необходимо установить все параметры сервера с таким номером (AE Title, Station Name, IP Address и Port#). После начала проверки следуйте инструкциям, появляющимся в диалоговом окне. |

| Элемент      | Настройки                                                | Функции                                                                                                                                                                                                                                                 |
|--------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connect      | Remote 1<br>Remote 2<br>Remote 3<br>Remote 4<br>Remote 5 | Устанавливает сервер.                                                                                                                                                                                                                                   |
| AE Title     | Ввод с клавиатуры                                        | Задаёт название программы сервера.                                                                                                                                                                                                                      |
| Station Name | Ввод с клавиатуры                                        | Задаёт имя компьютера сервера.                                                                                                                                                                                                                          |
| IP Address   | Ввод с клавиатуры                                        | Задаёт сетевой адрес, присвоенный серверу.<br>ПРИМЕЧАНИЕ: Если для параметра Select IP Version установлено значение IPv6 и была нажата кнопка редактирования IP Address, то будет отображено диалоговое окно настройки IPv6-адреса. Укажите IPv6-адрес. |
| Port #       | Ввод с клавиатуры                                        | Задаёт номер порта TCP/IP, используемый сервером.                                                                                                                                                                                                       |

### 9.3.13 IHE/Auto Delete

Эта предустановка задаёт настройки сети для сервера MPPS и сервера Storage Commitment.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [IHE/Auto Delete] из Tree View.  
Отобразится экран IHE/Auto Delete.

The screenshot shows the 'IHE/Auto Delete' configuration window. It includes settings for 'MPPS Server' and 'Storage Commitment', each with a table for Remote connections. The 'Auto Image Delete' option is currently turned off, and the 'Delete Object' option is set to 'Copied or Sent Images'.

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки IHE/Auto Delete

Эти настройки включают параметры для сервера MPPS и сервера Storage Commitment, а также параметры для Auto Delete.

| Элемент           | Настройки  | Функции                                                                                                                                                                                                      |
|-------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Retries           | 0          | Задаёт настройку для отображения ошибки и отказа от повторной отправки запроса на сервер Storage Commitment, если сервер не отвечает.                                                                        |
|                   | От 1 до 99 | Устанавливает количество повторов отправки запросов серверу Storage Commitment, если он не отвечает на запрос.<br>Задаёт настройку для отображения ошибки, если превышено установленное количество повторов. |
|                   | Unlimited  | Задаёт настройку для повторения отправки запросов серверу Storage Commitment, пока он не ответит на запрос.                                                                                                  |
| Retry Interval    | От 1 до 60 | Устанавливает интервал для повторных отправок запросов серверу.                                                                                                                                              |
|                   | Power On   | Устанавливает настройку для повторных отправок запроса серверу только при включённом питании.                                                                                                                |
|                   | min        | Устанавливает в качестве единиц измерения Retry Interval минуты (minute).                                                                                                                                    |
|                   | H          | Устанавливает в качестве единиц измерения Retry Interval часы (hour).                                                                                                                                        |
| Transaction Limit | От 1 до 60 | Устанавливает время ожидания для получения ответа от сервера Storage Commitment (время до повторной отправки запроса) после отправки изображения на сервер.                                                  |
|                   | Unlimited  | Настраивает систему, чтобы она не направляла повторный запрос на сервер Storage Commitment после отправки изображения на сервер до получения ответа от него.                                                 |
|                   | H          | Устанавливает в качестве единиц измерения Transaction Limit hours.                                                                                                                                           |
|                   | D          | Устанавливает в качестве единиц измерения Transaction Limit days.                                                                                                                                            |
|                   | W          | Устанавливает в качестве единиц измерения Transaction Limit weeks.                                                                                                                                           |



| Элемент      | Настройки  | Функции                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Holding Time | От 0 до 60 | Устанавливает период времени, в течение которого следующие изображения будут храниться в системе: Изображения, сохраненные на локальном жёстком диске, изображения, сохраненные с локального жёсткого диска на внешний носитель информации, или изображения, отправленные с локального жёсткого диска на сервер.<br>Функция управляет временем хранения на основании временного периода (количества дней и часов), в течение которого изображения хранились на локальном жёстком диске. |
|              | D          | Устанавливает в качестве единиц измерения времени хранения в системе days.                                                                                                                                                                                                                                                                                                                                                                                                              |
|              | W          | Устанавливает в качестве единиц измерения времени хранения в системе weeks.                                                                                                                                                                                                                                                                                                                                                                                                             |
|              | M          | Устанавливает в качестве единиц измерения времени хранения в системе months.                                                                                                                                                                                                                                                                                                                                                                                                            |

Таблица 1. MPPS Server

| Элемент      | Настройки            | Функции                                                                                                                                                                                                                             |
|--------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ping         |                      | Проверяют правильность подключения TCP/IP сервера MPPS с выбранным номером к сети.<br>Для выполнения этой проверки для выбранного сервера MPPS должны быть установлены AE Title, Station Name, IP Address.                          |
| C-ECHO       |                      | Проверяет, имеет ли сервер MPPS с выбранным номером функциональность совместимости с MPPS и работает ли он.<br>Для выполнения этой проверки для выбранного сервера MPPS должны быть установлены AE Title, Station Name, IP Address. |
| Connect      | Remote 1<br>Remote 2 | Устанавливает целевой сервер MPPS.                                                                                                                                                                                                  |
| AE Title     | Ввод с клавиатуры    | Задаёт название программы сервера MPPS.                                                                                                                                                                                             |
| Station Name | Ввод с клавиатуры    | Задаёт имя компьютера сервера MPPS.                                                                                                                                                                                                 |
| IP Address   | Ввод с клавиатуры    | Задаёт сетевой адрес сервера MPPS.                                                                                                                                                                                                  |
| Port #       | Ввод с клавиатуры    | Задаёт номер порта TCP/IP, используемый сервером MPPS.                                                                                                                                                                              |

Таблица 2. Storage Commitment



| Элемент      | Настройки            | Функции                                                                                                                                                                                                                                                         |
|--------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ping         |                      | Проверяет работу сетевых соединений TCP/IP для сервера Storage Commitment с указанным номером. Для выполнения этой проверки для выбранного сервера Storage Commitment должны быть установлены AE Title, Station Name, IP Address.                               |
| C-ECHO       |                      | Проверяет, имеет ли сервер Storage Commitment с выбранным номером функциональность совместимости с Storage Commitment и работает ли он. Для выполнения этой проверки для сервера Storage Commitment должны быть установлены AE Title, Station Name, IP Address. |
| Connect      | Remote 1<br>Remote 2 | Устанавливает сервер Storage Commitment.                                                                                                                                                                                                                        |
| AE Title     | Ввод с клавиатуры    | Задаёт название программы сервера Storage Commitment.                                                                                                                                                                                                           |
| Station Name | Ввод с клавиатуры    | Задаёт имя компьютера сервера Storage Commitment.                                                                                                                                                                                                               |
| IP Address   | Ввод с клавиатуры    | Задаёт сетевой адрес сервера Storage Commitment .                                                                                                                                                                                                               |
| Port #       | Ввод с клавиатуры    | Задаёт номер порта TCP/IP, используемый сервером Storage Commitment.                                                                                                                                                                                            |

Таблица 3. Настройки Auto Image Delete

Auto Image Delete это функция, автоматически удаляющая изображения, которые сохранены на локальном жёстком диске или внешнем носителе информации, или изображения с локального жёсткого диска, которые были отправлены на сервер, после истечения установленного времени.

| Элемент           | Настройки          | Функции                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auto Image Delete | Storage Commitment | Устанавливает настройку, согласно которой система автоматически удаляет изображения, сохраненные на локальный жёсткий диск (с синим значком), для которых прошло установленное время Holding Time после получения Commitment.<br>Эти изображения будут удалены при первом включении системы после истечения установленного периода Holding Time.                        |
|                   | Time               | Устанавливает настройку, согласно которой система автоматически удаляет те из сохраненных на локальном жёстком диске изображений, для которых истекло время, установленное параметром Holding Time, и которые были указаны параметром Delete Object.<br>Эти изображения будут удалены при первом включении системы после истечения установленного периода Holding Time. |
|                   | Off                | Переводит в состояние "Off" функцию автоматического удаления сохраненных изображений.                                                                                                                                                                                                                                                                                   |

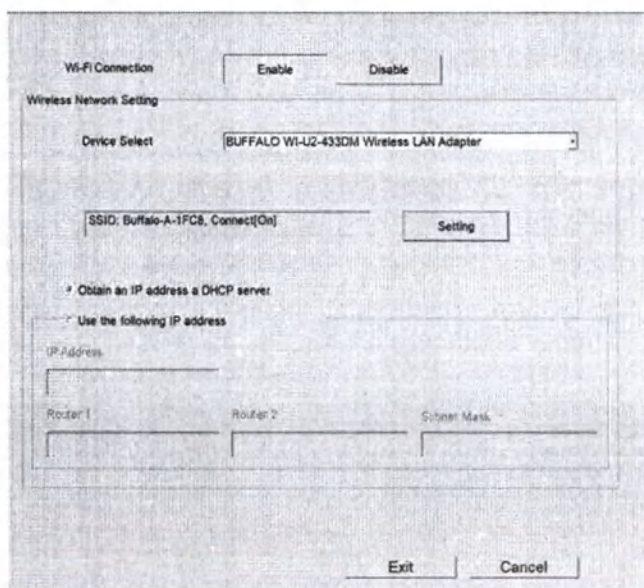
| Элемент       | Настройки             | Функции                                                                                                                                                                                                                                                                  |
|---------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Delete Object | All Images            | При использовании этой настройки все изображения, сохраненные на локальном жёстком диске, могут быть подвергнуты автоматическому удалению.                                                                                                                               |
|               | Copied or Sent Images | При использовании этой настройки все изображения, сохраненные на локальном жёстком диске, которые были сохранены на внешний носитель информации или отправлены на сервер (имеющие голубой, оранжевый или синий значок), могут быть подвергнуты автоматическому удалению. |

### 9.3.14 Wi-Fi Setting

Задаёт настройки беспроводного подключения.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Common Preset].
4. Выберите [Wi-Fi Setting] из Tree View.  
Отобразится экран Wi-Fi Setting.



5. Измените настройки элемента.
  - a. Выберите [Setting].  
Отображаются беспроводные сети (SSID).
  - b. Укажите объект подключения выберите [Connect].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Wi-Fi Setting

| Элемент          | Настройки | Функции                                                 |
|------------------|-----------|---------------------------------------------------------|
| Wi-Fi Connection | Enable    | Разрешает подключение к беспроводной сети LAN больницы. |
|                  | Disable   | Запрещает подключение к беспроводной сети LAN больницы. |

### Настройки беспроводной сети

| Элемент                            | Опции             | Описание                                                                                  |
|------------------------------------|-------------------|-------------------------------------------------------------------------------------------|
| Device Select                      |                   | Задаёт беспроводное устройство, которое будет подключаться к сети Wi-Fi больницы.         |
| Obtain an IP address a DHCP server | On<br>Off         | Задаёт настройку, при которой IP адрес будет автоматически запрашиваться у сервера DHCP.  |
| Use the following IP address       |                   | Задаёт фиксированный IP-адрес. Необходимо установить значения для следующих 4 параметров. |
| IP Address                         | Ввод с клавиатуры | Задаёт IP-адрес системы.                                                                  |
| Router 1                           | Ввод с клавиатуры | Задаёт настройки, требующую указания IP-адреса для маршрутизатора TCP/IP.                 |
| Router 2                           | Ввод с клавиатуры | Если маршрутизатор не используется, это поле оставляют незаполненным.                     |
| Subnet Mask                        | Ввод с клавиатуры | Задаёт IP-адрес маски сети TCP/IP.                                                        |

## 9.4 Preset Control

Эта функция копирует набор данных для каждого Preset No. (настройки, связанные с изображениями и измерениями). Эта функция также копирует эти настройки на внешний носитель. Кроме данных Preset No., можно также копировать данные Annotation Dictionary, Bodymark Library, Common Preset, Color Map, Color Map (B/M/D) и Measurement.

Чтобы копировать данные между системой и запоминающим устройством USB с флеш-памятью, подключите носитель USB с флеш-памятью к системе.

### 9.4.1 Изменение последовательности предустановок

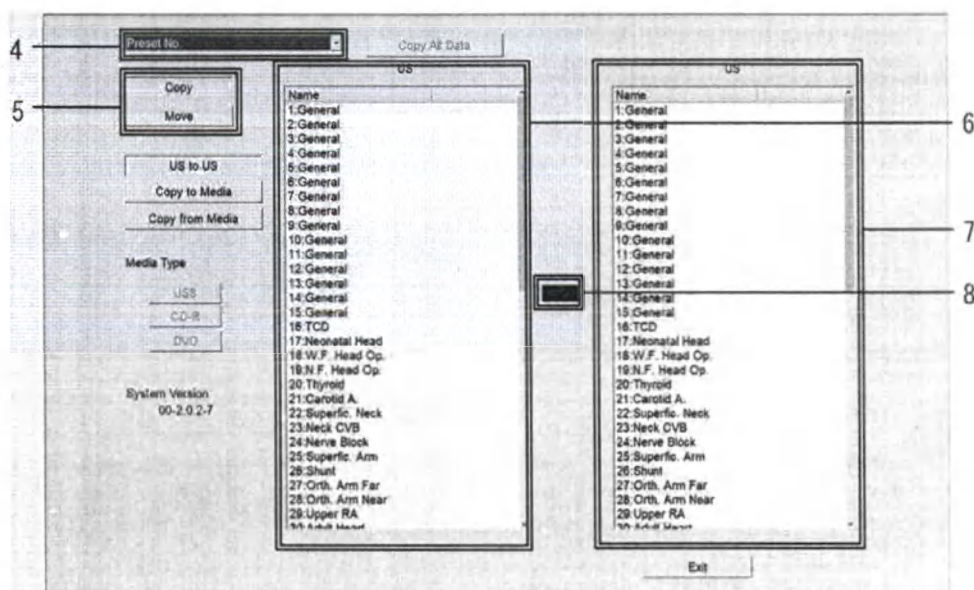
Можно изменять только последовательность Preset No.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.



2. Выберите [Set-Up].
3. Выберите [Preset Control].  
Отображается следующий экран.



4. Выберите [Preset No.] из раскрывающего списка.
5. Выберите [Move].
6. Выберите данные для перемещения из списка с левой стороны от стрелки.
7. Выберите номер места перемещения в списке с правой стороны от стрелки.
8. Выберите стрелку.  
Порядок списка Preset No. будет изменен.

## 9.4.2 Копирование выбранной предустановки

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Preset Control].  
Отображается следующий экран.



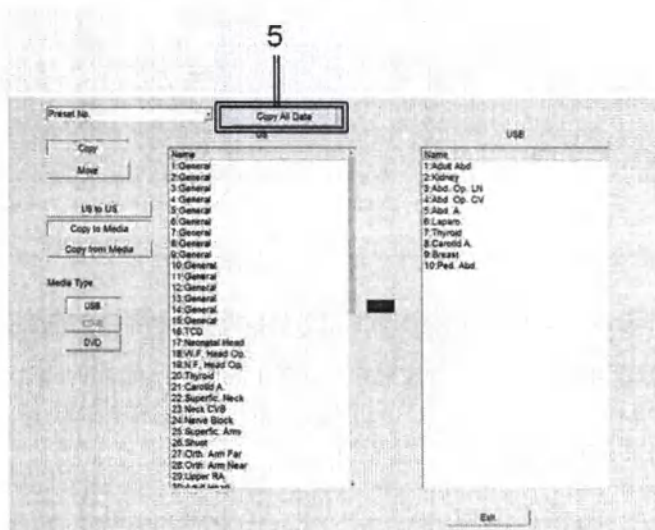


### 9.4.3 Копирование всех данных предустановки

Эта функция выполняет пакетное копирование данных предустановок на запоминающее устройство USB с флеш-памятью. Однако Bodymark Library не входит в копируемый пакет.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [Preset Control].  
Отображается следующий экран.



4. Подключите к системе запоминающее устройство USB с флеш-памятью.
5. Выберите [Copy All Data].  
Будет отображено сообщение In progress. Please wait., и начнется копирование.  
ПРИМЕЧАНИЕ: Пока отображается сообщение, не извлекайте запоминающее устройство USB с флеш-памятью.  
Когда копирование будет завершено, скопированные предустановки будут отображаться в списке копирования (список справа от стрелки).

## 9.5 Управление пользователями

Эту систему могут использовать только зарегистрированные пользователи. Данные о пациенте, настройки системы и записи контрольных журналов управляются и защищены.

Предоставление разрешений на управление системой только зарегистрированным пользователям помогает организации защиты данных о пациенте и отслеживанию доступа к таким данным. Имеются три уровня разрешения доступа пользователей, что помогает поддерживать такие состояния системы, как предустановки.

ПРИМЕЧАНИЕ: В заводских настройках по умолчанию функция проверки подлинности пользователя выключена. Зарегистрированных пользователей нет. Перед использованием возможности проверки подлинности пользователя обратитесь к нам.

| Права доступа                                                                                                                                                                                                                                                                                                                                                                   | Level 1 | Level 2 | Level 3 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| Управление пользователями <ul style="list-style-type: none"> <li>• Настройки для функции проверки подлинности пользователей</li> <li>• Управление пользователями (регистрация новых пользователей, удаление пользователей, изменение прав доступа)</li> <li>• Контрольные журналы (задание включения или выключения, просмотр, удаление и вывод на внешний носитель)</li> </ul> | Yes     | No      | No      |
| Управление данными пациента                                                                                                                                                                                                                                                                                                                                                     | Yes     | Yes     | No      |
| Конфигурация предустановки                                                                                                                                                                                                                                                                                                                                                      | Yes     | Yes     | No      |
| Изменение паролей входа                                                                                                                                                                                                                                                                                                                                                         | Yes     | Yes     | Yes     |
| Другие элементы управления                                                                                                                                                                                                                                                                                                                                                      | Yes     | Yes     | Yes     |

ПРИМЕЧАНИЕ: При отображении экрана проверки подлинности пользователя кнопка HOME недоступна.

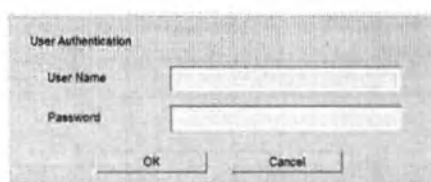
## 9.5.1 User Admin

Эта функция регистрирует новых пользователей и удаляет зарегистрированных пользователей. Она также устанавливает уровни доступа пользователя. Доступ к управлению пользователями имеют только пользователи уровня 1.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [User Admin].

Будет отображено диалоговое окно входа в систему.



4. Войдите в систему.
    - a. Введите User name и Password.
    - b. Выберите [OK].

Будет отображен экран управления User.
  5. Зарегистрируйте или удалите пользователей или установите уровни доступа.
  6. Выберите [Exit].
- Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.



## 9.5.2 Конфигурирование проверки подлинности пользователя

Устанавливает, нужно ли проводить проверку подлинности пользователя при запуске или после выхода пользователя из системы.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [User Admin] на экране Presets Setting Selection.
4. Введите User name и Password на экране User Authentication (экран входа).
5. Выберите [OK].  
После выдачи разрешения на доступ отображается экран User Admin (управления пользователями).
6. Сконфигурируйте проверку подлинности пользователя через список User Authentication.
  - "On"  
Включает проверку подлинности пользователей. Экран входа в систему отображается при запуске или после выхода пользователя из системы.
  - "Off"  
Выключает проверку подлинности пользователей. Экран входа не отображается. Все операции разрешены.  
ПРИМЕЧАНИЕ: User Admin в предустановках доступен только пользователям уровня 1.
7. Когда на экране появится сообщение, нажмите [OK]. Настройки будут применены при следующем запуске.

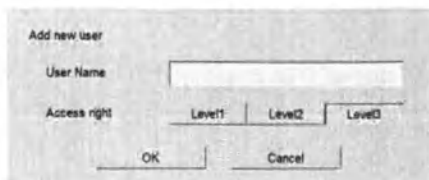
## 9.5.3 Регистрация пользователей

Изменение названия настроек пользователя.

### Процедура

1. Отобразите предустановку [User Admin].
  - a. Выберите значок [Preset] на вкладке [Accessories] в меню функций.
  - b. Выберите [Set-Up].
  - c. Выберите [User Admin].
  - d. Введите User name и Password на экране User Authentication (экран входа).
  - e. Выберите [OK].  
После завершения проверки подлинности будет отображен экран User Admin.
2. Выберите [Add User].  
Будет отображено диалоговое окно Add New User.





3. В поле [User name] введите имя пользователя длиной не более 16 буквенно-цифровых символов.
4. Выберите устанавливаемые разрешения на доступ.
5. Выберите [OK].  
Новый пользователь будет зарегистрирован, будет вновь отображен экран User Admin.  
При выборе [Cancel] будет вновь отображен экран User Admin, никакие изображения зарегистрированы не будут.

### 9.5.4 Удаление зарегистрированных пользователей

ПРИМЕЧАНИЕ: Удалить пользователя, вошедшего в систему, невозможно.

#### Процедура

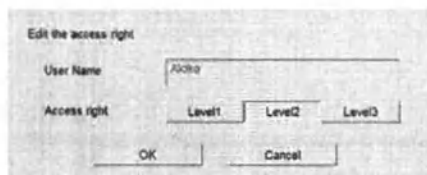
1. Отображение [User Admin] для предустановки.
  - a. Выберите [Preset] на вкладке [Accessories] в меню функций.
  - b. Выберите [Set-Up].
  - c. Выберите [User Admin] на экране Presets Setting Selection.
  - d. Введите User name и Password на экране входа в систему.
  - e. Выберите [OK].  
После завершения проверки подлинности будет отображен экран User Admin.
2. Выберите необходимого пользователя.
3. Выберите [Delete user].  
Появится следующее сообщение: «Are you sure you want to delete the selected user name?»
4. Выберите [Yes].  
Пользователь будет удален, будет вновь отображен экран управления пользователями.  
При выборе [No] будет вновь отображен экран User Admin, никакие изображения зарегистрированы не будут.

### 9.5.5 Изменение уровней доступа пользователя

#### Процедура

1. Отображение [User Admin] для предустановки.
  - a. Выберите [Preset] на вкладке [Accessories] в меню функций.
  - b. Выберите [Set-Up].

- с. Выберите [User Admin] на экране Presets Setting Selection.
- д. Введите User name и Password на экране User Authentication (экран входа).
- е. Выберите [OK].  
После завершения проверки подлинности будет отображен экран User Admin.
2. Выберите необходимого пользователя.
3. Выберите [Access control].  
Будет отображено диалоговое окно "Edit the access right".



4. Выберите уровень, который необходимо назначить.
5. Выберите [OK].  
Уровень пользователя изменится, отображение вернется к экрану User Admin.  
При выборе [Cancel] будет вновь отображен экран User Admin, никакие изображения зарегистрированы не будут.

### 9.5.6 Вывод списков пользователей

Эта функция выводит список зарегистрированных в настоящее время имен пользователей и их уровни в файл CSV на указанном носителе информации. Подключите к системе запоминающее устройство USB с флеш-памятью.

#### Процедура

1. Отобразите [User Admin] из предустановок.
  - а. Выберите [Preset] на вкладке [Accessories] в меню функций.
  - б. Выберите [Set-Up].
  - с. Выберите [User Admin].
  - д. Введите User name и Password на экране User Authentication (экран входа).
  - е. Выберите [OK].  
После завершения проверки подлинности будет отображен экран User Admin.
2. Выберите [User list].  
Список зарегистрированных в настоящее время имен пользователей и их уровни сохраняются как файл CSV на запоминающем устройстве USB с флеш-памятью. Если файл с таким именем существует, существующий файл перезаписывается.

### 9.5.7 Настройка и использование контрольных журналов

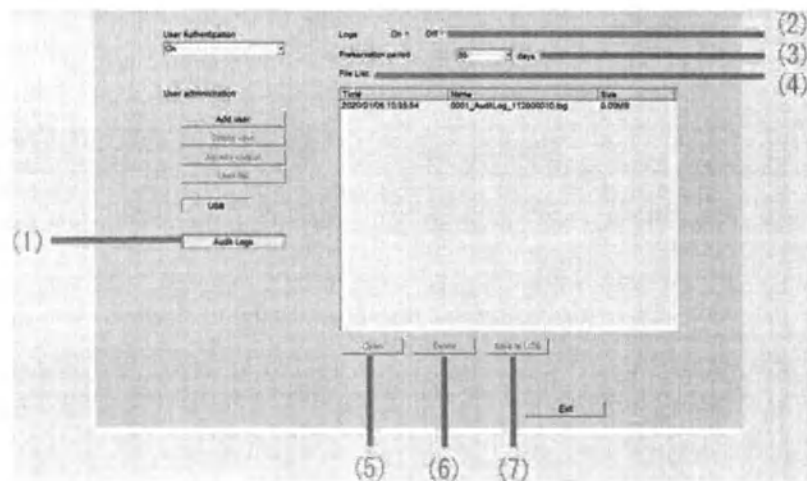
Обращения к системе, связанные с управлением пользователями и с данными пациента, регистрируются в форме записей контрольного журнала.

ПРИМЕЧАНИЕ: В составе данных контрольного журнала регистрируется следующая информация:

- Управление пользователями
  - Попытки входа в экран управления пользователями
  - Изменения настроек проверки подлинности пользователя, регистрация и редактирование пользователей, вывод списков пользователей
  - Попытки (успешные и неудачные) войти в систему и выйти из системы при выполнении проверки учетных данных пользователей
  - Регистрация и обновление паролей проверки учетных данных пользователей
- Доступ к данным о пациенте.
  - Регистрация пользователя на экране ID
  - Поиск, обновление и удаление данных о пациенте на экране ID и экране управления данными
  - Сохранение изображений
  - Поиск, удаление, вывод на носитель информации и вывод сохраненных изображений на сервер.

## Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].
3. Выберите [User Admin].  
 Если отображается экран входа  
 Введите свои имя пользователя и пароль, а затем нажмите [OK].
4. Выберите [Audit Logs].  
 Отображается экран настроек контрольного журнала.



- (1) [Audit Logs]  
Отображается экран настроек контрольного журнала.
- (2) Logs  
Включает или выключает внесение записей в контрольный журнал.  
Эта настройка вступает в силу после перезапуска системы.



- |     |                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (3) | <b>Preservation period</b><br>Устанавливает продолжительность хранения контрольных журналов.<br>Эта настройка вступает в силу после перезапуска системы.       |
| (4) | <b>File list</b><br>Отображает список файлов контрольных журналов, которые хранятся в системе.                                                                 |
| (5) | <b>[Open]</b><br>Отображает содержимое того файла контрольного журнала, который выбран в поле File list.                                                       |
| (6) | <b>[Delete]</b><br>Удаляет файл контрольного журнала, который выбран в поле File list.                                                                         |
| (7) | <b>[Save to USB]</b><br>Сохраняет файл контрольного журнала, который выбран в поле File list, на подключенный внешний носитель информации в текстовом формате. |

## 9.6 Preset Set-Up Menu

Меню Preset Set-Up Menu включает предустановки, которые можно сконфигурировать для каждого приложения.

|                    |                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Preset Set-Up Menu | Регистрирует название предустановки, приложение, измерительное исследование и другие элементы, относящиеся к выбранному Preset No. |
| Display1           | Задаёт настройки, относящиеся к отображаемому экрану.                                                                              |
| Display2           | Задаёт настройки, относящиеся к отображаемому экрану.                                                                              |
| DISP-B, M          | Указывает настройки для отображения изображений В-режима и М-режима.                                                               |
| DISP-D, Color      | Настраивает D-режим и Color-режим.                                                                                                 |
| ID, Comment        | Задаёт настройки, относящиеся к вводу комментариев и информации пациента.                                                          |
| Graphics           | Задаёт настройки, относящиеся к отображаемым на экране графическим элементам.                                                      |
| Store, Cine        | Задаёт настройки для сохранения изображений.                                                                                       |
| Body Mark          | Задаёт настройки для отображения на экране меток области исследования и меню меток области исследования.                           |
| Software Button    | Устанавливает функции, присваиваемые программным кнопкам.                                                                          |
| Menu-Function      | Задаёт настройки для функций, присвоенных меню функций.                                                                            |
| Custom SW          | Устанавливает функции, присваиваемые пользовательским переключателям.                                                              |
| Custom-Foot SW     | Устанавливает функции, присваиваемые дополнительному ножному переключателю.                                                        |
| Physiology         | Задаёт настройки отображения физиологических сигналов.                                                                             |
| Image-B, M1        | Указывает настройки для корректировок изображений В-режима и М-режима.                                                             |



|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| Image-B, M2     | Указывает настройки для корректировок изображений В-режима и М-режима.                                 |
| Focus           | Задаёт настройки, относящиеся к Focus.                                                                 |
| Post Processing | Задаёт настройки, относящиеся к Post Processing.                                                       |
| Doppler1        | Задаёт настройки режима Doppler.                                                                       |
| Doppler2        | Задаёт настройки режима Doppler.                                                                       |
| Auto-optimizer  | Задаёт настройки Auto-optimizer.                                                                       |
| Color Flow      | Задаёт настройки режима Color Flow.                                                                    |
| Power Doppler   | Задаёт настройки режима Power Doppler.                                                                 |
| eFlow           | Задаёт настройки режима eFlow.                                                                         |
| Tissue Doppler  | Задаёт настройки режима Tissue Doppler.                                                                |
| TDI-Color       | Задаёт настройки режима TDI Color.                                                                     |
| TDI-Power       | Задаёт настройки режима TDI Power Doppler.                                                             |
| FAM             | Задаёт настройки, относящиеся к Free Angular M mode.                                                   |
| 4D1             | Задаёт настройки режима 4D.                                                                            |
| 4D2             | Задаёт настройки режима 4D.                                                                            |
| 4D3             | Задаёт настройки режима 4D.                                                                            |
| 4Dshading       | Задаёт настройки 4Dshading.                                                                            |
| HI DEF 3D       | Задаёт настройки режима HI DEF 3D.                                                                     |
| DISP-CHI, F1    | Задаёт настройки для изображений контрастной гармонической визуализации и изображений базовой частоты. |
| Image-CHI, F11  | Задаёт настройки для изображений контрастной гармонической визуализации и изображений базовой частоты. |
| Image-CHI, F12  | Задаёт настройки для изображений контрастной гармонической визуализации и изображений базовой частоты. |

## 9.6.1 Preset Set-Up Menu

Preset Set-Up Menu регистрирует название предустановки, приложение, измерительное исследование и другие элементы, относящиеся к выбранному Preset No.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.

Preset No. 33

Preset Name Adult Abd.

Application Adult Abd.

Study for Measurement Basic

Probe Select Off

| Probe List |  |
|------------|--|
|            |  |
|            |  |
|            |  |

Initialize all presets

Set the present conditions

Exit Cancel

Для пакетной инициализации всех параметров указанной предустановки выберите [Initialize all presets].

Для пакетной регистрации текущих состояний системы выберите [Set the present conditions].

## (1) Изменение настройки элемента

### Процедура

1. Отобразите [Preset Set-Up Menu].
2. Выберите Preset No. из раскрывающего списка.  
Предустановка переключается на предустановку с указанным номером.
3. Измените настройки элемента.

1 General Basic 2 General Basic 3 General Basic 4 General Basic 5 General Basic 6 General Basic 7 General Basic 8 General Basic 9 General Basic 10 General Basic 11 General Basic 12 General Basic 13 General Basic 14 General Basic 15 General Basic

Preset No. 33

Preset Name Adult Abd.

Application Adult Abd.

Study for Measurement Basic

Probe Select Off

| Probe List |  |
|------------|--|
| 143K       |  |
| 1441       |  |
| 164        |  |

Initialize all presets

Set the present conditions

Exit Cancel

- а. В поле [Preset Name] введите название предустановки с помощью клавиатуры.

- b. Выберите область исследования из раскрывающегося списка Application.
  - c. Выберите Study из раскрывающегося списка Study for Measurement.
4. Выберите [Exit].
- Измененные настройки будут финализированы и будет снова отображен список выбора предустановок настроек.
- Если выбрать [Cancel], система вернется к списку выбора настроек, не внося изменений в элементы выбранной предустановки.

## **(2) Связывание предустановок и датчиков**

### **Процедура**

1. Отобразите [Preset Set-Up Menu].  
ПРИМЕЧАНИЕ: При необходимости выберите [Preset No.] из раскрывающегося списка.
2. Зарегистрируйте датчик в Probe List.  
Probe List предназначается для конфигурирования датчиков. Список также конфигурирует предустановку с имеющимся в системе Preset No., которая включается при подключении соответствующего датчика.
  - a. Выберите [Probe List].  
Отображается Probe List.
  - b. Выберите тип датчика из раскрывающегося списка.
  - c. Выберите название датчика.  
Чтобы отменить выбор выбранного датчика  
Повторно выберите название выбранного в настоящий момент датчика.
  - d. Повторите этапы b и c для конфигурирования всех требуемых датчиков.  
С использованием 1 предустановки можно конфигурировать до 6 датчиков.
  - e. Выберите [Exit].  
Отображаются датчики, выбранные в [Preset Set-Up Menu].

Preset No. 33

Preset Name Adult Abd.

Application Adult Abd.

Study for Measurement Basic

Probe Select Off

| Probe List |  |
|------------|--|
| L43K       |  |
| L441       |  |
| L64        |  |

Initialize all presets

Set the present conditions

Exit Cancel

3. Выберите [Probe Select].

Параметр Probe Select используется для указания необходимости переключения датчиков при переключении предустановки.

- "On": при подключении датчика, указанного в Probe List, система переключается на этот датчик.  
Если подключены два или более датчиков, зарегистрированных в Probe List, система переключается на датчик, подключенный к разъему датчика с наименьшим порядковым номером.
- "Off": настраивает систему так, что переключается только предустановка.  
Датчики не переключаются.

4. Выберите [Exit].

Измененные настройки будут финализированы и будет снова отображен список выбора предустановок настроек.

Если выбрать [Cancel], система вернется к списку выбора настроек, не внося изменений в список датчиков.

## 9.6.2 Display1

Задаёт настройки, относящиеся к отображаемому экрану.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Display1] из Tree View.  
Отображается следующий экран.



Initialization No : 33

Name : Adult Abd. Application : Adult Abd.

Initial Mode: Single FmT: Off WbT: On

Initial Mode, Color: Off Initial Mode, TDI: Normal

Single Format Size (W): Wide Dual Format Size (W): Wide Quad Format Size (W): Wide

B Format Size (H): Wide B\* Format: L/R B\* Format Size: Wide

Scan Area (B): 100 % Scan Area (B-Color): 100 % Scan Area (B-Color\*): 75 %

Scan Area (FAM): 100 % Dual Display Format: L/R

Area Width (Color): 50 % Area Width (Color\*): 50 % Area Height (Color): 40 %

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Измененные настройки будут финализированы и будет снова отображен список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Display1

| Элемент             | Настройки                                     | Функции                                                                                                                                                                            |
|---------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Initial Mode        | Single<br>Dual<br>Quad<br>B/M<br>B/PW<br>B/CW | Устанавливает режим отображения при запуске.                                                                                                                                       |
| FmT                 | Off<br>On                                     | Использует настройки FmT (Filter-method Tissue Harmonic Imaging) при запуске В-режима.<br>ПРИМЕЧАНИЕ: Если и для FmT, и для WbT установлены значения "On", то WbT имеет приоритет. |
| WbT                 | Off<br>On                                     | Использует настройки WbT (Wideband Tissue Harmonic Imaging) при запуске В-режима.<br>ПРИМЕЧАНИЕ: Если и для FmT, и для WbT установлены значения "On", то WbT имеет приоритет.      |
| Initial Mode, Color | Off                                           | Выключает режимы Color Flow, Power Doppler и eFlow при запуске.                                                                                                                    |
|                     | Color Flow<br>Power Doppler<br>eFlow          | Включает режимы Color Flow, Power Doppler и eFlow при запуске.                                                                                                                     |

| Элемент                | Настройки      | Функции                                                                                                                                                                                                                                           |
|------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Initial Mode, TDI      | Normal         | Устанавливает режимы D, Color Flow и Power Doppler в их нормальные состояния.                                                                                                                                                                     |
|                        | TDI            | Устанавливает режимы D, Color Flow и Power Doppler в их состояния для TDI.                                                                                                                                                                        |
| Single Format Size (W) | Normal<br>Wide | Устанавливает ширину изображений В-режима для режима 1B.                                                                                                                                                                                          |
| Dual Format Size (W)   | Normal<br>Wide | Устанавливает ширину изображений В-режима для режима 2B.                                                                                                                                                                                          |
| Quad Format Size (W)   | Normal<br>Wide | Устанавливает ширину изображений В-режима для режима 4B.                                                                                                                                                                                          |
| B Format Size (H)      | Normal         | Устанавливает высоту изображения В-режима или изображения М-режима, отображаемых в режимах В, 2B, В/D, В/М или М на нормальный уровень.                                                                                                           |
|                        | Wide           | Устанавливает высоту изображения В-режима или изображения М-режима, отображаемых в режимах В, 2B, 4B, В/D, В/М или М на уровень выше нормального. Изображение отображается в увеличенном масштабе.                                                |
| B/* Format             | L/R            | Настраивает вывод изображений в режиме В/Sweep бок о бок.                                                                                                                                                                                         |
|                        | U/L            | Настраивает вывод изображений в режиме В/Sweep одно над другим.                                                                                                                                                                                   |
| B/* Format Size        | Normal         | Настраивает вывод изображений в режиме В/Sweep нормальной ширины.                                                                                                                                                                                 |
|                        | Wide           | Настраивает ширину изображения в режиме В/Sweep так, чтобы оно было шире нормальной ширины отображения для экрана L/R.<br>Устанавливает высоту изображения В-режима по вертикали для экрана U/L равной примерно 1/2 от высоты в режиме прокрутки. |
| Scan Area (B)          | От 25 до 100   | Задаёт область сканирования для изображений В-режима при запуске (с шагом 5 %).                                                                                                                                                                   |
| Scan Area (B-Color)    | От 25 до 100   | Задаёт область сканирования для изображений В-режима в режиме В (Color) (с шагом 5 %).                                                                                                                                                            |
| Scan Area (B-Color/*)  | От 25 до 100   | Задаёт область сканирования для изображений В-режима в режиме В(Color)/* (с шагом 5 %).                                                                                                                                                           |
| Scan Area (FAM)        | От 25 до 100   | Задаёт область сканирования для изображений В-режима в режиме В (FAM) (с шагом 5 %).                                                                                                                                                              |
|                        | Auto           | Задаёт область сканирования В-режима для изображений В-режима в режиме В (FAM) как соответствующую курсору FAM.                                                                                                                                   |
| Dual Display Format    | L/R            | Устанавливает горизонтальное расположение изображений в режиме 2B.                                                                                                                                                                                |
|                        | U/L            | Устанавливает вертикальное расположение изображений в режиме 2B.                                                                                                                                                                                  |

#### Предустановки

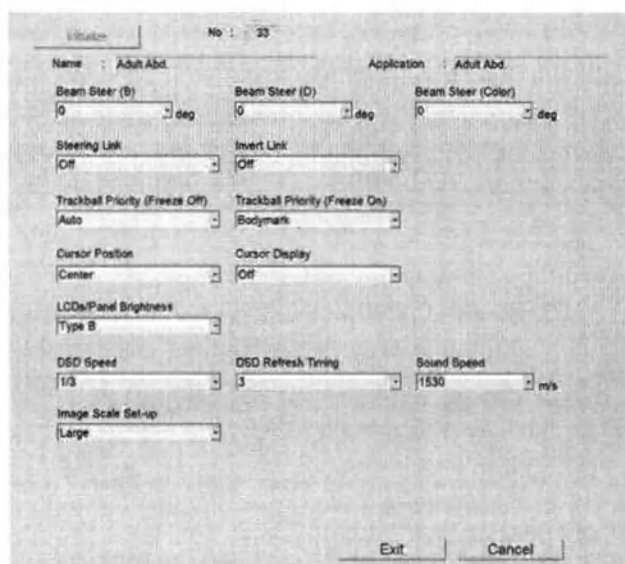
| Элемент              | Настройки    | Функции                                                                                                                                 |
|----------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Area Width (Color)   | От 15 до 100 | Задаёт ширину области потока в режиме В (Color) (с шагом 5 %).<br>(Предполагается, что в В-режиме значение равно 100%.)                 |
| Area Width (Color/*) | От 15 до 100 | Задаёт ширину области потока в режиме В (Color)/D (с шагом 5 %).<br>(Предполагается, что в В-режиме значение равно 100%.)               |
| Area Height (Color)  | От 25 до 100 | Задаёт высоту области потока в режиме В (Color) или В (Color)/D (с шагом 5 %).<br>(Предполагается, что в В-режиме значение равно 100%.) |

### 9.6.3 Display2

Задаёт настройки, относящиеся к отображаемому экрану.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Display2] из Tree View.  
Отображается следующий экран.



5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].

Предустановки

288 / MN1-6467RU ред.6



Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Display2

| Элемент                         | Настройки      | Функции                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Steer (B)                  | От -30 до 30   | Устанавливает отклонение для изображений В-режима с шагом 5°.                                                                                                                                                                                                                                                                                                                                                                                   |
| Beam Steer (D)                  | От -30 до 30   | Устанавливает отклонение для доплеровского курсора с шагом 5°.<br>ПРИМЕЧАНИЕ: Если и для FmT, и для WbT установлены значения "On", то WbT имеет приоритет.                                                                                                                                                                                                                                                                                      |
| Beam Steer (Color)              | От -30 до 30   | Устанавливает отклонение для области потока с шагом 5°.                                                                                                                                                                                                                                                                                                                                                                                         |
| Steering Link                   | Off<br>On      | Конфигурирует систему для выполнения инвертирования спектра при изменении полярности в связи с изменением угла отклонения пучка линейного датчика.                                                                                                                                                                                                                                                                                              |
| Invert Link                     | Off<br>On      | Настраивает систему таким образом, чтобы состояние Color Polarity следовало инвертированию спектра.                                                                                                                                                                                                                                                                                                                                             |
| Trackball Priority (Freeze Off) | Auto           | Настраивает систему для восстановления функции трекбола после отмены стоп-кадра до состояния, имевшегося при остановке изображения.                                                                                                                                                                                                                                                                                                             |
|                                 | Unchanged      | Задаёт функцию трекбола для продолжения, если функция трекбола установлена на "Body Mark", "Comment" или "Measurement", при отмене остановки изображения. В остальных случаях функция трекбола работает в режиме, схожем с автоматическим. Тем не менее, если [Caliper Auto Off] в предустановке измерения задан как [ON], эта функция будет приоритизирована. Подробные сведения о [Caliper Auto Off] см. в отдельном руководстве «Измерения». |
| Trackball Priority (Freeze On)  | Search         | Устанавливает функцию трекбола в состоянии стоп-кадра как "Playback".                                                                                                                                                                                                                                                                                                                                                                           |
|                                 | Bodymark       | Устанавливает функцию трекбола в состоянии стоп-кадра как "Body Mark".                                                                                                                                                                                                                                                                                                                                                                          |
|                                 | Comment        | Устанавливает функцию трекбола в состоянии стоп-кадра как "Comment".                                                                                                                                                                                                                                                                                                                                                                            |
|                                 | Measurement    | Устанавливает функцию трекбола в состоянии стоп-кадра как "Measurement".                                                                                                                                                                                                                                                                                                                                                                        |
|                                 | Measure+Search | Устанавливает функцию трекбола в состоянии стоп-кадра как "Playback (Search)". Пока функция трекбола установлена на "Playback", в меню функций будет отображаться меню измерений.                                                                                                                                                                                                                                                               |
|                                 | Unchanged      | Настраивает систему для сохранения прежней функции трекбола при включении стоп-кадра.                                                                                                                                                                                                                                                                                                                                                           |



| Элемент               | Настройки                        | Функции                                                                                                                                                                   |
|-----------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cursor Position       | Left<br>Center<br>Right          | Устанавливает положение курсора.                                                                                                                                          |
| Cursor Display        | Off                              | Устанавливает отображение курсора при перезапуске предустановки.                                                                                                          |
|                       | On                               | Устанавливает скрытие курсора при перезапуске предустановки.                                                                                                              |
| LCDs/Panel Brightness | Type A<br>Type B<br>Type C       | Установите яркость экрана за счет выбора одной из комбинаций Type A, Type B или Type C в предустановке настроек яркости панели и ЖК-монитора ([Common Preset > Common3]). |
| DSD Speed             | 1/1<br>1/2<br>1/3<br>1/4<br>1/10 | Устанавливает скорость воспроизведения для стороны замедленного изображения в режиме DSD.                                                                                 |
| DSD Refresh Timing    | От 1 до 10                       | Устанавливает объем памяти, отводимый для замедленного изображения в режиме DSD.                                                                                          |
| Image Scale Set-up    | Large<br>Medium<br>Small         | Устанавливает масштаб изображения (крупный, средний или малый).                                                                                                           |
| Sound Speed           | От 1400 до 1650                  | Устанавливает значение скорости звука (с шагом 10 m/s).                                                                                                                   |

## 9.6.4 DISP-B, M

Настраивает В-режим и М-режим.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [DISP-B, M] из Tree View.  
Отображается следующий экран.

Initialize No. : 33

Name : Adult Abd. Application : Adult Abd.

Invert L/R: Off Image Rotation: 0 deg Cine Memory Division: 2

Vertical Shift: 0.0 cm

Color Map (B.M): Gray Zoom Method: Box B Shift: On

Sweep Speed (M): 66.7 mm/s Echo Erase: Off

Zoom ROI re-display by Trackball: Off

Biplane

Invert L/R (L): On Invert L/R (T): Off Initial Plane: Previous Exam

Image Rotation (L): 180 deg Image Rotation (T): 180 deg

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки DISP-B, M

| Элемент              | Настройки             | Функции                                                                                                                                                                             |
|----------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invert L/R           | Off<br>On             | Устанавливает направление сканирования при запуске.                                                                                                                                 |
| Image Rotation       | 0<br>90<br>180<br>270 | Устанавливает угол поворота изображения.<br>Изображение отображается повернутым на установленный угол.<br>Если угол равняется 0 degrees., то изображение отображается без поворота. |
| Cine Memory Division | OFF<br>2<br>4         | Устанавливает величину кинопамяти при запуске предустановки.                                                                                                                        |
| Vertical Shift       | От -10.0 до 20.0      | Устанавливает смещение по глубине для изображений В-режима с шагом по 0,1 см.                                                                                                       |

| Элемент         | Настройки                                               | Функции                                                                                                               |
|-----------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Color Map (B,M) | Gray                                                    | Устанавливает отображение без добавления цветовой компоненты к изображениям.                                          |
|                 | A                                                       | Устанавливает отображение изображений с добавлением цвета от синего до оранжевого.                                    |
|                 | B                                                       | Устанавливает отображение изображений с добавлением синего цвета.                                                     |
|                 | C                                                       | Устанавливает отображение изображений с добавлением синего цвета, более светлого чем в B.                             |
|                 | D                                                       | Устанавливает отображение изображений с добавлением оранжевого цвета.                                                 |
|                 | E                                                       | Устанавливает отображение изображений с выражением яркостных характеристик коричневым цветом.                         |
|                 | F                                                       | Устанавливает отображение изображений с выражением яркостных характеристик коричневым цветом, более светлым, чем в E. |
|                 | G                                                       | Устанавливает отображение изображений с выражением яркостных характеристик синим и желтым цветом.                     |
| Zoom Method     | Center                                                  | Устанавливает настройку, при которой масштабирование изображений будет производиться от центра изображения.           |
|                 | Box                                                     | Устанавливает настройку, при которой система будет отображать окно zoom для масштабирования изображений.              |
| B Shift         | Off                                                     | Устанавливает настройку, при которой изображение В-режима не следует движению курсора в режиме B/D.                   |
|                 | On                                                      | Устанавливает настройку, при которой изображение В-режима следует движению курсора в режиме B/D.                      |
| Sweep Speed (M) | 25.0<br>33.3<br>50.0<br>66.7<br>100.0<br>150.0<br>200.0 | Устанавливает скорость прокрутки в М-режиме.                                                                          |
| Echo Erase      | Off                                                     | Устанавливает настройку, при которой система не использует функцию Echo Erase при запуске.                            |
|                 | От 1 до 19                                              | Устанавливает область применения erase, если для параметра Echo Erase установлено значение On.                        |



| Элемент                          | Настройки | Функции                                                                                                                                                                   |
|----------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zoom ROI re-display by Trackball | Off       | Устанавливает настройку, при которой во время масштабирования система позволит перемещать трекболом Zoom Box в состоянии применения масштабирования.                      |
|                                  | On        | Устанавливает настройку, при которой во время масштабирования система будет возвращать трекбол в состояние, имеющееся до масштабирования, и позволит перемещать Zoom Box. |

### Настройки биплановой визуализации

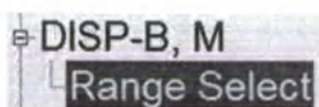
| Элемент            | Настройки     | Функции                                                                                                                                                                                                                                                  |
|--------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Invert L/R (L)     | Off           | Настройка Л/П инвертирования продольной плоскости изображения в В-режиме при выполнении обследования с помощью бипланового датчика.                                                                                                                      |
|                    | On            |                                                                                                                                                                                                                                                          |
| Invert L/R (T)     | Off           | Настройка Л/П инвертирования поперечной плоскости изображения в В-режиме при выполнении обследования с помощью бипланового датчика.                                                                                                                      |
|                    | On            |                                                                                                                                                                                                                                                          |
| Initial Plane      | T             | Настройка отображаемых изображений сечения при выполнении обследования с помощью бипланового датчика.<br>Если установлено значение «Previous exam», то будут выведены изображения таких сечений, которые были выведены в конце предыдущего исследования. |
|                    | L             |                                                                                                                                                                                                                                                          |
|                    | Previous exam |                                                                                                                                                                                                                                                          |
| Image Rotation (L) | 0             | Настройка поворота продольной плоскости изображения в В-режиме при выполнении обследования с помощью бипланового датчика.                                                                                                                                |
|                    | 90            |                                                                                                                                                                                                                                                          |
|                    | 180           |                                                                                                                                                                                                                                                          |
|                    | 270           |                                                                                                                                                                                                                                                          |
| Image Rotation (T) | 0             | Настройка поворота поперечной плоскости изображения в В-режиме при выполнении обследования с помощью бипланового датчика.                                                                                                                                |
|                    | 90            |                                                                                                                                                                                                                                                          |
|                    | 180           |                                                                                                                                                                                                                                                          |
|                    | 270           |                                                                                                                                                                                                                                                          |

### (1) Настройки Range Select

Устанавливает настройки, относящиеся к глубине отображения, при запуске предустановок.

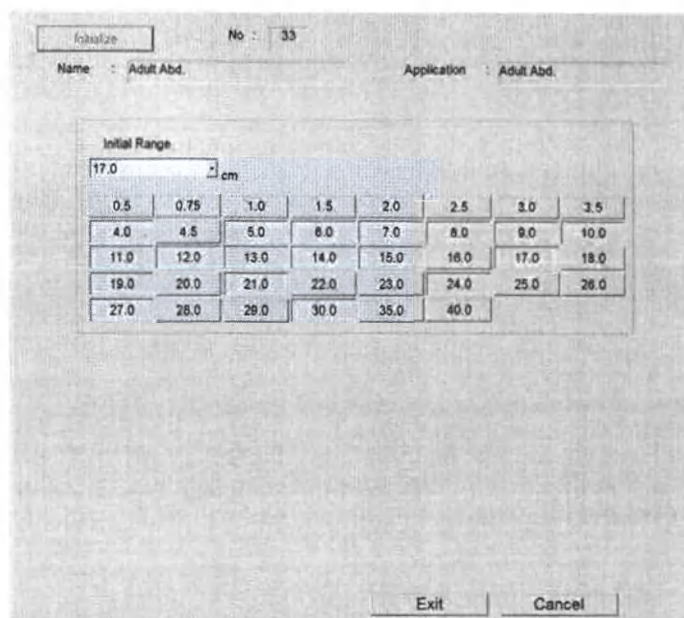
#### Процедура

1. Выберите знак [+], отображаемый перед параметром [DISP-B, M] в tree view.  
Будет отображен Range Select.



2. Выберите [Range Select].  
Отображается следующий экран.





3. Устанавливает глубину отображения при запуске предустановки и шаги выбора глубины отображения.
4. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
 Выберите [Initialize].
5. Выберите [Exit].  
 Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
 Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### 9.6.5 DISP-D, Color

Задаёт настройки режима D & Color.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
 Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
 Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [DISP-D, Color] из Tree View.  
 Отображается следующий экран.

Initialize No : 33

Name : Adult Abd. Application : Adult Abd.

Triplex Mode B-Real Simul Mode On Triplex Mode Type MSE

Triplex VEL Range B Fix Triplex Frame Rate Medium

Spectrum Format Size Normal Image Polarity Pool Sweep Speed (D) 66.7 mm/s

PW Sound On Off Color ROI Lock on Sample Volume On Accumulation Time 3 sec

Exit Cancel

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
 Выберите [Initialize].
6. Выберите [Exit].  
 Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
 Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки DISP-D, Color

| Элемент           | Настройки | Функции                                                                                                           |
|-------------------|-----------|-------------------------------------------------------------------------------------------------------------------|
| Triplex Mode      | Triplex   | Устанавливает отображения B-Real и D-Real при переключении к режиму B/D.                                          |
|                   | B-Real    | Устанавливает отображения B-Real и D-Blank при переключении к режиму B/D.                                         |
|                   | D-Real    | Устанавливает отображения B-Freeze и D-Real при переключении к режиму B/D, пока курсор D отображается в B-режиме. |
| Simul Mode        | Off<br>On | Если в [Triplex Mode] задан режим "B-Real" или "D-Real" и выбран параметр [PW], включает или отключает Triplex.   |
| Triplex Mode Type | MSE       | В режиме Triplex это значение включает интерполяцию формы доплеровского сигнала.                                  |
|                   | Refresh   | В режиме Triplex это значение отключает интерполяцию доплеровской кривой.                                         |

| Элемент                         | Настройки                                               | Функции                                                                                                                                                                                                                 |
|---------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Triplex VEL Range               | Low                                                     | В одновременном режиме В (Color) / D это значение устанавливает равенство диапазонов скоростей в режиме D и в режиме В (Color).<br>Диапазоны скоростей увеличиваются в соотношении 1:1.                                 |
|                                 | High                                                    | В одновременном режиме В (Color) / D это значение устанавливает двукратное превышение диапазона скорости в режиме D над диапазоном скорости в режиме В (Color).<br>Диапазоны скоростей увеличиваются в соотношении 1:2. |
|                                 | B Fix                                                   | В одновременном режиме В (Color) / D это значение устанавливает постоянство диапазона скорости В (Flow); диапазон скорости будет увеличиваться только в режиме D.                                                       |
| Triplex Frame Rate              | Low<br>Medium<br>High                                   | В одновременном режиме В (Color) / D это значение устанавливает частоту кадров для изображения В-режима.                                                                                                                |
| Spectrum Format Size            | Normal<br>Wide                                          | Устанавливает ширину продольного спектра в режимах В/D и D.                                                                                                                                                             |
| Image Polarity                  | Posi<br>Nega                                            | Устанавливает полярность изображения D-режима.                                                                                                                                                                          |
| Sweep Speed (D)                 | 25.0<br>33.3<br>50.0<br>66.7<br>100.0<br>150.0<br>200.0 | Устанавливает скорость прокрутки в D-режиме.                                                                                                                                                                            |
| PW Sound On                     | Off<br>On                                               | Устанавливает звук PW для состояния, когда курсор D отображается на изображении В-режима.                                                                                                                               |
| Color ROI Lock on Sample Volume | Off<br>On                                               | Если контрольный объем перемещен, эта настройка включает перемещение области потока вслед за ним.                                                                                                                       |
| Accumulation Time               | 1<br>2<br>3                                             | Устанавливает время удерживания пикселей (в секундах) во время захвата данных.                                                                                                                                          |
|                                 | Continuous                                              | Устанавливает удерживание до состояния стоп-кадра.                                                                                                                                                                      |

## 9.6.6 ID, Comment

Задаёт настройки для ввода комментариев и информации пациента.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.



3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [ID, Comment] из Tree View.  
Будет отображен ID, Comment.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки ID, Comment

| Элемент       | Настройки                                                                   | Функции                                                                      |
|---------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------|
| ID Input Type | ID Name<br>ID Obstetrics<br>ID Gynecology<br>ID BSA<br>ID Urology<br>ID BMI | Устанавливает дополнительные элементы для ввода ID, значимые для приложения. |
| Sex           | Male<br>Female<br>Other<br>(не заполнено)                                   | Устанавливает пол по умолчанию.                                              |
| BSA Equation  | Du Bois<br>Boyd<br>Shintani                                                 | Устанавливает формулу для вычисления индекса BSA.                            |



| Элемент                      | Настройки                      | Функции                                                                                     |
|------------------------------|--------------------------------|---------------------------------------------------------------------------------------------|
| GA/EDC Calculation           | LMP<br>BBT<br>EGA<br>EDC<br>GA | Устанавливает метод вычисления недели беременности и предполагаемой даты родов.             |
| Menstrual Date               | LMP<br>BBT                     | Задаёт способ ввода даты менструации.                                                       |
| Comment Auto Delete          | Erase                          | Устанавливает настройку, стирающую комментарии при отмене стоп-кадра.                       |
|                              | Remain                         | Устанавливает настройку, сохраняющую отображение комментариев даже при отмене стоп-кадра.   |
| Character Size               | Normal                         | Устанавливает использование для комментариев шрифта стандартного размера.                   |
|                              | Large                          | Устанавливает использование для комментариев шрифта в два раза больше стандартного размера. |
| Comment Position (X)         | От 1 до 79                     | Устанавливает координату по X начального положения для ввода комментариев.                  |
| Comment Position (Y)         | От 1 до 36                     | Устанавливает координату по Y начального положения для ввода комментариев.                  |
| Annotation Dictionary        | От 1 до 6                      | Устанавливает словарь для использования с функцией Annotation.                              |
| Annotation Dictionary Select | Full Spelling                  | Устанавливает вариант Annotation для полного написания слов.                                |
|                              | Abbreviation                   | Устанавливает вариант Annotation для использования сокращений.                              |

## 9.6.7 Graphics

Задаёт настройки, относящиеся к отображаемым на экране графическим элементам.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Graphics] из Tree View.  
Отображается следующий экран.

Initializa No : 31

Name : Breast Application : Breast

|                                    |                                   |                                   |
|------------------------------------|-----------------------------------|-----------------------------------|
| Graphic Color<br>B                 | Parameter Display<br>On           | Info Display Position<br>Lower    |
| T1 Display (IEC 62359 ed 2)<br>T1S | Puncture Guide Line<br>Off        | Puncture Angle Select<br>1        |
| M1, T1 Display when Frozen<br>Off  | Rotary Plane Mark Display<br>On   | Rotary Plane Angle Display<br>Off |
| Grid Type<br>A                     | Biplane Label<br>Off              | Biplane Line<br>Off               |
| PF Info Display<br>Velocity        | Font Size (Meas. Results)<br>x1.2 |                                   |
| Omni Plane Angle Setting<br>0 deg  | Omni Plane Mark Display<br>On     | Omni Plane Angle Display<br>On    |

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Graphics

| Элемент               | Настройки | Функции                                                                                          |
|-----------------------|-----------|--------------------------------------------------------------------------------------------------|
| Graphic Color         | A         | Устанавливает цвет текста и графических элементов на экране.                                     |
|                       | B         |                                                                                                  |
|                       | C         |                                                                                                  |
|                       | D         |                                                                                                  |
|                       | E         |                                                                                                  |
|                       | User      |                                                                                                  |
| Parameter Display     | Off       | Устанавливает автоматическое отображение области отображения изображения.                        |
|                       | On        |                                                                                                  |
| Info Display Position | Lower     | Устанавливает автоматическое отображение области отображения изображения в нижней части экрана.  |
|                       | Upper     | Устанавливает автоматическое отображение области отображения изображения в верхней части экрана. |

| Элемент                    | Настройки        | Функции                                                                                                                                                                        |
|----------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TI Display<br>(***)        | TIS              | Устанавливает отображение индекса акустической мощности как теплового индекса для мягкой ткани.<br>ПРИМЕЧАНИЕ: Этот вариант соответствует стандарту, представленному в «***».  |
|                            | TIB              | Устанавливает отображение индекса акустической мощности как теплового индекса для кости.<br>ПРИМЕЧАНИЕ: Этот вариант соответствует стандарту, представленному в «***».         |
|                            | TIC              | Устанавливает отображение индекса акустической мощности как теплового индекса для костей черепа.<br>ПРИМЕЧАНИЕ: Этот вариант соответствует стандарту, представленному в «***». |
| Puncture Guide Line        | Off<br>On        | Устанавливает отображение направляющей линии пункции при запуске.                                                                                                              |
| Puncture Angle Select      | От 1 до 9        | Устанавливает угол падения для определения металлической пункционной иглы.                                                                                                     |
| MI, TI Display when Frozen | Off              | Устанавливает скрытие MI/TI в режиме остановки изображения.                                                                                                                    |
|                            | On               | Устанавливает отображение MI/TI независимо от того, остановлено изображение или нет.                                                                                           |
| Rotary Plane Mark Display  | Off<br>On        | Устанавливает отображение метки плоскости поворота для плоскости поворота трансэзофагеального датчика.                                                                         |
| Rotary Plane Angle Display | Off              | Устанавливает скрытие угла при отображении метки плоскости поворота для плоскости поворота трансэзофагеального датчика.                                                        |
|                            | On               | Устанавливает отображение угла при отображении метки плоскости поворота для плоскости поворота трансэзофагеального датчика.                                                    |
| Grid Type                  | A<br>B<br>C<br>D | Устанавливает отображение сетки.                                                                                                                                               |
| Biplane Label              | Off<br>On        | Устанавливает отображение метки двухпроекционного режима трансректального бипланового датчика.                                                                                 |
| Biplane Line               | Off<br>On        | Устанавливает отображение линии двухпроекционного режима трансректального бипланового датчика.                                                                                 |
| PF Info Display            | Off              | Для режимов Power Doppler, eFlow и TDI Directional Power Doppler значения PRF и предельных скоростей потока скрываются.                                                        |
|                            | PRF              | Для режимов Power Doppler, eFlow и TDI Directional Power Doppler отображается значение PRF.                                                                                    |
|                            | Velocity         | Если параметр Directional включен для Power Doppler, eFlow и TDI Power Doppler, эта функция указывает настройки отображения эффекта наложения скорости потока.                 |

#### Предустановки

300 / MN1-6467RU ред.6



| Элемент                   | Настройки    | Функции                                                                                                |
|---------------------------|--------------|--------------------------------------------------------------------------------------------------------|
| Font Size (Meas. Results) | ×1           | Устанавливает использование стандартного размера шрифта для результатов измерений.                     |
|                           | ×1.2         | Устанавливает использование увеличенного примерно в 1.2 раза размера шрифта для результатов измерений. |
|                           | ×1.4         | Устанавливает использование увеличенного примерно в 1.4 раза размера шрифта для результатов измерений. |
| Omni Plane Angle Setting  | От -45 до 45 | Задаёт угол OMNI Plane (с шагом 5).                                                                    |
| Omni Plane Mark Display   | Off          | Задаёт отображение метки OMNI Plane.                                                                   |
|                           | On           |                                                                                                        |
| Omni Plane Angle Display  | On           | Задаёт угол отображение метки OMNI Plane.                                                              |
|                           | Off          |                                                                                                        |

## 9.6.8 Store, Cine

Задаёт настройки для сохранения изображений.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Store, Cine] из Tree View.  
Отображается следующий экран.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].



6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки Store, Cine

| Элемент             | Опции                        | Описание                                                                                                                                                                                                                                                                         |
|---------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acquisition Mode    | Pre Time                     | Устанавливает диапазон захвата видеофрагмента как период, заканчивающийся моментом нажатия [User 3 (Store)] и начинающийся за установленное время (от 1 до 16 секунд) до этого.                                                                                                  |
|                     | Pre ECG                      | Устанавливает диапазон захвата видеофрагмента как период между R-зубцом, захваченным непосредственно перед нажатием [User 3 (Store)], и R-зубцом, захваченным непосредственно перед истечением установленного количества сердечных сокращений (от 1 до 10 сердечных сокращений). |
|                     | Post Time                    | Устанавливает диапазон захвата видеофрагмента как период, начинающийся моментом нажатия [User 3 (Store)] и заканчивающийся за установленное время (от 1 до 16 секунд) после этого.                                                                                               |
|                     | Post ECG                     | Устанавливает диапазон захвата видеофрагмента как период между R-зубцом, захваченным непосредственно после нажатия [User 3 (Store)], и R-зубцом, захваченным непосредственно перед истечением установленного количества сердечных сокращений (от 1 до 10 сердечных сокращений).  |
|                     | Manual                       | Устанавливает диапазон захвата видео как период, начинающийся моментом нажатия [User 3 (Store)] и заканчивающийся моментом повторного нажатия [User 3 (Store)].                                                                                                                  |
| ECG Cycle           | От 1 до 10                   | Устанавливает продолжительность захвата видеофрагмента в количествах сердечных сокращений (cycles).                                                                                                                                                                              |
| Time Cycle          | От 1 до 16                   | Устанавливает продолжительность захвата видеофрагмента в seconds.                                                                                                                                                                                                                |
| Data Format         | Line<br>Video Clip           | Устанавливает формат сохранения изображений циклического воспроизведения.                                                                                                                                                                                                        |
| Format Type (Still) | DICOM<br>JPEG<br>BMP<br>TIFF | Устанавливает формат хранения снимков.                                                                                                                                                                                                                                           |

| Элемент                  | Опции                            | Описание                                                                                                                                                                                                                                                                                           |
|--------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Store Media              | HDD<br>USB<br>CD-R Buffer<br>DVD | Устанавливает место назначения хранения при выборе [User 3 (Store)].                                                                                                                                                                                                                               |
|                          | NET (DICOM)                      | Устанавливает место назначения хранения на сетевом сервере и отправляет 1 изображение в формате DICOM при выборе [User 3 (Store)].                                                                                                                                                                 |
| Auto Loop (Tile)         | Off<br>On                        | Устанавливает автоматическое воспроизведение кинопетли после сохранения видеоклипа в формате Line.                                                                                                                                                                                                 |
| Loop Mode                | Short                            | Устанавливает синхронизацию циклического воспроизведения нескольких изображений по изображению с наименьшей продолжительностью кинопетли.                                                                                                                                                          |
|                          | Long                             | Устанавливает синхронизацию циклического воспроизведения нескольких изображений по изображению с наибольшей продолжительностью кинопетли.                                                                                                                                                          |
|                          | Align                            | Устанавливает синхронизацию циклического воспроизведения нескольких изображений по изображению с наибольшей продолжительностью кинопетли. Скорости воспроизведения изображений с меньшими по продолжительности петлями корректируются по изображению с наибольшей по продолжительности кинопетлей. |
|                          | Free Run                         | Выключает синхронизацию циклического воспроизведения нескольких изображений.                                                                                                                                                                                                                       |
| Message Display (Review) | Off                              | Устанавливает скрытие диалогового окна с предупреждением при преобразовании Line Format в Image.                                                                                                                                                                                                   |
|                          | 16                               | При наличии видеофайла продолжительностью 16 или более секунд, при преобразовании Line Format в Image отображается диалоговое окно с предупреждением.                                                                                                                                              |
| Video Clip Auto Stop     | Off                              | После сохранения в формате Video Clip продолжается отображение в реальном времени.                                                                                                                                                                                                                 |
|                          | On                               | После сохранения в формате Video Clip изображение останавливается.                                                                                                                                                                                                                                 |

## 9.6.9 Body Mark

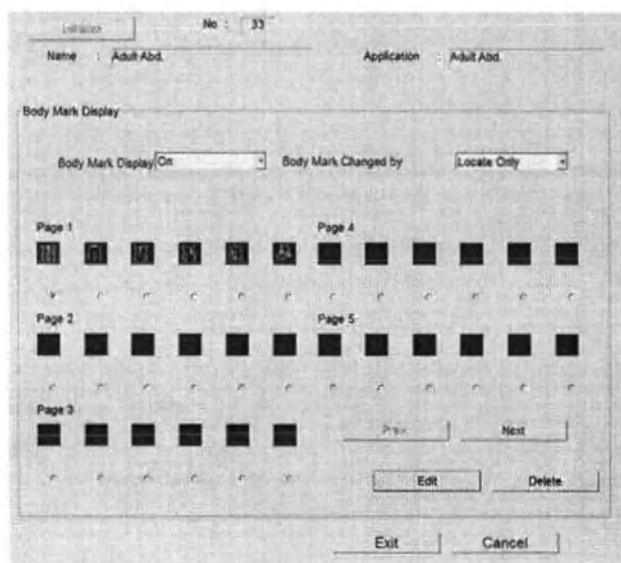
Задаёт настройки для отображения на экране меток области исследования и меню меток области исследования.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].

Отображается список выбора предустановок настроек.

3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Body Mark] из Tree View.  
Отобразится экран Body Mark .



5. Измените настройки элемента.

#### Настройка отображения меток тела на изображениях

| Элемент              | Опции                    | Описание                                                                                                           |
|----------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------|
| Body Mark Display    | Off<br>On                | Устанавливает отображение меток области исследования при запуске системы или при изменении приложения.             |
| Body Mark Changed by | Locate Only<br>Trackball | Устанавливает переключение метки области исследования, если метка датчика перемещается влево или вправо трекболом. |

#### Настройка метки тела по умолчанию

Установите отметку около метки области исследования, которая должна использоваться по умолчанию.

#### Переключение pages

Для отображения с Pages 6 по 10 выберите [Next].

Для возврата к отображению с Pages 1 по 5, выберите [Prev.]

#### Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.



## (1) Изменение метки области исследования, отображаемой в меню метки области исследования

### Процедура

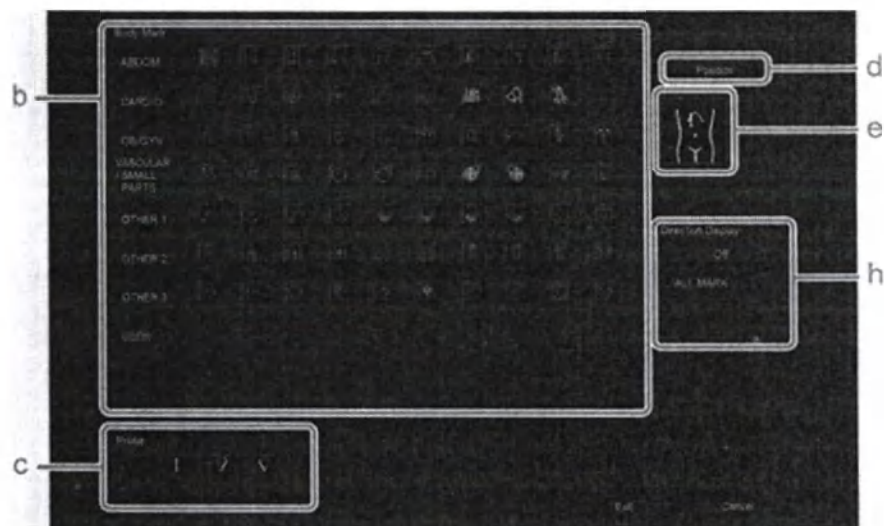
1. Используйте Body Mark в предустановках, чтобы выбрать метку тела, которую следует изменить.
2. Изменение меток области исследования.

Удаление меток области исследования (с оставлением незаполненного поля)

Выберите [Delete].

Замена меток тела

- a. Выберите [Edit].  
Отображается следующий экран.



- b. Выберите метку области исследования для установки.
- c. Выберите метку probe, которая будет отображаться в поле датчика.
- d. Выберите [Position].
- e. Воспользуйтесь трекболом для перемещения положения метки датчика.
- f. Используйте поворотный регулятор [Pointer], чтобы изменить ориентацию метки датчика.
- g. Нажмите клавишу [Enter].
- h. Установите указание левой и правой стороны с помощью Direction Display.  
Настройка отображения L/R для всех меток тела  
После установки флажка рядом с ALL MARK установите для параметра Direction Display значение "On"/"Off".  
L/R не отображаются с метками области тела, которые не требуют этого отображения.  
Если для Direction Display установлено значение "On", то L/R, означающее «левый и правый», отображается в метке области исследования. Если установлено значение When set to "Off", то L/R не отображается.
- i. Выберите [Exit].



## 9.6.10 Software Button

Устанавливает функции, присваиваемые дополнительным программным кнопкам.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Software Button] или [Software Button (3D)] из Tree View.  
Отображается следующий экран.

Initialize No. : 23

Name : Neck CVB Application : Neck CVB

Software Button Assign

|              |             |               |             |
|--------------|-------------|---------------|-------------|
| Quad         | FAM         | Power Doppler | eFlow       |
| TDI          | EXT         | Full M/Q      | Send        |
| Cursor/B.L.S | CH1(On/Off) | Home          | Measurement |

Select Items B/M Mode

|      |     |
|------|-----|
| Quad | FAM |
|------|-----|

Prev. Next

Exit Cancel

Экран Software Button Assign

Initialize No. : 31

Name : Breast Application : Breast

Software Button (3D) Assign

Page 1

|                     |                      |                   |                 |          |
|---------------------|----------------------|-------------------|-----------------|----------|
| Single              | Dual                 | Quad              | FAM             | Compound |
| Puncture Guide Line | Trapezoidal Scanning | Invert L/R        | Needle Emphasis | WbT      |
| FmT                 | Frequency (B/M)      | Dynamic Range (B) |                 |          |

Select Items B/M Mode

Prev. Next

Exit Cancel

Экран Software button(3D) Assign

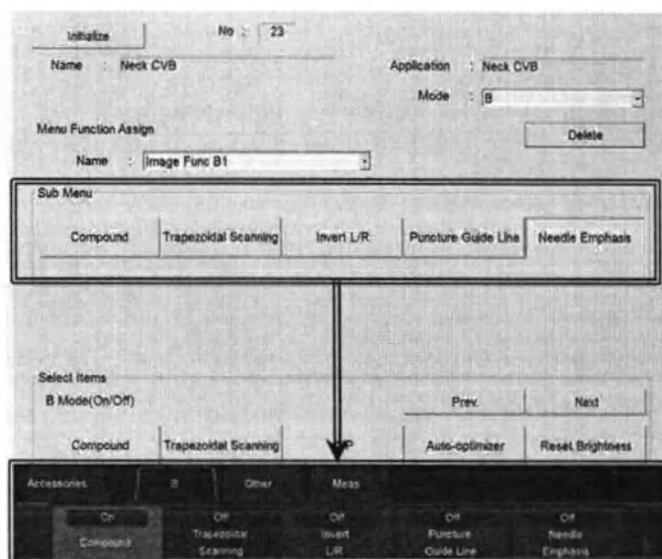
5. Выберите кнопки, которые нужно конфигурировать.  
Список доступных для присваивания функций отображается в разделе Select Items и снабжен средствами переключения Prev./Next.
6. Измените функции кнопки.  
Регистрация других функций  
Выберите название функции, которую нужно зарегистрировать.  
Если название необходимой функции отсутствует в списке Select Items, перелистывайте список, нажимая кнопку Prev./Next.  
Удаление зарегистрированных функций  
Выберите кнопку, которой присвоена функция, подлежащая удалению, и выберите Delete.  
Кнопка станет пустой.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
7. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## 9.6.11 Menu-Function

Задаёт настройки для сохранения изображений.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Menu-Function] из Tree View.  
Будет отображен Menu Function Assign.



5. Выберите режим, настройки которого требуется изменить, из раскрывающегося списка [Mode].
6. Выберите страницу, настройки которой требуется изменить, из раскрывающегося списка [Name].
7. Установите область меню.

#### Регистрация меню

Текущие настройки области меню отображаются в Sub Menu.

- a. Выберите меню, чьи настройки [Sub Menu] необходимо изменить.
- b. Выберите элементы меню, которые требуется зарегистрировать, с помощью [Select Items].

#### Удаление зарегистрированных меню

- a. Выберите меню, чьи [Sub Menu] необходимо удалить.
- b. Выберите [Delete].

#### Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

8. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## 9.6.12 Custom SW

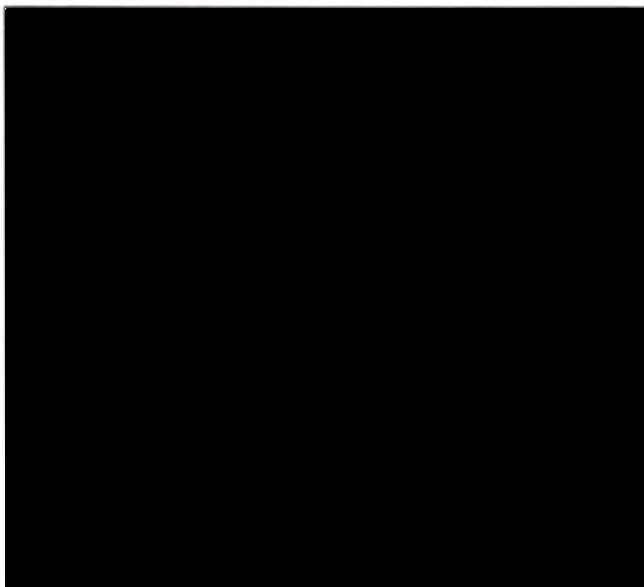
Устанавливает функции, присваиваемые дополнительным пользовательским переключателям.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.



2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Custom SW] из Tree View.  
Отображается следующий экран.



5. Выберите переключатель, который нужно конфигурировать.  
Будет отображен список функций, доступных для присвоения.
6. Измените функции переключателя.  
Регистрация других функций  
Выберите название функции, которую нужно зарегистрировать.  
Если название необходимой функции отсутствует в отображаемом списке, измените тип списка через раскрывающийся список.  
Удаление зарегистрированных функций  
Выберите название зарегистрированной функции из отображаемого списка.  
Выделение названия функции будет снято.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize of all Custom Switch].
7. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### 9.6.13 Custom-Foot SW

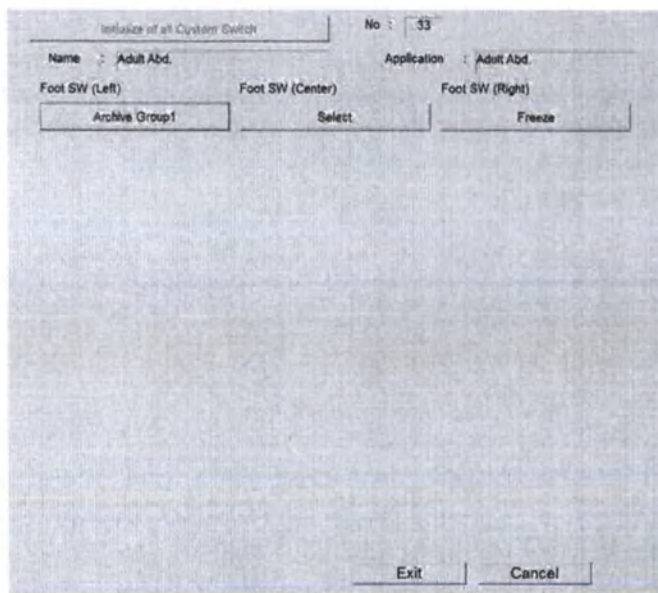
Устанавливает функции, присваиваемые дополнительному ножному переключателю.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.



2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Custom-Foot SW] из Tree View.  
Отображается следующий экран.



5. Выберите переключатель, который нужно конфигурировать.  
Будет отображен список функций, доступных для присвоения.
6. Измените функции переключателя.  
Регистрация других функций  
Выберите название функции, которую нужно зарегистрировать.  
Если название необходимой функции отсутствует в отображаемом списке, измените тип списка через раскрывающийся список.  
Удаление зарегистрированных функций  
Выберите название зарегистрированной функции из отображаемого списка.  
Выделение названия функции будет снято.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize of all Custom Switch].
7. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## 9.6.14 Physiology

Задаёт настройки отображения физиологических сигналов.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.

2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Physiology] из Tree View.  
Будет отображен Physiology.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки Physiology

| Элемент             | Опции           | Описание                                                                                                                                                                            |
|---------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ECG Display (B)     | Off<br>On       | Конфигурирует отображение ECG в B-режиме.                                                                                                                                           |
| ECG Display (Sweep) | Off<br>On       | Конфигурирует отображение ECG в режиме прокрутки.                                                                                                                                   |
| Invert ECG Display  | Off             | Указывает настройки для отображения кривой ECG с использованием полярности входного сигнала.                                                                                        |
|                     | On              | Устанавливает инвертирование отображения полярности сигнала кривой ECG.                                                                                                             |
| R-Delay Time        | От 0.00 до 2.55 | Если для параметра ECG SYNC установлено значение On, этот параметр устанавливает временную фазу для захвата изображения B-режима, отсчитываемую от R-зубца с шагом по 0.01 секунды. |

| Элемент              | Опции                                                   | Описание                                                                          |
|----------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|
| R-Wave Beep          | Off<br>On                                               | Устанавливает звуковой сигнал обнаружения R-зубца.                                |
| Sweep Speed(B)       | 25.0<br>33.3<br>50.0<br>66.7<br>100.0<br>150.0<br>200.0 | Устанавливает скорость прокрутки отображения физиологического сигнала в В-режиме. |
| ECG Sensitivity      | От 1 до 32                                              | Задаёт чувствительность кривой ECG.                                               |
| ECG Position (B)     | От 1 до 32                                              | Задаёт положение кривой ECG в В-режиме.                                           |
| ECG Position (Sweep) | От 1 до 32                                              | Задаёт положение кривой ECG в режиме прокрутки.                                   |

### 9.6.15 Image-B, M1

Вносит настройки для изображений В-режима и М-режима.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Image-B, M1] из Tree View.  
Отобразится экран Image-B, M1.

Initialize No.: 33

Name: Adult Abd. Application: Adult Abd.

|                            |                      |                      |
|----------------------------|----------------------|----------------------|
| Acoustic Power (B, BM, M)  | Acoustic Power (FmT) | Acoustic Power (WbT) |
| 70 %                       | 70 %                 | 70 %                 |
| Gain (B)                   | Gain (FmT)           | Gain (WbT)           |
| 65 dB                      | 0 dB                 | 0 dB                 |
| M Offset Gain              | TGC                  | LGC Type             |
| 0 dB                       | Variable             | Linear               |
| Tx Frequency (Fundamental) | Tx Frequency (FmT)   | Tx Frequency (WbT)   |
| Resolution                 | Resolution           | Resolution           |
| Line Density (Fundamental) | Line Density (WbT)   |                      |
| Medium                     | Medium               |                      |
| PRF Limit                  | Beam Processing      |                      |
| Off                        | Multi                |                      |
| Persistence Type           | Frame Smoothing      |                      |
| Manual                     | Off                  |                      |

Exit Cancel

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].



6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Image-B, M1

| Элемент                    | Опции                                         | Описание                                                                                                                       |
|----------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Power (B, B/M, M) | От 0 до 100                                   | Устанавливает уровень выходного сигнала в режимах B, B/M, M.                                                                   |
| Acoustic Power (FmT)       | От 0 до 100                                   | Устанавливает уровень выходного сигнала в режимах FmT.                                                                         |
| Acoustic Power (WbT)       | От 0 до 100                                   | Устанавливает уровень выходного сигнала в режимах WbT.                                                                         |
| Gain (B)                   | От 10 до 90                                   | Устанавливает значение усиления в B-режиме при запуске.                                                                        |
| Gain (FmT)                 | От -30 до 30                                  | Устанавливает значение усиления, если параметр FmT имеет значение On.<br>Устанавливает поправочное значение Gain(B).           |
| Gain (WbT)                 | От -30 до 30                                  | Устанавливает значение усиления, если параметр WbT имеет значение On.<br>Устанавливает поправочное значение Gain(B).           |
| M Offset Gain              | От -30 до 30                                  | Устанавливает значение усиления в M-режиме при запуске.<br>Устанавливает поправочное значение Gain(B).                         |
| TGC                        | Fixed                                         | Корректирует и конфигурирует глубину отображения, чтобы она всегда соответствовала установленному отношению.                   |
|                            | Variable                                      | Изменяет и конфигурирует регулируемый диапазон TGC, чтобы он оставался одинаковым для всего диапазона отображения изображения. |
| LGC Type                   | Linear<br>V1<br>V2<br>V3                      | Устанавливает тип lateral gain.                                                                                                |
| Tx Frequency (Fundamental) | Penetration<br>Standard<br>Resolution<br>High | Устанавливает частоту передачи при начале работы.                                                                              |
| Tx Frequency (FmT)         | Penetration<br>Standard<br>Resolution<br>High | Устанавливает частоту передачи в состоянии FmT On.                                                                             |
| Tx Frequency (WbT)         | Penetration<br>Standard<br>Resolution<br>High | Устанавливает частоту передачи в состоянии WbT On.                                                                             |



| Элемент                       | Опции     | Описание                                                                                                   |
|-------------------------------|-----------|------------------------------------------------------------------------------------------------------------|
| Line Density<br>(Fundamental) | Low       | Устанавливает плотность линий сканирования на Low.                                                         |
|                               | Medium    | Устанавливает плотность линий сканирования на Med.                                                         |
|                               | High      | Устанавливает плотность линий сканирования на High.                                                        |
| Line Density<br>(WbT)         | Low       | Устанавливает плотность линий сканирования на Low.                                                         |
|                               | Medium    | Устанавливает плотность линий сканирования на Med.                                                         |
|                               | High      | Устанавливает плотность линий сканирования на High.                                                        |
| PRF Limit                     | Off<br>On | Устанавливает предел частоты кадров.                                                                       |
| Beam Processing               | Multi     | Устанавливает возможность сканирования с одновременным получением нескольких пучков в В-режиме.            |
|                               | Single    | Устанавливает настройку сканирования изображений при стандартном количестве линий сканирования в В-режиме. |
| Persistence Type              | Auto      | Устанавливает настройку корреляции кадров в соответствии с частотой кадров для изображения В-режима.       |
|                               | Manual    | Устанавливает настройку корреляции кадра со значением, указанным пользователем.                            |
| Frame Smoothing               | Off<br>On | Устанавливает сглаживание кадра.                                                                           |

## 9.6.16 Image-B, M2

Задаёт настройки для изображений режимов В, М.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Image-B, M2] из Tree View.  
Будет отображен Image-B, M2.

Initialize      № : 33

Name : Adult Abd.      Application : Adult Abd.

FTC (Fundamental)      FTC (WbT)      FTC (M)

Off      Off      Off

Compound      Angle (Compound)

Off      5      deg

Line Density (Compound)      AIP      Brightness Level

Medium      Off      60

Trapezoidal Scanning      Line Density (Trapezoid)      Trapezoidal Scanning Angle

Off      Medium      15      deg

Needle Emphasis      Angle Set (NE)

Off      30      deg

NE Correlation      NE Sharpness      NE Link

Low      High      Off

SIP      SIP Effect

On      B

Exit      Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

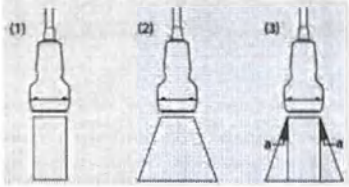
6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Image-B, M2

| Элемент                    | Опции                 | Описание                                                                                                                                                         |
|----------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FTC<br>(Fundamental)       | Off<br>On             | Устанавливает выполнение обработки изображения, направленной на усиление и выделение краев на изображениях В-режима при запуске.                                 |
| FTC (WbT)                  | Off<br>On             | Устанавливает выполнение обработки изображения, направленной на усиление и выделение краев на изображениях, когда параметр WbT имеет значение On.                |
| FTC (M)                    | Off<br>On             | Устанавливает выполнение обработки изображения, направленной на усиление и выделение краев на изображениях М-режима при запуске.                                 |
| Compound                   | Off<br>On             | Устанавливает процесс объединения пучков ультразвука, поступающих с нескольких разных углов для уменьшения артефактов.                                           |
| Angle<br>(Compound)        | От 5 до 30            | При использовании функции Compound этот параметр устанавливает угол (с шагом по 5 градусов) для передачи пучков ультразвука.                                     |
| Line Density<br>(Compound) | Low<br>Medium<br>High | Устанавливает плотность линий сканирования при использовании функции Compound.<br>Количество линий сканирования увеличивается в порядке "Low", "Medium", "High". |

| Элемент                    | Опции                 | Описание                                                                                                                                                                                                     |
|----------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AIP                        | Off<br>On             | Указывает настройки обработки изображения, например, настройки для выделения границ сред с различными характеристиками и уменьшения зернистости в однородных областях для сглаживания изображения.           |
| Brightness Level           | Auto                  | Автоматически устанавливает целевую среднюю яркость в функции Auto-optimizer.                                                                                                                                |
|                            | От 40 до 80           | Устанавливает целевую среднюю яркость в функции Auto-optimizer.                                                                                                                                              |
| Trapezoidal Scanning       | Off                   | Устанавливает ширину датчика как ширину поля зрения линейного датчика. См. (1) на следующем рисунке (рисунке Trapezoidal Scanning Angle).                                                                    |
|                            | On                    | Устанавливает трапециевидное отображение изображений от линейного датчика. См. (2) на следующем рисунке (рисунке Trapezoidal Scanning Angle).                                                                |
| Line Density (Trapezoid)   | Low<br>Medium<br>High | Устанавливает плотность линий сканирования при использовании Trapezoidal Scan. Количество линий сканирования увеличивается в порядке "Low", "Medium" "High".                                                 |
| Trapezoidal Scanning Angle | От 5 до 30            | Устанавливает угол (α) при использовании линейного датчика, как показано на рисунке ниже (3), с шагом по 5 градусов.<br> |
| Needle Emphasis            | Off                   | Выключает режим Needle Emphasis.                                                                                                                                                                             |
|                            | On                    | Запускает режим Needle Emphasis.                                                                                                                                                                             |
| Angle Sel (NE)             | От -40 до +40         | Устанавливает угол Graphic Line с шагом по 5°.                                                                                                                                                               |
| NE Correlation             | Low<br>Medium<br>High | Настраивает остаточное изображение пункционной иглы. Для минимизации отображения остаточного изображения установите значение "Low".                                                                          |
| NE Sharpness               | Low<br>Medium<br>High | Настраивает толщину отображения пункционной иглы.                                                                                                                                                            |
| NE Link                    | Off<br>On             | Устанавливает наличие связи между Puncture Guide Line и Needle Emphasis.                                                                                                                                     |
| SIP                        | Off<br>On             | Устанавливает настройку, которая делает изображения более сглаженными за счет объединения обработки, направленной на выделение границ между тканями, и обработки, уменьшающей помехи.                        |



| Элемент    | Опции       | Описание                                     |
|------------|-------------|----------------------------------------------|
| SIP Effect | A<br>B<br>C | Устанавливает уровень обработки изображений. |

## (1) Настройки IP Select, AIP Level

### Процедура

1. Выберите знак [+], отображаемый перед параметром Image-B, M2 в Tree view. Отображается следующая древовидная структура.

```

+ Image-B, M2
  IP Select (B)
  IP Select (FmT)
  IP Select (WbT)
  IP Select (Compound)
  IP Select (Compound, FmT/WbT)
  AIP Level (B)
  AIP Level (FmT)
  AIP Level (WbT)
  IP Select (M)

```

2. Выберите значимые элементы и измените их настройки.
  - Настройки для [IP Select (B)], [IP Select (FmT)], [IP Select (WbT)], [IP Select (Compound)] и [IP Select (Compound, FmT/WbT)]
  - Настройки для [AIP Level (B)], [AIP Level (FmT)] и [AIP Level (WbT)]
  - Настройки [IP Select (M)]

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

3. Выберите [Exit].  
 Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
 Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.



## Настройки IP Select (B), IP Select (FmT), IP Select (WbT), IP Select (Compound), IP Select (Compound, FmT/WbT)

Initials

No. : 33

Name : Adult Abd. Application : Adult Abd.

|   | Persistence | Dynamic Range | AGC | Relief | Smoothing | Graymap |
|---|-------------|---------------|-----|--------|-----------|---------|
| 1 | 6           | 66            | Off | Off    | 4         | C       |
| 2 | 6           | 63            | Off | Off    | 4         | C       |
| 3 | 6           | 60            | Off | Off    | 4         | C       |
| 4 | 6           | 57            | Off | Off    | 4         | C       |
| 5 | 6           | 57            | 1   | Off    | 4         | C       |
| 6 | 5           | 54            | 1   | Off    | 4         | C       |
| 7 | 5           | 54            | 1   | Low    | 4         | C       |
| 8 | 5           | 51            | 1   | Low    | 4         | C       |

Exit Cancel

| Элемент       | Опции                      | Описание                                                                                                                         |
|---------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| No.           | От 1 до 8                  | Устанавливает No. по умолчанию.                                                                                                  |
| Persistence   | Off                        | Переводит функцию корреляции между соседними кадрами в состояние Off.                                                            |
|               | От 1 до 15                 | Устанавливает настройку корреляции кадров.                                                                                       |
| Dynamic Range | От 36 до 96                | Устанавливает динамический диапазон.                                                                                             |
| AGC           | Off                        | Переводит функцию выделения границы ткани в состояние Off.                                                                       |
|               | От 1 до 15                 | Устанавливает уровень выделения границ ткани.                                                                                    |
| Relief        | Off<br>Low<br>Med<br>High  | Задаёт улучшения качества границ для изображений В-режима.                                                                       |
| Smoothing     | Off                        | Устанавливает отображение изображений без корреляции направлений сканирования на одной глубине.                                  |
|               | От 1 до 15                 | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения. |
| Graymap       | Linear<br>A<br>B<br>C<br>D | Устанавливает поправочную кривую, соответствующую яркостным характеристикам экрана.                                              |

## Настройки AIP Level (B), AIP Level (FmT), AIP Level (WbT)

| No. | Edge Sens | Resolution |
|-----|-----------|------------|
| 1   | 2         | 7          |
| 2   | 3         | 6          |
| 3   | 4         | 5          |
| 4   | 4         | 4          |
| 5   | 4         | 2          |
| 6   | 4         | 1          |

| Элемент    | Опции     | Описание                                                                                                                                                              |
|------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.        | От 1 до 6 | Устанавливает No. по умолчанию.                                                                                                                                       |
| Edge Sens  | От 1 до 8 | Устанавливает уровень чувствительности выявления границ сред с разными свойствами.                                                                                    |
| Resolution | От 1 до 8 | Устанавливает приоритет между функциями улучшения пространственного разрешения или устранения зернистости.<br>Увеличение уровня улучшает пространственное разрешение. |

## Настройки IP Select (M)

| No. | Dynamic Range | AGG | Relief |
|-----|---------------|-----|--------|
| 1   | 65            | Off | Off    |
| 2   | 78            | Off | Off    |
| 3   | 72            | 2   | Off    |
| 4   | 66            | 2   | Off    |
| 5   | 60            | 2   | Off    |
| 6   | 57            | 3   | Off    |
| 7   | 51            | 3   | Off    |
| 8   | 48            | 3   | Off    |

| Элемент       | Опции       | Описание                             |
|---------------|-------------|--------------------------------------|
| No.           | От 1 до 8   | Устанавливает No. по умолчанию.      |
| Dynamic Range | От 36 до 96 | Устанавливает динамический диапазон. |

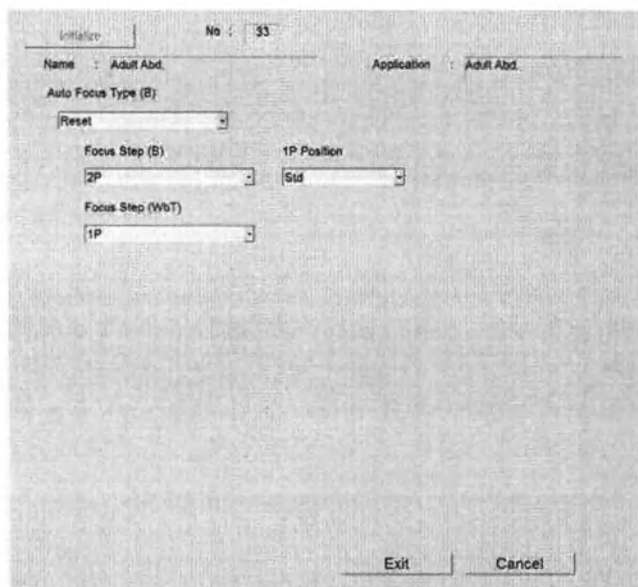
| Элемент | Опции                     | Описание                                                   |
|---------|---------------------------|------------------------------------------------------------|
| AGC     | Off                       | Переводит функцию выделения границы ткани в состояние Off. |
|         | От 1 до 15                | Устанавливает уровень выделения границ ткани.              |
| Relief  | Off<br>Low<br>Med<br>High | Задаёт улучшения качества границ для изображений М-режима. |

## 9.6.17 Focus

Задаёт настройки, относящиеся к фокусировке.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Focus] из Tree View.  
Будет отображен Focus.



5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.



## Настройки Focus

| Элемент             | Опции     | Описание                                                                                                                                                        |
|---------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auto Focus Type (B) | Unchanged | Устанавливает настройку, которая поддерживает положения точек фокусировки при включенной функции автофокусировки, даже если изменяется диапазон отображения.    |
|                     | Reset     | При включенной автофокусировке эта настройка устанавливает возврат положений точек фокусировки к автоматически установленным значениям при изменении диапазона. |
| Focus Step (B)      | 1P        | Устанавливает фокус около центра изображения в 1 шаг.                                                                                                           |
|                     | 2P        | Устанавливает 2 точки фокусировки, равномерно распределенные по всему изображению.                                                                              |
|                     | 2P(@)     | Устанавливает 1 фиксированную точку фокусировки в верхней части изображения и 1 смещающую точку в центре.                                                       |
|                     | 3P        | Устанавливает 3 точки фокусировки на изображении.                                                                                                               |
| 1P Position         | Near      | Устанавливает положение фокусировки функции Auto 1P в проксимальное положение.                                                                                  |
|                     | Std       | Устанавливает положение фокусировки функции Auto 1P в промежуточное положение.                                                                                  |
|                     | Far       | Устанавливает положение фокусировки функции Auto 1P в дистальное положение.                                                                                     |
| Focus Step (WbT)    | 1P        | Устанавливает фокус около центра изображения в 1 шаг.                                                                                                           |
|                     | 2P        | Устанавливает 2 точки фокусировки, равномерно распределенные по всему изображению.                                                                              |
|                     | 2P(@)     | Устанавливает 1 фиксированную точку фокусировки в верхней части изображения и 1 смещающую точку в центре.                                                       |
|                     | 3P        | Устанавливает 3 точки фокусировки на изображении.                                                                                                               |

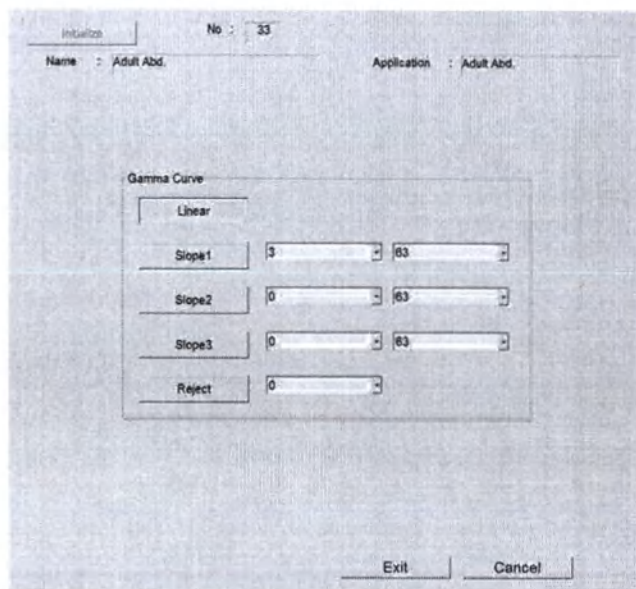
## 9.6.18 Post Processing

Задаёт настройки, относящиеся к Post Processing.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Post Processing] из Tree View.  
Будет отображен Gamma Curve.





5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки последующей обработки

| Элемент     | Опции               | Описание                                                                                                                                                                 |
|-------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gamma Curve | Linear              | Устанавливает характеристики отображаемой яркости в соответствии с интенсивностью эхо-сигнала изображения В-режима.<br><i>8.3.9 Меню функций: Прочее на странице 227</i> |
|             | Slope1 (от 0 до 63) |                                                                                                                                                                          |
|             | Slope2 (от 0 до 63) |                                                                                                                                                                          |
|             | Slope3 (от 0 до 63) |                                                                                                                                                                          |
|             | Reject (от 0 до 63) |                                                                                                                                                                          |

## 9.6.19 Doppler1

Задаёт настройки режима Doppler.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.

Будет отображено Preset Set-Up Меню для выбранной предустановки.

4. Выберите [Doppler1] из Tree View.

Будет отображен Doppler1.

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Doppler1

| Элемент             | Опции          | Описание                                                                                        |
|---------------------|----------------|-------------------------------------------------------------------------------------------------|
| Acoustic Power (PW) | От 0 до 100    | Устанавливает уровень выходного сигнала в режиме PW.                                            |
| Acoustic Power (CW) | От 0 до 100    | Устанавливает уровень выходного сигнала в режиме CW.                                            |
| Sample Volume       | От 0.5 до 20.0 | Устанавливает размер контрольного объема в режиме PW в мм. Количество шагов зависит от размера. |
| Gain (PW)           | От 0 до 127    | Устанавливает значение усиления в PW-режиме.                                                    |
| Gain (CW)           | От -63 до 63   | Устанавливает значение усиления в CW-режиме.                                                    |

| Элемент                            | Опции                                  | Описание                                                                                                                              |
|------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Ref. Frequency (PW)                | Penetration                            | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме PW на самое низкое значение.                              |
|                                    | Standard                               | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме PW на низкое значение.                                    |
|                                    | Resolution                             | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме PW на высокое значение.                                   |
|                                    | High                                   | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме PW на самое высокое значение.                             |
| Wall Filter (PW)                   | Auto                                   | Устанавливает значение фильтра, соответствующее диапазону скоростей.                                                                  |
|                                    | Manual                                 | Устанавливает использование фиксированного значения фильтра.                                                                          |
| Wall Filter (PW), Auto             | От 1 до 12                             | Устанавливает уровень для автоматической настройки значения фильтра, если для параметра Wall Filter (PW) установлено значение "Auto". |
| Wall Filter (PW), Manual           | 50<br>100<br>200<br>400<br>800<br>1600 | Устанавливает значение фильтра, если для параметра Wall Filter (PW) установлено значение "Manual".                                    |
| Wall Filter (CW)                   | Auto                                   | Устанавливает значение фильтра, соответствующее диапазону скоростей.                                                                  |
|                                    | Manual                                 | Устанавливает использование фиксированного значения фильтра.                                                                          |
| Wall Filter (CW), Auto             | От 1 до 12                             | Устанавливает уровень для автоматической настройки значения фильтра, если для параметра Wall Filter (CW) установлено значение "Auto". |
| Wall Filter (CW), Manual           | 50<br>100<br>200<br>400<br>800<br>1600 | Устанавливает значение фильтра, если для параметра Wall Filter (CW) установлено значение "Manual".                                    |
| Velocity Range (PW)                | От 6.23 до 398.44                      | Устанавливает диапазон скорости (см/с) в режиме PW.                                                                                   |
| Velocity Range (CW)                | От 24.90 до 796.88                     | Устанавливает диапазон скорости (см/с) в режиме CW.                                                                                   |
| Baseline Shift                     | От -16 до 16                           | Устанавливает положение базовой линии для изображений D-режима.                                                                       |
| Auto-optimizer Velocity Range (PW) | От 6.23 до 398.44                      | Устанавливает целевой диапазон скорости в режиме PW (см/с) для функции Auto-Optimizer.                                                |

#### Предустановки



| Элемент                                  | Опции                 | Описание                                                                                                                            |
|------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Auto-optimizer<br>Velocity Range<br>(CW) | От 24.90 до<br>796.88 | Устанавливает целевой диапазон скорости в режиме CW (cm/s) для функции Auto-Optimizer.                                              |
| Color Map (D)                            | Gray                  | Устанавливает отображение без добавления цветовой компоненты к изображениям.                                                        |
|                                          | A                     | Устанавливает отображение изображений с добавлением цвета от синего до оранжевого.                                                  |
|                                          | B                     | Устанавливает отображение изображений с добавлением синего цвета.                                                                   |
|                                          | C                     | Устанавливает отображение изображений с добавлением синего цвета, более светлого чем в B.                                           |
|                                          | D                     | Устанавливает отображение изображений с добавлением оранжевого цвета.                                                               |
|                                          | E                     | Устанавливает кодирование яркостных характеристик коричневым цветом.                                                                |
|                                          | F                     | Устанавливает кодирование яркостных характеристик коричневым цветом, слабее используемого для E.                                    |
|                                          | G                     | Устанавливает кодирование яркостных характеристик синим и желтым цветом.                                                            |
| High PRF                                 | Off<br>On             | Устанавливает включение функции High PRF при возрастании диапазона скорости.                                                        |
| Zoom Lock                                | Off                   | Выполняет масштабирование изображения независимо от положения отображения контрольного объема.                                      |
|                                          | On                    | Выполняет масштабирование изображения так, чтобы контрольный объем отображался в центре.                                            |
| B Refresh                                | 1<br>2<br>4<br>6<br>8 | Устанавливает интервал обновления изображения B-режима таким, чтобы в режиме B+Color/M+Color изображения отображались одновременно. |
| Scale Display                            | Off<br>On             | Устанавливает отображение значения скорости потока на доплеровской шкале.                                                           |
| Invert Spectrum                          | Off                   | Задаёт настройку для отображения скорости крови, приближающейся к датчику, по направлению вверх в D-режиме.                         |
|                                          | On                    | Задаёт настройку для отображения скорости крови, приближающейся к датчику, по направлению вниз в D-режиме.                          |
| Invert Axis                              | Base Line             | Устанавливает стандарт для инвертирования спектра к базовой линии.                                                                  |
|                                          | Center                | Устанавливает стандарт для инвертирования спектра к центру изображения.                                                             |

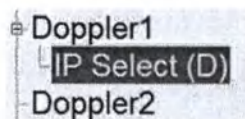
#### Предустановки



## (1) Настройки IP Select (D)

### Процедура

1. Выберите знак [+], отображаемый перед параметром Doppler1 в Tree view.  
Будет отображен IP Select (D).



2. Выберите [IP Select (D)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки IP Select (D)

|   | Dop.Gamma | Gamma Curve (D) | Resolution |
|---|-----------|-----------------|------------|
| 1 | 4         | 1               | Time       |
| 2 | 6         | 1               | Time       |
| 3 | 8         | 1               | Time       |
| 4 | 8         | 2               | Time       |
| 5 | 10        | 2               | Time       |
| 6 | 11        | 3               | Time       |
| 7 | 12        | 3               | Time       |
| 8 | 14        | 4               | Time       |

| Элемент         | Опции      | Описание                                                                                                     |
|-----------------|------------|--------------------------------------------------------------------------------------------------------------|
| No.             | от 1 до 8  | Устанавливает No. по умолчанию.                                                                              |
| Dop.Gamma       | От 1 до 16 | Устанавливает контрастность доплеровской кривой и уровень гамма-коррекции.                                   |
| Gamma Curve (D) | Off        | Определяет настройку, при которой слабые сигналы не подавляются.                                             |
|                 | От 1 до 7  | Устанавливает уровень подавления слабого сигнала, используемого для отображения четкой доплеровской картины. |

| Элемент    | Опции     | Описание                                                                                                |
|------------|-----------|---------------------------------------------------------------------------------------------------------|
| Resolution | Time      | Устанавливает приоритет для улучшения разрешения доплеровского спектра в сторону временного разрешения. |
|            | Frequency | Устанавливает приоритет для улучшения разрешения доплеровского спектра в сторону частотного разрешения. |

## 9.6.20 Doppler2

Задаёт настройки режима Doppler.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Doppler2] из Tree View.  
Будет отображен Doppler2.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Doppler2

| Элемент                   | Опции        | Описание                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Angle Correction          | Off          | Отключает вывод на экран значения корректировки угла при отображении D-курсора.                                                                                                                                                                                                                                                          |
|                           | On           | Включает вывод на экран значения корректировки угла при отображении D-курсора.                                                                                                                                                                                                                                                           |
| Angle Correction Value    | От -80 до 80 | Устанавливает значение корректировки угла по умолчанию.                                                                                                                                                                                                                                                                                  |
| D. Trace Direction        | Toward       | Устанавливает диапазон трассировки Real Time Doppler Auto Trace выше базовой линии.                                                                                                                                                                                                                                                      |
|                           | Away         | Устанавливает диапазон трассировки Real Time Doppler Auto Trace ниже базовой линии.                                                                                                                                                                                                                                                      |
|                           | Both         | Устанавливает диапазон трассировки Real Time Doppler Auto Trace выше и ниже базовой линии.                                                                                                                                                                                                                                               |
|                           | Auto         | Устанавливает возможность автоматического переключения диапазона трассировки Real Time Doppler Auto Trace.<br>Если базовая линия находится в центре изображения или ниже центра, область выше базовой линии становится целевой. Если базовая линия располагается выше центра изображения, область ниже базовой линии становится целевой. |
| Freeze Trigger            | Off<br>On    | Указывает настройки отображения линии трассировки и результатов измерения при остановке изображения.                                                                                                                                                                                                                                     |
| Trace Threshold           | От -22 до 0  | Задаёт область трассировки для доплеровского сигнала.                                                                                                                                                                                                                                                                                    |
| Doppler Auto Trace        | Off          | Выключает запуск автоматической трассировки при отображении изображений в D-режиме.                                                                                                                                                                                                                                                      |
|                           | On           | Включает запуск автоматической трассировки при отображении изображений в D-режиме.                                                                                                                                                                                                                                                       |
| Trace Smooth              | Low          | Задаёт уровень сглаживания линии трассировки Low.                                                                                                                                                                                                                                                                                        |
|                           | High         | Задаёт уровень сглаживания линии трассировки High.                                                                                                                                                                                                                                                                                       |
| Measurement Transfer List | Auto         | Указывает настройки отображения меню для переноса измерений при остановке изображения. Имеются и другие условия отображения меню. Подробные сведения см. в отдельном руководстве «Измерения».                                                                                                                                            |
|                           | Manual       | Указывает настройки таким образом, чтобы меню для переноса измерений не отображалось при остановке изображения.                                                                                                                                                                                                                          |
| D. Trace Display Items    | Off<br>On    | Устанавливает отображение PI, RI, S/D, D/S, PSV, EDV, MnV, FlowT.                                                                                                                                                                                                                                                                        |

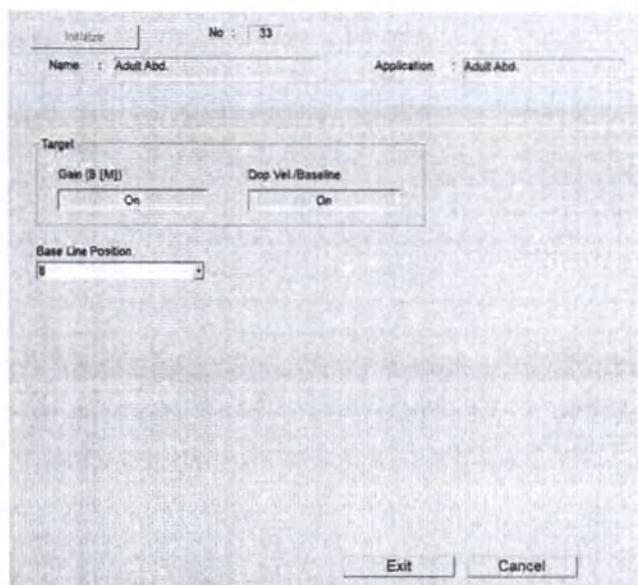
### 9.6.21 Auto-optimizer

Задаёт настройки Auto-optimizer.



## Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Auto-optimizer] из Tree View.  
Будет отображен Auto-optimizer.



5. Измените настройки элемента.

Таблица 4: Target

| Элемент            | Опции      | Описание                                                                                                                                                                                                    |
|--------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gain (B [M])       | Off        | Отключает Auto-optimizer в B-режиме.                                                                                                                                                                        |
|                    | On         | Устанавливает автоматическую корректировку B (M), включая TGC и латеральное усиление, при включении функции Auto-optimizer.                                                                                 |
| Dop Vel./Baseline  | Off        | Отключает Auto-optimizer в доплеровском режиме.                                                                                                                                                             |
|                    | On         | Настраивает систему таким образом, чтобы диапазон скорости и базовая линия в доплеровском режиме автоматически корректировались при включении функции Auto-optimizer.                                       |
| Base Line Position | Unchanged  | Настраивает систему таким образом, чтобы доплеровская базовая линия при включении функции Auto-optimizer не корректировалась автоматически, если для параметра Dop Vel./Baseline установлено значение "On". |
|                    | От 0 до 16 | Устанавливает положение сдвига доплеровской базовой линии, если включена функция Auto-optimizer и для параметра Dop Vel./Baseline установлено значение "On".                                                |

Для возврата к положению заводской настройки по умолчанию

## Предустановки



Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

7. Устанавливает целевые значения для оптимизируемых элементов.

| Название элемента  | Настраиваемые меню и предустановки                                              |
|--------------------|---------------------------------------------------------------------------------|
| Gain (B [M])       | Brightness Level<br><i>8.3.1 Меню функций: B на странице 201</i>                |
|                    | Brightness Level<br><i>9.6.16 Image-B, M2 на странице 314</i>                   |
| Dop Vel./Baseline  | Auto-optimizer Velocity Range (PW)<br><i>Настройка Doppler1 на странице 323</i> |
|                    | Auto-optimizer Velocity Range (CW)<br><i>Настройка Doppler1 на странице 323</i> |
| Base Line Position | Base Line Position<br><i>9.6.21 Auto-optimizer на странице 328</i>              |

## 9.6.22 Color Flow

Задаёт настройки режима Color Flow.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Color Flow] из Tree View.  
Будет отображен Color Flow.

Initialize No : 33

Name : Adult Abd. Application : Adult Abd.

Acoustic Power (Color Flow) 70 Gain (Color Flow) 55 B Gain Comp (Color Flow) 0

Ref. Frequency (Color Flow) Standard Line Density (Color Flow) 2 Frame Rate (Triplez) Fast

Line Density (Compound) 3 Line Density (Trapezoid) 3

Packet Size (Color Flow) Medium Velocity Range (Color Flow) 12.45 cm/s Wall Motion Reduction 6

Color Map Group Abdom Color Map Setting 0

Display Priority Color Disp Prio Lev, B/W 90 Disp Prio Lev, Color 4

Invert Color Map Off Rejection (Color Flow) 0 Frame Rate Accel On

Color Line Correlation Low Flow Edge Off

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки Color Flow

| Элемент                     | Опции        | Описание                                                                                                                                                                           |
|-----------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Power (Color Flow) | От 0 до 100  | Устанавливает уровень выходного сигнала в режиме Color Flow.                                                                                                                       |
| Gain (Color Flow)           | От 0 до 127  | Устанавливает значение усиления в Color Flow-режиме.                                                                                                                               |
| B Gain Comp (Color Flow)    | От -30 до 30 | Устанавливает уровень коррекции снижения яркости, связанной с ограничением мощности на основании разницы В-усиления между состояниями включенного и выключенного цветового потока. |
| Ref. Frequency (Color Flow) | Penetration  | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Color Flow на самое низкое значение.                                                                   |
|                             | Standard     | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Color Flow на низкое значение.                                                                         |
|                             | Resolution   | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Color Flow на высокое значение.                                                                        |
|                             | High         | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Color Flow на самое высокое значение.                                                                  |

| Элемент                     | Опции                                                                                           | Описание                                                                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Density (Color Flow)   | От -4 до 4                                                                                      | Устанавливает плотность линий сканирования (CF) для изображений режима CF. Плотность линий возрастает по мере увеличения уровня и уменьшается по мере снижения уровня.                                                                 |
| Frame Rate (Triplex)        | Off<br>Medium1<br>Medium2<br>Fast                                                               | Устанавливает комбинацию числа линий сканирования Color Flow в режиме B+Color/D и одновременном режиме, и числа линий сканирования в B-режиме. Частота кадров увеличивается в последовательности "Off", "Medium1", "Medium2" и "Fast". |
| Line Density (Compound)     | От -4 до 4                                                                                      | Устанавливает плотность линий (CF), применяемых при запуске функции Compound (режим CF).                                                                                                                                               |
| Line Density (Trapezoid)    | От -4 до 4                                                                                      | Устанавливает плотность линий (CF), применяемых при запуске функции Trapezoidal Scanning (режим CF).                                                                                                                                   |
| Packet Size (Color Flow)    | Low                                                                                             | Задаёт количество передач на уровне Low для режима Color Flow.                                                                                                                                                                         |
|                             | Medium                                                                                          | Задаёт количество передач на уровне Med для режима Color Flow.                                                                                                                                                                         |
|                             | High                                                                                            | Задаёт количество передач на уровне High для режима Color Flow.                                                                                                                                                                        |
| Velocity Range (Color Flow) | От 0.63 до 227.68                                                                               | Устанавливает диапазон скорости в (см/с) для режима Color Flow.                                                                                                                                                                        |
| Wall Motion Reduction       | Off                                                                                             | Переводит функцию удаления мешающих сигналов (помехи из-за движения стенок) в положение "Off".                                                                                                                                         |
|                             | От 1 до 15                                                                                      | Задаёт уровень удаления мешающих сигналов (помехи из-за движения стенок). Чем выше значение, тем выше уровень удаления помех.                                                                                                          |
| Color Map, Group            | Abdom<br>Cardio<br>Vascular<br>Power<br>eFlow<br>Directional Power<br>Directional eFlow<br>User | Конфигурирует настройки для группы Color Map, в том числе, скорость, дисперсию, мощность и т. п. в режиме Color Flow.                                                                                                                  |
| Color Map, Setting          | A<br>B<br>C<br>D<br>E                                                                           | Установите значение Color Map.                                                                                                                                                                                                         |



| Элемент                | Опции       | Описание                                                                                                                                                                                                            |
|------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Priority       | Color       | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока.                                                     |
|                        | Both        | Отображает как черно-белое, так и цветное изображения.                                                                                                                                                              |
|                        | Color (TDI) | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока в режиме TDI Flow.                                   |
|                        | Both (TDI)  | Обрезает информацию о цвете и отображает черно-белые изображения; что предпочтительно в условиях наличия компонентов с низкой скоростью потока и большого объема цветовой информации в режиме TDI Flow .            |
| Disp Prio Lev, B/W     | От 0 до 127 | Устанавливает порог для отображения черно-белой информации.                                                                                                                                                         |
| Disp Prio Lev, Color   | От 1 до 127 | Устанавливает порог для отображения цветовой информации.                                                                                                                                                            |
| Invert Color Map       | Off         | Устанавливает отображение потока крови, приближающегося к датчику, красным цветом, а удаляющегося от датчика — синим.                                                                                               |
|                        | On          | Устанавливает отображение потока крови, приближающегося к датчику, синим цветом, а удаляющегося от датчика — красным.                                                                                               |
| Rejection (Color Flow) | От 0 до 31  | Устанавливает уровень отсеечения низкоскоростных компонентов из цветовой информации.                                                                                                                                |
| Frame Rate Accel       | Off         | Выключает функцию интерполяции цветного изображения между кадрами.                                                                                                                                                  |
|                        | On          | Устанавливает интерполяцию кадров цветного отображения для создания сглаженных цветных изображений.                                                                                                                 |
| Color Line Correlation | Off         | Устанавливает отображение с использованием данных из линий получения цветовой информации.                                                                                                                           |
|                        | Low         | Устанавливает отображение изображений с добавлением линий между линиями получения цветовой информации. Эта функция позволяет отображать более сглаженные изображения.                                               |
|                        | High        | Устанавливает отображение изображений с добавлением несколько линий между линиями получения цветовой информации. Эта функция позволяет отображать более сглаженные изображения, чем достигается при значении [Low]. |

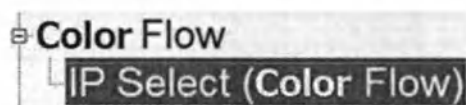


| Элемент   | Опции | Описание                                                                                                                                                                                                                                                                                                  |
|-----------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flow Edge | Off   | Переводит функцию обработки информации цветowych пикселей в состояние "Off".                                                                                                                                                                                                                              |
|           | On    | Включает обработку информации цветных пикселей для установки такого отображения, при котором изображение цветового потока не выходит за пределы ткани.<br>ПРИМЕЧАНИЕ: В некоторых случаях, например, при глубоком расположении кровеносных сосудов, достигнутая чувствительность может быть недостаточна. |

## (1) Настройки IP Select (Color Flow)

### Процедура

1. Выберите отметку [+] перед Color Flow в древовидном отображении. Отображается параметр IP Select (Color Flow).



2. Выберите [IP Select (Color Flow)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки IP Select (Color Flow)

| Элемент                  | Опции      | Описание                                                                                                                         |
|--------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|
| No.                      | От 1 до 8  | Устанавливает No. по умолчанию.                                                                                                  |
| Persistence              | Off        | Переводит функцию корреляции между соседними кадрами в состояние "Off".                                                          |
|                          | От 1 до 15 | Устанавливает настройку корреляции кадров.                                                                                       |
| Smoothing                | Off        | Выключает корреляцию между направлениями сканирования на одной глубине.                                                          |
|                          | От 1 до 15 | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения. |
| Wall Filter (Color Flow) | От 1 до 6  | Задаёт фильтр удаления помех из-за движения стенки.                                                                              |

### 9.6.23 Power Doppler

Задаёт настройки режима Power Doppler.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Power Doppler] из Tree View.  
Будет отображен Power Doppler.

Initialize No: 33

Name: Adult Abd. Application: Adult Abd.

|                                             |                                    |                                       |
|---------------------------------------------|------------------------------------|---------------------------------------|
| Acoustic Power (Power Doppler)<br>70 %      | Gain (Power Doppler)<br>10         | B Gain Comp (Power Doppler)<br>0      |
| Ref. Frequency (Power Doppler)<br>Standard  | Line Density (Power Doppler)<br>2  | Frame Rate (Triplex)<br>Fast          |
| Line Density (Compound)<br>0                | Line Density (Trapezoid)<br>3      | Packet Size (Power Doppler)<br>Medium |
| Velocity Range (Power Doppler)<br>9.95 cm/s | Color Map Group<br>Power           | Color Map Setting<br>A                |
| Wall Motion Reduction<br>6                  | Display Priority<br>Color          | Disp Prio Lev. B/W<br>80              |
| Disp Prio Lev. Color<br>4                   | Directional (Power Doppler)<br>Off | Frame Rate Accel<br>Off               |
| Dynamic Range (Power Doppler)<br>Medium     | Color Line Correlation<br>Low      | Flow Edge<br>Off                      |

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки Power Doppler

| Элемент                        | Опции        | Описание                                                                                                                                                                               |
|--------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Power (Power Doppler) | От 0 до 100  | Устанавливает уровень выходного сигнала в режиме Power Doppler (с шагом 1 %).                                                                                                          |
| Gain (Power Doppler)           | От -63 до 63 | Устанавливает значение усиления в режиме Power Doppler с 1 dB steps.                                                                                                                   |
| B Gain Comp (Power Doppler)    | От -30 до 30 | Устанавливает уровень коррекции снижения яркости, связанной с ограничением мощности на основании разницы B-усиления между состояниями включенного и выключенного режима Power Doppler. |
| Ref. Frequency (Power Doppler) | Penetration  | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Power Doppler на самое низкое значение.                                                                    |
|                                | Standard     | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Power Doppler на низкое значение.                                                                          |
|                                | Resolution   | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Power Doppler на высокое значение.                                                                         |
|                                | High         | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме Power Doppler на самое высокое значение.                                                                   |



| Элемент                           | Опции                                                                                           | Описание                                                                                                                                                                                                                                  |
|-----------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Density<br>(Power Doppler)   | От -4 до 4                                                                                      | Устанавливает плотность линий сканирования (PD) для изображений режима PD.<br>Плотность линий возрастает по мере увеличения уровня и уменьшается по мере снижения уровня.                                                                 |
| Frame Rate<br>(Triplex)           | Off<br>Medium1<br>Medium2<br>Fast                                                               | Устанавливает комбинацию числа линий сканирования Power Doppler в режиме B+Color/D и одновременном режиме, и числа линий сканирования в B-режиме. Частота кадров увеличивается в последовательности "Off", "Medium1", "Medium2" и "Fast". |
| Line Density<br>(Compound)        | От -4 до 4                                                                                      | Устанавливает плотность линий, применяемую при запуске функции Compound (в режиме PD).                                                                                                                                                    |
| Line Density<br>(Trapezoid)       | От -4 до 4                                                                                      | Устанавливает плотность линий, применяемую при запуске функции Trapezoidal Scanning (в режиме PD).                                                                                                                                        |
| Packet Size<br>(Power Doppler)    | Low                                                                                             | Задаёт количество передач на уровне Low для режима Power Doppler.                                                                                                                                                                         |
|                                   | Medium                                                                                          | Задаёт количество передач на уровне Med для режима Power Doppler.                                                                                                                                                                         |
|                                   | High                                                                                            | Задаёт количество передач на уровне High для режима Power Doppler.                                                                                                                                                                        |
| Velocity Range<br>(Power Doppler) | От 0.63 до 227.68                                                                               | Устанавливает предельный диапазон скорости в (cm/s) для режима Power Doppler.                                                                                                                                                             |
| Color Map, Group                  | Abdom<br>Cardio<br>Vascular<br>Power<br>eFlow<br>Directional Power<br>Directional eFlow<br>User | Конфигурирует настройки для группы Color Map, в том числе, скорость, дисперсию, мощность и т. п. в режиме Power Doppler.                                                                                                                  |
| Color Map, Setting                | A<br>B<br>C<br>D<br>E                                                                           | Установите значение Color Map.                                                                                                                                                                                                            |
| Wall Motion<br>Reduction          | Off                                                                                             | Переводит функцию удаления мешающих сигналов (помехи из-за движения стенок) в положение "Off".                                                                                                                                            |
|                                   | От 1 до 15                                                                                      | Задаёт уровень удаления мешающих сигналов (помехи из-за движения стенок). Чем выше значение, тем выше уровень удаления помех.                                                                                                             |



| Элемент                       | Опции       | Описание                                                                                                                                                                                                            |
|-------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Priority              | Color       | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях color flow.                                                           |
|                               | Both        | Отображает как черно-белое, так и цветное изображения.                                                                                                                                                              |
|                               | Color (TDI) | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока в режиме TDI Power Doppler.                          |
|                               | Both (TDI)  | Обрезает информацию о цвете и отображает черно-белые изображения; что предпочтительно в условиях наличия компонентов с низкой скоростью потока и большого объема цветовой информации в режиме TDI Power Doppler.    |
| Disp Prio Lev, B/W            | От 0 до 127 | Устанавливает порог для отображения черно-белой информации.                                                                                                                                                         |
| Disp Prio Lev, Color          | От 1 до 127 | Устанавливает порог для отображения цветовой информации.                                                                                                                                                            |
| Directional(Power Doppler)    | On, Off     | Открывает окно направления при запуске в режиме PD.                                                                                                                                                                 |
| Frame Rate Accel              | Off         | Выключает функцию интерполяции цветного изображения между кадрами.                                                                                                                                                  |
|                               | On          | Устанавливает интерполяцию кадров цветного отображения для создания сглаженных цветных изображений.                                                                                                                 |
| Dynamic Range (Power Doppler) | Low         | Устанавливает динамический диапазон для режима Power Doppler на уровень Low.                                                                                                                                        |
|                               | Medium      | Устанавливает динамический диапазон для режима Power Doppler на уровень Med.                                                                                                                                        |
|                               | High        | Устанавливает динамический диапазон для режима Power Doppler на уровень High.                                                                                                                                       |
| Color Line Correlation        | Off         | Устанавливает отображение с использованием данных из линий получения цветовой информации.                                                                                                                           |
|                               | Low         | Устанавливает отображение изображений с добавлением линий между линиями получения цветовой информации. Эта функция позволяет отображать более сглаженные изображения.                                               |
|                               | High        | Устанавливает отображение изображений с добавлением несколько линий между линиями получения цветовой информации. Эта функция позволяет отображать более сглаженные изображения, чем достигается при значении [Low]. |

| Элемент   | Опции | Описание                                                                                                                                                                                                                              |
|-----------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flow Edge | Off   | Задаёт отсутствие подавления выступов цветной части изображения в область ткани.                                                                                                                                                      |
|           | On    | Указывает настройки подавления выступов цветной части изображения в область ткани.<br>ПРИМЕЧАНИЕ: В некоторых случаях, например, при глубоком расположении кровеносных сосудов, достигнутая чувствительность может быть недостаточна. |

## (1) Настройки IP Select (Power Doppler)

### Процедура

1. Выберите знак [+] перед параметром Power Doppler в Tree view.  
Будет отображен IP Select (Power Doppler).
2. Выберите [IP Select (Power Doppler)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки IP Select (Power Doppler)

| Элемент | Опции     | Описание                        |
|---------|-----------|---------------------------------|
| No.     | От 1 до 8 | Устанавливает No. по умолчанию. |

| Элемент                     | Опции      | Описание                                                                                                                         |
|-----------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|
| Persistence                 | Off        | Переводит функцию корреляции между соседними кадрами в состояние "Off".                                                          |
|                             | От 1 до 15 | Устанавливает настройку корреляции кадров.                                                                                       |
| Smoothing                   | Off        | Переводит в состояние "Off" корреляцию между направлениями сканирования на одной глубине.                                        |
|                             | От 1 до 15 | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения. |
| Wall Filter (Power Doppler) | От 1 до 6  | Задаёт фильтр удаления помех из-за движения стенки.                                                                              |

## 9.6.24 eFlow

Задаёт настройки режима eFlow.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [eFlow] из Tree View.  
Отображается eFlow.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].



Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки eFlow

| Элемент                  | Опции                             | Описание                                                                                                                                                                                                                             |
|--------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Power (eFlow)   | От 0 до 100                       | Устанавливает уровень выходного сигнала в режиме eFlow.                                                                                                                                                                              |
| Gain (eFlow)             | От -63 до 63                      | Устанавливает значение усиления в eFlow-режиме.                                                                                                                                                                                      |
| B Gain Comp (eFlow)      | От -30 до 30                      | Устанавливает уровень коррекции снижения яркости, связанной с ограничением мощности на основании разницы В-усиления между состояниями включенного и выключенного режима eFlow.                                                       |
| Ref. Frequency (eFlow)   | Penetration                       | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме eFlow на самое низкое значение.                                                                                                                          |
|                          | Standard                          | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме eFlow на низкое значение.                                                                                                                                |
|                          | Resolution                        | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме eFlow на высокое значение.                                                                                                                               |
|                          | High                              | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме eFlow на самое высокое значение.                                                                                                                         |
| Line Density (eFlow)     | От -4 до 4                        | Устанавливает плотность линий сканирования (eFlow) для изображений режима eFlow.<br>Плотность линий возрастает по мере увеличения уровня и уменьшается по мере снижения уровня.                                                      |
| Frame Rate (Triplex)     | Off<br>Medium1<br>Medium2<br>Fast | Устанавливает комбинацию числа линий сканирования eFlow в режиме B+Color/D и одновременном режиме, и числа линий сканирования в B-режиме.<br>Частота кадров увеличивается в последовательности "Off", "Medium1", "Medium2" и "Fast". |
| Line Density (Compound)  | От -4 до 4                        | Устанавливает плотность линий, применяемую при запуске функции Compound (в режиме eFlow).                                                                                                                                            |
| Line Density (Trapezoid) | От -4 до 4                        | Устанавливает плотность линий, применяемую при запуске функции Trapezoidal Scanning (в режиме eFlow).                                                                                                                                |
| Packet Size (eFlow)      | Low                               | Задаёт количество передач на уровне Low для режима eFlow.                                                                                                                                                                            |
|                          | Medium                            | Задаёт количество передач на уровне Med для режима eFlow.                                                                                                                                                                            |
|                          | High                              | Задаёт количество передач на уровне High для режима eFlow.                                                                                                                                                                           |
| Velocity Range (eFlow)   | От 0.63 до 227.68                 | Устанавливает предельный диапазон скорости (см/с) в режиме eFlow.                                                                                                                                                                    |

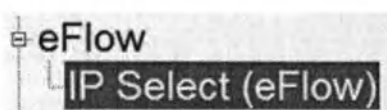


| Элемент               | Опции                                                                                           | Описание                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Color Map, Group      | Abdom<br>Cardio<br>Vascular<br>Power<br>eFlow<br>Directional Power<br>Directional eFlow<br>User | Конфигурирует настройки для группы Color Map, в том числе, скорость, дисперсию, мощность и т. п. в режиме eFlow. |
| Color Map, Setting    | A<br>B<br>C<br>D<br>E                                                                           | Установите значение Color Map.                                                                                   |
| Directional (eFlow)   | Off<br>On                                                                                       | Открывает окно направления при запуске в режиме eFlow.                                                           |
| Frame Rate Accel      | Off                                                                                             | Выключает функцию интерполяции цветного изображения между кадрами.                                               |
|                       | On                                                                                              | Устанавливает интерполяцию кадров цветного отображения для создания сглаженных цветных изображений.              |
| Dynamic Range (eFlow) | Low                                                                                             | Устанавливает динамический диапазон для режима eFlow на уровень Low.                                             |
|                       | Medium                                                                                          | Устанавливает динамический диапазон для режима eFlow на уровень Med.                                             |
|                       | High                                                                                            | Устанавливает динамический диапазон для режима eFlow на уровень High.                                            |

## (1) Настройки IP Select (eFlow)

### Процедура

1. Выберите знак [+] перед параметром eFlow в Tree view.  
Будет отображен IP Select (eFlow).



2. Выберите [IP Select (eFlow)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки IP Select (eFlow)

| Элемент             | Опции      | Описание                                                                                                                         |
|---------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|
| No.                 | От 1 до 8  | Устанавливает номер по умолчанию.                                                                                                |
| Persistence         | Off        | Переводит функцию корреляции между соседними кадрами в состояние Off.                                                            |
|                     | От 1 до 15 | Устанавливает настройку корреляции кадров.                                                                                       |
| Smoothing           | Off        | Переводит в состояние Off корреляцию между направлениями сканирования на одной глубине.                                          |
|                     | От 1 до 15 | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения. |
| Wall Filter (eFlow) | От 1 до 8  | Задаёт фильтр удаления помех из-за движения стенки.                                                                              |

### 9.6.25 Tissue Doppler

Задаёт настройки режима Tissue Doppler.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Tissue Doppler] из Tree View.  
Будет отображен Tissue Doppler.

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки Tissue Doppler

| Элемент                     | Опции       | Описание                                                                                                                               |
|-----------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Power (TD-PW)      | От 0 до 100 | Устанавливает уровень выходного сигнала в режиме TDI PW.                                                                               |
| Gain (TD-PW)                | От 0 до 127 | Устанавливает значение усиления в TDI PW-режиме.                                                                                       |
| Wall Filter (TD-PW)         | Auto        | Устанавливает значение фильтра, соответствующее диапазону скоростей.                                                                   |
|                             | Manual      | Устанавливает использование фиксированного значения фильтра.                                                                           |
| Wall Filter (TD-PW), Auto   | От 1 до 12  | Устанавливает уровень для автоматической настройки значения фильтра, если для параметра Wall Filter (TD-PW) установлено значение Auto. |
| Wall Filter (TD-PW), Manual | 50          | Устанавливает значение фильтра, если для параметра Wall Filter (TD-PW) установлено значение Manual.                                    |
|                             | 100         |                                                                                                                                        |
|                             | 200         |                                                                                                                                        |
|                             | 400         |                                                                                                                                        |
|                             | 800         |                                                                                                                                        |
|                             | 1600        |                                                                                                                                        |



| Элемент                                | Опции             | Описание                                                                                                         |
|----------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------|
| Ref. Frequency (TD-PW)                 | Penetration       | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI PW на самое низкое значение.     |
|                                        | Standard          | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI PW на низкое значение.           |
|                                        | Resolution        | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI PW на высокое значение.          |
|                                        | High              | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI PW на самое высокое значение.    |
| Velocity Range (TD-PW)                 | От 6.23 до 398.44 | Устанавливает диапазон скорости в см/с для режима TDI PW.                                                        |
| Velocity Range (TD-PW), Auto-optimizer | От 6.23 до 398.44 | Устанавливает целевой диапазон скорости в см/с для режима TDI PW, если функция Auto-Optimizer включена.          |
| Sample Volume                          | От 0.5 до 20.0    | Задаёт размер контрольного объема в мм в режиме TDI PW. Количество шагов зависит от размера.                     |
| Zoom Lock                              | Off               | Устанавливает Zoom независимо от положения отображения контрольного объема.                                      |
|                                        | On                | Устанавливает настройку для выполнения Zoom изображения так, чтобы контрольный объем отображался в центре.       |
| Scale Display                          | Off               | Устанавливает скрытие значения скорости потока на доплеровской шкале.                                            |
|                                        | On                | Устанавливает отображение значения скорости потока на доплеровской шкале.                                        |
| Baseline Shift                         | От -16 до 16      | Устанавливает положение базовой линии для изображений TDI PW-режима.                                             |
| Invert Spectrum                        | Off               | Задаёт настройку для отображения скорости крови, приближающейся к датчику, по направлению вверх в TDI PW-режиме. |
|                                        | On                | Задаёт настройку для отображения скорости крови, приближающейся к датчику, по направлению вниз в TDI PW-режиме.  |
| Invert Axis                            | Base Line         | Устанавливает стандарт для инвертирования спектра к базовой линии.                                               |
|                                        | Center            | Устанавливает стандарт для инвертирования спектра к центру изображения.                                          |

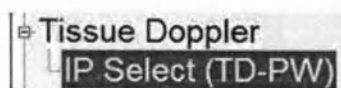


| Элемент                | Опции        | Описание                                                                                                                            |
|------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Color Map(D)           | Gray         | Устанавливает отображение без добавления цветовой компоненты к изображениям.                                                        |
|                        | A            | Устанавливает отображение изображений с добавлением цвета от синего до оранжевого.                                                  |
|                        | B            | Устанавливает отображение изображений с добавлением синего цвета.                                                                   |
|                        | C            | Устанавливает отображение изображений с добавлением синего цвета, более светлого чем в B.                                           |
|                        | D            | Устанавливает отображение изображений с добавлением оранжевого цвета.                                                               |
|                        | E            | Устанавливает кодирование яркостных характеристик коричневым цветом.                                                                |
|                        | F            | Устанавливает кодирование яркостных характеристик коричневым цветом, слабее используемого для E.                                    |
|                        | G            | Устанавливает кодирование яркостных характеристик синим и желтым цветом.                                                            |
| B Refresh              | 1            | Устанавливает интервал обновления изображения B-режима таким, чтобы в режиме B+Color/M+Color изображения отображались одновременно. |
|                        | 2            |                                                                                                                                     |
|                        | 4            |                                                                                                                                     |
|                        | 6            |                                                                                                                                     |
|                        | 8            |                                                                                                                                     |
| Angle Correction       | Off          | Отключает вывод на экран значения корректировки угла при отображении D-курсора.                                                     |
|                        | On           | Включает вывод на экран значения корректировки угла при отображении D-курсора.                                                      |
| Angle Correction Value | От -80 до 80 | Устанавливает значение корректировки угла для режима TDI PW по умолчанию.                                                           |

## (1) Настройки IP Select (TD-PW)

### Процедура

1. Выберите знак [+] перед параметром Tissue Doppler в Tree view.  
Отображается параметр IP Select (TD-PW).



2. Выберите [IP Select (TD-PW)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки IP Select (TD-PW)

| No. | Dop. Gamma | Gamma Curve (TD-PW) | Resolution |
|-----|------------|---------------------|------------|
| 1   | 8          | 1                   | Time       |
| 2   | 9          | 1                   | Time       |
| 3   | 10         | 1                   | Time       |
| 4   | 11         | 1                   | Frequency  |
| 5   | 11         | 2                   | Frequency  |
| 6   | 12         | 2                   | Frequency  |
| 7   | 13         | 3                   | Frequency  |
| 8   | 14         | 4                   | Frequency  |

| Элемент             | Опции             | Описание                                                                                            |
|---------------------|-------------------|-----------------------------------------------------------------------------------------------------|
| No.                 | От 1 до 8         | Устанавливает номер по умолчанию.                                                                   |
| Dop.Gamma           | От 1 до 16        | Устанавливает контрастность доплеровской кривой и уровень гамма-коррекции.                          |
| Gamma Curve (TD-PW) | Off               | Определяет настройку, при которой слабые сигналы не подавляются.                                    |
|                     | От 1 до 7         | Устанавливает подавление слабого сигнала, используемое для отображения четкой доплеровской картины. |
| Resolution          | Time<br>Frequency | Устанавливает направление улучшения разрешения доплеровского спектра.                               |

### 9.6.26 TDI-Color

Задаёт настройки режима TDI Color.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [TDI-Color] из Tree View.  
Отобразится экран TDI-Color.

Initialize No. 33

Name: Adult Abd. Application: Adult Abd.

Acoustic Power (TDI-Color) 70 % Gain (TDI-Color) 50 B Gain Comp (TDI-Color) 0

Ref. Frequency (TDI-Color) Resolution Line Density (TDI-Color) 0 Frame Rate (Triplex) Fast

Packet Size (TDI-Color) Low Velocity Range (TDI-Color) 18.60 cm/s

Color Map Group Abdom Color Map Setting C TDI Display Type A

Display Priority Color Disp. Prio. Lev. B/W 127 Disp. Prio. Lev. Color 1

Invert Color Map Off Rejection (TDI-Color) 0 Frame Rate Accel On

Color Line Correlation Off

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки TDI-Color

| Элемент                    | Опции        | Описание                                                                                                                                                                               |
|----------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic Power (TDI-Color) | От 0 до 100  | Устанавливает уровень выходного сигнала в режиме TDI Color.                                                                                                                            |
| Gain (TDI-Color)           | От 0 до 127  | Устанавливает значение усиления в TDI Color-режиме.                                                                                                                                    |
| B Gain Comp (TDI-Color)    | от -30 до 30 | Устанавливает уровень коррекции снижения яркости, связанной с ограничением мощности на основании разницы B-усиления между состояниями включенного и выключенного цветового потока TDI. |
| Ref. Frequency (TDI-Color) | Penetration  | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Color на самое низкое значение.                                                                        |
|                            | Standard     | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Color на низкое значение.                                                                              |
|                            | Resolution   | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Color на высокое значение.                                                                             |
|                            | High         | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Color на самое высокое значение.                                                                       |



| Элемент                    | Опции                                                                                           | Описание                                                                                                                                                                                                                              |
|----------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Density (TDI-Color)   | от -4 до 4                                                                                      | Устанавливает плотность линий сканирования при использовании TDI-Color.<br>Плотность линий возрастает по мере увеличения уровня и уменьшается по мере снижения уровня.                                                                |
| Frame Rate (Triplex)       | Off<br>Medium1<br>Medium2<br>Fast                                                               | Устанавливает комбинацию числа линий сканирования TDI Color в режиме B+Color/D и одновременном режиме, и числа линий сканирования в B-режиме. Частота кадров увеличивается в последовательности "Off", "Medium1", "Medium2" и "Fast". |
| Packet Size (TDI-Color)    | Low                                                                                             | Задаёт количество передач на уровне Low для режима TDI Color.                                                                                                                                                                         |
|                            | Medium                                                                                          | Задаёт количество передач на уровне Med для режима TDI Color.                                                                                                                                                                         |
|                            | High                                                                                            | Задаёт количество передач на уровне High для режима TDI Color.                                                                                                                                                                        |
| Velocity Range (TDI-Color) | От 0.63 до 227.68                                                                               | Устанавливает диапазон скорости в см/с для режима TDI Color.                                                                                                                                                                          |
| Color Map, Group           | Abdom<br>Cardio<br>Vascular<br>Power<br>eFlow<br>Directional Power<br>Directional eFlow<br>User | Конфигурирует настройки для группы Color Map, в том числе, скорость, дисперсию, мощность и т. п. в режиме TDI Color.                                                                                                                  |
| Color Map, Setting         | A<br>B<br>C<br>D<br>E                                                                           | Установите значение Color Map.                                                                                                                                                                                                        |
| TDI Display Type           | A                                                                                               | Устанавливает TDI как метод coding в режиме TDI Color.                                                                                                                                                                                |
|                            | B                                                                                               | Устанавливает Normal как метод coding в режиме TDI Color.                                                                                                                                                                             |



| Элемент                | Опции       | Описание                                                                                                                                                                                                             |
|------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Priority       | Color       | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока.                                                      |
|                        | Both        | Отображает как черно-белое, так и цветное изображения.                                                                                                                                                               |
|                        | Color (TDI) | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока в режиме TDI Color.                                   |
|                        | Both (TDI)  | Обрезает информацию о цвете и отображает черно-белые изображения; что предпочтительно в условиях наличия компонентов с низкой скоростью потока и большого объема цветовой информации в режиме TDI Color.             |
| Disp Prio Lev, B/W     | От 0 до 127 | Устанавливает порог для отображения черно-белой информации.                                                                                                                                                          |
| Disp Prio Lev, Color   | От 1 до 127 | Устанавливает порог для отображения цветовой информации.                                                                                                                                                             |
| Invert Color Map       | Off         | Устанавливает отображение потока крови, приближающегося к датчику, красным цветом, а удаляющегося от датчика — синим.                                                                                                |
|                        | On          | Устанавливает отображение потока крови, приближающегося к датчику, синим цветом, а удаляющегося от датчика — красным.                                                                                                |
| Rejection (TDI-Color)  | От 0 до 31  | Устанавливает уровень отсеечения низкоскоростных компонентов из цветовой информации.                                                                                                                                 |
| Frame Rate Accel       | Off         | Выключает функцию интерполяции цветного изображения между кадрами.                                                                                                                                                   |
|                        | On          | Устанавливает интерполяцию кадров цветного отображения для создания сглаженных цветных изображений.                                                                                                                  |
| Color Line Correlation | Off         | Устанавливает отображение с использованием данных из линий получения цветовой информации.                                                                                                                            |
|                        | Low         | Устанавливает отображение изображений с добавлением линий между линиями получения цветовой информации.<br>Эта функция позволяет отображать более сглаженные изображения.                                             |
|                        | High        | Устанавливает отображение изображений с добавлением несколько линий между линиями получения цветовой информации.<br>Эта функция позволяет отображать более сглаженные изображения, чем достигается при значении Low. |

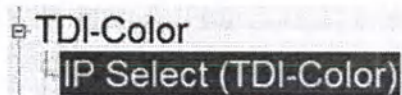
#### Предустановки

350 / MN1-6467RU ред.6

## (1) Настройки IP Select (TDI-Color)

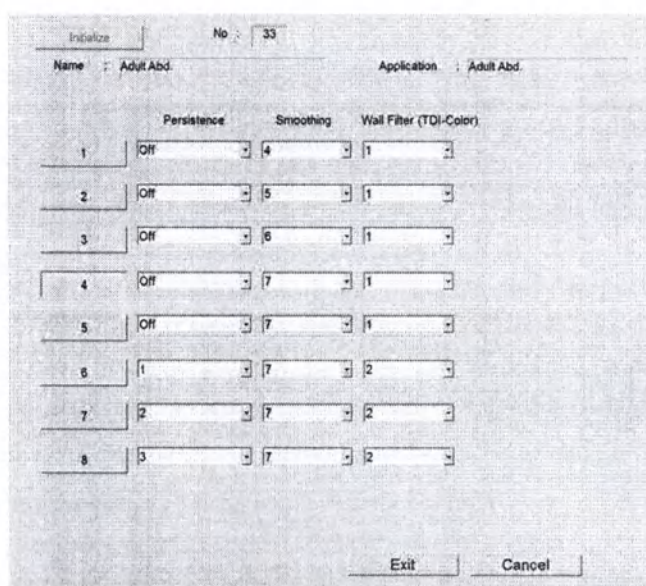
### Процедура

1. Выберите знак [+], отображаемый перед параметром TDI-Color в Tree view.  
Будет отображен IP Select (TDI-Color).



2. Выберите [IP Select (TDI-Color)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки IP Select (TDI-Color)



| Элемент     | Опции      | Описание                                                                                                                         |
|-------------|------------|----------------------------------------------------------------------------------------------------------------------------------|
| No.         | От 1 до 8  | Устанавливает номер по умолчанию.                                                                                                |
| Persistence | Off        | Переводит функцию корреляции между соседними кадрами в состояние "Off".                                                          |
|             | От 1 до 15 | Устанавливает настройку корреляции кадров.                                                                                       |
| Smoothing   | Off        | Переводит в состояние "Off" корреляцию между направлениями сканирования на одной глубине.                                        |
|             | От 1 до 15 | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения. |

| Элемент                 | Опции | Описание                                                                                          |
|-------------------------|-------|---------------------------------------------------------------------------------------------------|
| Wall Filter (TDI-Color) | 1, 2  | Устанавливает уровень отсечения высокоскоростных компонентов для удаления информации о кровотоке. |

## 9.6.27 TDI Power

Задаёт настройки режима TDI Power Doppler.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [TDI-Power] из Tree View.  
Отобразится экран TDI-Power.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки TDI-Power

| Элемент                    | Опции       | Описание                                                            |
|----------------------------|-------------|---------------------------------------------------------------------|
| Acoustic Power (TDI-Power) | От 0 до 100 | Устанавливает уровень выходного сигнала в режиме TDI Power Doppler. |

Предустановки

352 / MN1-6467RU ред.6



| Элемент                    | Опции                                                                                           | Описание                                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gain (TDI-Power)           | От -63 до 63                                                                                    | Устанавливает значение усиления в TDI Power Doppler-режиме.                                                                                                                                                                                      |
| B Gain Comp (TDI-Power)    | От -30 до 30                                                                                    | Устанавливает уровень коррекции снижения яркости, связанной с ограничением мощности на основании разницы В-усиления между состояниями включенного и выключенного режима TDI Power Doppler.                                                       |
| Ref. Frequency (TDI-Power) | Penetration                                                                                     | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Power Doppler на самое низкое значение.                                                                                                                          |
|                            | Standard                                                                                        | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Power Doppler на низкое значение.                                                                                                                                |
|                            | Resolution                                                                                      | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Power Doppler на высокое значение.                                                                                                                               |
|                            | High                                                                                            | Устанавливает опорную частоту (частоту передачи) при начале работы в режиме TDI Power Doppler на самое высокое значение.                                                                                                                         |
| Line Density (TDI-Power)   | От -4 до 4                                                                                      | Устанавливает плотность линий сканирования при использовании TDI Power Doppler.<br>Плотность линий возрастает по мере увеличения уровня и уменьшается по мере снижения уровня.                                                                   |
| Frame Rate (Triplex)       | Off<br>Medium1<br>Medium2<br>Fast                                                               | Устанавливает комбинацию числа линий сканирования TDI Power Doppler в режиме B+Color/D и одновременном режиме, и числа линий сканирования в В-режиме.<br>Частота кадров увеличивается в последовательности "Off", "Medium1", "Medium2" и "Fast". |
| Packet Size (TDI-Power)    | Low                                                                                             | Задаёт количество передач на уровне Low для режима TDI Power Doppler.                                                                                                                                                                            |
|                            | Medium                                                                                          | Задаёт количество передач на уровне Med для режима TDI Power Doppler.                                                                                                                                                                            |
|                            | High                                                                                            | Задаёт количество передач на уровне High для режима TDI Power Doppler.                                                                                                                                                                           |
| Velocity Range (TDI-Power) | От 0.63 до 227.68                                                                               | Устанавливает предельный диапазон скорости в см/с для режима TDI Power Doppler.                                                                                                                                                                  |
| Color Map, Group           | Abdom<br>Cardio<br>Vascular<br>Power<br>eFlow<br>Directional Power<br>Directional eFlow<br>User | Конфигурирует настройки для группы Color Map, в том числе, скорость, дисперсию, мощность и т. п. в режиме TDI Power Doppler.                                                                                                                     |

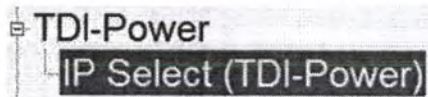


| Элемент                 | Опции                 | Описание                                                                                                                                                                                                                         |
|-------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color Map, Setting      | A<br>B<br>C<br>D<br>E | Установите значение Color Map.                                                                                                                                                                                                   |
| Display Priority        | Color                 | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока.                                                                  |
|                         | Both                  | Отображает как черно-белое, так и цветное изображения.                                                                                                                                                                           |
|                         | Color (TDI)           | Устанавливает использование цветного отображения в областях, где друг на друга накладываются черно-белое изображение и информация о скоростях цветового потока в режиме TDI Power Doppler.                                       |
|                         | Both (TDI)            | Устанавливает исключение информации о цвете и отображает черно-белые изображения, что предпочтительно в условиях наличия компонентов с низкой скоростью потока и большого объема цветовой информации в режиме TDI Power Doppler. |
| Disp Prio Lev, B/W      | От 0 до 127           | Устанавливает порог для отображения черно-белой информации.                                                                                                                                                                      |
| Disp Prio Lev, Color    | От 1 до 127           | Устанавливает порог для отображения цветовой информации.                                                                                                                                                                         |
| Directional (TDI-Power) | Off<br>On             | Открывает окно направления при запуске в режиме TDI Power Doppler.                                                                                                                                                               |
| Frame Rate Accel        | Off                   | Выключает функцию интерполяции цветного изображения между кадрами.                                                                                                                                                               |
|                         | On                    | Устанавливает интерполяцию кадров цветного отображения для создания сглаженных цветных изображений.                                                                                                                              |
| Color Line Correlation  | Off                   | Устанавливает отображение с использованием данных из линий получения цветовой информации.                                                                                                                                        |
|                         | Low                   | Устанавливает отображение изображений с добавлением линий между линиями получения цветовой информации. Эта функция позволяет отображать более сглаженные изображения.                                                            |
|                         | High                  | Устанавливает отображение изображений с добавлением несколько линий между линиями получения цветовой информации. Эта функция позволяет отображать более сглаженные изображения, чем достигается при значении Low.                |

## (1) Настройки IP Select (TDI-Power)

### Процедура

1. Выберите знак [+], отображаемый перед параметром TDI-Power в Tree view.  
Будет отображен IP Select (TDI-Power).



2. Выберите [IP Select (TDI-Power)].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки IP Select (TDI-Power)

|   | Persistence | Smoothing | Wall Filter (TDI-Power) |
|---|-------------|-----------|-------------------------|
| 1 | Off         | 3         | 1                       |
| 2 | Off         | 4         | 1                       |
| 3 | Off         | 5         | 1                       |
| 4 | Off         | 6         | 1                       |
| 5 | Off         | 7         | 1                       |
| 6 | 1           | 7         | 2                       |
| 7 | 2           | 7         | 2                       |
| 8 | 3           | 7         | 2                       |

| Элемент     | Опции      | Описание                                                                                                                         |
|-------------|------------|----------------------------------------------------------------------------------------------------------------------------------|
| No.         | От 1 до 8  | Устанавливает номер по умолчанию.                                                                                                |
| Persistence | Off        | Переводит функцию корреляции между соседними кадрами в состояние "Off".                                                          |
|             | От 1 до 15 | Устанавливает настройку корреляции кадров.                                                                                       |
| Smoothing   | Off        | Переводит в состояние "Off" корреляцию между направлениями сканирования на одной глубине.                                        |
|             | От 1 до 15 | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения. |

| Элемент                 | Опции | Описание                                                                                           |
|-------------------------|-------|----------------------------------------------------------------------------------------------------|
| Wall Filter (TDI-Power) | 1, 2  | Устанавливает уровень отсеечения высокоскоростных компонентов для удаления информации о кровотоке. |

## 9.6.28 FAM

Задаёт настройки, относящиеся к Free Angular M Mode.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [FAM] из Tree View.  
Будет отображен FAM.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки FAM

| Элемент           | Опции  | Описание                                            |
|-------------------|--------|-----------------------------------------------------|
| FAM Cursor Number | 2<br>3 | Устанавливает количество отображаемых курсоров FAM. |



| Элемент             | Опции                                | Описание                                                                                                                                                                              |
|---------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAG (FAM)           | 0.50<br>0.75<br>1.00<br>1.50<br>2.00 | Устанавливает увеличение отображения изображений М-режима относительно изображений В-режима.                                                                                          |
| Dynamic Range (FAM) | От 1 до 16                           | Задаёт контрастность изображений М-режима.                                                                                                                                            |
| Gamma Curve (FAM)   | Off                                  | Переводит в состояние "Off" изменения характеристик яркости изображений М-режима.                                                                                                     |
|                     | От 1 до 4                            | Устанавливает изменения характеристик яркости изображений М-режима.                                                                                                                   |
| PSAX                | Off                                  | Поочередно устанавливает курсоры FAM.                                                                                                                                                 |
|                     | On                                   | Устанавливает курсор для сечения короткой оси.                                                                                                                                        |
| Trace Fit           | Off                                  | При одновременном отображении нескольких курсоров FAM устанавливает такую настройку, при которой увеличение отображения изображений М-режима может быть изменено с помощью MAG (FAM). |
|                     | On                                   | Автоматически настраивает MAG (FAM) так, чтобы изображение М-режима вписывалось в область отображения.                                                                                |

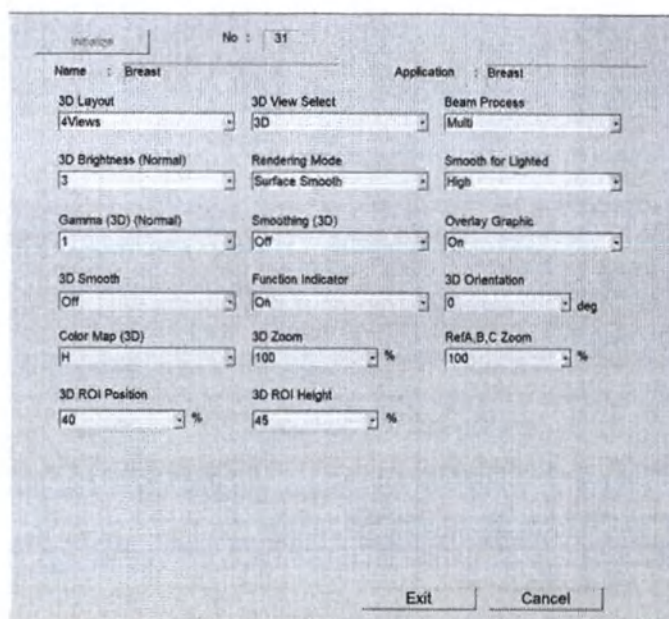
## 9.6.29 4D1

Параметры, связанные с 4D.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [4D1] из Tree View.  
Отобразится экран 4D1.





5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию

Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки 4D1

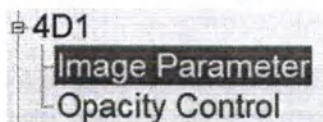
| Элемент                | Опции                                                    | Описание                                                                                                                                            |
|------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 3D Layout              | 1View<br>2Views<br>4Views                                | Настройка раскладки экрана при отображении 3D-изображения.                                                                                          |
| 3D View Select         | RefA<br>RefB<br>RefC<br>3D                               | Настройка отображения томографического изображения при установке значения 3D Layout как «2Views» или отображения изображения при установке «1View». |
| Beam Process           | STD<br>Multi                                             | Указывает настройки одновременного приема в режиме 4D.                                                                                              |
| 3D Brightness (Normal) | От 1 до 16                                               | Задаёт яркость 3D-изображения.                                                                                                                      |
| Rendering Mode         | Surface Sharp<br>MIP<br>X-ray<br>Lighted<br>Surf. Smooth | Задаёт режим построения для 3D-изображений.                                                                                                         |
| Smooth for Lighted     | Low<br>High                                              | Задаёт обработку сглаживания при установке значения Rendering Mode как «Lighted».                                                                   |

| Элемент                | Опции                                                  | Описание                                                                                                                                                         |
|------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gamma (3D)<br>(Normal) | От 1 до 16                                             | Задает уровень коррекции, до которого должны меняться яркостные характеристики ультразвуковых данных для эффективного выражения сведений об исследуемой области. |
| Smoothing (3D)         | Off<br>Low<br>Medium1<br>Medium2<br>High               | Задает уровень сглаживания для 3D-изображения.                                                                                                                   |
| Overlay Graphic        | Off<br>On                                              | Задает отображение графических элементов, в том числе метки камеры и Function Indicator на 3D-изображении и изображениях сечений.                                |
| 3D Smooth              | Off<br>On                                              | Задает обработку сглаживания для 3D-изображения.                                                                                                                 |
| Function Indicator     | Off<br>On                                              | Отображает метку, указывающую на функцию трекбола в верхнем левом углу активного изображения.                                                                    |
| 3D Orientation         | 0<br>90<br>180<br>270                                  | Задает угол ориентации при выводе на экран 3D-изображения.                                                                                                       |
| Color Map (3D)         | От А до Н                                              | Настройка цвета 3D-изображения.                                                                                                                                  |
| 3D Zoom                | 50, 60, 70, 80, 90,<br>100, 120, 140,<br>160, 180, 200 | Задает увеличение отображения изображения (%) при выводе на экран 3D-изображения.                                                                                |
| RefA,B,C Zoom          | 50, 60, 70, 80, 90,<br>100, 120, 140,<br>160, 180, 200 | Задает увеличение отображения (%) томографических изображений при выключенной функции 3D Zoom Link.                                                              |
| 3D ROI Position        | От 20 до 80                                            | Настройка процентного отношения (%) положения центра 3D ОИ к глубине отображения.                                                                                |
| 3D ROI Height          | От 25 до 100                                           | Настройка процентного отношения (%) высоты 3D ОИ к глубине отображения.                                                                                          |

## (1) Настройки Image Parameter и Opacity Control

### Процедура

1. Выберите знак [+] перед параметром [4D1] в Tree view.  
Отображаются Image Parameter и Opacity Control.



2. Выберите [Image Parameter] или [Opacity Control].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

4. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Image Parameter

| No. | 3D ROI Width | Scan Angle | Line Density | Frame Density |
|-----|--------------|------------|--------------|---------------|
| 1   | 100 %        | 100 %      | Med          | High          |
| 2   | 90 %         | 90 %       | Med          | High          |
| 3   | 85 %         | 90 %       | Med          | Med           |
| 4   | 80 %         | 80 %       | Med          | Med           |
| 5   | 75 %         | 70 %       | Med          | Med           |
| 6   | 65 %         | 60 %       | Low          | Med           |

Exit Cancel

| Элемент       | Опции              | Описание                                                                                                                               |
|---------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| No.           | От 1 до 6          | Устанавливает номер по умолчанию.                                                                                                      |
| 3D ROI Width  | От 30 до 100       | Настройка ширины 3D ОИ в виде процента (%) от максимального диапазона сканирования датчика.                                            |
| Scan Angle    | От 10 до 100       | Задаёт угол сканирования в направлении механического сканирования в виде процента (%) от максимального диапазона сканирования датчика. |
| Line Density  | Low<br>Med<br>High | Настройка плотности кадров в направлении электронного сканирования.                                                                    |
| Frame Density | Low<br>Med<br>High | Настройка плотности кадров в направлении механического сканирования.                                                                   |



## Настройки Opacity Control

| No. | Low Echo Level | High Echo Level | Power |
|-----|----------------|-----------------|-------|
| 1   | 0              | 255             | 2.6   |
| 2   | 0              | 255             | 2.4   |
| 3   | 0              | 255             | 2.2   |
| 4   | 0              | 255             | 2.1   |
| 5   | 0              | 255             | 2.0   |
| 6   | 0              | 255             | 1.9   |
| 7   | 0              | 255             | 1.8   |
| 8   | 0              | 255             | 1.7   |

| Элемент         | Опции         | Описание                                                                                                                                                                                                                                       |
|-----------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.             | От 1 до 16    | Устанавливает номер по умолчанию.                                                                                                                                                                                                              |
| Low Echo Level  | От 0 до 125   | Установка уровня удаления гипоехогенных шумов.<br>ПРИМЕЧАНИЕ: Для 3D-изображения применяется наибольшее из двух значений (это значение или гипоехогенный уровень Lower Threshold).                                                             |
| High Echo Level | От 80 до 255  | Установка уровня эхо-сигнала для визуализации. Чем выше заданный уровень, тем менее контрастным будет 3D-изображение. Чем ниже заданный уровень, тем более контрастным будет 3D-изображение.                                                   |
| Power           | От 1.0 до 3.0 | Настройка вогнутых и выпуклых областей кривой уровня эхо-сигнала для визуализации. При настройке «1,0» выполняется построение прямой линии. Чем больше число, тем более крутой будет вогнутая область, делая 3D-изображение менее контрастным. |

### 9.6.30 4D2

Параметры, связанные с 4D.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [4D2] из Tree View.  
Отобразится экран 4D2.



Initialize No : 31

Name : Breast Application : Breast

|                            |                             |                            |
|----------------------------|-----------------------------|----------------------------|
| 3D View Direction<br>Front | 3D Zoom Link<br>Off         | 3D Image Display<br>Enable |
| Glossy Level (Normal)<br>0 | Depth Attenu. (Normal)<br>3 | Inversion Mode<br>Off      |
| 3D Brightness (Inv.)<br>4  | Gamma (3D) (Inv.)<br>5      | Glossy Level (Inv.)<br>6   |
| Depth Attenu. (Inv.)<br>3  | Placenta Rejection<br>Off   | 3D View Guide<br>On        |
| Volume Correlation<br>Off  | Lower Threshold<br>0        | 3D Surface<br>Off          |
| 3D Edge Contrast<br>Off    | 3D Edge Sens.<br>1          |                            |

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки 4D2

| Элемент                | Опции                                           | Описание                                                                                                                      |
|------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 3D View Direction      | Top<br>Bottom<br>Front<br>Back<br>Left<br>Right | Задаёт проекцию при выводе на экран 3D-изображения.                                                                           |
| 3D Zoom Link           | Off<br>On                                       | Задаёт связь функции масштабирования между 3D-изображением и томографическими изображениями.                                  |
| 3D Image Display       | Enable                                          | Отображает 3D-изображение в режиме 4Views.                                                                                    |
|                        | Disable                                         | Скрывает 3D-изображение в 4Views. Вывод 3D-изображение на экран в других проекциях, кроме 4Views.                             |
| Glossy Level (Normal)  | От 0 до 10                                      | Задаёт уровень глянца для 3D-изображения.                                                                                     |
| Depth Attenu. (Normal) | От 1 до 10                                      | Задаёт уровень, до которого меняется яркость в направлении глубины 3D-изображения, добавляет к изображению трёхмерный эффект. |
| Inversion Mode         | Off<br>On                                       | Задаёт необходимость инвертирования отображения яркости 3D-изображения.                                                       |

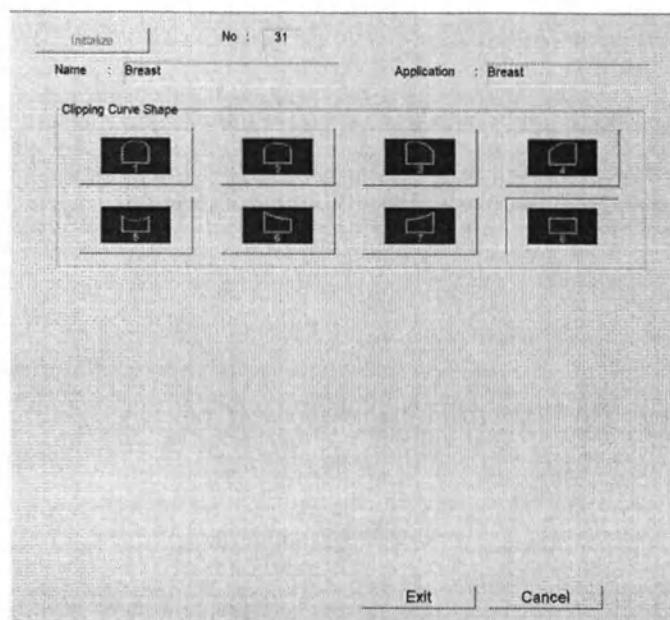
| Элемент              | Опции              | Описание                                                                                                                                                                                                |
|----------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3D Brightness (Inv.) | От 1 до 16         | Задаёт яркость 3D-изображения в режиме Inversion Mode.                                                                                                                                                  |
| Gamma (3D) (Inv.)    | От 1 до 16         | Задаёт уровень коррекции, до которого будут изменяться яркостные характеристики ультразвуковых данных в режиме Inversion Mode для эффективного выражения сведений об исследуемой области.               |
| Glossy Level (Inv.)  | От 0 до 10         | Задаёт уровень сглаживания и глянца, которые будут добавлены к 3D-изображению в режиме Inversion Mode.                                                                                                  |
| Depth Attenu. (Inv.) | От 1 до 10         | Задаёт уровень глянца 3D-изображения в режиме Inversion Mode.                                                                                                                                           |
| Placenta Rejection   | Off                | Отключает функцию Placenta Rejection.                                                                                                                                                                   |
|                      | Auto<br>От 1 до 10 | Задаёт непрозрачность от границы со стороны обзора Clipper.                                                                                                                                             |
| 3D View Guide        | Off<br>On          | Задаёт необходимость отображения 3D View Guide.                                                                                                                                                         |
| Volume Correlation   | Off<br>On          | Усредняет данные в направлении вперед и назад во время сбора 3D-данных.                                                                                                                                 |
| Lower Threshold      | От 0 до 125        | Установка уровня удаления гипозоногенных шумов на 3D-изображениях.<br>ПРИМЕЧАНИЕ: Для 3D-изображения применяется наибольшее из двух значений (это значение или гипозоногенный уровень Opacity Control). |
| 3D Surface           | Off                | Отключает функцию 3D Surface.                                                                                                                                                                           |
|                      | От 1 до 5          | Задаёт сглаживание 3D-изображения.                                                                                                                                                                      |
| 3D Edge Contrast     | Off                | Отключает функцию 3D Edge Contrast.                                                                                                                                                                     |
|                      | От 1 до 10         | Задаёт контраст 3D-изображения.                                                                                                                                                                         |
| 3D Edge Sens.        | От 1 до 10         | Задаёт контраст при настройке 3D Edge Contrast.                                                                                                                                                         |

### 9.6.31 4D3

Параметры, связанные с 4D.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [4D3] из Tree View.  
Отобразится экран 4D3.



5. Измените настройки элемента.

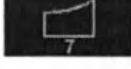
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки 4D3

| Элемент              | Опции                                                                               | Описание                   |
|----------------------|-------------------------------------------------------------------------------------|----------------------------|
| Clipping Curve Shape |  | Задаёт форму Clipping Box. |
|                      |  |                            |
|                      |  |                            |
|                      |  |                            |
|                      |  |                            |
|                      |  |                            |
|                      |  |                            |
|                      |  |                            |



## 9.6.32 4Dshading

Параметры, связанные с 4Dshading.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [4Dshading] из Tree View.  
Отобразится экран 4Dshading.

Initialize No : 31

Name : Breast Application : Breast

4Dshading Off Back Lighting Zone 7 Front Lighting Zone 7

Shadowing 4

Lower Threshold 50 Gamma (3D) 6 Smoothing (3D) High

Exit Cancel

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки 4Dshading

| Элемент            | Опции      | Описание                                                           |
|--------------------|------------|--------------------------------------------------------------------|
| 4Dshading          | Off<br>On  | Указывает настройки для запуска 3D-отображения в режиме 4Dshading. |
| Back Lighting Zone | От 0 до 10 | Задаёт яркость задней части при включенном режиме 4Dshading.       |

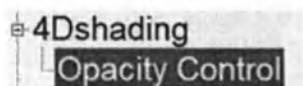


| Элемент             | Опции                                    | Описание                                                                                                                                                                 |
|---------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Front Lighting Zone | От 0 до 10                               | Задаёт яркость передней части 3D-изображения при включенном режиме 4Dshading.                                                                                            |
| Shadowing           | От 0 до 10                               | Задаёт направленность света при включенном режиме 4Dshading.                                                                                                             |
| Lower Threshold     | От 0 до 125                              | Задаёт удаление гипозоногенного шума на изображениях режима 4Dshading.                                                                                                   |
| Gamma (3D)          | От 1 до 16                               | Задаёт уровень коррекции, до которого будут изменены яркостные характеристики изображения в режиме 4Dshading для эффективного выражения сведений об исследуемой области. |
| Smoothing (3D)      | Off<br>Low<br>Medium1<br>Medium2<br>High | Задаёт уровень сглаживания для изображения в режиме 4Dshading.                                                                                                           |

## (1) Настройки Opacity Control

### Процедура

1. Выберите знак [+] перед параметром [4Dshading] в Tree view.  
Будет отображен Opacity Control.



2. Выберите [Opacity Control].
3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Opacity Control

Application : Breast

| No. | Low Echo Level | High Echo Level | Power |
|-----|----------------|-----------------|-------|
| 1   | 0              | 190             | 2.6   |
| 2   | 0              | 190             | 2.4   |
| 3   | 0              | 190             | 2.3   |
| 4   | 0              | 190             | 2.2   |
| 5   | 0              | 190             | 2.1   |
| 6   | 0              | 190             | 2.0   |
| 7   | 0              | 190             | 1.9   |
| 8   | 0              | 190             | 1.8   |

Prev Next Exit Cancel

| Элемент         | Опции         | Описание                                                                                                                                                                                                                                       |
|-----------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.             | От 1 до 16    | Устанавливает номер по умолчанию.                                                                                                                                                                                                              |
| Low Echo Level  | От 0 до 125   | Установка уровня удаления гипоехогенных шумов.<br>ПРИМЕЧАНИЕ: Для 3D-изображения применяется наибольшее из двух значений (это значение или гипоехогенный уровень Lower Threshold).                                                             |
| High Echo Level | От 80 до 255  | Установка уровня эхо-сигнала для визуализации. Чем выше заданный уровень, тем менее контрастным будет 3D-изображения. Чем ниже заданный уровень, тем более контрастным будет 3D-изображение.                                                   |
| Power           | От 1.0 до 3.0 | Настройка вогнутых и выпуклых областей кривой уровня эхо-сигнала для визуализации. При настройке «1,0» выполняется построение прямой линии. Чем больше число, тем более крутой будет вогнутая область, делая 3D-изображение менее контрастным. |

### 9.6.33 HI DEF 3D

Задаёт настройки, относящиеся к HI DEF 3D.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [HI DEF 3D] из Tree View.  
Отобразится экран HI DEF 3D.

Initialize No : 31

Name : Breast Application : Breast

3D ROI Height 70 % 3D ROI Position 50 % 3D ROI Width 100 %

Scan Angle 100 % Line Density High Frame Density High

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки HI DEF 3D

| Элемент         | Опции              | Описание                                                                                                                               |
|-----------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 3D ROI Height   | От 25 до 100       | Настройка процентного отношения (%) высоты 3D ОИ к глубине отображения.                                                                |
| 3D ROI Position | От 20 до 80        | Настройка процентного отношения (%) положения центра 3D ОИ к глубине отображения.                                                      |
| 3D ROI Width    | От 30 до 100       | Настройка ширины ОИ в виде процента (%) от максимального диапазона сканирования датчика.                                               |
| Scan Angle      | От 10 до 100       | Задаёт угол сканирования в направлении механического сканирования в виде процента (%) от максимального диапазона сканирования датчика. |
| Line Density    | Low<br>Med<br>High | Настройка плотности кадров в направлении электронного сканирования.                                                                    |
| Frame Density   | Low<br>Med<br>High | Настройка плотности кадров в направлении механического сканирования.                                                                   |

### 9.6.34 DISP-CHI, FI

Задаёт настройки, относящиеся к режиму CHI.



## Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [DISP-CHI, FI] из Tree View.  
Отобразится экран DISP-CHI, FI.

Initialize No : 33

Name : Adult Abd. Application : Adult Abd.

CHI Method : TrC (A.M.) Monitor Mode : On Color Map (CHI) : D

Color Map (FI) : Gray Flash Time : 2.0 sec Flash Link : Off

Counter Link : Off

Exit Cancel

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки DISP-CHI, FI

| Элемент      | Опции                    | Описание                                                                                                                               |
|--------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| CHI Method   | WbC (P.I.)<br>TrC (A.M.) | Устанавливает метод для передачи и получения изображений контрастной гармонической визуализации.                                       |
| Monitor Mode | Off                      | Устанавливает отображение только изображений контрастной гармонической визуализации.                                                   |
|              | On                       | Устанавливает отображение изображения контрастной гармонической визуализации на одном, а изображения базовой частоты на втором экране. |



| Элемент         | Опции         | Описание                                                                                                                                                              |
|-----------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color Map (CHI) | Gray          | Устанавливает отображение изображения контрастной гармонической визуализации без добавления цвета.                                                                    |
|                 | A             | Устанавливает отображение изображения контрастной гармонической визуализации с добавлением цветов от синего до оранжевого.                                            |
|                 | B             | Устанавливает отображение изображения контрастной гармонической визуализации с добавлением синего цвета.                                                              |
|                 | C             | Устанавливает отображение изображения контрастной гармонической визуализации с добавлением синего цвета, более светлого, чем в режиме "B".                            |
|                 | D             | Устанавливает отображение изображения контрастной гармонической визуализации с добавлением оранжевого цвета.                                                          |
|                 | E             | Устанавливает кодирование яркостных характеристик коричневым цветом.                                                                                                  |
|                 | F             | Устанавливает кодирование яркостных характеристик коричневым цветом, слабее используемого для "E".                                                                    |
|                 | G             | Устанавливает кодирование яркостных характеристик синим и желтым цветом.                                                                                              |
| Color Map (FI)  | Gray          | Устанавливает отображение изображения базовой частоты без добавления цвета.                                                                                           |
|                 | A             | Устанавливает отображение изображения базовой частоты с добавлением цветов от синего до оранжевого.                                                                   |
|                 | B             | Устанавливает отображение изображения базовой частоты с добавлением синего цвета.                                                                                     |
|                 | C             | Устанавливает отображение изображения базовой частоты с добавлением синего цвета, более светлого, чем в режиме "B".                                                   |
|                 | D             | Устанавливает отображение изображения базовой частоты с добавлением оранжевого цвета.                                                                                 |
|                 | E             | Устанавливает кодирование яркостных характеристик коричневым цветом.                                                                                                  |
|                 | F             | Устанавливает кодирование яркостных характеристик коричневым цветом, слабее используемого для "E".                                                                    |
|                 | G             | Устанавливает кодирование яркостных характеристик синим и желтым цветом.                                                                                              |
| Flash Time      | От 0.5 до 3.0 | Устанавливает длительность передачи с высоким акустическим давлением с шагом по 0,5 с (0.5 sec).                                                                      |
| Flash Link      | Off<br>On     | Устанавливает настройку, в соответствии с которой система начинает накапливать изображения после передачи с высоким акустическим давлением с помощью функции [Flash]. |

Предустановки

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| Элемент      | Опции     | Описание                                                                                                         |
|--------------|-----------|------------------------------------------------------------------------------------------------------------------|
| Counter Link | Off<br>On | Устанавливает настройку, согласно которой при достижении счетчиком значения On начинается запись видеофрагмента. |

### 9.6.35 Image-CHI, FI1

Задаёт настройки, относящиеся к режиму CHI.

#### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Image-CHI, FI1] из Tree View.  
Отобразится экран Image-CHI, FI1.

The screenshot shows a configuration window titled 'Image-CHI, FI1'. It contains several sections of settings:

- Name:** Adult Abd.
- Application:** Adult Abd.
- Power Control:** MI Control (CHI) [0, 10] and % Control (CHI) [10] %
- Monitor Level:** [70] %
- Gain:** Gain (CHI) [80] dB and Gain (FI) [80] dB
- Tx Frequency:** Tx Frequency (WBG) [Standard], Tx Frequency (TIC) [Resolution], and Tx Frequency (FI) [Standard]
- Line Density:** Line Density (CHI) [High], Line Density (FI) [High], and Frame Rate Limit [Off]
- Persistence Type:** Persistence Type (CHI) [Manual] and Persistence Type (FI) [Manual]

At the bottom right, there are 'Exit' and 'Cancel' buttons.

5. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
6. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Image-CHI, FI1

| Элемент            | Опции                   | Описание                                                                                                                                                                             |
|--------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Control      | MI Control<br>% Control | Выполняет переключение между управлением по MI и управлением по выходной мощности ультразвука.                                                                                       |
| MI Control (CHI)   | От 0.00 до 1.85         | Устанавливает значение MI для изображений контрастной гармонической визуализации, если для параметра [Power Control] установлено значение "MI Control".                              |
| % Control (CHI)    | От 0 до 100             | Устанавливает значение выходной мощности ультразвука (%) для изображений контрастной гармонической визуализации, если для параметра [Power Control] установлено значение "%Control". |
| Monitor Level      | От 5 до 100             | Устанавливает значение Acoustic Power для изображений базовой частоты.                                                                                                               |
| Gain (CHI)         | От 10 до 90             | Устанавливает усиление изображений контрастной гармонической визуализации.                                                                                                           |
| Gain (FI)          | От 10 до 90             | Устанавливает усиление изображений базовой частоты.                                                                                                                                  |
| Tx Frequency (WbC) | Penetration             | Устанавливает частоту передачи для изображения CHI-WbC (P.I.) на самое низкое значение.                                                                                              |
|                    | Standard                | Устанавливает частоту передачи для изображения CHI-WbC (P.I.) на низкое значение.                                                                                                    |
|                    | Resolution              | Устанавливает частоту передачи для изображения CHI-WbC (P.I.) на высокое значение.                                                                                                   |
|                    | High                    | Устанавливает частоту передачи для изображения CHI-WbC (P.I.) на самое высокое значение.                                                                                             |
| Tx Frequency (TrC) | Penetration             | Устанавливает частоту передачи для изображения CHI-TrC (A.M.) на самое низкое значение.                                                                                              |
|                    | Standard                | Устанавливает частоту передачи для изображения CHI-TrC (A.M.) на низкое значение.                                                                                                    |
|                    | Resolution              | Устанавливает частоту передачи для изображения CHI-TrC (A.M.) на высокое значение.                                                                                                   |
|                    | High                    | Устанавливает частоту передачи для изображения CHI-TrC (A.M.) на самое высокое значение.                                                                                             |
| Tx Frequency (FI)  | Penetration             | Устанавливает частоту передачи для изображения базовой частоты на самое низкое значение.                                                                                             |
|                    | Standard                | Устанавливает частоту передачи для изображения базовой частоты на низкое значение.                                                                                                   |
|                    | Resolution              | Устанавливает частоту передачи для изображения базовой частоты на высокое значение.                                                                                                  |
|                    | High                    | Устанавливает частоту передачи для изображения базовой частоты на самое высокое значение.                                                                                            |
| Line Density (CHI) | Low<br>Medium<br>High   | Устанавливает плотность линий сканирования для изображения контрастной гармонической визуализации. Количество линий сканирования увеличивается в порядке "Low", "Medium" и "High".*1 |

### Предустановки

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| Элемент                | Опции                          | Описание                                                                                                                                                          |
|------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Density (FI)      | Low<br>Medium<br>High          | Устанавливает плотность линий сканирования для изображения базовой частоты.<br>Количество линий сканирования увеличивается в порядке "Low", "Medium" и "High". *1 |
| Frame Rate Limit       | Off<br>15 Hz<br>30 Hz<br>60 Hz | Устанавливает предельную частоту кадров для изображений контрастной гармонической визуализации.                                                                   |
| Persistence Type (CHI) | Auto<br>Manual                 | Устанавливает обработку корреляции кадров для изображений контрастной гармонической визуализации. *1                                                              |
| Persistence Type (FI)  | Auto<br>Manual                 | Устанавливает обработку корреляции кадров для изображений базовой частоты. *1                                                                                     |

\*1

При использовании Monitor Mode установленное значение является общим для изображений контрастной гармонической визуализации и изображений базовой частоты, применяется значение, установленное для изображений контрастной гармонической визуализации.

## 9.6.36 Image-CHI, FI2

Задаёт настройки, относящиеся к режиму CHI.

### Процедура

1. Выберите [Preset] на вкладке [Accessories] в меню функций.
2. Выберите [Set-Up].  
Отображается список выбора предустановок настроек.
3. Выберите предустановку из списка Name.  
Будет отображено Preset Set-Up Menu для выбранной предустановки.
4. Выберите [Image-CHI, FI2] из Tree View.  
Отобразится экран Image-CHI, FI2.



Initialize No : 33

Name : Adult Abd. Application : Adult Abd.

|                    |                     |                     |
|--------------------|---------------------|---------------------|
| FTC (CHI)          | FTC (FI)            | AIP (CHI/FI)        |
| Off                | Off                 | Off                 |
| SIP (CHI/FI)       | SIP Effect (CHI/FI) | Smoothing (CHI/FI)  |
| On                 | B                   | 1                   |
| Persistence (CHI)  | Persistence (FI)    | Dynamic Range (CHI) |
| 1                  | 1                   | 45                  |
| Dynamic Range (FI) | AGC (CHI)           | AGC (FI)            |
| 57                 | Off                 | Off                 |
| Relief (CHI)       | Relief (FI)         | Gray Map (CHI)      |
| Off                | Off                 | Linear              |
| Gray Map (FI)      |                     |                     |
| C                  |                     |                     |

Exit Cancel

5. Измените настройки элемента.

Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].

6. Выберите [Exit].

Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.

Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

## Настройки Image-CHI, FI2

| Элемент             | Опции       | Описание                                                                                                                                           |
|---------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| FTC (CHI)           | Off<br>On   | Устанавливает выполнение обработки изображения, направленной на усиление и выделение краев на изображениях контрастной гармонической визуализации. |
| FTC (FI)            | Off<br>On   | Устанавливает выполнение обработки изображения, направленной на усиление и выделение краев на изображениях базовой частоты.                        |
| AIP (CHI/FI)        | Off<br>On   | Устанавливает необходимость использования фильтра изображения AIP.                                                                                 |
| SIP (CHI/FI)        | Off<br>On   | Устанавливает необходимость использования фильтра изображения SIP.                                                                                 |
| SIP Effect (CHI/FI) | A<br>B<br>C | Отображает уровень фильтра изображения SIP.                                                                                                        |
| Smoothing (CHI/FI)  | Off         | Устанавливает отображение изображений без корреляции направлений сканирования на одной глубине.                                                    |
|                     | От 1 до 15  | Устанавливает корреляцию направлений сканирования на одной глубине и устанавливает уровень для создания сглаженного изображения.                   |

| Элемент             | Опции                        | Описание                                                                                                                        |
|---------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Persistence (CHI)   | Off                          | Переводит функцию обработки корреляции между кадрами изображения контрастной гармонической визуализации в состояние "Off".      |
|                     | От 1 до 15                   | Устанавливает уровень обработки корреляции между кадрами изображения контрастной гармонической визуализации.*1                  |
| Persistence (FI)    | Off                          | Переводит функцию обработки корреляции между кадрами изображения базовой частоты в состояние "Off".                             |
|                     | От 1 до 15                   | Устанавливает уровень обработки корреляции между кадрами изображения базовой частоты.*1                                         |
| Dynamic Range (CHI) | От 36 до 96                  | Устанавливает динамический диапазон изображений контрастной гармонической визуализации.                                         |
| Dynamic Range (FI)  | От 36 до 96                  | Устанавливает динамический диапазон изображений базовой частоты.                                                                |
| AGC (CHI)           | Off                          | Переводит функцию выделения границ ткани в состояние "Off".                                                                     |
|                     | От 1 до 15                   | Устанавливает уровень выделения границ ткани.                                                                                   |
| AGC (FI)            | Off                          | Переводит функцию выделения границ ткани в состояние "Off".                                                                     |
|                     | От 1 до 15                   | Устанавливает уровень выделения границ ткани.                                                                                   |
| Relief (CHI)        | Off<br>Low<br>Medium<br>High | Устанавливает улучшение качества границ для изображений контрастной гармонической визуализации.                                 |
| Relief (FI)         | Off<br>Low<br>Medium<br>High | Устанавливает улучшение качества границ для изображений базовой частоты.                                                        |
| Gray Map (CHI)      | Linear<br>A<br>B<br>C<br>D   | Устанавливает поправочную кривую, соответствующую яркостным характеристикам изображений контрастной гармонической визуализации. |
| Gray Map (FI)       | Linear<br>A<br>B<br>C<br>D   | Устанавливает поправочную кривую, соответствующую яркостным характеристикам изображений базовой частоты.                        |

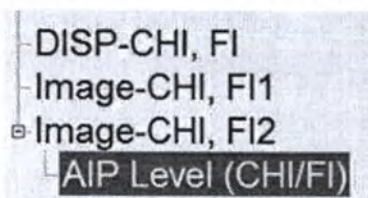
\*1

При использовании Monitor Mode установленное значение является общим для изображений контрастной гармонической визуализации и изображений базовой частоты, применяется значение, установленное для изображений контрастной гармонической визуализации.

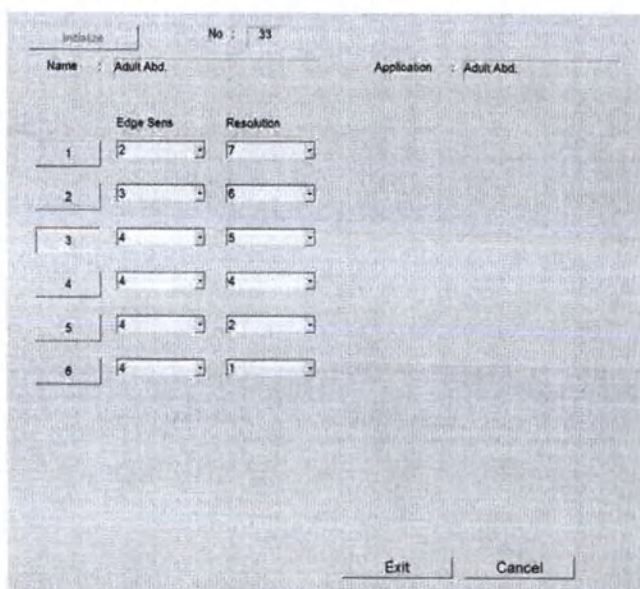
## (1) Настройки AIP Level (CHI/FI)

### Процедура

1. Выберите знак [+], отображаемый перед параметром Image-CHI, FI2 в Tree view.  
Отображает Tree View для AIP Level (CHI/FI).



2. Выберите [AIP Level (CHI/FI)] из Tree View.  
Отобразится экран AIP Level (CHI/FI).



3. Измените настройки элемента.  
Для возврата к положению заводской настройки по умолчанию  
Выберите [Initialize].
4. Выберите [Exit].  
Это действие финализирует измененные настройки и повторно отображает список выбора предустановок настроек.  
Выберите [Cancel], чтобы сбросить изменения и вернуться к списку выбора предустановок настроек.

### Настройки AIP Level (CHI/FI)

| Элемент   | Опции     | Описание                                                                                              |
|-----------|-----------|-------------------------------------------------------------------------------------------------------|
| No.       | От 1 до 6 | Устанавливает номер по умолчанию.                                                                     |
| Edge Sens | От 1 до 8 | Устанавливает уровень чувствительности при выявлении пограничных областей с разными характеристиками. |



| Элемент    | Опции     | Описание                                                                                                                                                           |
|------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution | От 1 до 8 | Устанавливает приоритет между функциями улучшения пространственного разрешения или устранения зернистости. Увеличение уровня улучшает пространственное разрешение. |



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«EC REP» означает название и адрес уполномоченного представителя  
в Европейском сообществе.

Registered No. 303

## NOTARIAL CERTIFICATE

This is to certify that FUKUDA Hirokazu signed the attached document in my presence on this 24th day of July, 2023.



A handwritten signature in black ink, appearing to read "Abe Hiromi". The signature is written in a cursive style with a large initial "A" and a long horizontal stroke extending to the right.

ABE Hiromi

Зарегистрированно №303

Нотариальное свидетельство

Настоящим удостоверяю, что ФУКУДА Хиродзаку подписал прилагаемый документ в моем присутствии 24 июля 2023 г.

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Перевод данного текста выполнен переводчиком Юдиным Юрием Константиновичем.

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Зарегистрировано в реестре: № 21/86-н/77-2023- 40 - 2522

Уплачено за совершение нотариального действия: 400 руб. 00 коп.



Е.С. Рак

Пронумеровано, пронумеровано и скреплено печатью 194 лист(-а,-ов).

Е.С. Рак

