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SUPERSONIC® MACH™40
SUPERSONIC® MACH™30
SUPERSONIC® MACH™20

Acoustic Table Guide

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1 Acoustic Table Guide



SUPERSONIC MACH RANGE
Acoustic Table Guide

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%.

Surface Probe Temperature	Measurement Uncertainty
T (°C)	+/- 1.7

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 %

Maximal Probe Surface 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	18.5°C	Still air
L10-2	20.2°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
n_{pps}	number of pulses per ultrasonic scan line
P	output power
P_{1x1}	bounded-square output power

Symbol	Term
$P_{r,\alpha}$	attenuated peak-rarefactional acoustic pressure
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 range 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	☒	☒	☒	☒	☒	☒	☒	☒	☒
PW	☒	☒	☒	☒	☒	☒	☒	☒	☒
Color Doppler	☒	☒	☒	☒	☒	☒	☒	☒	☒
Power Doppler	☒	☒	☒	☒	☒	☒	☒	☒	☒
Directional Power Doppler	☒	☒	☒	☒	☒	☒	☒	☒	☒
SWE™ Mode	☒	☒	☒	☒	☒		☒	☒	☒
B-Mode + PW	☒	☒		☒	☒	☒	☒	☒	☒
B-mode + Color + PW	☒	☒		☒	☒	☒	☒	☒	☒
Harmonic Imaging	☒	☒	☒	☒	☒	☒	☒	☒	☒
CEUS		☒		☒				☒	☒
B-mode + 3D			☒						
SWE™ + 3D			☒						
M-mode		☒				☒		☒	☒
CW Mode						☒			
TriVu™	☒			☒					

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.

Values listed in the Acoustic Parameter and Other Information portion of the MI Column are only for the component pulses resulting in the maximum MI values except for the SWE mode. This includes the values of the time-average quantities: 'pr_r', 'sr_r', npps', 'Ispta', and 'Ispta,#' listed in the column.

L18-5

L18-5 B-MODE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.6	0.7	0.7	0.7	0.7	0.7
Index Component Value		0.65	--	0.65	--	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.2				
	W0 (mW)		293.69	257.97		27.04
	W1x1 (mW)		282.02	247.72		
	zs (cm)		--			
	zb (cm)				--	
	zMI (cm)	1.2				
	zpii.a (cm)	1.2				
Other Information	fawf (MHz)	4.1	5	5		5
	pr (Hz)	690				
	srr (Hz)	69				
	npps	10				
	lpa,a@zpii,a (W/cm2)	356.5				
	lspta,a@zpii,a (mW/cm2)	262.2				
	lspta@zpii (mW/cm2)	373.6				
pr@zpii (Mpa)	3.8					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		TIC
Condition 1	Application : Vascular ; Preset : Low Ext Arterial ; Harmonic ; Compound ; Optimization = Pen ; focal position 22 mm ; Sector size Small, Tissue tuner 1660 ; Acoustic Power 0 dB					
Condition 2	Application : Vascular ; Preset : Low Ext Arterial ; Harmonic ; Compound ; Optimization = Pen ; focal position 68 mm ; Sector size Small, Tissue tuner 1660 ; 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		1.8	5.3		5.4		3.3
Index Component Value			B : 0.22 C : 5.12	-- C : 2.05	B : 0.22 C : 5.13	-- C : 1.76	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 3.2					
	W0 (mW)		B : 12.34 C : 210.9		B : 12.34 C : 211.29		B : 17.49 C : 224.24
	W1x1 (mW)		B : 12.34 C : 210.9		B : 12.34 C : 211.29		
	zs (cm)			--			
	zb (cm)					--	
	zMI (cm)	B : 1.2					
	zpii,a (cm)	B : 1.2					
	fawf (MHz)	B : 4.1	B : 3.75 C : 5.1		B : 3.75 C : 5.1		B : 3.75 C : 5.1
Other Information	prf (Hz)	B : 120					
	srr (Hz)	B : 12					
	npps	B : 10					
	lpa,a@zpii,a (W/cm2)	B : 356.5					
	lspta,a@zpii,a (mW/cm2)	B : 45.6					
	lspta@zpii (mW/cm2)	B : 65					
	pr@zpii (Mpa)	B : 3.8					
Operating control Conditions	Condition 1	MI					
	Condition 2		TIS		TIB		TIC
Condition 1	B : Application : MSK ; Preset : Wrist Reg ; Harmonic ; Optimization = Pen ; focal position 22 mm ; Depth 30 mm ; Sector size Small, Tissue tuner 1620 ; PRF Max ; Acoustic Power 0 dB						
	C : Optimization = Pen ; Boost = High Definition ; Angio PL.U.S RT ; Color box position 30 mm ; Color box size Small ; scale 4 cm/s;						
Condition 2	B : Application : Vascular ; Preset : Up Ext Arterial ; Harmonic ; Optimization = Pen ; focal position 30 mm ; Depth 40 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max ; Acoustic Power 0 dB						
	C : Optimization = Gen ; Boost = Medium ; UltraFast Doppler Acquisition; Color box position 30 mm ; Color box size Small ; scale 90 cm/s;						

L18-5 SWE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.7	4.0		4.0		2.0
Index Component Value		B : 0.01 SWE : 0.52 TV : 3.47	B : 0.01 SWE : 0.32 TV : 1.2	B : 0.01 SWE : 0.57 TV : 2.32	B : 0.01 SWE : 1.67 TV : 1.23	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 3.2 SWE : 3.6				
	W0 (mW)		B : 0.48 SWE : 24.22 TV : 145.59	B : 0.48 SWE : 24.22 TV : 167.26		B : 0.06 SWE : 24.22 TV : 104.26
	W1x1 (mW)		B : 0.47 SWE : 24.22 TV : 145.59	B : 0.47 SWE : 24.22 TV : 167.26		
	zs (cm)		B : -- SWE : 1.594 TV : 2.703			
	zb (cm)				B : -- SWE : 1.636 TV : 2.703	
	zMI (cm)	B : 1.2 SWE : 1.1				
	zpii,a (cm)	B : 1.2 SWE : 1.1				
	fawf (MHz)	B : 3.8 SWE : 4.1	B : 5.63 SWE : 4.5 TV : 4.88	B : 5.63 SWE : 4.5 TV : 4.88		B : 5.63 SWE : 4.5 TV : 4.88
Other Information	per (Hz)	B : 96 SWE : 1.2				
	ser (Hz)	B : 12 SWE : 1.2				
	npps	B : 8 SWE : 1				
	ipsa,a@zpii,a (W/cm2)	B : 356.5 SWE : 291.2				
	Ispta,a@zpii,a (mW/cm2)	B : 4.6 SWE : 360.7				
	Ispta@zpii (mW/cm2)	B : 6.5 SWE : 565.3				
	pe@zpii (Mpa)	B : 3.8 SWE : 4.1				
	Operating control Conditions	Condition 1	MI			
	Condition 2		TIS	TIB	TIC	
Condition 1	B : Application : Breast; Preset : Breast ; Harmonic ; Optimization = Pen ; focal position 40 mm ; Depth 30 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB					
	SWE : Color box position 40 mm ; Color box size Small ; TriVu					
Condition 2	B : Application : Thyroid ; Preset : Thyroid ; Harmonic ; Optimization = Pen ; focal position 7 mm ; Depth 15 mm ; Sector size Large, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB					
	SWE : Color box position 10 mm ; Color box size Small ; TriVu					

L18-5 PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	0.7	0.1		0.3		1.4
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)				1.2	
	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)	112.0				
	lspta@zpii (mW/cm2)	174.3				
pr@zpii (Mpa)	1.8					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		
	Condition 3					TIC
Condition 1	Application : General ; Preset : General ; SV D 2 cm ; SV 1 mm ; Scale 8 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 7 cm ; SV 0.5 mm ; Scale 110 cm/s					
Condition 3	Application : General ; Preset : General ; SV D = 2 cm ; SV 1.5 mm ; Scale 190 cm/s					

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	2.4	2.4	2.4	2.4	3.5
Index Component Value			B : 2.14 NP : 0.26	B : -- NP : 0.12	B : 2.14 NP : 0.18	B : -- NP : 0.21	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 3.2					
	W0 (mW)		B : 144.76 NP : 11.41		B : 144.76 NP : 11.41		B : 162.35 NP : 11.41
	W1x1 (mW)		B : 129.02 NP : 11.41		B : 129.02 NP : 11.41		
	zs (cm)			B : -- NP : 2.341			
	zb (cm)					B : -- NP : 2.341	
	zMI (cm)	B : 1.7					
	zpii,a (cm)	B : 1.7					
	fswf (MHz)	B : 4.2	B : 4.17 NP : 4.88		B : 4.17 NP : 4.88		B : 4.17 NP : 4.88
Other Information	prr (Hz)	B : 605.4					
	srr (Hz)	B : 56					
	upps	B : 11					
	lpa,a@zpii,a (W/cm2)	B : 460.3					
	lspaa@zpii,a (mW/cm2)	B : 50.9					
	lspaa@zpii (mW/cm2)	B : 85.5					
	pr@zpii (Mpa)	B : 3.8					
Operating control Conditions	Condition 1	MI					
	Condition 2		TIS		TIB		TIC
Condition 1	Application : Abdominal ; Preset : Abdomen ; Harmonic ; Compound ; Optimization = Pen ; focal position 22 mm ; Sector size Small, Tissue tuner 1660 ; Acoustic Power 0 dB						
Condition 2	Application : Pediatric ; Preset : Intestine Pediatric ; Harmonic ; Compound ; Needle PL.U.S ; Optimization = Pen ; focal position 88 mm ; Sector size Small, Tissue tuner 1540 ; Acoustic Power 0 dB						

L10-2 COLOR DOPPLER

Index Label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum Index Value		1.8	5.3		5.4		3.3
Index Component Value			B : 0.22 C : 5.12	-- C : 2.05	B : 0.22 C : 5.13	-- C : 1.76	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 3.2					
	W0 (mW)		B : 12.34 C : 210.9		B : 12.34 C : 211.29		B : 17.49 C : 224.24
	W1x1 (mW)		B : 12.34 C : 210.9		B : 12.34 C : 211.29		
	zs (cm)			--			
	zb (cm)					--	
	zMI (cm)	B : 1.2					
	zpii,a (cm)	B : 1.2					
	fawf (MHz)	B : 4.1	B : 3.75 C : 5.1		B : 3.75 C : 5.1		B : 3.75 C : 5.1
	Other Information	pr (Hz)	B : 120				
srr (Hz)		B : 12					
npps		B : 10					
lpa,a@zpii,a (W/cm2)		B : 356.5					
lspta,a@zpii,a (mW/cm2)		B : 45.6					
lspta@zpii (mW/cm2)		B : 65					
pr@zpii (Mpa)		B : 3.8					
Operating control Conditions	Condition 1	MI					
	Condition 2		TIS		TIB		TIC
Condition 1	B : Application : Vascular ; Preset : Up Ext Arterial ; Harmonic ; Optimization = Pen ; focal position 22 mm ; Depth 30 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = High Definition ; Color box position 30 mm ; Color box size Small ; scale 41 cm/s;						
Condition 2	B : Application : Thyroid ; Preset : Thyroid ; Harmonic ; Optimization = Pen ; focal position 88 mm ; Depth 90 mm ; Sector size Samll, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Gen ; Boost = Medium ; Angio PL.U.S RT; Color box position 90 mm ; Color box size Small ; scale 10 cm/s;						

L10-2 SWE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.9	3.5		3.7		3.2
Index Component Value		B : 0.01 SWE : 0.2 TV : 3.24	B : 0.01 SWE : 0.15 TV : 1.81	B : 0.03 SWE : 0.32 TV : 2.86	B : 0.01 SWE : 0.85 TV : 2.68	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 1.9 SWE : 3.6				
	W0 (mW)		B : 0.65 SWE : 11.41 TV : 160.18	B : 0.58 SWE : 11.41 TV : 160.18		B : 0.65 SWE : 11.41 TV : 160.18
	W1xI (mW)		B : 0.65 SWE : 11.41 TV : 160.18	B : 0.58 SWE : 11.41 TV : 160.18		
	zs (cm)		B : -- SWE : 1.319 TV : 2.097			
	zb (cm)				B : -- SWE : 2.131 TV : 2.097	
	zMI (cm)	B : 2.3 SWE : 2.1				
	zpi,a (cm)	B : 2.3 SWE : 2.1				
	fawf (MHz)	B : 4.6 SWE : 3.8	B : 4.54 SWE : 3.75 TV : 4.5	B : 4.54 SWE : 3.75 TV : 4.5	B : 4.54 SWE : 3.75 TV : 4.5	B : 4.54 SWE : 3.75 TV : 4.5
Other Information	pr (Hz)	B : 560 SWE : 0.9				
	srr (Hz)	B : 56 SWE : 0.9				
	rpps	B : 10 SWE : 1				
	lpa,a@zpii,a (W/cm2)	B : 227.6 SWE : 374.3				
	lspta,a@zpi,a (mW/cm2)	B : 29.6 SWE : 249.6				
	lspta@zpii (mW/cm2)	B : 57.9 SWE : 430.9				
	pr@zpii (Mpa)	B : 2.6 SWE : 4.6				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB	TIC	
Condition 1	B : Application : Breast; Preset : Breast ; Harmonic ; Optimization ~ Pen ; focal position 40 mm ; Depth 30 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB SWE : Color box position 40 mm ; Color box size Small ; TriVu					
Condition 2	B : Application : Thyroid ; Preset : Thyroid ; Harmonic ; Optimization = Pen ; focal position 7 mm ; Depth 15 mm ; Sector size Large, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB SWE : Color box position 10 mm ; Color box size Small ; TriVu					

L10-2 PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.1	1.5		4.6		1.7
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)	4.0		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)	109.4				
	lspta@zpii (mW/cm2)	186.9				
pr@zpii (Mpa)	2.7					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS			
	Condition 3			TIB		
	Condition 4					TIC
Condition 1	Application : General ; Preset : General ; SV D 5 cm ; SV 3.6 cm ; Scale 20 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 7 cm ; SV 1 cm ; Scale 40 cm/s					
Condition 3	Application : General ; Preset : General ; SV D = 6.2 cm ; SV 1.6 cm ; Scale 80 cm/s					
Condition 4	Application : General ; Preset : General ; SV D = 5 cm ; 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	0.2	0.2	0.2	0.2	0.2
Index Component Value			0.2	0.2	0.2	0.2	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.7					
	W0 (mW)		7.4		7.4		16.9
	W1x1 (mW)		2.9		2.9		
	zs (cm)			N.D			
	zb (cm)					N.D	
	zMI (cm)	1.4					
	zpii,a (cm)	1.4					
	fawf (MHz)	4.9		4.3		4.3	
Other Information	prr (Hz)	275.0					
	srr (Hz)	55.0					
	ppps	5.0					
	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 1	Application : Thyroid ; Preset : Thyroid ; Optimization = Pen ; focal position 34 mm ; Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB						
Condition 2	Application : General ; Preset : General ; Optimization = Gen ; focal position 64 mm ; Sector size Small, Tissue tuner 1600 ; 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	0.4	0.4	0.65	0.7	0.9
Index Component Value		0.40	0.40	0.65	0.38	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.4				
	W0 (mW)		17.3		17.0	20.5
	W1x1 (mW)		0.4		0.4	
	zs (cm)			N.D		
	zb (cm)				N.D	
	zMI (cm)	0.7				
	zpii,a (cm)	0.7				
	fawf (MHz)	4.5	5.4		5.4	5.4
Other Information	prr (Hz)	330.0				
	srr (Hz)	30.0				
	ppps	11.0				
	lpa,a@zpii,a (W/cm2)	N.D				
	lsp,a,a@zpii,a (mW/cm2)	214.2				
	lsp,a,i@zpii (mW/cm2)	266.2				
	pr@zpii (Mpa)	4.4				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : General ; Preset : General ; Optimization = Gen ; focal position 7 mm ; Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					
Condition 2	Application : General ; Preset : General ; Optimization = Gen ; focal position 22 mm ; Sector size Small, Tissue tuner 1600 ; 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	0.1	0.1	0.2	0.2	0.1
Index Component Value		0.10	0.07	0.13	0.23	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.4				
	W0 (mW)		4.7		4.7	4.7
	W1x1 (mW)		4.7		4.7	
	zs (cm)			1.2		
	zb (cm)				1.9	
	zMI (cm)	2.2				
	zpii,a (cm)	2.2				
	fawf (MHz)	4.5	4.5		4.5	4.5
Other Information	prr (Hz)	6.0				
	srr (Hz)	1.0				
	ppps	6,1,3				
	lpa,a@zpii,a (W/cm2)	340.7				
	lsp,a,a@zpii,a (mW/cm2)	65.8				
	lsp,a,i@zpii (mW/cm2)	122.2				
	pr@zpii (Mpa)	3.3				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : General; Preset : General ; Harmonic ; Optimization = Gen ; focal position 35 mm ; Depth 45 mm ; Sector size Small, Tissue tuner 1660, PRF Max; Acoustic Power 0 dB . SWE box position 35 mm ; Color box size Small					
Condition 2	Application : General; Preset : General ; Optimization = Gen ; focal position 50 mm ; Depth 60 mm ; Sector size Small, Tissue tuner 1660, PRF Max; Acoustic Power 0 dB . SWE box position 50 mm ; Color box size Small					

MC12-3 PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.1	1.2		1.8		1.9
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)	4.5	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)	357.0				
	lspta@zpii (mW/cm2)	463.0				
pr@zpii (Mpa)	2.7					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		TIC
Condition 1	Application : General ; Preset : General ; SV D 2 cm ; SV 1 mm ; Scale 6 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 7 cm ; SV 2 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	1.7	1.23	1.23	1.23	1.23	3.11	
Index Component Value		1.23	--	1.23	--		
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.1					
	W0 (mW)		102.27		102.27	102.27	
	W1x1 (mW)		79.20		79.20		
	zs (cm)			--			
	zb (cm)				--		
	zMI (cm)	3.2					
	zpii,a (cm)	3.2					
Other Information	fawf (MHz)	1.5	1.48	1.48	1.48	1.48	
	prr (Hz)	900					
	srr (Hz)	20					
	mpps	45					
	lpa,a@zpii,a (W/cm2)	106.5					
	lspta,a@zpii,a (mW/cm2)	74.6					
	lspta@zpii (mW/cm2)	103.3					
	pr@zpii (Mpa)	2.4					
	Operating control Conditions	Condition 1	MI				
		Condition 2		TIS	TIB	TIC	
Condition 1	Application ; General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 30 mm ; Sector size Small, Tissue tuner 1660 ; Acoustic Power 0 dB						
Condition 2	Application ; General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 100 mm ; Sector size Small, Tissue tuner 1660 ; 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	1.71	3.21		3.21		4.85
Index Component Value		B : 1.21 C : 2	-- --	B : 1.21 C : 2	-- --	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 2.1				
	W0 (mW)		B : 86.93 C : 107.82		B : 86.93 C : 97.97	B : 117.61 C : 91.78
	W1x1 (mW)		B : 67.32 C : 90.86		B : 67.32 C : 82.56	
	zs (cm)			--		
	zh (cm)				--	
	zMI (cm)	B : 3.2				
	zpii,a (cm)	B : 3.2				
	fawf (MHz)	B : 1.5	B : 1.48 C : 2.2		B : 1.48 C : 2.2	B : 1.48 C : 2.2
Other Information	pr (Hz)	B : 1200				
	sr (Hz)	B : 20				
	npps	B : 60				
	lpa,a@zpii,a (W/cm2)	B : 106.5				
	lspia,a@zpii,a (mW/cm2)	B : 74.6				
	lspia@zpii (mW/cm2)	B : 103.3				
pr@zpii (Mpa)	B : 2.4					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		
	Condition 3					TIC
Condition 1	B : Application : General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 30 mm ; Depth 40 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = High Definition ; Color box position 30 mm ; Color box size Small ; scale 41 cm/s;					
Condition 2	B : Application : General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 160 mm ; Depth 170 mm ; Sector size Medium, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = Medium ; Color box position 160 mm ; Color box size Small ; scale 72 cm/s;					
Condition 3	B : Application : General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 120 mm ; Depth 130 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = Medium ; Color box position 120 mm ; Color box size Small ; scale 12 cm/s;					

P5-1X PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.5	1.8		4.5		3.0
Index Component Value		1.76	1.76	2.55	4.51	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.3				
	W0 (mW)		29.49		18.88	22.46
	W1x1 (mW)		22.79		14.59	
	zs (cm)		2.77			
	zb (cm)				4.786	
	zMI (cm)	5.9				
	zpii,a (cm)	6.2				
Other Information	fawf (MHz)	1.7	1.9		1.9	1.875
	prr (Hz)	1392				
	srr (Hz)	1392				
	npps	1				
	lpa,a@zpii,a (W/cm2)	167.4				
	lspta,a@zpii,a (mW/cm2)	274.5				
	lspta@zpii (mW/cm2)	337.2				
pr@zpii (Mpa)	3.2					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS			
	Condition 3			TIB		
	Condition 4					TIC
Condition 1	Application : General ; Preset : General ; SV D 9 cm ; SV 0.5 mm ; Scale 64.8 cm/s					
Condition 2	Application : Cardiac ; Preset : Cardiac ; SV D = 16 cm ; SV 20 mm ; Scale 64.8 cm/s					
Condition 3	Application : Vascular ; Preset : TCD ; SV D = 6 cm ; SV 2 mm ; Scale 90 cm/s					
Condition 4	Application : Cardiac ; Preset : Cardiac ; SV D = 15 cm ; SV 5 mm ; Scale 90 cm/s					

P5-1X CW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	0.1	1.2		3.3		3.7
Index Component Value		0.12	1.20	3.30	2.89	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	0.1				
	W0 (mW)		169.19		149.44	169.19
	W1x1 (mW)		2.22		2.68	
	zs (cm)		1.776			
	zb (cm)				1.783	
	zMI (cm)	1.8				
	zpii,a (cm)	1.8				
Other Information	fawf (MHz)	1.9	1.88		1.875	1.875
	prr (Hz)	9036				
	srr (Hz)	9036				
	npps	1				
	lpa,a@zpii,a (W/cm2)	0.1				
	lspta,a@zpii,a (mW/cm2)	445.1				
	lspta@zpii (mW/cm2)	567.3				
pr@zpii (Mpa)	0.1					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS			TIC
	Condition 3			TIB		
Condition 1	Application : Cardiac ; Preset : Cardiac ; SV D = 10 cm ; Scale 150 cm/s					
Condition 2	Application : Cardiac ; Preset : Cardiac ; SV D = 3.2 cm ; Scale 475 cm/s					
Condition 3	Application : Cardiac ; Preset : Cardiac ; SV D = 4.5 cm ; Scale 475 cm/s					

P5-1X M-MODE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.7	1.12	0.96	1.12	0.04	2.20
Index Component Value		1.12	0.96	1.12	0.04	
Associated Acoustic Parameters						
pr,a@zMI (Mpa)	2.3					
W0 (mW)			171.40		227.24	99.53
W1x1 (mW)			138.30		298.62	
zs (cm)			--			
zb (cm)					--	
zMI (cm)	3.3					
zpii,a (cm)	3.3					
fawf (MHz)	1.7		1.68		1.875	1.875
Other Information						
pr (Hz)	62					
srr (Hz)	62					
npps	1					
lpa,a@zpii,a (W/cm2)	195.3					
lspta,a@zpii,a (mW/cm2)	47.4					
lspta@zpii (mW/cm2)	199.8					
pr@zpii (Mpa)	2.7					
Operating control Conditions						
Condition 1	MI					
Condition 2			TIS		TIB	TIC
Condition 1	Application : Cardiac ; Preset : Cardiac ; Harmonic ; Optimization = Gen ; focal position 30 mm ; Sector size Small, Tissue tuner 1480 ; Acoustic Power 0 dB ; M zone 10 mm					
Condition 2	Application : General ; Preset : General ; Harmonic ; Optimization = Gen ; focal position 80 mm ; Sector size Large, Tissue tuner 1540 ; Acoustic Power 0 dB ; M zone 20 mm					

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	1.1	1.1	1.1	1.1	1.1
Index Component Value		1.1	1.1	1.1	1.1	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.0				
	WD (mW)		116.1		116.1	116.1
	W1x1 (mW)		7.5		7.5	
	zs (cm)			N.D		
	zb (cm)				N.D	
	zMI (cm)	1.6				
	zpii,a (cm)	2.0				
fawf (MHz)	5.3	1.9		1.9&ϕ		4.3
Other Information	prr (Hz)	220.0				
	srr (Hz)	55.0				
	npps	10.0				
	lpa,a@zpii,a (W/cm2)	95.8				
	lsp1a,a@zpii,a (mW/cm2)	13.3				
	lsp1a@zpii (mW/cm2)	24.0				
pr@zpii (Mpa)	2.4					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	
Condition 1	Application : Breast ; Preset : Breast ; Optimization ~ Gen ; focal position 15 mm ; Harmonic ; Super Compound Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					
Condition 2	Application : General ; Preset : General ; Optimization ~ Gen ; focal position 35 mm ; Sector size Small, Tissue tuner 1600 ; 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		1.4	2.9		2.9		2.1
Index Component Value			B : 0.01 C : 2.76	-- C : 1.14	B : 0.02 C : 2.71	-- C : 2.51	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 1.4					
	W0 (mW)		B : 5.16 C : 210.9		B : 5.16 C : 283.64		B : 5.16 C : 200.22
	W1x1 (mW)		B : 5.16 C : 210.9		B : 5.16 C : 283.64		
	zs (cm)			--			
	zb (cm)					--	
	zMI (cm)	B : 5					
	zpii,a (cm)	B : 5					
	fawf (MHz)	B : 2.9	B : 2.88 C : 2.75		B : 2.88 C : 2.75		B : 2.88 C : 2.75
	Other Information	pr (Hz)	B : 350				
srr (Hz)		B : 35					
npps		B : 10					
lpa,a@zpii,a (W/cm2)		B : 66.1					
lspta,a@zpii,a (mW/cm2)		B : 3.1					
lspta@zpii (mW/cm2)		B : 43.4					
pr@zpii (Mpa)		B : 2.3					
Operating control Conditions	Condition 1	MI					
	Condition 2		TIS		TIB		TIC
Condition 1	B : Application : Abdominal ; Preset : Abdominal Vascular ; Harmonic ; Optimization = Res ; focal position 66 mm ; Depth 80 mm ; Sector size Large, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = High Definition ; Color box position 66 mm ; Color box size Large ; scale 4 cm/s;						
Condition 2	B : Application : Vascular ; Preset : Renal ; Harmonic ; Optimization = Pen ; focal position 180 mm ; Depth 190 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = Medium ; Angio PL.U.S RT; Color box position 180 mm ; Color box size Small ; scale 90 cm/s;						

C9-2X SWE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.4	0.6		0.3		1.0
Index Component Value		0.64	0.27	0.25	0.28	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.4				
	W0 (mW)		41.1		25.0	41.1
	W1x1 (mW)		49.1		25.5	
	zs (cm)			2.3		
	zb (cm)				2.9	
	zMI (cm)	3.2				
	zpii,a (cm)	3.2				
fawf (MHz)	3.0	3.0		3.0		3.0
Other Information	prr (Hz)	17.0				
	srr (Hz)	1.0				
	npps	17,1,120				
	lpa,a@zpii,a (W/cm2)	303,4				
	lspta,a@zpii,a (mW/cm2)	8,8				
	lspta@zpii (mW/cm2)	5.3				
	pr@zpii (Mpa)	3.3				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : General; Preset : General ; Harmonic ; Optimization = Pen ; focal position 35 mm ; Depth 45 mm ; Sector size Small, Tissue tuner 1660; PRF Max; Acoustic Power 0 dB . SWE box position 35 mm ; SWE box size Small					
Condition 2	Application : General; Preset : General ; Harmonic ; Optimization = Gen ; focal position 50 mm ; Depth 60 mm ; Sector size Small, Tissue tuner 1660; PRF Max; Acoustic Power 0 dB . SWE box position 50 mm ; SWE box size Small					

C9-2X PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.1	1.0		2.4		3.5
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)	2.4	2.4		2.4		2.4
Other Information	prr (Hz)	785				
	srr (Hz)	N/A				
	npps	1				
	lpa,a@zpii,a (W/cm2)	146				
	lspta,a@zpii,a (mW/cm2)	357.0				
	lspta@zpii (mW/cm2)	463.0				
	pr@zpii (Mpa)	2.4				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : General ; Preset : General ; SV D 2 cm ; SV 1 mm ; Scale 6 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 14 cm ; 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	0.3	0.3	0.3	0.3	0.3
Index Component Value		0.3	0.3	0.3	0.3	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.7				
	WD (mW)		12.9		12.9	12.9
	W1x1 (mW)		2.6		2.6	
	zs (cm)			N.D		
	zb (cm)				N.D	
	zMI (cm)	0.6				
	zpii,a (cm)	0.6				
	fawf (MHz)	5.1	4.1		4.1	4.1
Other Information	pr (Hz)	275.0				
	srr (Hz)	55.0				
	npps	10.0				
	lpa,a@zpii,a (W/cm2)	673.6				
	lsp1a,a@zpii,a (mW/cm2)	229.1				
	lsp1a@zpii (mW/cm2)	288.6				
pr@zpii (Mpa)	4.3					
Operating control Conditions	Condition 1	MI				TIC
	Condition 2		TIS		TIB	
Condition 1	Application : General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 16 mm ; Super Compound Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					
Condition 2	Application : General ; Preset : General ; Harmonic ; Optimization = Gen ; focal position 28 mm ; Sector size Small, Tissue tuner 1600 ; 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	0.3		0.5		0.1
Index Component Value		1.23	0.91	1.02	1.84	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.6				
	W0 (mW)		13.37		13.37	4.30
	W1x1 (mW)		0.13		0.13	
	zs (cm)			1.16		
	zb (cm)				1.2	
	zMI (cm)	0.6				
	zpii,a (cm)	0.6				
Other Information	fawf (MHz)	5.8	5.75		5.75	5.75
	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 1	Application : Genitourinary ; Preset : Prostate ; Harmonic ; Optimization = Pen ; focal position 30 mm ; Sector size Small, Tissue tuner 1600 ; 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	0.4		0.8		1.0
Index Component Value		0.37	0.21	0.39	0.77	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.4				
	W0 (mW)		16.3		16.3	16.3
	W1x1 (mW)		16.9		16.9	
	zs (cm)			1.7		
	zb (cm)				2.1	
	zMI (cm)	1.9				
	zpii,a (cm)	2.0				
	fawf (MHz)	4.5	4.5		4.5	4.5
Other Information	prr (Hz)	19.0				
	srr (Hz)	1.0				
	npps	19,189				
	lpa,a@zpii,a (W/cm2)	522.9				
	lspta,a@zpii,a (mW/cm2)	2.7				
	lspta@zpii (mW/cm2)	5.8				
	pr@zpii (Mpa)	4.6				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		TIC
Condition 1	Application : GenitoUrinary; Preset : Prostate ; Harmonic ; Optimization = Pen ; focal position 20 mm ; Depth 30 mm ; Sector size Small, Tissue tuner 1660; PRF Max; Acoustic Power 0 dB . SWE box position 35 mm ; Color box size Small					
Condition 2	Application : General; Preset : General ; Optimization = Gen ; focal position 10 mm ; Depth 20 mm ; Sector size Small, Tissue tuner 1660; PRF Max; Acoustic Power 0 dB . SWE box position 10 mm ; SWE box size Small					

E12-3 PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.6	0.8	0.8	1.3	1.3	2.0
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				
Other Information	fawf (MHz)	4.5	4.5		4.5	4.5
	pr (Hz)	725				
	srr (Hz)	N/A				
	npps	1				
	lpa,a@zpii,a (W/cm2)	439.7				
	lspta,a@zpii,a (mW/cm2)	347.0				
	lspta@zpii (mW/cm2)	453.0				
pr@zpii (Mpa)	4.8					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		TIC
Condition 1	Application : General ; Preset : General ; SV D 4 cm ; SV 2 mm ; Scale 6.2 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 5 cm ; SV 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	2.5	2.5	2.2	2.5	2.2
Index Component Value		2.5	2.5	2.2	2.5	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.2				
	W0 (mW)		283.3		283.3	283.3
	W1x1 (mW)		12.6		12.6	
	zs (cm)			4.8		
	zb (cm)				4.8	
	zMI (cm)	1.8				
	zpii,a (cm)	1.7				
	fawf (MHz)	2.8	2.5		2.5	2.5
Other Information	prf (Hz)	17.0				
	srf (Hz)	8.0				
	npps	10.0				
	lpa,a@zpii,a (W/cm2)	156.1				
	lsp,a,a@zpii,a (mW/cm2)	1.3				
	lsp,a@zpii (mW/cm2)	1.9				
pr@zpii (Mpa)	2.7					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : General ; Preset : General ; Optimization = Res ; focal position 7 mm ; Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					
Condition 2	Application : General ; Preset : General ; Optimization = Pen ; focal position 4 mm ; Super Compound ; Sector size Small, Tissue tuner 1600 ; 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		1.6	1.7		2.9		3.7
Index Component Value			B : 0.01 C : 1.31	-- C : 1.58	B : 0.02 C : 2.7	-- C : 2.43	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 1.4					
	W0 (mW)		B : 1.26 C : 403.3		B : 1.26 C : 353.06		B : 1.26 C : 465.3
	W1x1 (mW)		B : 0.93 C : 398.16		B : 0.93 C : 348.57		
	zs (cm)			--			
	zb (cm)					--	
	zMI (cm)	B : 3.5					
	zpii,a (cm)	B : 3.5					
	fawf (MHz)	B : 1.8	B : 1.84 C : 2.75		B : 1.84 C : 2.75		B : 1.84 C : 2.75
	Other Information	pr (Hz)	B : 350				
srr (Hz)		B : 35					
npps		B : 10					
lpa,a@zpii,a (W/cm2)		B : 61.1					
lspta,a@zpii,a (mW/cm2)		B : 6.6					
lspta@zpii (mW/cm2)		B : 12.5					
pr@zpii (Mpa)		B : 1.7					
Operating control Conditions		Condition 1	MI				
	Condition 2		TIS		TIB		TIC
Condition 1	B : Application : General ; Preset : General ; Harmonic ; Optimization = Pen ; focal position 32 mm ; Depth 40 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Pen ; Boost = High Definition ; Color box position 30 mm ; Color box size Small ; scale 4 cm/s;						
Condition 2	B : Application : Vascular ; Preset : Renal ; Harmonic ; Optimization = Pen ; focal position 140 mm ; Depth 150 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max; Acoustic Power 0 dB C : Optimization = Res ; Boost = Medium ; Angio PL.U.S RT; Color box position 140 mm ; Color box size Small ; scale 90 cm/s;						

C6-1X SWE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.7	0.5		0.9		1.4
Index Component Value		0.51	0.21	0.49	0.88	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.4				
	WD (mW)		47.9		47.9	47.9
	W1x1 (mW)		49.0		49.0	
	zs (cm)			2.4		
	zb (cm)				2.9	
	zMI (cm)	3.0				
	zpii,a (cm)	3.1				
	fawf (MHz)	1.9	1.9		1.9	1.9
Other Information	pr (Hz)	16.0				
	srr (Hz)	19,1,89				
	npgs	16,1,47				
	lpa,a@zpii,a (W/cm2)	160.5				
	lspta,a@zpii,a (mW/cm2)	15.2				
	lspita@zpii (mW/cm2)	26.7				
	pr@zpii (Mpa)	2.8				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB	TIC	
Condition 1	Application : General; Preset : General ; Harmonic ; Optimization = Gen ; focal position 55 mm ; Depth 70 mm ; Sector size Small, Tissue tuner 1660; PRF Max; Acoustic Power 0 dB . SWE box position 55 mm ; SWE box size Small					
Condition 2	Application : General; Preset : General ; Optimization = Pen ; focal position 65 mm ; Depth 80 mm ; Sector size Small, Tissue tuner 1660; PRF Max; Acoustic Power 0 dB . SWE box position 65 mm ; SWE box size Small					

C6-1X PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.1	0.4	0.39	2.01	3.2	1.7
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)		38.72	114.74		
	zs (cm)			2.57		
	zb (cm)				3.88	
	zMI (cm)	3.7				
	zpii,a (cm)	4.1				
fawf (MHz)	1.9	1.937		1.937		1.937
Other Information	prr (Hz)	623				
	srr (Hz)	N/A				
	npps	1				
	lpa,a@zpii,a (W/cm2)	124.3				
	lspta,a@zpii,a (mW/cm2)	116.5				
	lspta@zpii (mW/cm2)	202.0				
pr@zpii (Mpa)	1.8					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS			
	Condition 3			TIB		TIC
Condition 1	Application : General ; Preset : General ; SV D = 3 cm ; SV 3 mm ; Scale 13 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 18 cm ; SV 1 mm ; Scale Max					
Condition 3	Application : General ; Preset : General ; SV D = 9 cm ; 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	1.7	0.3		0.2		0.2
Index Component Value		B : 0.06 NP : 0.2	B : -- NP : 0.09	B : 0.08 NP : 0.12	B : -- NP : 0.1	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	B : 4.5				
	W0 (mW)		B : 1.82 NP : 4.9	B : 1.82 NP : 4.9		B : 1.82 NP : 4.9
	W1x1 (mW)		B : 1.82 NP : 4.9	B : 1.82 NP : 4.9		
	zs (cm)			B : -- NP : 1.517		
	zb (cm)				B : -- NP : 1.517	
	zMI (cm)	B : 0.9				
	zpii,a (cm)	B : 0.9				
	fswf (MHz)	B : 7.5	B : 6.88 NP : 9	B : 6.88 NP : 9		B : 6.88 NP : 9
Other Information	prr (Hz)	B : 550				
	srr (Hz)	B : 50				
	upps	B : 11				
	lpa,a@zpii,a (W/cm2)	B : 507.6				
	lspaa@zpii,a (mW/cm2)	B : 18.9				
	lspaa@zpii (mW/cm2)	B : 27.6				
	pr@zpii (Mpa)	B : 5.5				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB	TIC	
Condition 1	Application : Breast ; Preset : Breast Reg ; Harmonic ; Optimization = Res ; focal position 12 mm ; Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					
Condition 2	Application : Breast ; Preset : Breast Reg ; Harmonic ; Compound ; Optimization = Res ; focal position 40 mm ; Sector size Small, Tissue tuner 1600 ; Needle PL.U.S. ; 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	0.3		0.3		0.01
Index Component Value		0.29	0.29	0.29	0.29	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.3				
	W0 (mW)		7.1		7.1	0.2
	W1x1 (mW)		0.03		0.03	
	zs (cm)			0.3		
	zb (cm)				1.2	
	zMI (cm)	0.9				
	zpii,a (cm)	1.0				
	fawf (MHz)	8.9	10.3		10.3	10.3
Other Information	prr (Hz)	35.0				
	srr (Hz)	3.0				
	ppps	1.0				
	lpa,a@zpii,a (W/cm2)	258.6				
	lsp,a,a@zpii,a (mW/cm2)	85.1				
	lsp,a@zpii (mW/cm2)	162.9				
	pr@zpii (Mpa)	4.3				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : MSK ; Preset : Knee ; Harmonic ; Optimization = Pen ; focal position 4 mm ; Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					
Condition 2	Application : General ; Preset : General ; Harmonic ; Optimization = Gen ; focal position 40 mm ; Sector size Small, Tissue tuner 1600 ; 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	0.5		0.8		1.4
Index Component Value		0.48	0.28	0.43	0.80	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.4				
	W0 (mW)		11.8		11.8	11.8
	W1x1 (mW)		11.8		11.8	
	zs (cm)			1.3		
	zb (cm)				1.5	
	zMI (cm)	1.5				
	zpii,a (cm)	1.5				
	fawf (MHz)	7.5	7.5		7.5	7.5
Other Information	prr (Hz)	80.0				
	srr (Hz)	2.0				
	ppps	80,2,252				
	lpa,a@zpii,a (W/cm2)	441.0				
	lsp,a,a@zpii,a (mW/cm2)	9.2				
	lsp,a@zpii (mW/cm2)	15.5				
	pr@zpii (Mpa)	4.8				
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : MSK ; Preset : Knee ; Harmonic ; Optimization = Pen ; focal position 5 mm ; Depth 7 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max ; Acoustic Power 0 dB . SWE box position 35 mm ; SWE box size Small					
Condition 2	Application : General ; Preset : General ; Harmonic Optimization = Pen ; focal position 40 mm ; Depth 50 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max ; Acoustic Power 0 dB . SWE box position 40 mm ; SWE box size Small					

LH20-6 PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.5	0.3	0.20	0.38	0.81	1.5
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)	7.3		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)	157.9				
	lspta@zpii (mW/cm2)	256.5				
pr@zpii (Mpa)	4.9					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : General ; Preset : General ; SV D 4 cm ; SV 0.5 mm ; Scale 10.3 cm/s					
Condition 2	Application : General ; Preset : General ; SV D = 0.4 cm ; SV 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	1.9	2.9	2.4	1.8	1.8	1.8
Index Component Value		2.9	2.4	1.8	1.2	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	2.5				
	WD (mW)		24.2		24.2	24.2
	Wlx1 (mW)		18.6		18.6	
	zs (cm)			1.2		
	zb (cm)					1.2
	zMI (cm)	1.2				
	zpii,a (cm)	1.5				
fawf (MHz)	5.0	5.0		5.0		5.0
Other Information	prr (Hz)	300.0				
	srr (Hz)	30.0				
	npps	10.0				
	lpa,a@zpii,a (W/cm2)	150.2				
	lspfa,a@zpii,a (mW/cm2)	399.6				
	lspfa@zpii (mW/cm2)	410.1				
pr@zpii (Mpa)	2.9					
Operating control Conditions	Condition 1	MI	TIS	TIB	TIC	
Condition 2	Application : General ; Preset : General ; Optimization = Pen ; focal position 52 mm ; Sector size Small, Tissue tuner 1600 ; 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	1.3	0.9		0.5		0.4
Index Component Value		0.87	0.05	0.49	0.05	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	3.0				
	W0 (mW)		56.1		56.1	56.1
	W1x1 (mW)		43.2		43.2	
	zs (cm)		1.2			
	zb (cm)				0.8	
	zMI (cm)	1.2				
	zpii,a (cm)	1.4				
Other Information	fiwff (MHz)	5.0	5.0	5.0		5.0
	prf (Hz)	107.0				
	srr (Hz)	107.0				
	ppps	1.0				
	lpa,a@zpii,a (W/cm2)	109.4				
	lspata,a@zpii,a (mW/cm2)	354.3				
	lspata@zpii (mW/cm2)	401.1				
pr@zpii (Mpa)	4.4					
Operating control Conditions	Condition 1	MI	TIS	TIB		TIC
Condition 1	Application : Breast ; Preset : Breast ; Harmonic ; Optimization = Gen ; focal position 68 mm ; Sector size Small, Tissue tuner 1600 ; Acoustic Power 0 dB					

LV16-5 SWE

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.9	1.0		1.3		1.4
Index Component Value		1.01	0.10	1.30	0.17	
Associated Acoustic Parameters	pr,a@zMI (Mpa)	4.1				
	W0 (mW)		45.5		50.6	33.5
	W1x1 (mW)		45.5		50.6	
	zs (cm)		1.3			
	zb (cm)				2.3	
	zMI (cm)	1.4				
	zpii,a (cm)	1.6				
Other Information	fiwff (MHz)	4.5	4.5	4.5		4.5
	prf (Hz)	19.0				
	srr (Hz)	1.0				
	ppps	19,1,109				
	lpa,a@zpii,a (W/cm2)	383.2				
	lspata,a@zpii,a (mW/cm2)	6.9				
	lspata@zpii (mW/cm2)	12.5				
pr@zpii (Mpa)	5.1					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS	TIB		TIC
Condition 1	Application : Breast ; Preset : Breast ; Harmonic ; Optimization = Gen ; focal position 68 mm ; Depth 80 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max ; Acoustic Power 0 dB . SWE box position 68 mm ; SWE box size Small					
Condition 2	Application : Breast ; Preset : Breast ; Harmonic ; Optimization = Pen ; focal position 80 mm ; Depth 90 mm ; Sector size Small, Tissue tuner 1660 ; PRF Max ; Acoustic Power 0 dB . SWE box position 80 mm ; SWE box size Small					

LV16-5 PW DOPPLER

Index Label	MI	TIS		TIB		TIC
		At surface	Below surface	At surface	Below surface	
Maximum Index Value	1.8	0.2		0.3		1.5
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)			0.1		
	zb (cm)				0.1	
	zMI (cm)	2.0				
	zpii,a (cm)	2.2				
Other Information	fawf (MHz)	4.1	4.1		4.1	4.1
	prr (Hz)	300				
	srr (Hz)	N/A				
	npps	1				
	lpa,a@zpii,a (W/cm2)	389				
	lspta,a@zpii,a (mW/cm2)	545.0				
	lspta@zpii (mW/cm2)	962.5				
pr@zpii (Mpa)	4.7					
Operating control Conditions	Condition 1	MI				
	Condition 2		TIS		TIB	TIC
Condition 1	Application : Breast ; Preset : Breast ; SV D 2 cm ; SV 1.5 mm ; Scale 6 cm/s					
Condition 2	Application : Breast ; Preset : Breast ; SV D = 6.4 cm ; SV 0.5 mm ; Scale 93 cm/s					

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