

# SUPERSONIC MACH40™

## Acoustic Table Guide



Acoustic Table Guide Ref.:

PM.LAB.173-A  
October 2020



# Table of Contents

- 1. Acoustic Table Guide ..... 1**
- Maximal Temperature Data ..... 3**
- Table of Symbols used in Acoustic Output Reporting ..... 3**
- Detailed Acoustic Output Tables ..... 4**
- Acoustic Output Transducer/Mode Summary Table ..... 4
- Measurement Uncertainties ..... 5
- Acoustic Output Detailed Tables ..... 6



# 1 Acoustic Table Guide



# Maximal Temperature Data

The table below provides the maximal temperature increase that may be reached for each transducer.

| Transducer Name | Maximal temperature | Test Method   |
|-----------------|---------------------|---------------|
| L18-5           | 21.6°C              | Still air     |
| C6-1X           | 19.4°C              | Still air     |
| C9-2X           | 22.9°C              | Still air     |
| E12-3           | 5.5°C               | Simulated use |
| LV16-5          | 18.45°C             | Still air     |
| L10-2           | 20.1°C              | Still air     |
| MC12-3          | 18.5°C              | Still air     |
| P5-1X           | 8.2°C               | Simulated use |
| LH20-6          | 6.4°C               | Simulated use |

# Table of Symbols used in Acoustic Output Reporting

The following symbols are used in the acoustic reporting tables below:

| Symbol            | Term  |
|-------------------|---|
| $f_{awf}$         | acoustic working frequency                          |
| $I_{pa,\alpha}$   | attenuated pulse-average intensity                  |
| $I_{spta}$        | spatial-peak, temporal-average intensity            |
| $I_{spta,\alpha}$ | attenuated spatial-peak, temporal-average intensity |
| MI                | mechanical index                                    |
| $\eta_{pps}$      | number of pulses per ultrasonic scan line           |
| P                 | output power  |
| $p_{1x1}$         | bounded-square output power                         |
| $p_{r,\alpha}$    | attenuated peak-rarefactional acoustic pressure     |

| Symbol           | Term   |
|------------------|--|
| $p_r$            | peak-rarefactional acoustic pressure               |
| prf              | pulse repetition frequency                         |
| srr              | scan repetition rate                               |
| TI               | thermal index                                      |
| TIB              | bone thermal index                                 |
| TIC              | cranial-bone thermal index                         |
| TIS              | soft-tissue thermal index                          |
| $z_b$            | depth for bone thermal index                       |
| $z_{MI}$         | depth for mechanical index                         |
| $z_{pii,\alpha}$ | depth for peak attenuated pulse intensity integral |
| $z_s$            | depth for soft-tissue thermal index                |

## Detailed Acoustic Output Tables

### Acoustic Output Transducer/ Mode Summary Table

The SUPERSONIC MACH 40 system complies with IEC 60601-2-37 standard.

The following table summarizes the transducer/mode combinations for which the global maximum displayed MI or TI is greater than 1.0.



Table 1.1. Transducer/mode combinations for which the global maximum displayed MI or TI is greater than 1.0

| Operating Mode            | Transducers |       |        |       |        |       |        |       |       |
|---------------------------|-------------|-------|--------|-------|--------|-------|--------|-------|-------|
|                           | L18-5       | E12-3 | LV16-5 | L10-2 | MC12-3 | P5-1X | LH20-6 | C6-1X | C9-2X |
| B-mode                    | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| Pulsed Doppler            | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| Color Doppler             | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| Amplitude Doppler         | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| Directional Color Doppler | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| SWE™ Mode                 | ☒           | ☒     | ☒      | ☒     | ☒      |       |        | ☒     | ☒     |
| B-Mode + Pulsed Doppler   | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| Harmonic Imaging          | ☒           | ☒     | ☒      | ☒     | ☒      | ☒     | ☒      | ☒     | ☒     |
| CEUS                      |             |       |        |       |        |       |        | ☒     | ☒     |
| B-mode + 3D               |             |       | ☒      |       |        |       |        |       |       |
| SWE™ + 3D                 |             |       | ☒      |       |        |       |        |       |       |
| M-mode                    |             | ☒     |        |       |        | ☒     |        | ☒     | ☒     |
| CW mode                   |             |       |        |       |        | ☒     |        |       |       |

## Measurement Uncertainties

The reported expanded uncertainty for the display of mechanical and thermal indices is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a coverage probability of approximately 95%.

At the above uncertainty level, the accuracy result for the Mechanical Index (MI) is +/-19.3% and the accuracy result for the Thermal Index (TI) is +/-53.1%.

| Acoustic Quantity                     | Measurement Uncertainty |
|---------------------------------------|-------------------------|
| Power (P)                             | +/- 53.1 %              |
| Pressure ( $p_{r,\alpha}$ )           | +/- 19.3 %              |
| Intensity ( $I_{pi\alpha}$ at max MI) | +/- 53.1 %              |
| Center frequency ( $f_{awf}$ )        | +/- 1 %                 |

## Acoustic Output Detailed Tables

For each transducer/mode combination in the table above which is checked, a detailed acoustic output table has been provided on the following pages.

The probes for which TIC is marked with (b) are not intended for transcranial or neonatal cephalic uses.

# L18-5

## L18-5 B-MODE

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |     |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|-----|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |     |
| <b>Maximum Index Value</b>  | <b>1,5</b>              | <b>0,99</b> |               | <b>1,28</b> |               | <b>1,28</b> |     |
| Index Component Value   |                         | 0,99        | 0,99          | 1,28        | 0,99          |             |     |
| <b>Associated Acoustic Parameters</b>   | pr,a@zMI (Mpa)          | 2,8         |               |             |               |             |     |
|   | W0 (mW)                 |             | 52,16         |             | 52,16         | 52,2        |     |
|   | W1x1 (mW)               |             | 3,43          |             | 3,43          |             |     |
|   | zs (cm)                 |             |               | 0,2         |               |             |     |
|   | zb (cm)                 |             |               |             |               | 0,5         |     |
|   | zMI (cm)                | 1,6         |               |             |               |             |     |
|   | zpii,a (cm)             | 1,6         |               |             |               |             |     |
| fawf (MHz)  | 3,75                    |             | 4,25          |             | 4,25          | 4,25        |     |
| <b>Other Information</b>  | prr (Hz)                | 690         |               |             |               |             |     |
|   | srr (Hz)                | 69          |               |             |               |             |     |
|   | npps                    | 10          |               |             |               |             |     |
|   | lpa,a@zpii,a (W/cm2)    | --          |               |             |               |             |     |
|   | lspta,a@zpii,a (mW/cm2) | 56,50       |               |             |               |             |     |
|   | lspta@zpii (mW/cm2)     | 84,82       |               |             |               |             |     |
| pr@zpii (Mpa)   | 3,49                    |             |               |             |               |             |     |
| <b>Operating control conditions</b>   | Condition 1             | MI          |               |             |               |             |     |
|   | Condition 2             |             | TIS           |             | TIB           |             | TIC |
|   | Condition 3             |             |               |             |               |             |     |
|   | Condition 4             |             |               |             |               |             |     |
| Condition 1: B: General, B mode THI, Focal zone 37 mm, PEN, SuperCompound on, Acoustic Power 0 dB         |                         |             |               |             |               |             |     |
| Condition 2: B: Thyroid, B mode Fundamental, Focal zone 4 mm, PEN, SuperCompound off, Acoustic Power 0 dB |                         |             |               |             |               |             |     |
|   |                         |             |               |             |               |             |     |

# L18-5 COLOR DOPPLER

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>0,7</b> | <b>0,27</b> |               | <b>0,27</b> |               | <b>0,11</b> |
| Index Component Value  |                         |            | 0,27        | 0,27          | 0,15        | 0,27          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 1,8        |             |               |             |               |             |
|  | W0 (mW)                 |            | 6,57        |               | 6,57        |               | 5,1         |
|  | W1x1 (mW)               |            | 0,29        |               | 0,29        |               |             |
|  | zs (cm)                 |            |             | 0,61          |             |               |             |
|  | zb (cm)                 |            |             |               |             | 0,59          |             |
|  | zMI (cm)                | 1,8        |             |               |             |               |             |
|  | zpii.a (cm)             | 2,0        |             |               |             |               |             |
|  | fawf (MHz)              | 9,6        | 9,625       |               | 9,625       |               | 9,625       |
| <b>Other Information</b>   | prr (Hz)                | 135        |             |               |             |               |             |
|  | srr (Hz)                | 135        |             |               |             |               |             |
|  | npps                    | 1          |             |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 124,9      |             |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 54,11      |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 105,88     |             |               |             |               |             |
|  | pr@zpii (Mpa)           | 2,91       |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         | TIS         |               | TIB         |               | TIC         |
|  | Condition 2             |            |             |               |             |               |             |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: B: Thyroid, B mode Harmonic, Focal zone 14 mm, PEN, SuperCompound on, Acoustic Power 0 dB |                         |            |             |               |             |               |             |
|  |                         |            |             |               |             |               |             |
|  |                         |            |             |               |             |               |             |

# L18-5 SWE

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,9</b> | <b>0,86</b> |               | <b>2,81</b> |               | <b>1,40</b> |
| Index Component Value  |                         |            | 0,86        | 0,51          | 1,00        | 2,81          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 4,1        |             |               |             |               |             |
|  | W0 (mW)                 |            | 39,52       |               | 43,92       |               | 28,8        |
|  | W1x1 (mW)               |            | 39,52       |               | 43,92       |               |             |
|  | zs (cm)                 |            |             | 1,59          |             |               |             |
|  | zb (cm)                 |            |             |               |             | 2,7           |             |
|  | zMI (cm)                | 1,3        |             |               |             |               |             |
|  | zpii.a (cm)             | 1,6        |             |               |             |               |             |
|  | fawf (MHz)              | 4,5        |             | 4,5           |             | 4,5           | 4,5         |
| <b>Other Information</b>   | prf (Hz)                | 19         |             |               |             |               |             |
|  | srf (Hz)                | 1          |             |               |             |               |             |
|  | npps                    | 19,1,109   |             |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 367,7      |             |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 4,36       |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 0,00       |             |               |             |               |             |
|  | pr@zpii (Mpa)           | 4,67       |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: Breast, SWE Box position 20 mm, Bmode: Thyroid, B mode Harmonic, Focal zone 14 mm, PEN, SuperCompound on, Acoustic Power 0 dB |                         |            |             |               |             |               |             |
| Condition 2: Breast, SWE Box position 45 mm, Bmode: Thyroid, B mode Harmonic, Focal zone 14 mm, PEN, SuperCompound on, Acoustic Power 0 dB |                         |            |             |               |             |               |             |

## L18-5 PW DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   | <b>0,7</b>              | <b>0,09</b> |               | <b>0,30</b> |               | <b>1,42</b> |
| Index Component Value  |                         | 0,09        | 0,07          | 0,17        | 0,30          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 1,5         |               |             |               |             |
|  | W0 (mW)                 |             | 3,70          | 3,70        |               | 3,7         |
|  | W1x1 (mW)               |             | 3,70          |             | 3,70          |             |
|  | zs (cm)                 |             |               | 0,81        |               |             |
|  | zb (cm)                 |             |               |             | 1,2           |             |
|  | zMI (cm)                | 1,2         |               |             |               |             |
|  | zpii.a (cm)             | 1,3         |               |             |               |             |
|  | fawf (MHz)              | 5,0         | 5             |             | 5             | 5           |
| <b>Other Information</b>   | prr (Hz)                | 805         |               |             |               |             |
|  | srr (Hz)                | N/A         |               |             |               |             |
|  | npps                    | 1           |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 59,9        |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 112,00      |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 174,25      |               |             |               |             |
| pr@zpii (Mpa)  | 1,75                    |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI          |               |             |               |             |
|  | Condition 2             |             | TIS           |             | TIB           |             |
|  | Condition 3             |             |               |             |               | TIC         |
|  | Condition 4             |             |               |             |               |             |
| Condition 1: General, Focal zone 22 mm, SV 1 mm, Scale 8 cm/s, Acoustic Power 0 dB     |                         |             |               |             |               |             |
| Condition 2: General, Focal zone 68 mm, SV 0.5 mm, Scale 110 cm/s, Acoustic Power 0 dB |                         |             |               |             |               |             |
| Condition 3: General, Focal zone 2 mm, SV 1.5 mm, Scale 190 cm/s, Acoustic Power 0 dB  |                         |             |               |             |               |             |

# L10-2

## L10-2 B-MODE

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,8</b> | <b>3,70</b> |               | <b>4,67</b> |               | <b>4,67</b> |
| Index Component Value  |                         |            | 3,70        | 3,70          | 4,67        | 3,70          |             |
| <b>Associated Acoustic Parameters</b>                                      | pr,a@zMI (Mpa)          | 3,6        |             |               |             |               |             |
|  | W0 (mW)                 |            | 177,77      |               | 177,77      |               | 177,77      |
|  | W1x1 (mW)               |            | 13,09       |               | 13,09       |               |             |
|  | zs (cm)                 |            |             | --            |             |               |             |
|  | zb (cm)                 |            |             |               |             | --            |             |
|  | zMI (cm)                | 2,0        |             |               |             |               |             |
|  | zpii,a (cm)             | 2,2        |             |               |             |               |             |
| fawf (MHz)   | 4,125                   |            | 4,5         |               | 4,5         | 4,5           |             |
| <b>Other Information</b>   | prr (Hz)                | 300        |             |               |             |               |             |
|  | srr (Hz)                | 30         |             |               |             |               |             |
|  | npps                    | 10         |             |               |             |               |             |
|  | lpa,a@zpii,a (W/cm2)    | 389,0      |             |               |             |               |             |
|  | lspta,a@zpii,a (mW/cm2) | 545,04     |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 962,53     |             |               |             |               |             |
| pr@zpii (Mpa)  | 4,73                    |            |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: Abdomen, B mode Harmonic, Supercompound, Focal 50 mm, GEN     |                         |            |             |               |             |               |             |
| Condition 2: General, B mode Harmonic, No Supercompound, Focal 115 mm, PEN |                         |            |             |               |             |               |             |
|  |                         |            |             |               |             |               |             |
|  |                         |            |             |               |             |               |             |

## L10-2 COLOR DOPPLER

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,8</b> | <b>2,34</b> |               | <b>2,64</b> |               | <b>1,16</b> |
| Index Component Value  |                         |            | 2,34        | 2,34          | 2,64        | 2,34          |             |
| <b>Associated Acoustic Parameters</b>  | pr,a@zMI (Mpa)          | 3,6        |             |               |             |               |             |
|  | W0 (mW)                 |            | 132,74      |               | 132,74      |               | 51,5        |
|  | W1x1 (mW)               |            | 2,82        |               | 2,82        |               |             |
|  | zs (cm)                 |            |             | --            |             |               |             |
|  | zb (cm)                 |            |             |               |             | --            |             |
|  | zMI (cm)                | 2,0        |             |               |             |               |             |
|  | zpii,a (cm)             | 2,2        |             |               |             |               |             |
| fawf (MHz)   | 4,125                   |            | 4           |               | 4           | 4             |             |
| <b>Other Information</b>   | prr (Hz)                | 107        |             |               |             |               |             |
|  | srr (Hz)                | 107        |             |               |             |               |             |
|  | npps                    | 1          |             |               |             |               |             |
|  | lpa,a@zpii,a (W/cm2)    | 389,0      |             |               |             |               |             |
|  | lspta,a@zpii,a (mW/cm2) | 375,36     |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 808,86     |             |               |             |               |             |
| pr@zpii (Mpa)  | 4,73                    |            |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, B mode Harmonic, Supercompound on, Focal 85 mm, Sector size Large, GEN |                         |            |             |               |             |               |             |
| Condition 2: General, B mode Harmonic, Focal max, Sector size small, GEN                     |                         |            |             |               |             |               |             |
|  |                         |            |             |               |             |               |             |
|  |                         |            |             |               |             |               |             |



# L10-2 SWE

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  | <b>1,7</b>              | <b>0,54</b> |               | <b>1,25</b> |               | <b>1,40</b> |
| Index Component Value   |                         | 0,54        | 0,34          | 0,64        | 1,25          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 3,7         |               |             |               |             |
|   | W0 (mW)                 |             | 29,39         | 29,39       |               | 29,4        |
|   | W1x1 (mW)               |             | 29,39         | 29,39       |               |             |
|   | zs (cm)                 |             |               | 1,32        |               |             |
|   | zb (cm)                 |             |               |             | 2,34          |             |
|   | zMI (cm)                | 2,1         |               |             |               |             |
|   | zpii.a (cm)             | 2,4         |               |             |               |             |
|   | fawf (MHz)              | 3,75        | 3,75          |             | 3,75          | 3,75        |
| <b>Other Information</b>  | prf (Hz)                | 19          |               |             |               |             |
|   | srf (Hz)                | 1           |               |             |               |             |
|   | npps                    | 19,1,176    |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 733,3       |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 14,85       |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 26,54       |               |             |               |             |
|   | pr@zpii (Mpa)           | 5,70        |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI          | TIS           | TIB         |               | TIC         |
|   | Condition 2             |             |               |             |               |             |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1: General, B mode Harmonic, GEN, Focal 50 mm, Sector size small, Std, SWE Box<br>Size: min height/min width, SWE Box position: up/center |                         |             |               |             |               |             |
|   |                         |             |               |             |               |             |

## L10-2 PW DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC  |
|--|-------------------------|-------------|---------------|-------------|---------------|------|
|  |                         | At surface  | Below surface | At surface  | Below surface |      |
| <b>Maximum Index Value</b>                                   | <b>1,1</b>              | <b>1,49</b> | <b>1,26</b>   | <b>4,57</b> | <b>1,65</b>   |      |
| Index Component Value  |                         | 1,49        | 1,26          | 3,62        | 4,57          |      |
| <b>Associated Acoustic Parameters</b>                        | pr,a@zMI (Mpa)          | 2,2         |               |             |               |      |
|  | W0 (mW)                 |             | 78,27         | 78,27       |               | 78,3 |
|  | W1x1 (mW)               |             | 78,27         | 78,27       |               |      |
|  | zs (cm)                 |             |               | 0,81        |               |      |
|  | zb (cm)                 |             |               |             | 1,62          |      |
|  | zMI (cm)                | 1,8         |               |             |               |      |
|  | zpii,a (cm)             | 1,9         |               |             |               |      |
|  | fawf (MHz)              | 4,00        | 4             |             | 4             | 4    |
| <b>Other Information</b>                                     | prr (Hz)                | 628         |               |             |               |      |
|  | srr (Hz)                | N/A         |               |             |               |      |
|  | npps                    | 1           |               |             |               |      |
|  | lpa,a@zpii,a (W/cm2)    | 175,7       |               |             |               |      |
|  | lspta,a@zpii,a (mW/cm2) | 109,41      |               |             |               |      |
|  | lspta@zpii (mW/cm2)     | 186,94      |               |             |               |      |
| pr@zpii (Mpa)  | 2,65                    |             |               |             |               |      |
| <b>Operating control conditions</b>                          | Condition 1             | MI          |               |             |               |      |
|  | Condition 2             |             | TIS           |             |               |      |
|  | Condition 3             |             |               | TIB         |               |      |
|  | Condition 4             |             |               |             |               | TIC  |
| Condition 1: General, Focal 50 mm, SV 3.6 cm, Scale 20 cm/s. |                         |             |               |             |               |      |
| Condition 2: General, Focal 50 mm, SV 1 cm, Scale 40 cm/s.   |                         |             |               |             |               |      |
| Condition 3: General, Focal 68 mm, SV 1.6 cm, Scale 80 cm/s. |                         |             |               |             |               |      |
| Condition 4: General, Focal 50 mm, SV 2.5 cm, Scale 40 cm/s. |                         |             |               |             |               |      |

# MC12-3

\*In the following MC12-3 tables, N.D means that the measurements are estimated.

## MC12-3 B-MODE

| Index Label   |                         | MI         | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|   |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  |                         | <b>1,7</b> | <b>0,15</b> |               | <b>0,19</b> |               | <b>0,44</b> |
| Index Component Value   |                         |            | 0,15        | 0,15          | 0,19        | 0,15          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 3,7        |             |               |             |               |             |
|   | W0 (mW)                 |            | 7,43        |               | 7,43        |               | 16,88       |
|   | W1x1 (mW)               |            | 2,88        |               | 2,88        |               |             |
|   | zs (cm)                 |            |             | N.D           |             |               |             |
|   | zb (cm)                 |            |             |               |             | N.D           |             |
|   | zMI (cm)                | 1,4        |             |               |             |               |             |
|   | zpii.a (cm)             | 1,4        |             |               |             |               |             |
|   | fawf (MHz)              | 4,875      | 4,25        |               | 4,25        |               | 4,875       |
| <b>Other Information</b>  | pr (Hz)                 | 275        |             |               |             |               |             |
|   | srr (Hz)                | 55         |             |               |             |               |             |
|   | npps                    | 5          |             |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | N.D        |             |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 40,5       |             |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 65,6       |             |               |             |               |             |
| pr@zpii (Mpa)   | 4,8                     |            |             |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI         |             |               |             |               | TIC         |
|   | Condition 2             |            | TIS         |               | TIB         |               |             |
|   | Condition 3             |            |             |               |             |               |             |
|   | Condition 4             |            |             |               |             |               |             |
| Condition 1: Thyroid, B mode Fundamental, Focal Zone 34 mm, PEN, Super Compound on, Acoustic Power 0 dB |                         |            |             |               |             |               |             |
| Condition 2: General, B mode Fundamental, Focal zone 64 mm, GEN, Acoustic Power 0 dB                    |                         |            |             |               |             |               |             |

## MC12-3 COLOR DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   | <b>1,6</b>              | <b>0,40</b> |               | <b>0,65</b> |               | <b>0,85</b> |
| Index Component Value  |                         | 0,40        | 0,40          | 0,65        | 0,38          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 3,4         |               |             |               |             |
|  | W0 (mW)                 |             | 17,30         | 16,95       |               | 20,50       |
|  | W1x1 (mW)               |             | 0,40          | 0,38        |               |             |
|  | zs (cm)                 |             |               | 0           |               |             |
|  | zb (cm)                 |             |               |             | 0             |             |
|  | zMI (cm)                | 0,7         |               |             |               |             |
|  | zpii.a (cm)             | 0,7         |               |             |               |             |
|  | fawf (MHz)              | 4,50        | 5,375         | 5,375       |               | 5,375       |
| <b>Other Information</b>   | prr (Hz)                | 330         |               |             |               |             |
|  | srr (Hz)                | 30          |               |             |               |             |
|  | npps                    | 11          |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | N.D         |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 214,2       |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 266,2       |               |             |               |             |
|  | pr@zpii (Mpa)           | 442,0       |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI          |               |             |               |             |
|  | Condition 2             |             | TIS           | TIB         |               | TIC         |
|  | Condition 3             |             |               |             |               |             |
|  | Condition 4             |             |               |             |               |             |
| Condition 1: General, B mode Fundamental, Focal zone 7 mm, GEN, Acoustic Power 0 dB  |                         |             |               |             |               |             |
| Condition 2: General, B mode Fundamental, Focal zone 22 mm, GEN, Acoustic Power 0 dB |                         |             |               |             |               |             |

# MC12-3 SWE

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,1</b> | <b>0,10</b> |               | <b>0,23</b> |               | <b>0,13</b> |
| Index Component Value  |                         |            | 0,10        | 0,07          | 0,13        | 0,23          |             |
| <b>Associated Acoustic Parameters</b>  | pr,a@zMI (Mpa)          | 2,4        |             |               |             |               |             |
|  | W0 (mW)                 |            | 4,72        |               | 4,72        |               | 4,72        |
|  | W1x1 (mW)               |            | 4,72        |               | 4,72        |               |             |
|  | zs (cm)                 |            |             | 1,205         |             |               |             |
|  | zb (cm)                 |            |             |               |             | 1,93          |             |
|  | zMI (cm)                | 2,2        |             |               |             |               |             |
|  | zpii,a (cm)             | 2,1        |             |               |             |               |             |
| fawf (MHz)   | 4,50                    |            | 4,5         |               | 4,5         |               | 4,5         |
| <b>Other Information</b>   | prr (Hz)                | 6          |             |               |             |               |             |
|  | srr (Hz)                | 1          |             |               |             |               |             |
|  | npps                    | 6,1,3      |             |               |             |               |             |
|  | lpa,a@zpii,a (W/cm2)    | 340,7      |             |               |             |               |             |
|  | lspta,a@zpii,a (mW/cm2) | 65,8       |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 122,2      |             |               |             |               |             |
| pr@zpii (Mpa)  | 3,3                     |            |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, SWE Box at 35mm, Std, B mode Harmonics, Pen, Acoustic Power 0 dB   |                         |            |             |               |             |               |             |
| Condition 2: General, SWE Box at 50mm, Std, B mode Fundamental, Gen, Acoustic Power 0 dB |                         |            |             |               |             |               |             |

## MC12-3 PW DOPPLER

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>                                      | <b>1,1</b>              | <b>1,23</b> |               | <b>1,84</b> |               | <b>1,85</b> |
| Index Component Value   |                         | 1,23        | 0,91          | 1,02        | 1,84          |             |
| <b>Associated Acoustic Parameters</b>                           | pr.a@zMI (Mpa)          | 2,3         |               |             |               |             |
|   | W0 (mW)                 |             | 57,50         | 46,50       |               | 57,50       |
|   | W1x1 (mW)               |             | 57,50         | 46,50       |               |             |
|   | zs (cm)                 |             |               | 1,16        |               |             |
|   | zb (cm)                 |             |               |             | 1,16          |             |
|   | zMI (cm)                | 0,8         |               |             |               |             |
|   | zpii.a (cm)             | 0,8         |               |             |               |             |
|   | fawf (MHz)              | 4,50        | 4,5           |             | 4,5           | 4,5         |
| <b>Other Information</b>  | prf (Hz)                | 1800        |               |             |               |             |
|   | srr (Hz)                | N/A         |               |             |               |             |
|   | npps                    | 1           |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 138,0       |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 357,0       |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 463,0       |               |             |               |             |
| pr@zpii (Mpa)   | 2,7                     |             |               |             |               |             |
| <b>Operating control conditions</b>                             | Condition 1             | MI          |               |             |               |             |
|   | Condition 2             |             | TIS           |             | TIB           | TIC         |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1: General, Focal zone 22 mm, SV 1.0 mm, Scale 6 cm/s |                         |             |               |             |               |             |
| Condition 2: General, Focal zone 68 mm, SV 2.0 mm, Scale max    |                         |             |               |             |               |             |

# P5-1X

## P5-1X B-MODE

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |     |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|-----|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |     |
| <b>Maximum Index Value</b>  | <b>1,8</b>              | <b>0,98</b> |               | <b>1,81</b> |               | <b>0,10</b> |     |
| Index Component Value   |                         | 0,98        | 0,98          | 1,81        | 0,98          |             |     |
| <b>Associated Acoustic Parameters</b>   | pr,a@zMI (Mpa)          | 2,3         |               |             |               |             |     |
|   | W0 (mW)                 |             | 3,82          |             | 3,82          | 12,28       |     |
|   | W1x1 (mW)               |             | 3,45          |             | 3,45          |             |     |
|   | zs (cm)                 |             |               | --          |               |             |     |
|   | zb (cm)                 |             |               |             |               | --          |     |
|   | zMI (cm)                | 3,5         |               |             |               |             |     |
|   | zpii,a (cm)             | 3,5         |               |             |               |             |     |
| fawf (MHz)  | 1,7                     | 1,7         |               | 1,7         |               | 1,7         |     |
| <b>Other Information</b>  | prr (Hz)                | 94          |               |             |               |             |     |
|   | srr (Hz)                | 9           |               |             |               |             |     |
|   | npps                    | 10          |               |             |               |             |     |
|   | lpa,a@zpii,a (W/cm2)    | 228,1       |               |             |               |             |     |
|   | lspta,a@zpii,a (mW/cm2) | 35,7        |               |             |               |             |     |
|   | lspta@zpii (mW/cm2)     | 14,2        |               |             |               |             |     |
| pr@zpii (Mpa)   | 2,8                     |             |               |             |               |             |     |
| <b>Operating control conditions</b>   | Condition 1             | MI          | TIS           |             | TIB           |             | TIC |
|   | Condition 2             |             |               |             |               |             |     |
|   | Condition 3             |             |               |             |               |             |     |
|   | Condition 4             |             |               |             |               |             |     |
| Condition 1: B: General, Bmode THI, Focal zone 4 mm, PEN, Acoustic Power 0 dB |                         |             |               |             |               |             |     |
|   |                         |             |               |             |               |             |     |
|   |                         |             |               |             |               |             |     |

# P5-1X COLOR DOPPLER

| Index Label   |                         | MI         | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|   |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  |                         | <b>1,7</b> | <b>0,33</b> |               | <b>0,67</b> |               | <b>0,10</b> |
| Index Component Value   |                         |            | 0,33        | 0,33          | 0,67        | 0,32          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 2,3        |             |               |             |               |             |
|   | W0 (mW)                 |            | 178,80      |               | 178,80      |               | 15,24       |
|   | W1x1 (mW)               |            | 0,82        |               | 0,82        |               |             |
|   | zs (cm)                 |            |             | --            |             |               |             |
|   | zb (cm)                 |            |             |               |             | --            |             |
|   | zMI (cm)                | 5,5        |             |               |             |               |             |
|   | zpii.a (cm)             | 5,2        |             |               |             |               |             |
|   | fawf (MHz)              | 1,70       |             | 1,7           |             | 1,7           | 1,7         |
| <b>Other Information</b>  | prr (Hz)                | 17         |             |               |             |               |             |
|   | srr (Hz)                | 17         |             |               |             |               |             |
|   | npps                    | 1          |             |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 306,7      |             |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 248,9      |             |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 312,9      |             |               |             |               |             |
|   | pr@zpii (Mpa)           | 3,1        |             |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI         |             |               |             |               |             |
|   | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|   | Condition 3             |            |             |               |             |               |             |
|   | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, B mode Harmonics, Focal zone 30 mm, GEN, Acoustic Power 0 dB  |                         |            |             |               |             |               |             |
| Condition 2: General, B mode Harmonics, Focal zone 100 mm, RES, Acoustic Power 0 dB |                         |            |             |               |             |               |             |
|   |                         |            |             |               |             |               |             |



## P5-1X PW DOPPLER

| Index Label   |                         | MI         | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|   |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  |                         | <b>1,5</b> | <b>0,81</b> |               | <b>0,67</b> |               | <b>0,10</b> |
| Index Component Value   |                         |            | 0,81        | 0,78          | 1,36        | 0,81          |             |
| <b>Associated Acoustic Parameters</b>                             | pr.a@zMI (Mpa)          | 1,9        |             |               |             |               |             |
|   | W0 (mW)                 |            | 6,07        |               | 2,19        |               | 15,24       |
|   | W1x1 (mW)               |            | 5,06        |               | 1,72        |               |             |
|   | zs (cm)                 |            |             | 2,98          |             |               |             |
|   | zb (cm)                 |            |             |               |             | 3,97          |             |
|   | zMI (cm)                | 6,2        |             |               |             |               |             |
|   | zpii.a (cm)             | 5,9        |             |               |             |               |             |
|   | fawf (MHz)              | 1,70       |             | 1,7           |             | 2,5           | 1,7         |
| <b>Other Information</b>  | prf (Hz)                | 28         |             |               |             |               |             |
|   | srr (Hz)                | N/A        |             |               |             |               |             |
|   | npps                    | 1          |             |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 191,1      |             |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 254,2      |             |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 312,9      |             |               |             |               |             |
| pr@zpii (Mpa)   | 2,7                     |            |             |               |             |               |             |
| <b>Operating control conditions</b>                               | Condition 1             | MI         |             |               |             |               |             |
|   | Condition 2             |            | TIS         |               |             |               | TIC         |
|   | Condition 3             |            |             |               | TIB         |               |             |
|   | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, Focal zone 34 mm, SV 1.5 mm, Scale 35 cm/s  |                         |            |             |               |             |               |             |
| Condition 2: General, Focal zone 140 mm, SV 1.5 mm, Scale 60 cm/s |                         |            |             |               |             |               |             |
| Condition 3: General, Focal zone 80 mm, SV 0.5 mm, Scale 90 cm/s  |                         |            |             |               |             |               |             |

# C9-2X

## C9-2X B-MODE

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  | <b>0,8</b>              | <b>1,07</b> |               | <b>1,11</b> |               | <b>1,11</b> |
| Index Component Value   |                         | 1,07        | 1,07          | 1,11        | 1,07          |             |
| <b>Associated Acoustic Parameters</b>   | pr,a@zMI (Mpa)          | 2,0         |               |             |               |             |
|   | W0 (mW)                 |             | 116,12        | 116,12      |               | 116,12      |
|   | W1x1 (mW)               |             | 7,54          | 7,54        |               |             |
|   | zs (cm)                 |             | --            |             |               |             |
|   | zb (cm)                 |             |               |             | --            |             |
|   | zMI (cm)                | 1,6         |               |             |               |             |
|   | zpII,a (cm)             | 2,0         |               |             |               |             |
|   | fawf (MHz)              | 5,312       | 1,9375        |             | 1,9375        |             |
| <b>Other Information</b>  | prf (Hz)                | 220         |               |             |               |             |
|   | srf (Hz)                | 55          |               |             |               |             |
|   | npps                    | 10          |               |             |               |             |
|   | lpa,a@zpII,a (W/cm2)    | 95,8        |               |             |               |             |
|   | lspta,a@zpII,a (mW/cm2) | 13,3        |               |             |               |             |
|   | lspta@zpII (mW/cm2)     | 24,0        |               |             |               |             |
| pr@zpII (Mpa)   | 2,4                     |             |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI          |               |             |               |             |
|   | Condition 2             |             | TIS           |             | TIB           | TIC         |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1: Breast, B mode Harmonic, Focal Zone 16 mm, GEN, Super Compound on, Acoustic Power 0 dB |                         |             |               |             |               |             |
| Condition 2: General, B mode Fundamental, Focal zone 34 mm, GEN, Acoustic Power 0 dB                |                         |             |               |             |               |             |

## C9-2X COLOR DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   | <b>1,2</b>              | <b>1,33</b> | <b>1,33</b>   | <b>1,33</b> | <b>1,33</b>   | <b>0,82</b> |
| Index Component Value  |                         | 1,33        | 1,33          | 1,31        | 1,33          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 1,9         |               |             |               |             |
|  | W0 (mW)                 |             | 112,43        | 112,43      |               | 72,23       |
|  | W1x1 (mW)               |             | 6,93          | 6,93        |               |             |
|  | zs (cm)                 |             |               | 2,1         |               |             |
|  | zb (cm)                 |             |               |             | 1,8           |             |
|  | zMI (cm)                | 4,0         |               |             |               |             |
|  | zpii.a (cm)             | 6,8         |               |             |               |             |
|  | fawf (MHz)              | 2,375       | 2,375         |             | 2,375         | 2,375       |
| <b>Other Information</b>   | prr (Hz)                | 150         |               |             |               |             |
|  | srr (Hz)                | 150         |               |             |               |             |
|  | npps                    | 1           |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 149,8       |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 244,3       |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 561,6       |               |             |               |             |
|  | pr@zpii (Mpa)           | 2,7         |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI          | TIS           | TIB         |               | TIC         |
|  | Condition 2             |             |               |             |               |             |
|  | Condition 3             |             |               |             |               |             |
|  | Condition 4             |             |               |             |               |             |
| Condition 1: General, B mode Harmonic, Supercompound on, Focal 75 mm, Sector size Small, PEN |                         |             |               |             |               |             |
|  |                         |             |               |             |               |             |

## C9-2X SWE

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,4</b> | <b>0,64</b> |               | <b>0,28</b> |               | <b>1,01</b> |
| Index Component Value  |                         |            | 0,64        | 0,27          | 0,25        | 0,28          |             |
| <b>Associated Acoustic Parameters</b>  | pr,a@zMI (Mpa)          | 2,4        |             |               |             |               |             |
|  | W0 (mW)                 |            | 41,05       |               | 25,02       |               | 41,05       |
|  | W1x1 (mW)               |            | 49,08       |               | 25,49       |               |             |
|  | zs (cm)                 |            |             | 2,25          |             |               |             |
|  | zb (cm)                 |            |             |               |             | 2,85          |             |
|  | zMI (cm)                | 3,2        |             |               |             |               |             |
|  | zpii,a (cm)             | 3,2        |             |               |             |               |             |
|  | fawf (MHz)              | 3,00       |             | 3             |             | 3             | 3           |
| <b>Other Information</b>   | prr (Hz)                | 17         |             |               |             |               |             |
|  | srr (Hz)                | 1          |             |               |             |               |             |
|  | npps                    | 17,1,120   |             |               |             |               |             |
|  | lpa,a@zpii,a (W/cm2)    | 303,4      |             |               |             |               |             |
|  | lspta,a@zpii,a (mW/cm2) | 8,8        |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 0,0        |             |               |             |               |             |
| pr@zpii (Mpa)  | 3,3                     |            |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, SWE Box at 35mm, Std, B mode Harmonics, Pen, Acoustic Power 0 dB |                         |            |             |               |             |               |             |
| Condition 2: General, SWE Box at 50mm, Std, B mode Harmonics, Gen, Acoustic Power 0 dB |                         |            |             |               |             |               |             |

## C9-2X PW DOPPLER

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  | <b>1,1</b>              | <b>1,04</b> |               | <b>2,43</b> |               | <b>3,50</b> |
| Index Component Value   |                         | 1,04        | 0,73          | 1,50        | 2,43          |             |
| <b>Associated Acoustic Parameters</b>                             | pr.a@zMI (Mpa)          | 1,8         |               |             |               |             |
|   | W0 (mW)                 |             | 91,52         | 91,52       |               | 7,58        |
|   | W1x1 (mW)               |             | 91,52         | 91,52       |               |             |
|   | zs (cm)                 |             |               | 2,28        |               |             |
|   | zb (cm)                 |             |               |             | 3,55          |             |
|   | zMI (cm)                | 3,8         |               |             |               |             |
|   | zpii.a (cm)             | 4,1         |               |             |               |             |
| fawf (MHz)  | 2,375                   | 2,375       |               | 2,375       |               | 2,375       |
| <b>Other Information</b>  | prf (Hz)                | 785         |               |             |               |             |
|   | srr (Hz)                | N/A         |               |             |               |             |
|   | npps                    | 10          |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 146,0       |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 0,0         |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 0,0         |               |             |               |             |
| pr@zpii (Mpa)   | 2,4                     |             |               |             |               |             |
| <b>Operating control conditions</b>                               | Condition 1             | MI          |               |             |               |             |
|   | Condition 2             |             | TIS           |             | TIB           | TIC         |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1: General, Focal zone 22 mm, SV 1.0 mm, Scale 6 cm/s   |                         |             |               |             |               |             |
| Condition 2: General, Focal zone 140 mm, SV 1.5 mm, Scale 30 cm/s |                         |             |               |             |               |             |

# E12-3

## E12-3 B-MODE

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |       |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|-------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |       |
| <b>Maximum Index Value</b>  | <b>1,6</b>              | <b>0,26</b> |               | <b>0,26</b> |               | <b>0,26</b> |       |
| Index Component Value   |                         | 0,26        | 0,26          | 0,26        | 0,26          |             |       |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 3,7         |               |             |               |             |       |
|   | W0 (mW)                 |             | 12,94         |             | 12,94         | 12,94       |       |
|   | W1x1 (mW)               |             | 2,61          |             | 2,61          |             |       |
|   | zs (cm)                 |             |               | --          |               |             |       |
|   | zb (cm)                 |             |               |             | --            |             |       |
|   | zMI (cm)                | 0,6         |               |             |               |             |       |
|   | zpii,a (cm)             | 0,6         |               |             |               |             |       |
|   | fawf (MHz)              | 5,13        | 4,125         |             | 4,125         |             | 4,125 |
| <b>Other Information</b>  | prf (Hz)                | 275         |               |             |               |             |       |
|   | srr (Hz)                | 55          |               |             |               |             |       |
|   | npps                    | 10          |               |             |               |             |       |
|   | lpa.a@zpii,a (W/cm2)    | 673,6       |               |             |               |             |       |
|   | lspta.a@zpii,a (mW/cm2) | 229,1       |               |             |               |             |       |
|   | lspta@zpii (mW/cm2)     | 288,6       |               |             |               |             |       |
|   | pr@zpii (Mpa)           | 4,3         |               |             |               |             |       |
| <b>Operating control conditions</b>   | Condition 1             | MI          |               |             |               |             |       |
|   | Condition 2             |             | TIS           |             | TIB           |             | TIC   |
|   | Condition 3             |             |               |             |               |             |       |
|   | Condition 4             |             |               |             |               |             |       |
| Condition 1: General, B mode THI, Focal Zone 16 mm, PEN, Super Compound on, Acoustic Power 0 dB |                         |             |               |             |               |             |       |
| Condition 2: General, B mode THI, Focal zone 28 mm, GEN, Acoustic Power 0 dB                    |                         |             |               |             |               |             |       |

## E12-3 COLOR DOPPLER

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  | <b>1,0</b>              | <b>0,32</b> | <b>0,32</b>   | <b>0,53</b> | <b>0,32</b>   | <b>0,00</b> |
| Index Component Value   |                         | 0,32        | 0,32          | 0,53        | 0,32          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 2,6         |               |             |               |             |
|   | W0 (mW)                 |             | 13,37         | 13,37       |               | 0,00        |
|   | W1x1 (mW)               |             | 0,13          | 0,13        |               |             |
|   | zs (cm)                 |             |               | 1,1         |               |             |
|   | zb (cm)                 |             |               |             | 1,2           |             |
|   | zMI (cm)                | 0,6         |               |             |               |             |
|   | zpii.a (cm)             | 0,6         |               |             |               |             |
|   | fawf (MHz)              | 5,75        | 5,75          |             | 5,75          | 5,75        |
| <b>Other Information</b>  | prf (Hz)                | 30          |               |             |               |             |
|   | srr (Hz)                | 3           |               |             |               |             |
|   | npps                    | 10          |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 300,5       |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 41,0        |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 53,3        |               |             |               |             |
|   | pr@zpii (Mpa)           | 2,8         |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI          | TIS           | TIB         |               | TIC         |
|   | Condition 2             |             |               |             |               |             |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1: Prostate, B mode Fundamental, Focal zone 30 mm, GEN, Acoustic Power 0 dB |                         |             |               |             |               |             |
|   |                         |             |               |             |               |             |

## E12-3 SWE

| Index Label   |                         | MI         | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|   |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  |                         | <b>1,6</b> | <b>0,37</b> |               | <b>0,77</b> |               | <b>1,00</b> |
| Index Component Value   |                         |            | 0,37        | 0,21          | 0,39        | 0,77          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 3,4        |             |               |             |               |             |
|   | W0 (mW)                 |            | 16,26       |               | 16,26       |               | 16,26       |
|   | W1x1 (mW)               |            | 16,90       |               | 16,90       |               |             |
|   | zs (cm)                 |            |             | 1,72          |             |               |             |
|   | zb (cm)                 |            |             |               |             | 2,11          |             |
|   | zMI (cm)                | 1,9        |             |               |             |               |             |
|   | zpii.a (cm)             | 2,0        |             |               |             |               |             |
|   | fawf (MHz)              | 4,50       |             | 4,5           |             | 4,5           | 4,5         |
| <b>Other Information</b>  | prr (Hz)                | 19         |             |               |             |               |             |
|   | srr (Hz)                | 1          |             |               |             |               |             |
|   | npps                    | 19,1,89    |             |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 522,9      |             |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 2,7        |             |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 0,0        |             |               |             |               |             |
|   | pr@zpii (Mpa)           | 4,6        |             |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI         |             |               |             |               |             |
|   | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|   | Condition 3             |            |             |               |             |               |             |
|   | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, SWE Box position depth 2 mm, SWE Box size depth 32 mm, Bmode : Prostate, B mode Fundamental, Focal zone 30 mm, GEN, Acoustic Power 0 dB   |                         |            |             |               |             |               |             |
| Condition 2: General, SWE Box position depth 9.5 mm, SWE Box size depth 37 mm, Bmode : Prostate, B mode Fundamental, Focal zone 30 mm, GEN, Acoustic Power 0 dB |                         |            |             |               |             |               |             |



## E12-3 PW DOPPLER

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,6</b> | <b>0,83</b> |               | <b>1,27</b> |               | <b>2,03</b> |
| Index Component Value  |                         |            | 0,83        | 0,62          | 0,88        | 1,27          |             |
| <b>Associated Acoustic Parameters</b>  | pr,a@zMI (Mpa)          | 3,4        |             |               |             |               |             |
|  | W0 (mW)                 |            | 38,92       |               | 27,25       |               | 33,35       |
|  | W1x1 (mW)               |            | 38,92       |               | 27,25       |               |             |
|  | zs (cm)                 |            |             | 1,16          |             |               |             |
|  | zb (cm)                 |            |             |               |             | 1,78          |             |
|  | zMI (cm)                | 2,0        |             |               |             |               |             |
|  | zpii,a (cm)             | 2,0        |             |               |             |               |             |
|  | fawf (MHz)              | 4,50       |             | 4,5           |             | 4,5           | 4,5         |
| <b>Other Information</b>   | prr (Hz)                | 725        |             |               |             |               |             |
|  | srr (Hz)                | N/A        |             |               |             |               |             |
|  | npps                    | 10         |             |               |             |               |             |
|  | lpa,a@zpii,a (W/cm2)    | 449,7      |             |               |             |               |             |
|  | lspta,a@zpii,a (mW/cm2) | 0,0        |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 0,0        |             |               |             |               |             |
|  | pr@zpii (Mpa)           | 4,8        |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, SV Position depth 40 mm, SV size 2 mm, Scale 6.2 cm/s, |                         |            |             |               |             |               |             |
| Condition 2: General, SV Position depth 50 mm, SV size 2 mm, Scale 170 cm/s  |                         |            |             |               |             |               |             |

# C6-1X

## C6-1X B-MODE

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |     |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|-----|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |     |
| <b>Maximum Index Value</b>   | <b>1,4</b>              | <b>2,46</b> |               | <b>2,46</b> |               | <b>2,21</b> |     |
| Index Component Value  |                         | 2,46        | 2,46          | 2,21        | 2,46          |             |     |
| <b>Associated Acoustic Parameters</b>  | pr,a@zMI (Mpa)          | 2,2         |               |             |               |             |     |
|  | W0 (mW)                 |             | 283,28        | 283,28      |               | 283,28      |     |
|  | W1x1 (mW)               |             | 12,57         | 12,57       |               |             |     |
|  | zs (cm)                 |             |               | 4,8         |               |             |     |
|  | zb (cm)                 |             |               |             | 4,8           |             |     |
|  | zMI (cm)                | 1,8         |               |             |               |             |     |
|  | zpii,a (cm)             | 1,7         |               |             |               |             |     |
| fawf (MHz)   | 2,800                   | 2,5         |               | 2,5         |               | 2,5         |     |
| <b>Other Information</b>   | prr (Hz)                | 17          |               |             |               |             |     |
|  | srr (Hz)                | 8           |               |             |               |             |     |
|  | npps                    | 10          |               |             |               |             |     |
|  | lpa,a@zpii,a (W/cm2)    | 156,10      |               |             |               |             |     |
|  | lspta,a@zpii,a (mW/cm2) | 1,30        |               |             |               |             |     |
|  | lspta@zpii (mW/cm2)     | 1,90        |               |             |               |             |     |
| pr@zpii (Mpa)  | 2,70                    |             |               |             |               |             |     |
| <b>Operating control conditions</b>  | Condition 1             | MI          |               |             |               |             |     |
|  | Condition 2             |             | TIS           |             | TIB           |             | TIC |
|  | Condition 3             |             |               |             |               |             |     |
|  | Condition 4             |             |               |             |               |             |     |
| Condition 1: B: General, B mode Fundamental, Focal zone 7 mm, RES, Acoustic Power 0 dB                   |                         |             |               |             |               |             |     |
| Condition 2: B: General, B mode Fundamental, Focal zone 4 mm, PEN, SuperCompound on, Acoustic Power 0 dB |                         |             |               |             |               |             |     |

## C6-1X COLOR DOPPLER

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  | <b>1,3</b>              | <b>2,46</b> | <b>2,46</b>   | <b>2,46</b> | <b>2,46</b>   | <b>1,60</b> |
| Index Component Value   |                         | 2,46        | 2,46          | 2,24        | 2,46          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 2,0         |               |             |               |             |
|   | W0 (mW)                 |             | 289,30        | 289,33      |               | 205,33      |
|   | W1x1 (mW)               |             | 9,51          | 9,51        |               |             |
|   | zs (cm)                 |             |               | 4,8         |               |             |
|   | zb (cm)                 |             |               |             | 4,8           |             |
|   | zMI (cm)                | 4,1         |               |             |               |             |
|   | zpii.a (cm)             | 4,3         |               |             |               |             |
|   | fawf (MHz)              | 2,188       | 1,875         |             | 1,875         | 1,875       |
| <b>Other Information</b>  | prr (Hz)                | 180         |               |             |               |             |
|   | srr (Hz)                | 18          |               |             |               |             |
|   | npps                    | 1           |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 240,69      |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 83,36       |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 158,68      |               |             |               |             |
| pr@zpii (Mpa)   | 2,79                    |             |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI          |               |             |               |             |
|   | Condition 2             |             | TIS           |             | TIB           | TIC         |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1: B: Renal, B mode Harmonics, Focal zone 86 mm, GEN, Acoustic Power 0 dB                     |                         |             |               |             |               |             |
| Condition 2: Thyroid, B mode Fundamental, Focal Zone 64 mm, PEN, Super Compound on, Acoustic Power 0 dB |                         |             |               |             |               |             |
|   |                         |             |               |             |               |             |

## C6-1X SWE

| Index Label   |                         | MI         | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|   |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  |                         | <b>1,7</b> | <b>0,51</b> |               | <b>0,88</b> |               | <b>1,41</b> |
| Index Component Value   |                         |            | 0,51        | 0,21          | 0,49        | 0,88          |             |
| <b>Associated Acoustic Parameters</b>   | pr.a@zMI (Mpa)          | 2,4        |             |               |             |               |             |
|   | W0 (mW)                 |            | 47,90       |               | 47,90       |               | 0,00        |
|   | W1x1 (mW)               |            | 49,00       |               | 49,00       |               |             |
|   | zs (cm)                 |            |             | 2,37          |             |               |             |
|   | zb (cm)                 |            |             |               |             | 2,86          |             |
|   | zMI (cm)                | 3,0        |             |               |             |               |             |
|   | zpii.a (cm)             | 3,1        |             |               |             |               |             |
|   | fawf (MHz)              | 1,875      |             | 1,875         |             | 1,875         | 1,875       |
| <b>Other Information</b>  | prr (Hz)                | 16         |             |               |             |               |             |
|   | srr (Hz)                | 1          |             |               |             |               |             |
|   | npss                    | 16,1,116   |             |               |             |               |             |
|   | lpa.a@zpii.a (W/cm2)    | 160,47     |             |               |             |               |             |
|   | lspta.a@zpii.a (mW/cm2) | 15,15      |             |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 0,00       |             |               |             |               |             |
| pr@zpii (Mpa)   | 2,78                    |            |             |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI         |             |               |             |               |             |
|   | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|   | Condition 3             |            |             |               |             |               |             |
|   | Condition 4             |            |             |               |             |               |             |
| Condition 1: General, SWE Box position 55mm, Bmode : Renal, B mode Harmonics, Focal zone 86 mm, GEN, Acoustic Power 0 dB                        |                         |            |             |               |             |               |             |
| Condition 2: General, SWE Box position 85mm, Bmode : Thyroid, B mode Fundamental, Focal Zone 64 mm, PEN, Super Compound on, Acoustic Power 0 dB |                         |            |             |               |             |               |             |

## C6-1X PW DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>                                       | <b>1,1</b>              | <b>0,44</b> |               | <b>3,24</b> |               | <b>1,66</b> |
| Index Component Value  |                         | 0,44        | 0,39          | 2,01        | 3,24          |             |
| <b>Associated Acoustic Parameters</b>                            | pr.a@zMI (Mpa)          | 1,5         |               |             |               |             |
|  | W0 (mW)                 |             | 59,18         | 138,23      |               | 42,65       |
|  | W1x1 (mW)               |             | 48,72         | 114,74      |               |             |
|  | zs (cm)                 |             | 2,57          |             |               |             |
|  | zb (cm)                 |             |               |             | 3,88          |             |
|  | zMI (cm)                | 3,7         |               |             |               |             |
|  | zpii.a (cm)             | 4,1         |               |             |               |             |
| <b>Other Information</b>   | fawf (MHz)              | 1,937       | 1,937         | 1,937       |               | 1,937       |
|  | prr (Hz)                | 623         |               |             |               |             |
|  | srr (Hz)                | N/A         |               |             |               |             |
|  | npps                    | 1           |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 124,30      |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 116,49      |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 201,96      |               |             |               |             |
| pr@zpii (Mpa)  | 1,76                    |             |               |             |               |             |
| <b>Operating control conditions</b>                              | Condition 1             | MI          |               |             |               |             |
|  | Condition 2             |             | TIS           |             |               |             |
|  | Condition 3             |             |               | TIB         |               | TIC         |
|  | Condition 4             |             |               |             |               |             |
| Condition 1: General, Focal zone 32 mm, SV 3.0 mm, Scale 13 cm/s |                         |             |               |             |               |             |
| Condition 2: General, Focal zone 180 mm, SV 1 mm, Scale max      |                         |             |               |             |               |             |
| Condition 3: General, Focal zone 86 mm, SV 7.5 mm, Scale max     |                         |             |               |             |               |             |

# LH20-6

## LH20-6 B-MODE

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |     |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|-----|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |     |
| <b>Maximum Index Value</b>   | <b>1,1</b>              | <b>0,04</b> |               | <b>0,04</b> |               | <b>0,03</b> |     |
| Index Component Value  |                         | 0,04        | 0,04          | 0,03        | 0,04          |             |     |
| <b>Associated Acoustic Parameters</b>  | pr,a@zMI (Mpa)          | 3,4         |               |             |               |             |     |
|  | W0 (mW)                 |             | 0,89          |             | 0,89          | 0,89        |     |
|  | W1x1 (mW)               |             | 0,04          |             | 0,04          |             |     |
|  | zs (cm)                 |             |               | --          |               |             |     |
|  | zb (cm)                 |             |               |             |               | --          |     |
|  | zMI (cm)                | 1,0         |               |             |               |             |     |
|  | zpii,a (cm)             | 1,0         |               |             |               |             |     |
| fawf (MHz)   | 9,75                    | 9,75        |               | 9,75        |               | 9,75        |     |
| <b>Other Information</b>   | prr (Hz)                | 300         |               |             |               |             |     |
|  | srr (Hz)                | 30          |               |             |               |             |     |
|  | npps                    | 10          |               |             |               |             |     |
|  | lpa,a@zpii,a (W/cm2)    | 376,81      |               |             |               |             |     |
|  | lspta,a@zpii,a (mW/cm2) | 77,17       |               |             |               |             |     |
|  | lspta@zpii (mW/cm2)     | 142,94      |               |             |               |             |     |
| pr@zpii (Mpa)  | 4,39                    |             |               |             |               |             |     |
| <b>Operating control conditions</b>  | Condition 1             | MI          | TIS           |             | TIB           |             | TIC |
|  | Condition 2             |             |               |             |               |             |     |
|  | Condition 3             |             |               |             |               |             |     |
|  | Condition 4             |             |               |             |               |             |     |
| Condition 1: B: General, Bmode Fundamental, Focal zone 20 mm, GEN, Acoustic Power 0 dB |                         |             |               |             |               |             |     |
|  |                         |             |               |             |               |             |     |

## LH20-6 COLOR DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |     |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|-----|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |     |
| <b>Maximum Index Value</b>   | <b>1,1</b>              | <b>0,29</b> |               | <b>0,29</b> |               | <b>0,01</b> |     |
| Index Component Value  |                         | 0,29        | 0,29          | 0,29        | 0,29          |             |     |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 3,3         |               |             |               |             |     |
|  | W0 (mW)                 |             | 7,12          | 7,12        |               | 0,21        |     |
|  | W1x1 (mW)               |             | 0,03          | 0,03        |               |             |     |
|  | zs (cm)                 |             |               | 0,25        |               |             |     |
|  | zb (cm)                 |             |               |             | 1,2           |             |     |
|  | zMI (cm)                | 0,9         |               |             |               |             |     |
|  | zpii.a (cm)             | 1,0         |               |             |               |             |     |
|  | fawf (MHz)              | 8,88        | 10,25         |             | 10,25         | 10,25       |     |
| <b>Other Information</b>   | prr (Hz)                | 35          |               |             |               |             |     |
|  | srr (Hz)                | 3           |               |             |               |             |     |
|  | npps                    | 1           |               |             |               |             |     |
|  | lpa.a@zpii.a (W/cm2)    | 285,63      |               |             |               |             |     |
|  | lspta.a@zpii.a (mW/cm2) | 85,13       |               |             |               |             |     |
|  | lspta@zpii (mW/cm2)     | 162,88      |               |             |               |             |     |
|  | pr@zpii (Mpa)           | 4,32        |               |             |               |             |     |
| <b>Operating control conditions</b>  | Condition 1             | MI          |               |             |               |             |     |
|  | Condition 2             |             | TIS           |             | TIB           |             | TIC |
|  | Condition 3             |             |               |             |               |             |     |
|  | Condition 4             |             |               |             |               |             |     |
| Condition 1: B: Knee, Bmode THI, Focal zone 4 mm, PEN, Acoustic Power 0 dB     |                         |             |               |             |               |             |     |
| Condition 2: B: General, Bmode THI, Focal zone 40 mm, PEN, Acoustic Power 0 dB |                         |             |               |             |               |             |     |

## LH20-6 SWE

| Index Label  |                         | MI         | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|------------|-------------|---------------|-------------|---------------|-------------|
|  |                         |            | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   |                         | <b>1,1</b> | <b>0,48</b> |               | <b>0,80</b> |               | <b>1,41</b> |
| Index Component Value  |                         |            | 0,48        | 0,28          | 0,43        | 0,80          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 3,5        |             |               |             |               |             |
|  | W0 (mW)                 |            | 11,77       |               | 11,77       |               | 11,77       |
|  | W1x1 (mW)               |            | 11,77       |               | 11,77       |               |             |
|  | zs (cm)                 |            |             | 1,25          |             |               |             |
|  | zb (cm)                 |            |             |               |             | 1,52          |             |
|  | zMI (cm)                | 1,5        |             |               |             |               |             |
|  | zpii.a (cm)             | 1,5        |             |               |             |               |             |
|  | fawf (MHz)              | 7,5        | 7,5         |               | 7,5         |               | 7,5         |
| <b>Other Information</b>   | prr (Hz)                | 80         |             |               |             |               |             |
|  | srr (Hz)                | 2          |             |               |             |               |             |
|  | npps                    | 80,2,252   |             |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 441,20     |             |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 9,21       |             |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 15,50      |             |               |             |               |             |
|  | pr@zpii (Mpa)           | 4,77       |             |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI         |             |               |             |               |             |
|  | Condition 2             |            | TIS         |               | TIB         |               | TIC         |
|  | Condition 3             |            |             |               |             |               |             |
|  | Condition 4             |            |             |               |             |               |             |
| Condition 1: Knee, SWE Box position depth 5.3 mm, SWE Box size depth 10 mm, Bmode : Knee, B mode Harmonics, Focal zone 4 mm, PEN, Acoustic Power 0 dB      |                         |            |             |               |             |               |             |
| Condition 2: General, SWE Box position depth 7 mm, SWE Box size depth 10 mm, Bmode : General, B mode Harmonics, Focal zone 40 mm, PEN, Acoustic Power 0 dB |                         |            |             |               |             |               |             |



## LH20-6 PW DOPPLER

| Index Label  | MI                      | TIS         |               | TIB         |               | TIC         |
|--|-------------------------|-------------|---------------|-------------|---------------|-------------|
|  |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>   | <b>1,5</b>              | <b>0,30</b> | <b>0,20</b>   | <b>0,38</b> | <b>0,81</b>   | <b>1,53</b> |
| Index Component Value  |                         | 0,30        | 0,20          | 0,38        | 0,81          |             |
| <b>Associated Acoustic Parameters</b>  | pr.a@zMI (Mpa)          | 4,0         |               |             |               |             |
|  | W0 (mW)                 |             | 8,36          | 8,36        |               | 8,36        |
|  | W1x1 (mW)               |             | 8,36          | 8,36        |               |             |
|  | zs (cm)                 |             |               | 0,83        |               |             |
|  | zb (cm)                 |             |               |             | 0,83          |             |
|  | zMI (cm)                | 0,9         |               |             |               |             |
|  | zpii.a (cm)             | 1,0         |               |             |               |             |
|  | fawf (MHz)              | 7,25        | 7,25          |             | 7,25          | 7,25        |
| <b>Other Information</b>   | prr (Hz)                | 805         |               |             |               |             |
|  | srr (Hz)                | N/A         |               |             |               |             |
|  | npps                    | 1           |               |             |               |             |
|  | lpa.a@zpii.a (W/cm2)    | 492,78      |               |             |               |             |
|  | lspta.a@zpii.a (mW/cm2) | 157,89      |               |             |               |             |
|  | lspta@zpii (mW/cm2)     | 256,51      |               |             |               |             |
|  | pr@zpii (Mpa)           | 4,92        |               |             |               |             |
| <b>Operating control conditions</b>  | Condition 1             | MI          |               |             |               |             |
|  | Condition 2             |             | TIS           |             | TIB           | TIC         |
|  | Condition 3             |             |               |             |               |             |
|  | Condition 4             |             |               |             |               |             |
| Condition 1: General, SV Position depth 40 mm, SV size 0.5 mm, Scale 10.3 cm/s |                         |             |               |             |               |             |
| Condition 2: General, SV Position depth 4 mm, SV size 2 mm, Scale 150 cm/s     |                         |             |               |             |               |             |

# LV16-5

## LV16-5 B-MODE

| Index Label   | MI                      | TIS         |               | TIB         |               | TIC         |
|---|-------------------------|-------------|---------------|-------------|---------------|-------------|
|   |                         | At surface  | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>  | <b>1,6</b>              | <b>0,17</b> |               | <b>0,19</b> |               | <b>0,19</b> |
| Index Component Value   |                         | 0,17        | 0,17          | 0,19        | 0,17          |             |
| <b>Associated Acoustic Parameters</b>   | pr,a@zMI (Mpa)          | 3,7         |               |             |               |             |
|   | W0 (mW)                 |             | 6,69          | 6,69        |               | 0,01        |
|   | W1x1 (mW)               |             | 6,69          | 6,69        |               |             |
|   | zs (cm)                 |             |               |             |               |             |
|   | zb (cm)                 |             |               |             | --            |             |
|   | zMI (cm)                | 1,2         |               |             |               |             |
|   | zpii,a (cm)             | 1,2         |               |             |               |             |
|   | fawf (MHz)              | 5           | 5,25          |             | 5,25          | 5,25        |
| <b>Other Information</b>  | prr (Hz)                | 690         |               |             |               |             |
|   | srr (Hz)                | 69          |               |             |               |             |
|   | npps                    | 10          |               |             |               |             |
|   | lpa,a@zpii,a (W/cm2)    | 224,3       |               |             |               |             |
|   | lspta,a@zpii,a (mW/cm2) | 307,2       |               |             |               |             |
|   | lspta@zpii (mW/cm2)     | 459,6       |               |             |               |             |
|   | pr@zpii (Mpa)           | 4,51        |               |             |               |             |
| <b>Operating control conditions</b>   | Condition 1             | MI          |               |             |               |             |
|   | Condition 2             |             | TIS           | TIB         |               | TIC         |
|   | Condition 3             |             |               |             |               |             |
|   | Condition 4             |             |               |             |               |             |
| Condition 1 :Breast preset ; Harmonic ; Optimization = Pen ; focal position 22 mm ; Acoustic Power 0 dB |                         |             |               |             |               |             |
| Condition 2 :Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0 dB |                         |             |               |             |               |             |
|   |                         |             |               |             |               |             |

# LV16-5 COLOR DOPPLER

| Index Label                    | MI                | TIS                    |                        | TIB                  |                      | TIC                  |
|--------------------------------|-------------------|------------------------|------------------------|----------------------|----------------------|----------------------|
|                                |                   | At surface             | Below surface          | At surface           | Below surface        |                      |
| Maximum Index Value            | 1,6               | 0,52                   |                        | 0,53                 |                      | 0,38                 |
| Index Component Value          |                   | B : 0.17<br>C : 0.34   | B : 0.17<br>C : 0.34   | B : 0.19<br>C : 0.17 | B : 0.17<br>C : 0.34 |                      |
| Associated Acoustic Parameters | pr,a@zMI (Mpa)    | B : 3.7<br>C : 2.9     |                        |                      |                      |                      |
|                                | W0 (mW)           |                        | B : 6.69<br>C : 8.11   | B : 6.69<br>C : 8.11 |                      | B : 0.01<br>C : 0.01 |
|                                | W1x1 (mW)         |                        | B : 6.69<br>C : 8.11   | B : 6.69<br>C : 8.11 |                      |                      |
|                                | zs (cm)           |                        | --                     |                      |                      |                      |
|                                | zb (cm)           |                        |                        |                      | --                   |                      |
|                                | zMI (cm)          | B : 1.2<br>C : 1.1     |                        |                      |                      |                      |
|                                | zpii,a (cm)       | B : 1.2<br>C : 1.1     |                        |                      |                      |                      |
|                                | fawf (MHz)        | B : 5.3<br>C : 9       | B : 5.25<br>C : 9.13   | B : 5.25<br>C : 9.13 |                      | B : 5.25<br>C : 7.63 |
|                                | Other Information | prf (Hz)               | B : 689.9<br>C : 132.4 |                      |                      |                      |
| srf (Hz)                       |                   | B : 69<br>C : 12       |                        |                      |                      |                      |
| npps                           |                   | B : 10<br>C : 11       |                        |                      |                      |                      |
| lpa,a@zpii,a (W/cm2)           |                   | B : 224.3<br>C : 361   |                        |                      |                      |                      |
| lsp1a,a@zpii,a (mW/cm2)        |                   | B : 307.2<br>C : 91.5  |                        |                      |                      |                      |
| lsp1a@zpii (mW/cm2)            |                   | B : 459.6<br>C : 200.8 |                        |                      |                      |                      |
| pr@zpii (Mpa)                  |                   | B : 4.5<br>C : 3.9     |                        |                      |                      |                      |
| Operating control Conditions   | Condition 1       | MI                     |                        |                      |                      |                      |
|                                | Condition 2       |                        | TIS                    | TIB                  |                      |                      |
|                                | Condition 3       |                        |                        |                      |                      | TIC                  |

|               |  |
|---------------|--|
| Condition 1 : | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 22 mm ; Acoustic Power 0 dB<br>C : Breast preset ; Optimization = Res ; Boost = High Definition ; Color box position 22 mm ; scale 4 cm/s |
| Condition 2 : | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0<br>C : Breast preset ; Optimization = Res ; Boost = High Definition ; Color box position 68 mm ; scale 18 cm/s   |
| Condition 3 : | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0<br>C : Breast preset ; Optimization = Gen ; Boost = High Definition ; Color box position 65 mm ; scale 21 cm/s   |

# LV16-5 SWE

| Index Label                           |                         | MI                                  | TIS                               |                                  | TIB                               |                                  | TIC                             |
|---------------------------------------|-------------------------|-------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|
|                                       |                         |                                     | At surface                        | Below surface                    | At surface                        | Below surface                    |                                 |
| <b>Maximum Index Value</b>            |                         | <b>1,8</b>                          | <b>0,67</b>                       |                                  | <b>1,27</b>                       |                                  | <b>0,65</b>                     |
| <b>Index Component Value</b>          |                         |                                     | B : 0.17<br>P : 0.39<br>F : 0.1   | B : 0.17<br>P : 0.24<br>F : 0.03 | B : 0.19<br>P : 0.41<br>F : 0.05  | B : 0.17<br>P : 1.03<br>F : 0.03 |                                 |
| <b>Associated Acoustic Parameters</b> | pr,a@zMI (Mpa)          | B : 3.7<br>P : 3.8<br>F : 3.5       |                                   |                                  |                                   |                                  |                                 |
|                                       | W0 (mW)                 |                                     | B : 6.69<br>P : 18.42<br>F : 3.21 |                                  | B : 6.69<br>P : 18.42<br>F : 3.21 |                                  | B : 0.01<br>P : 0.02<br>F : 0   |
|                                       | W1x1 (mW)               |                                     | B : 6.69<br>P : 18.42<br>F : 3.21 |                                  | B : 6.69<br>P : 18.42<br>F : 3.21 |                                  |                                 |
|                                       | zs (cm)                 |                                     |                                   | B : --<br>P : 1.698<br>F : 2.341 |                                   |                                  |                                 |
|                                       | zb (cm)                 |                                     |                                   |                                  |                                   | B : --<br>P : 1.823<br>F : 2.341 |                                 |
|                                       | zMI (cm)                | B : 1.2<br>P : 1.1<br>F : 1         |                                   |                                  |                                   |                                  |                                 |
|                                       | zpii,a (cm)             | B : 1.2<br>P : 1.1<br>F : 1         |                                   |                                  |                                   |                                  |                                 |
|                                       | fawf (MHz)              | B : 5.3<br>P : 4.5<br>F : 7.4       | B : 5.25<br>P : 4.5<br>F : 6.5    |                                  | B : 5.25<br>P : 4.5<br>F : 6.5    |                                  | B : 5.25<br>P : 4.5<br>F : 5.25 |
| <b>Other Information</b>              | prr (Hz)                | B : 689.9<br>P : 1.3<br>F : 55      |                                   |                                  |                                   |                                  |                                 |
|                                       | srr (Hz)                | B : 69<br>P : 1.3<br>F : 1          |                                   |                                  |                                   |                                  |                                 |
|                                       | npss                    | B : 10<br>P : 1<br>F : 42           |                                   |                                  |                                   |                                  |                                 |
|                                       | lpa,a@zpii,a (W/cm2)    | B : 224.3<br>P : 226.6<br>F : 414.7 |                                   |                                  |                                   |                                  |                                 |
|                                       | lspta,a@zpii,a (mW/cm2) | B : 307.2<br>P : 230.7<br>F : 10.9  |                                   |                                  |                                   |                                  |                                 |
|                                       | lspta@zpii (mW/cm2)     | B : 459.6<br>P : 342.5<br>F : 18.4  |                                   |                                  |                                   |                                  |                                 |
|                                       | pr@zpii (Mpa)           | B : 4.5<br>P : 3.9<br>F : 4.5       |                                   |                                  |                                   |                                  |                                 |
| <b>Operating control Conditions</b>   | Condition 1             | MI                                  |                                   |                                  |                                   |                                  |                                 |
|                                       | Condition 2             |                                     | TIS                               |                                  | TIB                               |                                  |                                 |
|                                       | Condition 3             |                                     |                                   |                                  |                                   |                                  | TIC                             |

|                      |   |
|----------------------|---|
| <b>Condition 1 :</b> | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 22 mm ; Acoustic Power 0 dB<br>P + F : Breast preset ; Optimization = Res ; SWE box position 4 mm ; Acoustic Power 0 dB  |
| <b>Condition 2 :</b> | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0 dB<br>P + F : Breast preset ; Optimization = Std ; SWE box position 30 mm ; Acoustic Power 0 dB |
| <b>Condition 3 :</b> | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0 dB<br>P + F : Breast preset ; Optimization = Pen ; SWE box position 30 mm ; Acoustic Power 0 dB |

## LV16-5 PW DOPPLER

| Index Label                           | MI                      | TIS        |               | TIB         |               | TIC         |
|---------------------------------------|-------------------------|------------|---------------|-------------|---------------|-------------|
|                                       |                         | At surface | Below surface | At surface  | Below surface |             |
| <b>Maximum Index Value</b>            | <b>1,4</b>              | <b>0,7</b> |               | <b>2,09</b> |               | <b>0,97</b> |
| <b>Index Component Value</b>          |                         | 0,7        | 0,5           | 0,95        | 2,09          |             |
| <b>Associated Acoustic Parameters</b> | pr,a@zMI (Mpa)          | 3,2        |               |             |               |             |
|                                       | W0 (mW)                 |            | 28,66         | 28,14       |               | 0,03        |
|                                       | W1x1 (mW)               |            | 28,66         | 28,14       |               |             |
|                                       | zs (cm)                 |            |               | 1,108       |               |             |
|                                       | zb (cm)                 |            |               |             | 1,108         |             |
|                                       | zMI (cm)                | 1          |               |             |               |             |
|                                       | zpii,a (cm)             | 1          |               |             |               |             |
|                                       | fawf (MHz)              | 5          | 5,125         |             | 5             | 5,125       |
| <b>Other Information</b>              | prr (Hz)                | 805        |               |             |               |             |
|                                       | srr (Hz)                | 805        |               |             |               |             |
|                                       | npps                    | 1          |               |             |               |             |
|                                       | lpa,a@zpii,a (W/cm2)    | 428,2      |               |             |               |             |
|                                       | lspla,a@zpii,a (mW/cm2) | 527,8      |               |             |               |             |
|                                       | lspla@zpii (mW/cm2)     | 753,3      |               |             |               |             |
|                                       | pr@zpii (Mpa)           | 3,7        |               |             |               |             |
| <b>Operating control Conditions</b>   | Condition 1             | MI         |               |             |               |             |
|                                       | Condition 2             |            | TIS           |             |               | TIC         |
|                                       | Condition 3             |            |               | TIB         |               |             |

|               |  |
|---------------|--|
| Condition 1 : | Breast preset ; Sample volume position 30 mm ; Sample volume size 2.5 mm ; Scale 6.2 cm/s  |
| Condition 2 : | Breast preset ; Sample volume position 68 mm ; Sample volume size 1.5 mm ; Scale 80 cm/s   |
| Condition 3 : | Breast preset ; Sample volume position 68 mm ; Sample volume size 2.0 mm ; Scale 53.5 cm/s |





**Hologic Headquarters**

250 Campus Drive, Marlborough, MA  
01752, USA

USA Tel: +1.508.263.2900

Sales: +1.781.999.7453

Fax: +1.781.280.0668

Email: [info@hologic.com](mailto:info@hologic.com)

