

SUPERSONIC MACH30™
SUPERSONIC MACH20™

Acoustic Table Guide

Acoustic Table Guide Ref.:

PM.LAB.172-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 |
| η_{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 20 and SUPERSONIC MACH 30 systems comply 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 | |
| Maximum Index Value | | 1,5 | 0,99 | | 1,28 | | 1,28 |
| Index Component Value | | | 0,99 | 0,99 | 1,28 | 0,99 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 0,7 | 0,27 | | 0,27 | | 0,11 |
| Index Component Value | | | 0,27 | 0,27 | 0,15 | 0,27 | |
| Associated Acoustic Parameters | 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 |
| Other Information | prf (Hz) | 135 | | | | | |
| | srf (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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,9 | 0,86 | | 2,81 | | 1,40 |
| Index Component Value | | | 0,86 | 0,51 | 1,00 | 2,81 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 0,7 | 0,09 | | 0,30 | | 1,42 |
| Index Component Value | | 0,09 | 0,07 | 0,17 | 0,30 | |
| Associated Acoustic Parameters | 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 | |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,8 | 3,70 | | 4,67 | | 4,67 |
| Index Component Value | | 3,70 | 3,70 | 4,67 | 3,70 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,8 | 2,34 | | 2,64 | | 1,16 |
| Index Component Value | | 2,34 | 2,34 | 2,64 | 2,34 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,7 | 0,54 | | 1,25 | | 1,40 |
| Index Component Value | | | 0,54 | 0,34 | 0,64 | 1,25 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 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 | |
| Maximum Index Value | | 1,1 | 1,49 | | 4,57 | | 1,65 |
| Index Component Value | | | 1,49 | 1,26 | 3,62 | 4,57 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,7 | 0,15 | | 0,19 | | 0,44 |
| Index Component Value | | | 0,15 | 0,15 | 0,19 | 0,15 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,6 | 0,40 | | 0,65 | | 0,85 |
| Index Component Value | | 0,40 | 0,40 | 0,65 | 0,38 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,1 | 0,10 | | 0,23 | | 0,13 |
| Index Component Value | | | 0,10 | 0,07 | 0,13 | 0,23 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,1 | 1,23 | | 1,84 | | 1,85 |
| Index Component Value | | 1,23 | 0,91 | 1,02 | 1,84 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 | | |
| Maximum Index Value | 1,8 | 0,98 | | 1,81 | | 0,10 | |
| Index Component Value | | 0,98 | 0,98 | 1,81 | 0,98 | | |
| Associated Acoustic Parameters | 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 | |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,7 | 0,33 | 0,33 | 0,67 | 0,32 | 0,10 |
| Index Component Value | | 0,33 | 0,33 | 0,67 | 0,32 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,5 | 0,81 | 0,81 | 0,67 | 0,67 | 0,10 |
| Index Component Value | | 0,81 | 0,78 | 1,36 | 0,81 | |
| Associated Acoustic Parameters | 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 |
| Other Information | prr (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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 0,8 | 1,07 | | 1,11 | | 1,11 |
| Index Component Value | | 1,07 | 1,07 | 1,11 | 1,07 | |
| Associated Acoustic Parameters | 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 | | 1,9375 |
| Other Information | prf (Hz) | 220 | | | | |
| | srr (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 | | | | | |
| Operating control conditions | 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 | | |
| Maximum Index Value | 1,2 | 1,33 | 1,33 | 1,33 | 1,33 | 0,82 | |
| Index Component Value | | 1,33 | 1,33 | 1,31 | 1,33 | | |
| Associated Acoustic Parameters | 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 |
| Other Information | prf (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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,4 | 0,64 | | 0,28 | | 1,01 |
| Index Component Value | | | 0,64 | 0,27 | 0,25 | 0,28 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,1 | 1,04 | | 2,43 | | 3,50 |
| Index Component Value | | 1,04 | 0,73 | 1,50 | 2,43 | |
| Associated Acoustic Parameters | 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 |
| Other Information | prr (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 | | | | | |
| Operating control conditions | 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 | | |
| Maximum Index Value | 1,6 | 0,26 | | 0,26 | | 0,26 | |
| Index Component Value | | 0,26 | 0,26 | 0,26 | 0,26 | | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,0 | 0,32 | | 0,53 | | 0,00 |
| Index Component Value | | | 0,32 | 0,32 | 0,53 | 0,32 | |
| Associated Acoustic Parameters | 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 |
| Other Information | prr (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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,6 | 0,37 | | 0,77 | | 1,00 |
| Index Component Value | | | 0,37 | 0,21 | 0,39 | 0,77 | |
| Associated Acoustic Parameters | 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 | |
| Other Information | 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 | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,6 | 0,83 | | 1,27 | | 2,03 |
| Index Component Value | | 0,83 | 0,62 | 0,88 | 1,27 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 | | |
| Maximum Index Value | 1,4 | 2,46 | | 2,46 | | 2,21 | |
| Index Component Value | | 2,46 | 2,46 | 2,21 | 2,46 | | |
| Associated Acoustic Parameters | 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 | |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,3 | 2,46 | 2,46 | 2,46 | 2,46 | 1,60 |
| Index Component Value | | 2,46 | 2,46 | 2,24 | 2,46 | |
| Associated Acoustic Parameters | 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 | 1,875 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,7 | 0,51 | | 0,88 | | 1,41 |
| Index Component Value | | | 0,51 | 0,21 | 0,49 | 0,88 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,1 | 0,44 | | 3,24 | | 1,66 |
| Index Component Value | | 0,44 | 0,39 | 2,01 | 3,24 | |
| Associated Acoustic Parameters | 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 | | | | |
| | fawf (MHz) | 1,937 | 1,937 | | 1,937 | 1,937 |
| Other Information | prf (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 | | | | | |
| Operating control conditions | 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 | | |
| Maximum Index Value | 1,1 | 0,04 | | 0,04 | | 0,03 | |
| Index Component Value | | 0,04 | 0,04 | 0,03 | 0,04 | | |
| Associated Acoustic Parameters | 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 | |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | | |
| Maximum Index Value | 1,1 | 0,29 | | 0,29 | | 0,01 | |
| Index Component Value | | 0,29 | 0,29 | 0,29 | 0,29 | | |
| Associated Acoustic Parameters | 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 | |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | | 1,1 | 0,48 | | 0,80 | | 1,41 |
| Index Component Value | | | 0,48 | 0,28 | 0,43 | 0,80 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,5 | 0,30 | 0,20 | 0,38 | 0,81 | 1,53 |
| Index Component Value | | 0,30 | 0,20 | 0,38 | 0,81 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 | |
| Maximum Index Value | 1,6 | 0,17 | | 0,19 | | 0,19 |
| Index Component Value | | 0,17 | 0,17 | 0,19 | 0,17 | |
| Associated Acoustic Parameters | 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 |
| Other Information | 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 | | | | |
| Operating control conditions | 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 C : 0.34 | B : 0.17 C : 0.34 | B : 0.19 C : 0.17 | B : 0.17 C : 0.34 | |
| Associated Acoustic Parameters | pr,a@zMI (Mpa) | B : 3.7 C : 2.9 | | | | |
| | W0 (mW) | | B : 6.69 C : 8.11 | B : 6.69 C : 8.11 | | B : 0.01 C : 0.01 |
| | W1x1 (mW) | | B : 6.69 C : 8.11 | B : 6.69 C : 8.11 | | |
| | zs (cm) | | -- | | | |
| | zb (cm) | | | | -- | |
| | zMI (cm) | B : 1.2 C : 1.1 | | | | |
| | zpii,a (cm) | B : 1.2 C : 1.1 | | | | |
| | fawf (MHz) | B : 5.3 C : 9 | B : 5.25 C : 9.13 | B : 5.25 C : 9.13 | | B : 5.25 C : 7.63 |
| | Other Information | prf (Hz) | B : 689.9 C : 132.4 | | | |
| srf (Hz) | | B : 69 C : 12 | | | | |
| npps | | B : 10 C : 11 | | | | |
| lpa,a@zpii,a (W/cm2) | | B : 224.3 C : 361 | | | | |
| lspta,a@zpii,a (mW/cm2) | | B : 307.2 C : 91.5 | | | | |
| lspta@zpii (mW/cm2) | | B : 459.6 C : 200.8 | | | | |
| pr@zpii (Mpa) | | B : 4.5 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 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 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 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 | |
| Maximum Index Value | | 1,8 | 0,67 | | 1,27 | | 0,65 |
| Index Component Value | | | B : 0.17 P : 0.39 F : 0.1 | B : 0.17 P : 0.24 F : 0.03 | B : 0.19 P : 0.41 F : 0.05 | B : 0.17 P : 1.03 F : 0.03 | |
| Associated Acoustic Parameters | pr,a@zMI (Mpa) | B : 3.7 P : 3.8 F : 3.5 | | | | | |
| | W0 (mW) | | B : 6.69 P : 18.42 F : 3.21 | | B : 6.69 P : 18.42 F : 3.21 | | B : 0.01 P : 0.02 F : 0 |
| | W1x1 (mW) | | B : 6.69 P : 18.42 F : 3.21 | | B : 6.69 P : 18.42 F : 3.21 | | |
| | zs (cm) | | | B : -- P : 1.698 F : 2.341 | | | |
| | zb (cm) | | | | | B : -- P : 1.823 F : 2.341 | |
| | zMI (cm) | B : 1.2 P : 1.1 F : 1 | | | | | |
| | zpII,a (cm) | B : 1.2 P : 1.1 F : 1 | | | | | |
| | fawf (MHz) | B : 5.3 P : 4.5 F : 7.4 | B : 5.25 P : 4.5 F : 6.5 | | B : 5.25 P : 4.5 F : 6.5 | | B : 5.25 P : 4.5 F : 5.25 |
| Other Information | prr (Hz) | B : 689.9 P : 1.3 F : 55 | | | | | |
| | srr (Hz) | B : 69 P : 1.3 F : 1 | | | | | |
| | npss | B : 10 P : 1 F : 42 | | | | | |
| | lpa,a@zpII,a (W/cm2) | B : 224.3 P : 226.6 F : 414.7 | | | | | |
| | lspta,a@zpII,a (mW/cm2) | B : 307.2 P : 230.7 F : 10.9 | | | | | |
| | lspta@zpII (mW/cm2) | B : 459.6 P : 342.5 F : 18.4 | | | | | |
| | pr@zpII (Mpa) | B : 4.5 P : 3.9 F : 4.5 | | | | | |
| 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 P + F : Breast preset ; Optimization = Res ; SWE box position 4 mm ; Acoustic Power 0 dB |
| Condition 2 : | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0 dB P + F : Breast preset ; Optimization = Std ; SWE box position 30 mm ; Acoustic Power 0 dB |
| Condition 3 : | B : Breast preset ; Harmonic ; Optimization = Pen ; focal position 52 mm ; Acoustic Power 0 dB 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 | |
| Maximum Index Value | 1,4 | 0,7 | | 2,09 | | 0,97 |
| Index Component Value | | 0,7 | 0,5 | 0,95 | 2,09 | |
| Associated Acoustic Parameters | 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 |
| Other Information | prf (Hz) | 805 | | | | |
| | srf (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 | | | | |
| Operating control Conditions | 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

