



# AIXPLORER mach<sup>30</sup>

## Acoustic Table Guide



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# 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	27°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 Imagine Aixplorer® Mach 30 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	
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		52,16
	W1x1 (mW)		3,43	3,43		
	zs (cm)			#		
	zb (cm)				#	
	zMI (cm)	1,6				
	zpii,a (cm)	1,6				
Other Information	fawf (MHz)	3,75	4,25	4,25		4,25
	prr (Hz)	690				
	srr (Hz)	69				
	npps	10				
	lpa,a@zpii,a (W/cm2)	n.d.				
	lspta,a@zpii,a (mW/cm2)	56,50				
	lspta@zpii (mW/cm2)	84,82				
	pr@zpii (Mpa)	3,49				

## 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		5,13
	W1x1 (mW)		0,29	0,29		
	zs (cm)			#		
	zb (cm)				#	
	zMI (cm)	1.8				
	zpii,a (cm)	2.0				
Other Information	fawf (MHz)	9,625	9	9		8,625
	prr (Hz)	135				
	srr (Hz)					
	npps					
	lpa,a@zpii,a (W/cm2)	124,97				
	lspta,a@zpii,a (mW/cm2)	54,11				
	lspta@zpii (mW/cm2)	105,88				
pr@zpii (Mpa)	2,91					

## 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		28.77
	W1x1 (mW)		39.52		43.92		
	zs (cm)			1.59			
	zb (cm)					2.70	
	zMI (cm)	1.3					
	zpii,a (cm)	1.6					
	fawf (MHz)	4.5	4.5		4.5		4.5
Other Information	prr (Hz)	19					
	srr (Hz)	19					
	npss	19,1,109					
	lpa,a@zpii,a (W/cm2)	367.71					
	lspta,a@zpii,a (mW/cm2)	4.36					
	lspta@zpii (mW/cm2)	0.00					
	pr@zpii (Mpa)	4.67					

## 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		3.70
	W1x1 (mW)		3.70		3.70		
	zs (cm)			0.81			
	zb (cm)					1.20	
	zMI (cm)	1.2					
	zpii,a (cm)	1.3					
	fawf (MHz)	5	5		5		5
Other Information	prr (Hz)	805					
	srr (Hz)	N/A					
	npss	1					
	lpa,a@zpii,a (W/cm2)	59.85					
	lspta,a@zpii,a (mW/cm2)	112.01					
	lspta@zpii (mW/cm2)	174.25					
	pr@zpii (Mpa)	1.75					

# 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				
Other Information	fawf (MHz)	4,125	4,5	4,5		4,5
	prr (Hz)	300				
	srr (Hz)	30				
	npps	10				
	lpa.a@zpii.a (W/cm2)	389.00				
	lspta.a@zpii.a (mW/cm2)	545.04				
	lspta@zpii (mW/cm2)	962.53				
	pr@zpii (Mpa)	4,73				

## 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		51.48
	W1x1 (mW)		2.82	2.82		
	zs (cm)			#		
	zb (cm)				#	
	zMI (cm)	2.0				
	zpii.a (cm)	2.2				
Other Information	fawf (MHz)	4,125	4	4		4
	prr (Hz)	107				
	srr (Hz)	107				
	npps	1				
	lpa.a@zpii.a (W/cm2)	389.00				
	lspta.a@zpii.a (mW/cm2)	375.36				
	lspta@zpii (mW/cm2)	808.86				
pr@zpii (Mpa)	4,73					

## 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		29.39
	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	prr (Hz)	19					
	srr (Hz)	19					
	npss	19,1,176					
	lpa,a@zpii,a (W/cm2)	733,31					
	lspta,a@zpii,a (mW/cm2)	14,85					
	lspta@zpii (mW/cm2)	26,54					
	pr@zpii (Mpa)	5,70					

## 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		78.27
	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	4		4		4
Other Information	prr (Hz)	628					
	srr (Hz)	N/A					
	npss	1					
	lpa,a@zpii,a (W/cm2)	175,73					
	lspta,a@zpii,a (mW/cm2)	109,41					
	lspta@zpii (mW/cm2)	186,94					
	pr@zpii (Mpa)	2,65					

## 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		1,67	0,15	0,15	0,19	0,15	0,44
Index Component Value			0,15	0,15	0,19	0,15	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3,73					
	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)	5		4,25		4,25	4,875
Other Information	prr (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)	4,75						
Settings	Focale (mm)	14					

## MC12-3 COLOR DOPPLER

Index Label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum Index Value		1,61	0,40	0,40	0,65	0,38	0,85
Index Component Value			0,40	0,40	0,65	0,38	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3,42					
	W0 (mW)		17,30		16,95		20,5
	W1x1 (mW)		0,40		0,38		
	zs (cm)			0,00			
	zb (cm)					0,00	
	zMI (cm)	0,7					
	zpii,a (cm)	0,7					
	fawf (MHz)	4,5		5,375		5,625	4,5
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)	4,42					
Settings	Focale (mm)	7					88

## MC12-3 SWE

Index Label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum Index Value		1,1	0,10	0,07	0,13	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)					1,926	
	zMI (cm)	2,2					
	zpii,a (cm)	2,1					
	fawf (MHz)	4,5		4,5		4,5	4,5
Other Information	prr (Hz)	1					
	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						



## 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)	2,33					
	W0 (mW)		57,5		46,5		57,5
	W1x1 (mW)		57,5		46,5		
	zs (cm)			1,16			
	zb (cm)					1,16	
	zMI (cm)	0,8					
	zpii,a (cm)	0,8					
	fawf (MHz)	4,5	4,5		4,5		4,5
Other Information	prr (Hz)	1800					
	srr (Hz)	N/A					
	npps	1					
	lpa,a@zpii,a (W/cm2)	138					
	lspta,a@zpii,a (mW/cm2)	357					
	lspta@zpii (mW/cm2)	463					
	pr@zpii (Mpa)	2,66					
Settings	Focale (mm)	22	80		80		80

# 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>0.98</b>	<b>1.81</b>	<b>0.98</b>	<b>0.10</b>
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				
Other Information	fawf (MHz)	1.6	1.7	1.7		1.68
	prt (Hz)	94				
	srr (Hz)	47				
	npps	10				
	lpa.a@zpII.a (W/cm2)	228.1				
	lspla.a@zpII.a (mW/cm2)	35.7				
	lspla@zpII (mW/cm2)	14.2				
pr@zpII (Mpa)	2.8					

## 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>0.33</b>	<b>0.67</b>	<b>0.32</b>	<b>0.10</b>
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				
Other Information	fawf (MHz)	1.7	1.7	1.7		1.7
	prt (Hz)	17				
	srr (Hz)	121				
	npps	1				
	lpa.a@zpII.a (W/cm2)	306.7				
	lspla.a@zpII.a (mW/cm2)	248.9				
	lspla@zpII (mW/cm2)	312.9				
pr@zpII (Mpa)	3.1					

# 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>0.78</b>	<b>0.67</b>		<b>0.10</b>
<b>Index Component Value</b>		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				
<b>Other Information</b>	fawf (MHz)	1.7	1.7	2.5		1.7
	prf (Hz)	28				
	srf (Hz)	N/A				
	npps	1				
	lpa.a@zpII.a (W/cm2)	191.1				
	lspla.a@zpII.a (mW/cm2)	254.2				
	lspla@zpII (mW/cm2)	312.9				
pr@zpII (Mpa)	2.7					

# 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				
Other Information	fawf (MHz)	5,3125	1,9375	1,9375		1,9375
	pr (Hz)	220				
	srr (Hz)	55				
	npps	10				
	lpa,a@zpii,a (W/cm2)	95,77				
	lspta,a@zpii,a (mW/cm2)	13,33				
	lspta@zpii (mW/cm2)	23,97				
pr@zpii (Mpa)	2,41					

## 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		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)			#		
	zb (cm)				#	
	zMI (cm)	4.0				
	zpii,a (cm)	6.8				
Other Information	fawf (MHz)	2,375	2,375	2,375		2,375
	pr (Hz)	150				
	srr (Hz)	107				
	npps	1				
	lpa,a@zpii,a (W/cm2)	149,82				
	lspta,a@zpii,a (mW/cm2)	244,31				
	lspta@zpii (mW/cm2)	561,55				
pr@zpii (Mpa)	2,68					

## 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	3		3		3
Other Information	prr (Hz)	17					
	srr (Hz)	17					
	ngps	17,1,120					
	lpa,a@zpii,a (W/cm2)	303,43					
	lspta,a@zpii,a (mW/cm2)	8,75					
	lspta@zpii (mW/cm2)	0,00					
	pr@zpii (Mpa)	3,33					

## 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					
	ngps	10					
	lpa,a@zpii,a (W/cm2)	145,96					
	lspta,a@zpii,a (mW/cm2)	0,00					
	lspta@zpii (mW/cm2)	0,00					
	pr@zpii (Mpa)	2,43					

# 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)	5,125	4,125		4,125	4,125
Other Information	prr (Hz)	275				
	srr (Hz)	55				
	npps	10				
	lpa,a@zpii,a (W/cm2)	673,61				
	lspta,a@zpii,a (mW/cm2)	229,05				
	lspta@zpii (mW/cm2)	288,58				
	pr@zpii (Mpa)	4,27				

## 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)			#		
	zb (cm)				#	
	zMI (cm)	0.6				
	zpii,a (cm)	0.6				
	fawf (MHz)	5,75	5,25		5,25	5,75
Other Information	prr (Hz)	30				
	srr (Hz)	107				
	npps	1				
	lpa,a@zpii,a (W/cm2)	300,53				
	lspta,a@zpii,a (mW/cm2)	41,00				
	lspta@zpii (mW/cm2)	53,32				
	pr@zpii (Mpa)	2,80				

## 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)	4,5	4,5		4,5		4,5
Other Information	prr (Hz)	725					
	srr (Hz)	N/A					
	rpps	10					
	lpa,a@zpii,a (W/cm2)	449,68					
	lspta,a@zpii,a (mW/cm2)	0,00					
	lspta@zpii (mW/cm2)	0,00					
	pr@zpii (Mpa)	4,76					

## 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)	4,5	4,5		4,5		4,5
Other Information	prr (Hz)	19					
	srr (Hz)	19					
	rpps	19,189					
	lpa,a@zpii,a (W/cm2)	522,89					
	lspta,a@zpii,a (mW/cm2)	2,71					
	lspta@zpii (mW/cm2)	0,00					
	pr@zpii (Mpa)	4,62					

# C6-1X

## C6-1X B-MODE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.1	2.46		2.46		2.21
Index Component Value		2.46	2.46	2.21	2.46	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	1.6				
	W0 (mW)		283,28	283,28		283,28
	W1x1 (mW)		12,57	12,57		
	zs (cm)		4,80			
	zb (cm)				4,80	
	zMI (cm)	5.8				
	zpii.a (cm)	6.7				
fawf (MHz)	2,125	2.5		2.5		2.5
Other Information	prr (Hz)	66				
	srr (Hz)	11				
	npps	10				
	lpa,a@zpii.a (W/cm2)	165,86				
	lspta,a@zpii.a (mW/cm2)	35,81				
	lspta@zpii (mW/cm2)	80,51				
pr@zpii (Mpa)	2,16					

## 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		1.60
Index Component Value		2.46	2.46	2.24	2.46	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.0				
	W0 (mW)		289,33	289,33		205,33
	W1x1 (mW)		9,51		9,51	
	zs (cm)		4,80			
	zb (cm)				4,80	
	zMI (cm)	4.1				
	zpii.a (cm)	4.3				
fawf (MHz)	2,1875	1,875		1,875		1,875
Other Information	prr (Hz)	180				
	srr (Hz)	107				
	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					



## 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)	1,9375	1,9375		1,9375		1,9375
Other Information	prr (Hz)	623					
	srr (Hz)	N/A					
	ngps	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					

## 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)		47.87		47.87		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)	13					
	ngps	13, 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					

# 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		9	9	
Other Information	prf (Hz)	300				
	srr (Hz)	60				
	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				

## 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	0,25	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)		#			
	zb (cm)				#	
	zMI (cm)	0.9				
	zpii,a (cm)	1.0				
fawf (MHz)	8,875	10,25		10,25	10,25	
Other Information	prf (Hz)	35				
	srr (Hz)	107				
	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)	4,23				

## 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		0.81		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		7,5
Other Information	prr (Hz)	805					
	srr (Hz)	N/A					
	npss	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					

## 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)	16					
	npss	16,2252					
	lpa,a@zpii,a (W/cm2)	441,19					
	lspta,a@zpii,a (mW/cm2)	9,21					
	lspta@zpii (mW/cm2)	15,50					
	pr@zpii (Mpa)	4,77					

# LV16-5

## LV16-5 B-MODE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.9	2.85		1.76		1.76
Index Component Value		2.85	2.40	1.76	1.20	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.5				
	W0 (mW)		24,20	24,20		24,20
	W1x1 (mW)		18,60	18,60		
	zs (cm)		1,20			
	zb (cm)				1,10	
	zMI (cm)	1.2				
	zpii,a (cm)	1.5				
Other Information	fawf (MHz)	5	5	5		5
	prf (Hz)	300				
	srr (Hz)	30				
	npps	10				
	lpa,a@zpii,a (W/cm2)	150,20				
	lspta,a@zpii,a (mW/cm2)	399,62				
	lspta@zpii (mW/cm2)	410,1				
pr@zpii (Mpa)	2,90					

## LV16-5 COLOR DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.3	0.87		0.49		0.41
Index Component Value		0.87	0,05	0,49	0,05	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.0				
	W0 (mW)		56,10	56,10		56,10
	W1x1 (mW)		43,20	43,20		
	zs (cm)		1,20			
	zb (cm)				0,80	
	zMI (cm)	1.2				
	zpii,a (cm)	1.4				
Other Information	fawf (MHz)	5	5	5		5
	prf (Hz)	107				
	srr (Hz)	107				
	npps	1				
	lpa,a@zpii,a (W/cm2)	109,40				
	lspta,a@zpii,a (mW/cm2)	354,26				
	lspta@zpii (mW/cm2)	401,10				
pr@zpii (Mpa)	4,42					

## LV16-5 PW DOPPLER

Index Label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum Index Value		1.8	0.19		0.25		1.50
Index Component Value			0,19	0,12	0,25	0,22	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.6					
	W0 (mW)		13,09		13,09		13,09
	W1x1 (mW)		13,09		13,09		
	zs (cm)			0,00			
	zb (cm)					#ND	
	zMI (cm)	2.0					
	zpii,a (cm)	2.2					
	fawf (MHz)	4,125		4,125		4,125	4,5
Other Information	prr (Hz)	300					
	srr (Hz)						
	npss						
	lpa,a@zpii,a (W/cm2)	389,00					
	lspta,a@zpii,a (mW/cm2)	545,04					
	lspta@zpii (mW/cm2)	962,53					
	pr@zpii (Mpa)	4,73					

## LV16-5 SWE

Index Label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum Index Value		1.9	1.01		1.30		1.40
Index Component Value			1,01	0,10	1,30	0,17	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	4.1					
	W0 (mW)		45,53		50,60		33,48
	W1x1 (mW)		45,53		50,60		
	zs (cm)			1,34			
	zb (cm)					2,34	
	zMI (cm)	1.4					
	zpii,a (cm)	1.6					
	fawf (MHz)	4,5		4,5		4,5	4,5
Other Information	prr (Hz)	19					
	srr (Hz)	19					
	npss	19,1,109					
	lpa,a@zpii,a (W/cm2)	383,15					
	lspta,a@zpii,a (mW/cm2)	6,91					
	lspta@zpii (mW/cm2)	0,00					
	pr@zpii (Mpa)	5,10					





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