Additional information regarding the concept of ALARA and the possible bioeffects of Ultrasound is available in a document from the AIUM (American Institute of Ultrasound Medicine) title "*Medical Ultrasound Safety*".

1. Mechanical bioeffect and thermal bioeffect

The relationship of various ultrasound output parameters (frequency, acoustic pressure and intensity, etc) to bioeffects is not fully understood presently. It is recognized that two fundamental mechanisms may induce bioeffects. One is a thermal bioeffect with tissue absorption of ultrasound, and another one is a mechanical bioeffect based on cavitations. Thermal Index (TI) gives the relative index of temperature increase by thermal bioeffect, and Mechanical Index (MI) gives the relative index of mechanical bioeffect. TI and MI indices reflect instantaneous output conditions, so they do not consider the cumulative effects of the total examination time. TI and MI models contain practical simplifications to complex bioeffects interaction. Then the operator should be aware that the actual worst case temperature rise may be up to several times higher than the displayed TI value.

The mechanical bioeffects are the result of compression and decompression of insonated tissues with the formation of micro bubbles that may be referred to as cavitations.

MI is an index that shows the possibility of the cavitations generation based on acoustic pressure, and the value in which the peak-rarefactional acoustic pressure is divided by the square root of the frequency. Therefore MI value becomes smaller when the frequency is higher or the peak- rarefactional acoustic pressure is lower, it becomes difficult to generate the cavitations.

$$MI = \frac{P_{r,\alpha}}{\sqrt{f_{awf}}} \times C_{MI} \ ,$$

C_{MI} = 1 (MPa/Cd23.2 (r)-18.9 (es)-11 (s)-11 834 cm.08 u834 cm0 0 0.031f0.2o9 0 0.S 0 11.2210 02

The qualified operator may use the system controls to limit the ultrasound output and to adjust the quality of the images. There are three categories of system controls relative to output. They are

1. Controls that have direct effect on the output,
2. Controls that indirectly control output and
3. Controls that are receiver controls

- Direct Controls

It is possible to control, if necessary, the acoustic output with the rotary control Acoustic Power on the touch screen. In this case, the maximum value of the acoustic output never exceeds an MI of 1.9 and an $I_{SPTA.3}$ of 720 mW/cm^2 in any mode of operation.

- Indirect Controls

The controls that indirectly affect output are many imaging parameters. These are operating modes, frequency, focal point positions and overall depth.

The operating mode determines whether the ultrasound beam is scanning or non-scanning. Thermal bioeffect is closely connected to M Mode, PW Doppler and Color Mode. Acoustic attenuation of tissue is directly related to transducer frequency. The focal point is related to active aperture of transducer and beam width. For the higher PRF (pulse repetition frequency), the more output pulses occur over a period of time.

- Receiver Controls

The receiver controls (for example, gain, dynamic range, and enhance, etc.) do not affect output. These controls should be used, when possible, to improve the image quality before using controls that directly or indirectly affect output.

In order to determine the relevant Ultrasonic Output Parameters, a method is used which allows for the comparison of ultrasound systems which operate at different frequencies and are focused at different depths. This approach, called "derating" or "attenuating", adjusts the acoustic output as measured in a water tank to account for the effect of ultrasound propagation through tissue. By convention, a specific average intensity attenuation value is used, which corresponds to a loss of 0.3 dB/cm/MHz. That is, the intensity of ultrasound will be reduced by 0.3 dB/MHz for every centimeter of travel from the transducer. This can be expressed by the following equation:

$$I_{atten} = I_{water}\, x10^{(\ \ 0.3/10 \times f_c \times z)}$$

Where Iatten is the attenuated intensity, Iwater is the intensity measured in a water tank (at distance z), fc is the center frequency of the ultrasound wave (as measured in water), and z is the distance from the transducer. The equation for attenuating pressure values is similar except that the attenuation coefficient is 0.15 dB/cm/MHz, or one-half the intensity coefficient. The intensity coefficient is double the pressure coefficient because intensity is proportional to the square of pressure.

Although the attenuation coefficient chosen, 0.3 dB/cm/MHz, is significantly lower than any specific solid tissue in the body, this value was chosen to account for fetal examinations. In

early trimester ultrasound fetal examinations, there may be a significant fluid path between the transducer and the fetus, and the attenuation of fluid is very small. Therefore the attenuation coefficient was lowered to account for this case.

In accordance with the FDA Track 3 requirements, the derating (or attenuated) approach was incorporated into the FDA Acoustic Output Limits, as listed below. The maximum acoustic output level from any transducer in any operating mode is expected to fall below these limits.

FDA Maximum Acoustic Output Limits for Track 3 (Attenuated Values)

Application	$I_{spta.3}$ (mW/cm^2)	$I_{sppa.3}$ (W/cm^2)		MI
All regions (except eyes)	720		or	

Transducer Model: L7-3

Imaging Mode: B+PW-mode

Maximum index value		1.27	0.49		1.15		0.96
Index component value			0.49	0.41	0.72	1.15	
	$p_{r,}$ at z_{MI} (MPa)	2.48					

Acoustic Parameters

Transducer Model: L7-3

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.13	0.90		0.90		1.89
Index component value			0.90	0.90	0.90	0.90	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.39					
	P (mW)		116.80		117.00		125.20
	$P_{1\times1}$ (mW)		38.28		38.36		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	2.52					
	$z_{pii,}$ (cm)	2.52					
	f_{awf} (MHz)	4.47	4.97		4.97		4.41
Other Information	prr (Hz)	3,093.00					
	srr (Hz)	15.00					
	n_{pps}	2.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	290.24					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	3.80					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	8.25					
	p_r at z_{pii} (MPa)	3.52					
	Acoustic power	100%	100%		100%		100%
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm
	B Focus Position	2.5cm	9.0cm		9.0cm		10.0cm
Operating control conditions	Cocusg	9.0cm	9.0cm	10.0cm			

Transducer Model: L7-3

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.68	0.63		1.35		1.25	
Index component value			0.63	0.55	0.63	1.35		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.33						
	P (mW)		58.17		58.17		65.52	
	$P_{1\times1}$ (mW)		26.98		27.00			
	z_s (cm)			1.01				
	z_b (cm)					1.01		
	z_{MI} (cm)	0.74						
	$z_{pii,}$ (cm)	0.74						
	f_{awf} (MHz)	3.84	4.97		4.97		4.88	
Other Information	prr (Hz)	4,442.00						
	srr (Hz)	11.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	60.46						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	254.60						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	310.06						
	p_r at z_{pii} (MPa)	1.46						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	2.8cm	2.8cm		2.8cm		2.8cm	
	B Focus Position	1.0cm	1.0cm		1.0cm		1.0cm	
	Color SG Position	1.0cm	1.0cm		1.0cm		1.0cm	
	PW SV Position	1.0cm	1.0cm		1.0cm		1.0cm	
	B Working Frequency	5	5		5		4	

Transducer Model: L7-3

Imaging Mode: CM/B+CM

Maximum index value		1.24	0.40		1.52		0.68
Index component value			0.40	0.26	0.43	1.52	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.74					
	P (mW)		19.06		27.35		27.35
	$P_{1\times1}$ (mW)		17.60		23.87		
	z_s (cm)			1.73			
	z_b (cm)					3.42	
	z_{MI} (cm)	0.96					
	$z_{pii,}$ (cm)	0.96					
	f_{awf} (MHz)	4.85	4.81		4.25		4.25
Other Information	*prr* (Hz)	1,500.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	310.39					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	345.35					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	476.97					
	p_r at z_{pii} (MPa)	3.22					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	2.8cm	12.9cm		12.9cm		12.9cm
	M Focus Position	1.0cm	3.5cm		4.0cm		4.0cm
	CM Focus Position	1.0cm	3.5cm		4.0cm		4.0cm
	M Working Frequency	5	5		4		4
	CM Working Frequency	5	5		3.8		3.8
	M PRF	125	125		250		250
	CM PRF	1500	1500		1500		1500

Transducer Model: 3C5A

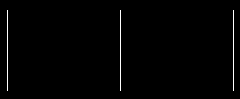
Imaging Mode: M-mode

Maximum index value		1.30	0.18		0.65		0.41
Index component value			0.14	0.18	0.41	0.65	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.31					
	P (mW)		22.03		16.19		16.19
	$P_{1\times1}$ (mW)		9.83		12.95		
	z_s (cm)			2.65			
	z_b (cm)					1.57	
	z_{MI} (cm)	3.79					
	$z_{pii,}$ (cm)	3.79					
	f_{awf} (MHz)	3.14	3.04		3.30		3.30
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	277.61					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	167.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	400.50					
	p_r at z_{pii} (MPa)	3.33					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	16.6cm	16.6cm		4.6cm		4.6cm
	Focus position	4.0cm	6.0cm		2.0cm		2.0cm
	Working Frequency	3.5	3.5		3.5		3.5
	PRF	1000	1000		1000		1000

Transducer Model: 3C5A

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape

Maximum index value		1.27	0.02		0.08		0.08
Index component value			0.02	0.02	0.08	0.02	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.26					
	P (mW)		10.00		10.00		10.00
	$P_{1\times1}$ (mW)		1.38		1.38		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	3.95					
	$z_{pii,}$ (cm)	3.95					
	f_{awf} (MHz)	3.16	2.71		2.71		2.71
Other Information	*prr* (Hz)	3,299.00					
	srr (Hz)	37.00					
	n_{pps}	2.33					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	232.09					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	16.08					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	39.13					
	p_r at z_{pii} (MPa)	3.33					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	16.6cm	4.6cm		4.6cm		4.6cm
	Focus position	4.0cm	2.0cm		2.0cm		2.0cm
	Working Frequency	3.5	2		2		2
	PRF	3299	8992		8992		8992



Transducer Model: 3C5A

Imaging Mode: PW-mode

[redacted]				
				2.29
				73.01
				2.55

Transducer Model: 3C5A

Imaging Mode: B+PW-mode

Maximum index value		1.29	0.26		2.65		2.21
Index component value			0.26	0.26	0.68	2.65	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.05					
	P (mW)		35.00		78.48		77.65
	$P_{1\times1}$ (mW)		21.39		56.17		
	z_s (cm)			1.28			
	z_b (cm)					1.28	
	z_{MI} (cm)	3.50					
	$z_{pii,}$ (cm)	3.50					
	f_{awf} (MHz)	2.52	2.72		2.76		2.75
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	23.00					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	324.11					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	338.72					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	630.32					
	p_r at z_{pii} (MPa)	2.63					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	16.6cm	4.6cm		16.6cm		4.6cm
	B Focus Position	4.0cm	2.0cm		2.0cm		2.0cm
	SV Position	4.0cm	2.0cm		2.0cm		2.0cm
	B Working Frequency	2	2		2		2
	PW Working Frequency	2.5	2.5		2.5		2.5
	B PRF	2099	8394		811		2241
	PW PRF	699	699		4269		4269
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 3C5A

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.21	0.06		0.06		0.21	
Index component value			0.06	0.06	0.06	0.06		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.92						
	P (mW)		20.00		20.00		20.00	
	$P_{1\times1}$ (mW)		4.53		4.53			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	3.64						
	$z_{pii,}$ (cm)	3.64						
	f_{awf} (MHz)	2.52	2.72		2.72		2.72	
Other Information	*prr* (Hz)	3,856.00						
	srr (Hz)	17.00						
	n_{pps}	39.00						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	299.35						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	22.83						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	43.04						
	p_r at z_{pii} (MPa)	2.63						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	16.6cm	16.6cm		16.6cm		16.6cm	
	B Focus Position	4.0cm	2.0cm		2.0cm		2.0cm	
	Color Sampling Gate Position	4.0cm	2.0cm		2.0cm		2.0cm	
	B Working Frequency	2	2		2		2	
	C Working Frequency	2.5	2.5		2.5		2.5	
	B PRF	1501	1847		1847		1847	
	Color PRF	3856	4450		4450		4450	

Transducer Model: 3C5A

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		1.22	0.27		2.38		0.91
Index component value			0.27	0.27	0.71	2.38	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.94					
	P (mW)		42.68		87.40		42.68
	$P_{1\times1}$ (mW)		22.17		58.46		
	z_s (cm)			1.28			
	z_b (cm)					1.28	
	z_{MI} (cm)	1.29					
	$z_{pii,}$ (cm)	1.29					
	f_{awf} (MHz)	2.52	2.71		2.76		2.71
Other Information	prr (Hz)	699.00					
	srr (Hz)	38.00					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	192.86					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	188.56					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	332.71					
	p_r at z_{pii} (MPa)	2.01					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	4.6cm	4.6cm		4.6cm		4.6cm
	B Focus Position	3.0cm	2.0cm		2.0cm		2.0cm
	Color SG Position	3.0cm	2.0cm		2.0cm		2.0cm
	PW SV Position	3.0cm	2.0cm		2.0cm		2.0cm
	B Working Frequency	2	2		2		2
	C Working Frequency	2.5	2.5		2.5		2.5
	PW Working Frequency	2.5	2.5		2.5		2.5
	B PRF	3730	3729		1818		3729
	C PRF	8549	9322		1741		9322
	PW PRF	699	699		3447		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 3C5A

Imaging Mode: CM/ B+CM

Maximum index value		1.14	0.82		1.70		1.78	
Index component value			0.54	0.82	0.54	1.70		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.87						
	P (mW)		112.92		112.92		57.19	
	$P_{1\times1}$ (mW)		45.04		45.04			
	z_s (cm)			3.18				
	z_b (cm)					4.10		
	z_{MI} (cm)	3.58						
	$z_{pii,}$ (cm)	3.58						
	f_{awf} (MHz)	2.70	2.73		2.73		2.72	
Other Information	*prr* (Hz)	166.00						
	srr (Hz)	/						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	219.53						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	26.98						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	52.53						
	p_r at z_{pii} (MPa)	2.61						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	16.6cm	16.6cm		16.6cm		4.6cm	
	M Focus Position	3.0cm	7.0cm		7.0cm		2.0cm	
	CM Focus Position	3.0cm	7.0cm		7.0cm		2.0cm	
	M Working Frequency	2	2		2		2	
	CM Working Frequency	2.5	2.5		2.5		2.5	
	M PRF	166	166		166		166	
	CM PRF	1666	1666		1666		1666	

de

0.93	0.10		0.50		0.32
	0.10	0.07	0.38	0.50	
1.99					

4.62 15.50 13.31

Transducer Model: 7L4A

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape/Elastography

Maximum index value		0.89	0.20		0.64		0.64
Index component value			0.20	0.20	0.64	0.21	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.90					
	P (mW)		38.00		38.00		38.00
	$P_{1\times1}$ (mW)		9.90		9.90		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	2.15					
	$z_{pii,}$ (cm)	2.15					
	f_{awf} (MHz)	4.57	4.29		4.37		4.40
Other Information	*prr* (Hz)	5,675.00					
	srr (Hz)	25.00					
	n_{pps}	2.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	298.66					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	8.09					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	15.94					
	p_r at z_{pii} (MPa)	2.75					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	Focus position	2.5cm	10.0cm		10.0cm		10.0cm
	Working Frequency	H8.0	H7.2		H7.2		H7.2
	PRF	5675	5675		5675		5675

Transducer Model: 7L4A

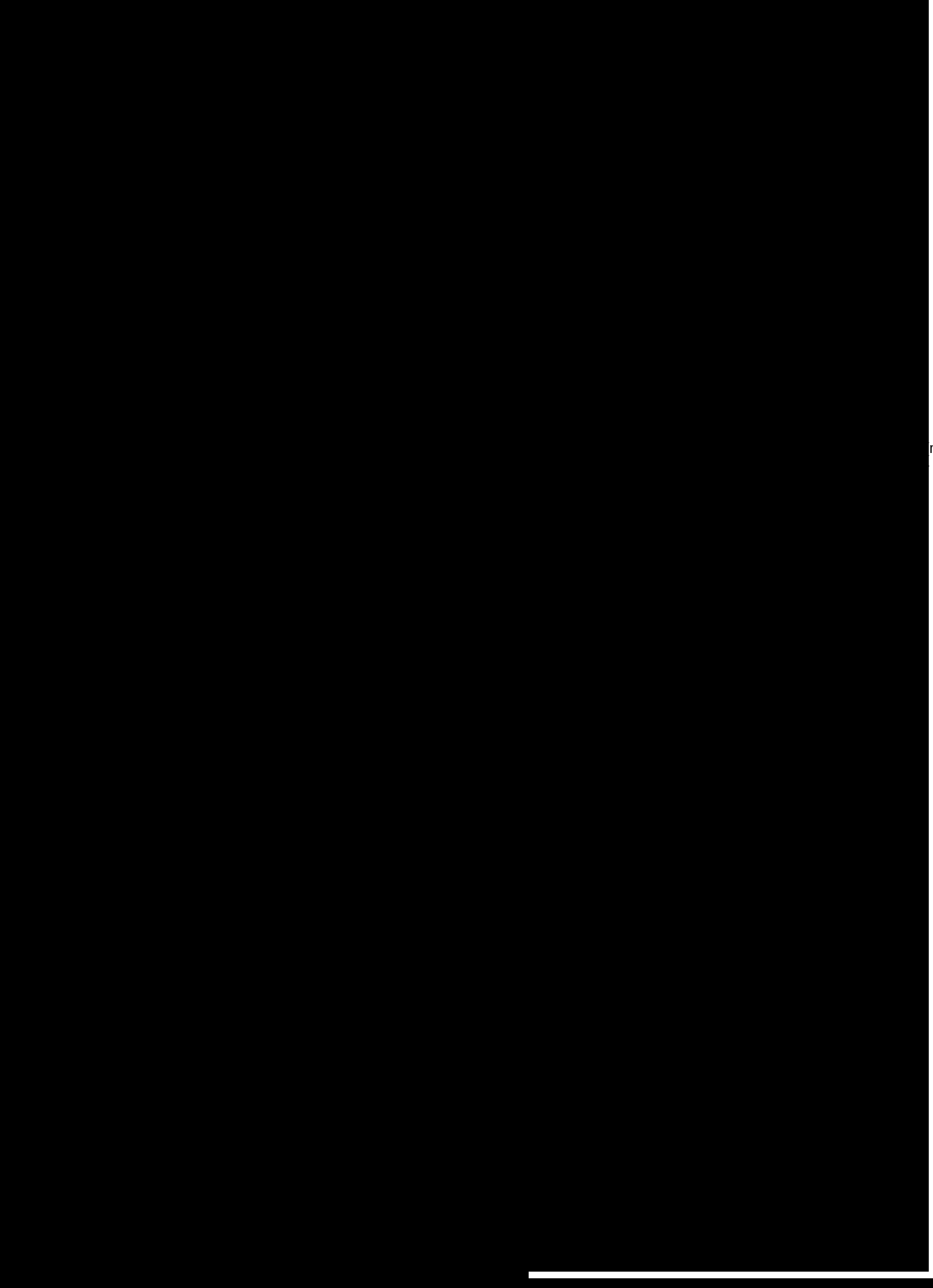
Imaging Mode: B+M-mode

Maximum index value		1.01	0.31		0.38		0.77
Index component value			0.30	0.31	0.14	0.38	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.17					
	P (mW)		48.66		18.73		42.66
	$P_{1\times1}$ (mW)		14.52		6.90		
	z_s (cm)			1.68			
	z_b (cm)					1.18	
	z_{MI} (cm)	2.34					
	$z_{pii,}$ (cm)	2.34					
	f_{awf} (MHz)	4.59	4.42		4.37		4.45
Other Information	*prr* (Hz)	999.00					
	srr (Hz)	17.00					
	n_{pps}	/					
	$I_{pa,}$ at z						

Transducer Model: 7L4A

Imaging Mode: B+PW-mode

				9


mW)·

Transducer Model: 7L4A

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.75	0.73		0.86		1.77	
Index component value			0.73	0.71	0.70	0.86		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.51						
	P (mW)		87.97		86.71		86.80	
	$P_{1\times1}$ (mW)		32.51		31.24			

Transducer Model: 7L4A

Imaging Mode: CM/B+CM

Transducer Model: CB10-4E_T

Imaging Mode: M-mode

Maximum index value		1.20	0.16		0.73		0.19	
Index component value			0.16	0.09	0.32	0.73		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.87						
	P (mW)		5.55		8.28		5.76	

Transducer Model: CB10-4E_T

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape

Maximum index value		0.94	0.03		0.07		0.07	
Index component value			0.03	0.03	0.07	0.03		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.01						
	P (mW)		3.60		3.50		3.70	
	$P_{1\times1}$ (mW)		1.37		1.33			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.46						
	$z_{pii,}$ (cm)	1.46						

Transducer Model: CB10-4E_T

Imaging Mode: _B+M-mode

Maximum index value		1.18	0.12		0.74		0.58	
Index component value			0.12	0.09	0.22	0.74		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.51						
	P (mW)		7.07		10.15		14.98	
	$P_{1\times1}$ (mW)		4.84		10.15			
	z_s (cm)			1.33				
	z_b (cm)					1.65		
	z_{MI} (cm)	1.46						
	$z_{pii,}$ (cm)	1.46						
	f_{awf} (MHz)	4.51	5.12		4.66		4.44	
Other Information	*prr* (Hz)	2,000.00						
	srr (Hz)	43.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	249.97						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	232.02						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	373.90						
	p_r at z_{pii} (MPa)	2.96						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm	
	B/M Focus position	1.5cm	5.5cm		2.0cm		10.0cm	
	B/M Working Frequency	H9.0	5		H9.0		H9.0	
	B PRF	3000	4000		3000		3000	
	M PRF	2000	1000		2000		2000	

Transducer Model: CB10-4E_T

Imaging Mode: PW-mode

Maximum index value		1.29	0.27		1.16		0.66
Index component value			0.27	0.19	0.59	1.16	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	3.05					
	P (mW)		11.96		13.13		10.40
	$P_{1\times1}$ (mW)		11.96		13.13		
	z_s (cm)			1.17			
	z_b (cm)					1.46	
	z_{MI} (cm)	0.50					
	$z_{pii,}$ (cm)	0.50					
	f_{awf} (MHz)	5.57	4.81		4.81		4.80
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm²at	386.48		a	t		
	$I_{spta,}$ at z						

Transducer Model: CB10-4E_T

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.19	0.06		0.07		0.14
Index component value			0.06	0.06	0.07	0.07	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.59					
	P (mW)		6.80		7.30		7.30
	$P_{1\times1}$ (mW)		2.55		2.74		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.17					
	$z_{pii,}$ (cm)	1.17					
	f_{awf} (MHz)	4.77	5.31		5.31		5.26
Other Information	*prr* (Hz)	1,504.00					
	srr (Hz)	10.00					
	n_{pps}	39.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	347.26					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	8.00					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	12.09					
	p_r at z_{pii} (MPa)	3.05					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm
	B Focus Position	1.0cm	2.5cm		2.5cm		2.5cm
	Color Sampling Gate Position	1.0cm	2.5cm		2.5cm		2.5cm
	B Working Frequency	5	5		5		5
	C Working Frequency	4.7	4.7		4.7		4.7
	B PRF	3155	1933		1933		2841
	Color PRF	1504	6051		6051		4446

Transducer Model: CB10-4E_T

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.67	0.23		1.09		0.89	
Index component value			0.23	0.19	0.37	1.09		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.59						
	P (mW)		14.27		17.04		15.97	
	$P_{1\times1}$ (mW)		10.06		16.05			
	z_s (cm)			0.88				
	z_b (cm)					1.17		
	z_{MI} (cm)	1.36						
	$z_{pii,}$ (cm)	1.36						
	f_{awf} (MHz)	5.63	5.28		5.28		5.23	
Other Information	*prr* (Hz)	1,456.00						
	srr (Hz)	8.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	138.00						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	2.00						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.41						
	p_r at z_{pii} (MPa)	1.98						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	3.7cm	3.7cm		3.7cm		3.7cm	
	B Focus Position	1.0cm	1.0cm		1.0cm		0.5cm	
	Color SG Position	1.0cm	1.0cm		1.0cm		0.5cm	
	PW SV Position	1.0cm	1.0cm		1.0cm		0.5cm	
	B Working Frequency	6.5	5		5		5	
	C Working Frequency	5.7	4.7		4.7		4.7	
	PW Working Frequency	4.7	4.7		4.7		4.7	
	B PRF	1799	1213		2860		2860	
	C PRF	1456	2668		562		562	
	PW PRF	3426	3442		6620		6620	
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm	

Transducer Model: CB10-4E_T

Imaging Mode: CM/B+CM

Maximum index value		0.90	0.22		0.87		0.45
Index component value			0.22	0.15	0.20	0.87	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.98					
	P (mW)		9.62		8.96		7.12
	$P_{1\times1}$ (mW)		9.62		8.96		
	z_s (cm)			1.17			
	z_b (cm)					1.75	
	z_{MI} (cm)	1.52					
	$z_{pii,}$ (cm)	1.52					
	f_{awf} (MHz)	4.78	5.24		5.24		5.15
Other Information	*prr* (Hz)	1,750.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	225.14					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	308.46					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	510.66					
	p_r at z_{pii} (MPa)	2.54					

Operating control conditions

A
cc c
c ons .003 Tw 9( )T0.68 -1.342 Td[(c)-4r054c92
c2J0.7370cons .003 Tw 9.82
c0J0.7375cons .003 T.487.2 033268re201 0.48ref112.533268re01 0.48reef114 33268re01 0.48ree233.3f1148 00.48 0.48re233.3326
c2J0.7370cons .003 Tw 9.87
c0J0.7375cons .003 T.487.2 0149 re201 0.48ref112.5149 re01 0.48reef114 149 re01 0.48ree233.1520 re2048 0.48re233.149
c4J0.7377 .003 Tw 9ons .003 Tw 9.52
c 4J0.7377 .003 Tw 9ons .003 Tw 9.62
c4J0.4377 .003 Tw 9ons .003 Tw 9.72
c4J0.4377 .003 Tw 9ons .003 T.487.2 171114 re201 0.48ref112.171114 re01 0.48reef114171114 re01 0.48ree233171330
125ns .TTw 9ons .003 Tw 9.802
c125ns .TTw 9ons .003 Tw 9.812
c250ns .TTw 9ons .003 Tw 9.822
c 250ns .TTw 9ons .003 T.487.2 1517.2 re201 0.48ref112.1517.2 re01 0.48reef1141517.2 re01 0.48ree2331 2

Transducer Model: CB10-4E_S

Imaging Mode: M-mode

Maximum index value		1.20	0.16		0.73		0.19
Index component value			0.16	0.09	0.32	0.73	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.87					
	P (mW)		5.55		8.28		5.76
	$P_{1\times1}$ (mW)		5.55		8.28		
	z_s (cm)			1.33			
	z_b (cm)					1.46	
	z_{MI} (cm)	1.65					
	$z_{pii,}$ (cm)	1.65					
	f_{awf} (MHz)	5.67	5.94		4.54		5.59
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	261.13					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	95.20					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	185.39					
	p_r at z_{pii} (MPa)	3.78					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm
	Focus position	1.5cm	10.0cm		2.0cm		4.5cm
	Working Frequency	6.5	7.5		H9.0		6.5
	PRF	1000	1000		1999		1000

Transducer Model: CB10-4E_S

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape

Maximum index value		0.94	0.03		0.07		0.07	
Index component value			0.03	0.03	0.07	0.03		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.01						
	P (mW)		3.60		3.50		3.70	
	$P_{1\times1}$ (mW)		1.37		1.33			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.46						
	$z_{pii,}$ (cm)	1.46						
	f_{awf} (MHz)	4.62	5.11		5.11		5.11	
Other Information	*prr* (Hz)	5,356.00						
	srr (Hz)	116.00						
	n_{pps}	2.33						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	205.15						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	23.97						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	39.32						
	p_r at z_{pii} (MPa)	2.59						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm	
	Focus position	1.5cm	5.5cm		5.5cm		5.5cm	
	Working Frequency	H9.0	5		5		5	
	PRF	5356	5356		5356		5356	

Transducer Model: CB10-4E_S

Imaging Mode: PW-mode

Maximum index value		1.29	0.27		1.16		0.66
Index component value			0.27	0.19	0.59	1.16	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	3.05					
	P (mW)		11.96		13.13		10.40
	$P_{1\times1}$ (mW)		11.96		13.13		
	z_s (cm)			1.17			
	z_b (cm)					1.46	
	z_{MI} (cm)	0.50					
	$z_{pii,}$ (cm)	0.50					
	f_{awf} (MHz)	5.57	4.81		4.81		4.80
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at *zz*						

Transducer Model: CB10-4E_S

Imaging Mode: B+PW-mode

Maximum index value		1.29	0.23		1.31		0.73	
Index component value			0.23	0.16	0.33	1.31		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.82						
	P (mW)		11.99		15.50		12.96	
	$P_{1\times1}$ (mW)		9.83		14.26			
	z_s (cm)			1.33				
	z_b (cm)					1.36		
	z_{MI} (cm)	1.17						
	$z_{pii,}$ (cm)	1.17						
	f_{awf} (MHz)	4.78	5.09		5.34		5.19	
Other Information	*prr* (Hz)	699.00						
	srr (Hz)	10.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	371.47						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	207.20						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	309.99						
	p_r at z_{pii} (MPa)	3.23						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm	
	B Focus Position	1.0cm	10.0cm		1.5cm		0.5cm	
	SV Position	1.0cm	10.0cm		1.5cm		0.5cm	
	B Working Frequency	5	5		5		5	
	PW Working Frequency	4.7	4.7		4.7		4.7	
	B PRF	4199	4199		1323		1323	
	PW PRF	699	699		4269		4269	
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm	

Transducer Model: CB10-4E_S

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.19	0.06		0.07		0.14
Index component value			0.06	0.06	0.07	0.07	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.59					
	P (mW)		6.80		7.30		7.30
	$P_{1\times1}$ (mW)		2.55		2.74		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.17					
	z (cm)	1.17					

26

Transducer Model: CB10-4E_S

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

of537.84 714.48 0.48

Transducer Model: CB10-4E_S

Imaging Mode: CM/B+CM

Maximum index value		0.90	0.22		0.87		0.45	
Index component value			0.22	0.15	0.20	0.87		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.98						
	P (mW)		9.62		8.96		7.12	
	$P_{1\times1}$ (mW)		9.62		8.96			
	z_s (cm)			1.17				
	z_b (cm)					1.75		
	z_{MI} (cm)	1.52						
	$z_{pii,}$ (cm)	1.52						
	f_{awf} (MHz)	4.78	5.24		5.24		5.15	
Other Information	*prr* (Hz)	1,750.00						
	srr (Hz)	/						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	225.14						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	308.46						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	510.66						
	p_r at z_{pii} (MPa)	2.54						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	12.9cm	12.9cm		12.9cm		3.7cm	
	M Focus Position	1.5cm	2.5cm		2.0cm		0.5cm	
	CM Focus Position	1.5cm	2.5cm		2.0cm		0.5cm	
	M Working Frequency	5	5		5		5	
	CM Working Frequency	03 Tc 0.003 Tw 4.289 0 TTw 4.289 0 Td[(03 Tc 0.03 Tc 0.003 Tw 4.289 0 TTw4 ref56.						

Transducer Model: P4-2

Imaging Mode: M-mode

Maximum index value		1.43	0.38		1.63		0.67
Index component value			0.38	0.29	0.99	1.63	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.55					
	P (mW)		31.79		46.98		31.79
	$P_{1\times1}$ (mW)		27.41		40.50		
	z_s (cm)			2.00			
	z_b (cm)					2.91	
	z_{MI} (cm)	2.04					
	$z_{pii,}$ (cm)	2.04					
	f_{awf} (MHz)	3.19	2.88		1.77		2.88
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	315.14					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	171.89					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	274.01					
	p_r at z_{pii} (MPa)	3.20					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	16.6cm	16.6cm		16.6cm		16.6cm
	Focus position	3.0cm	6.0cm		6.0cm		6.0cm
	Working Frequency	4	4		H3.4		4
	PRF	1000	1000		1000		1000

Transducer Model: P4-2

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape

Maximum index value			1.24	0.97		1.66		1.70
Index component value				0.97	0.97	1.66	0.97	
Acoustic Parameters	$p_{r,}$ at z_{MI}	(MPa)	1.76					
	P	(mW)		79.00		79.00		81.10
	$P_{1\times1}$	(mW)		68.10		68.10		

Transducer Model: P4-2

Imaging Mode: PW-mode/TVD-mode

Maximum index value		1.38	0.51		3.06		2.16
Index component value			0.41	0.51	2.16	3.06	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.96					
	P (mW)		69.39		88.97		88.97
	$P_{1\times1}$ (mW)		36.92		76.69		
	z_s (cm)			2.53			
	z_b (cm)					1.64	
	z_{MI} (cm)	1.14					
	$z_{pii,}$ (cm)	1.14					
	f_{awf} (MHz)	2.02	2.33		2.03		2.03
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	173.45					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	221.17					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	261.48					
	p_r at z_{pii} (MPa)	2.06					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	4.6cm	16.6cm		4.6cm		4.6cm
	SV Position	2.0cm	15.0cm		2.0cm		2.0cm
	Working Frequency	2	2.3		2		2
	PRF	699	699		5699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model:

Transducer Model: P4-2

Imaging Mode: Color+B-Mode / Power+B-Mode /TVI+B/TEI+B

Maximum index value		1.11	0.66		0.66		1.39
Index component value			0.66	0.66	0.66	0.66	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.59					
	P (mW)		67.90		67.90		67.80
	$P_{1\times1}$ (mW)		57.59		57.59		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.35					
	z (cm)	1.35					

64

Transducer Model: P4-2

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode //TVI+B+TVD/ TEI+B+TVD

Maximum index value	0.86	0.43		3.52		2.67
Index component value		0.43	0.42	1.04	3.52	
$p_{r,}$ at z_{MI} (MPa)	1.31					

Acoustic Parameters

Transducer Model: P4-2

Imaging Mode: CM/ TVM / B+CM/B+TVM

Transducer Model: P4-2

Imaging Mode: CW-mode

Maximum index value		0.06	0.28		1.46		0.57
Index component value			0.28	0.24	0.57	1.46	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	0.08					
	P (mW)		34.01		34.01		34.01
	$P_{1\times1}$ (mW)		29.32		29.32		
	z_s (cm)			2.31			
	z_b (cm)					2.92	
	z_{MI} (cm)	3.52					
	$z_{pii,}$ (cm)	3.52					
	f_{awf} (MHz)	2.00	2.00		2.00		2.00
Other Information	*prr* (Hz)	/					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	0.24					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	238.38					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	389.09					
	p_r at z_{pii} (MPa)	0.10					

Transducer Model: V11-3

Imaging Mode: M-mode

Maximum index value		1.36	0.24		0.63		0.63
Index component value			0.24	0.19	0.63	0.60	
Acoustic	$p_{r,}$ at z_{MI} (MPa)	2.83					
	P (mW)		12.76		8.29		8.29
	$P_{1\times1}$ (mW)		12.76		8.29		
	z_s (cm)			0.86			
						1.00	

Transducer Model: V11-3

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape

Maximum index value		1.38	0.94		1.51		1.55
Index component value			0.94	0.94	1.51	0.94	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.87					
	P (mW)		79.00		79.00		81.10
	$P_{1\times1}$ (mW)		29.57		29.57		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.25					
	$z_{pii,}$ (cm)	1.25					
	f_{awf} (MHz)	4.30	6.64		6.64		6.67
Other Information	*prr* (Hz)	2,749.00					
	srr (Hz)	17.00					
	n_{pps}	1.50					
	$I_{pa,}$ at z						

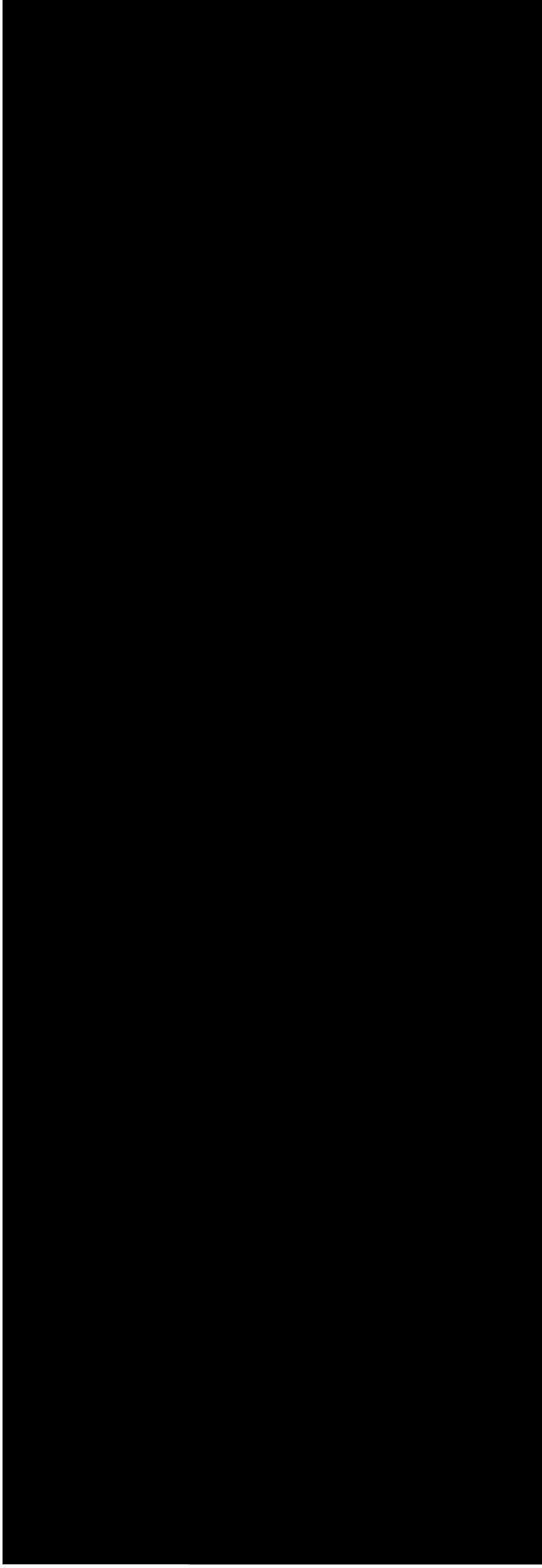
Transducer Model: V11-3

Imaging Mode: B+M-mode

Maximum index value		1.44	0.90		0.84		1.73	
Index component value			0.90	0.88	0.71	0.84		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.99						
	P (mW)		75.38		66.25		82.85	
	$P_{1\times1}$ (mW)		29.52		26.40			
	z_s (cm)			0.86				
	z_b (cm)					0.50		
	z_{MI} (cm)	1.25						
	$z_{pii,}$ (cm)	1.25						
	f_{awf} (MHz)	4.33	6.63		5.64		5.64	
	prr (Hz)	500.00						
	srr							
Other Information								

Transducer Model: V11-3

Imaging Mode: B+PW-mode



Transducer Model: V11-3

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.53	0.60		1.44		1.68	
Index component value			0.60	0.60	1.21	1.44		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.19						
	P (mW)		41.08		57.07		43.91	
	$P_{1\times1}$ (mW)		24.89		57.07			
	z_s (cm)			0.50				
	z_b (cm)					0.50		
	z_{MI} (cm)	1.09						
	$z_{pii,}$ (cm)	1.09						
	f_{awf} (MHz)	5.00	5.83		4.58		5.83	
Other Information	prr (Hz)	1,140.00						
	srr (Hz)	4.00						
	n_{pps}	8.75						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	63.17						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	0.54						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	0.81						
	p_r at z_{pii} (MPa)	1.34						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	3.7cm	3.7cm		3.7cm		3.7cm	
	B Focus Position	1.0cm	0.5cm		0.5cm		0.5cm	
	Color SG Position	1.0cm	0.5cm		0.5cm		0.5cm	
	PW SV Position	1.0cm	0.5cm		0.5cm		0.5cm	
	B Working Frequency	6.5	6.5		5		6.5	
	C Working Frequency	5	5		4.4		5	
	PW Working Frequency	4.4	4.4		4.4		4.4	
	B PRF	2237	5619		2256		2237	
	C PRF	1140	5229		1111		1140	
	PW PRF	3429	699		6686		3429	
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm	

Transducer Model: D7-2E

Imaging Mode: B+M-mode

Transducer Model: D7-2E

Imaging Mode: PW-mode

Maximum index value		1.25	0.44		2.09		
Index component value			0.43	0.44	1.22	2.09	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.97					
	P (mW)		55.75		58.84		
	$P_{1\times1}$ (mW)		36.49		51.34		
	z_s (cm)			2.26			
	z_b (cm)					3.42	
	z_{MI} (cm)	1.00					
	$z_{pii,}$ (cm)	1.00					

Transducer Model: D7-2E

Imaging Mode: B+PW-mode

Maximum index value	1.23	0.57		2.09		1.12
Index component value		0.55	0.57	0.67	2.09	
$p_{r,}$ at z_{MI} (MPa)	1.94					

[redacted]

n

[redacted]

Transducer Model: D7-2E

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		0.85	0.09		0.09		0.26
Index component value			0.09	0.09	0.09	0.09	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.34					
	P (mW)		22.00		22.00		22.00
	$P_{1\times1}$ (mW)		6.55		6.55		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.00					
	$z_{pii,}$ (cm)	1.00					
	f_{awf} (MHz)	2.49	3.28		3.28		3.28
Other Information	prr (Hz)	3,253.00					
	srr (Hz)	10.00					
	n_{pps}	13.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	83.80					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	3.63					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	4.31					
	p_r at z_{pii} (MPa)	1.46					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	16.6cm	16.6cm		16.6cm		16.6cm
	B Focus Position	2.0cm	7.0cm		7.0cm		7.0cm

[redacted]

						2
						45
	f_{awf}	(MHz)	2.48	3.31	3.96	3.33

Transducer Model: D7-2E

Imaging Mode: CM/B+CM

Maximum index value			0.90	0.60		2.61		1.98
Index component value				0.58	0.60	0.72	2.61	
Acoustic Parameters	$p_{r,}$ at z_{MI}	(MPa)	1.42					
	P	(mW)		75.05		73.75		49.66
	$P_{1\times1}$	(mW)		48.95		60.55		
	z_s	(cm)			2.53			
	z_b	(cm)					4.26	
	z_{MI}	(cm)	1.00					
[redacted]	[redacted]	(cm)	1.00					
[redacted]	[redacted]	(MHz)	2.49	3.32		3.22		[redacted]26
	prr	(Hz)	1,499.00					*O*1, ——*O* Hz)

Other Information

Transducer Model: L14-6NE

Imaging Mode: M-mode

Maximum index value		0.73	0.21		0.29		0.31
Index component value			0.21	0.16	0.15	0.29	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.77					
	P (mW)		8.59		3.97		8.59
	$P_{1\times1}$ (mW)		6.71		3.54		
	z_s (cm)			1.17			
	z_b (cm)					1.03	
	z_{MI} (cm)	0.50					
	$z_{pii,}$ (cm)	0.50					
	f_{awf} (MHz)	5.91	6.48		5.82		6.48
Other Information	*prr* (Hz)	1,999.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	173.24					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	84.89					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	104.11					
	p_r at z_{pii} (MPa)	1.96					pp

Transducer Model: L14-6NE

Imaging Mode: B-mode/Tissue Harmonic Imaging/Smart3D/iScape/Elastography

Maximum index value		0.70	0.03		0.08		0.08
Index component value			0.03	0.03	0.08	0.03	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.71					
	P (mW)		3.80		3.80		3.80
	$P_{1\times1}$ (mW)		0.99		0.99		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.50					
	$z_{pii,}$ (cm)	0.50					
	f_{awf} (MHz)	5.94	6.23		6.23		6.23
Other Information	*prr* (Hz)	8,992.00					
	srr (Hz)	37.00					
	n_{pps}	2.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	158.88					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	4.32					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	5.31					
	p_r at z_{pii} (MPa)	1.89					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	2.8cm	12.9cm		12.9cm		12.9cm
	Focus position	0.5cm	10.0cm		10.0cm		10.0cm
	Working Frequency	H12.0	H12.0		H12.0		H12.0
	PRF	8992	5025		5025		5025

Transducer Model: L14-6NE

Imaging Mode: B+M-mode

Maximum index value		0.78	0.13		0.18		0.24	
Index component value			0.13	0.11	0.13	0.18		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.90						
	P (mW)		8.34		8.34		8.34	
	$P_{1\times1}$ (mW)		4.54		4.54			
	z_s (cm)			1.17				
	z_b (cm)					1.17		
	z_{MI} (cm)	0.50						
	$z_{pii,}$ (cm)	0.50						
	f_{awf} (MHz)	5.96	6.20		6.20		6.20	
	prr (Hz)	2,000.00						
	srr (Hz)	24.00						

4.16 45 0.481 1.44 reft2

Other Information

Transducer Model: L14-6NE

Imaging Mode: PW-mode

Transducer Model: L14-6NE

Imaging Mode: B+PW-mode

Transducer Model: L14-6NE

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		0.91	0.09		0.09		0.18	
Index component value			0.09	0.09	0.09	0.09		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.35						
	P (mW)		7.60		7.60		7.60	
	$P_{1\times1}$ (mW)		2.73		2.73			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	0.50						
	$z_{pii,}$ (cm)	0.50						
	f_{awf} (MHz)	6.64	8.85		8.85		8.85	
Other Information	prr (Hz)	4,865.00						
	srr (Hz)	14.00						
	n_{pps}	39.00						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	247.31						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	5.75						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	7.35						
	p_r at z_{pii} (MPa)	2.56						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	12.9cm	12.9cm		12.9cm		12.9cm	
	B Focus Position	0.5cm	6.0cm		6.0cm		6.0cm	
	Color Sampling Gate Position	0.5cm	6.0cm		6.0cm		6.0cm	
	B Working Frequency	10	8		8		8	
	C Working Frequency	6.6	5.7		5.7		5.7	
	B PRF	3462	2592		2592		2592	
	Color PRF	4865	4092		4092		4092	

Transducer Model: L14-6NE

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.97	0.13		0.71		0.26	
Index component value			0.13	0.12	0.21	0.71		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.32						
	P (mW)		8.56		11.03		8.56	
	$P_{1\times1}$ (mW)		3.64		6.34			
	z_s (cm)			0.50				
	z_b (cm)					0.50		
	z_{MI} (cm)	0.50						
	$z_{pii,}$ (cm)	0.50						
	f_{awf} (MHz)	5.70	9.54		9.69		9.54	
Other Information	prr (Hz)	699.00						
	srr (Hz)	22.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	221.76						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	95.06						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	115.74						
	p_r at z_{pii} (MPa)	2.56						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	2.8cm	2.8cm		2.8cm		2.8cm	
	B Focus Position	0.5cm	0.5cm		0.5cm		0.5cm	
	Color SG Position	0.5cm	0.5cm		0.5cm		0.5cm	
	PW SV Position	0.5cm	0.5cm		0.5cm		0.5cm	
	B Working Frequency	10	10		10		10	
	C Working Frequency	6.6	6.6		6.6		6.6	
	PW Working Frequency	5.7	6.6		6.6		6.6	
	B PRF	5685	4396		1255		4396	
	C PRF	8122	11989		1506		11989	
	PW PRF	699	699		8370		699	
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm	

Transducer Model: L14-6NE

Imaging Mode: CM/B+CM

Maximum index value		0.74	0.42		0.87		0.69
Index component value			0.42	0.29	0.40	0.87	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.77					
	P (mW)		15.37		14.71		15.37
	$P_{1\times1}$ (mW)		15.15		14.57		
	z_s (cm)			1.17			
	z_b (cm)					1.14	
	z_{MI} (cm)	0.50					
	$z_{pii,}$ (cm)	0.50					
	f_{awf} (MHz)	5.69	8.64		8.37		8.64
Other Information	*prr* (Hz)	1,666.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	136.95					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	143.61					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	174.79					
	p_r at z_{pii} (MPa)	1.96					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	2.8cm	12.9cm		12.9cm		12.9cm
	M Focus Position	0.5cm	10.0cm		7.0cm		10.0cm
	CM Focus Position	0.5cm	10.0cm		7.0cm		10.0cm
	M Working Frequency	8	8		8		8
	CM Working Frequency	5.7	5.7		5.7		5.7
	M PRF	166	333		333		333
	CM PRF	1666	1666		1666		1666

Transducer Model: L13-3

Imaging Mode: B-mode/Smart3D/iScape/Free Xros M/Elastography

Maximum index value		1.07	0.54		1.08		1.12
Index component value			0.54	0.54	1.08	0.54	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.87					
	P (mW)		64.00		64.00		66.00
	$P_{1\times1}$ (mW)		16.80		16.80		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.59					
	$z_{pii,}$ (cm)	0.59					
	f_{awf} (MHz)	7.15	6.79		6.79		6.67
Other Information	*prr* (Hz)	8,992.00					
	srr (Hz)	69.00					
	n_{pps}	2.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	282.02					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	14.99					
	I_{spta} at z_{pii} or z_{sii}	20.10					

Transducer Model: L13-3

Imaging Mode: B+M-mode

Maximum index value		1.03	0.81		0.89		1.46
Index component value			0.81	0.76	0.81	0.89	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.73					
	P (mW)		80.18		80.18		80.18
	$P_{1\times1}$ (mW)		25.10		25.10		
	z_s (cm)			1.66			
	z_b (cm)					1.66	
	z_{MI}						

Transducer Model: L13-3

Imaging Mode: PW-mode

Maximum index value		1.23	0.66		1.50		1.28
Index component value			0.66	0.63	1.23	1.50	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.61					
	P (mW)		48.60		46.54		48.23
	$P_{1\times1}$ (mW)		31.16		29.83		
	z_s (cm)			1.58			
	z_b (cm)					1.49	
	z_{MI} (cm)	1.18					
	$z_{pii,}$ (cm)	1.18					
	f_{awf} (MHz)	4.48	4.44		4.48		4.48
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at z						

Transducer Model: L13-3

Imaging Mode: B+PW-mode

Maximum index value	1.11	0.86		1.73		1.47
Index component value		0.86	0.85	1.01	1.73	
$p_{r,}$ at z_{MI} (MPa)	2.23					

Acoustic Parameters

Transducer Model: L13-3

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.37	0.58		0.58		1.17	
Index component value			0.58	0.58	0.58	0.58		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.78						
	P (mW)		58.00		58.00		58.00	
	$P_{1\times1}$ (mW)		22.04		22.04			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.66						
	$z_{pii,}$ (cm)	1.66						
	f_{awf} (MHz)	4.10	8.20		8.20		8.20	
Other Information	*prr* (Hz)	4,969.00						
	srr (Hz)	14.00						
	n_{pps}	39.00						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	279.21						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	11.51						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	18.91						
	p_r at z_{pii} (MPa)	3.52						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm	
	B Focus Position	2.0cm	6.0cm		6.0cm		6.0cm	
	Color Sampling Gate Position	2.0cm	6.0cm		6.0cm		6.0cm	
	B Working Frequency	6.5	8		8		8	
	C Working Frequency	4	4.4		4.4		4.4	
	B PRF	3861	2092		2092		2092	
	Color PRF	4969	5646		5646		5646	

Transducer Model: L13-3

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		1.13	0.48		1.32		1.39
Index component value			0.48	0.47	0.71	1.32	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.28					
	P (mW)		55.75		67.95		66.07
	$P_{1\times1}$ (mW)		19.96		31.32		
	z_s (cm)			0.59			
	z_b (cm)					0.84	
	z_{MI} (cm)	0.69					
	$z_{pii,}$ (cm)	0.69					
	f_{awf} (MHz)	4.08	8.08		7.28		7.83
Other Information	*prr* (Hz)	8,888.00					
	srr (Hz)	20.00					
	n_{pps}	10.14					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	159.04					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	8.28					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	10.30					
	p_r at z_{pii} (MPa)	2.40					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	4.6cm	4.6cm		4.6cm		4.6cm
	B Focus Position	0.5cm	0.5cm		1.0cm		0.5cm
	Color SG Position	0.5cm	0.5cm		1.0cm		0.5cm
	PW SV Position	0.5cm	0.5cm		1.0cm		0.5cm
	B Working Frequency	6.5	8		6.5		8
	C Working Frequency	4	4.4		4		4.4
	PW Working Frequency	4	4.4		4.4		4.4
	B PRF	5432	4015		1247		4015
	C PRF	8888	13140		1570		13140
	PW PRF	699	699		8314		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: L13-3

Imaging Mode: CM/B+CM

Maximum index value			1.21	1.54		3.17		2.97
Index component value				1.36	1.54	1.36	3.17	
Acoustic Parameters	$p_{r,}$ at z_{MI}	(MPa)	2.45					
	P	(mW)		118.64		118.64		114.51
	$P_{1\times1}$	(mW)		63.78		63.78		
	z_s	(cm)			1.61			
	z_b	(cm)					1.61	
	z_{MI}	(cm)	1.76					
	$z_{pii,}$	(cm)	1.76					
	f_{awf}	(MHz)	4.09	7.70		7.70		7.66
	prr	(Hz)	2,000.00					

Other Information

Transducer Model: C6-2

Imaging Mode: M-mode

Maximum index value		1.31	0.35		1.32		0.86
Index component value			0.23	0.35	0.63	1.32	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.28					
	P (mW)		44.87		40.35		68.82
	$P_{1\times1}$ (mW)		15.02		20.26		
	z_s (cm)			3.09			
	z_b (cm)					4.55	
	z_{MI} (cm)	4.20					
	$z_{pii,}$ (cm)	4.20					
	f_{awf} (MHz)	3.02	3.24		2.55		2.55
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	246.68					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	152.75					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	375.46					
	p_r at z_{pii} (MPa)	3.44					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20.3cm	20.3cm		20.3cm		20.3cm
	Focus position	4.0cm	16.0cm		5.0cm		17.0cm
	Working Frequency	3.5	5		2		2
	PRF	1000	1000		1000		1000

Transducer Model: C6-2

Imaging Mode: PW

Transducer Model: C6-2

Imaging Mode: B+PW-mode

Transducer Model: C6-2

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.34	0.71		0.72		2.99
Index component value			0.71	0.71	0.72	0.72	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.11					
	P (mW)		286.00		286.00		292.00
	$P_{1\times1}$ (mW)		58.84		59.67		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.60					
	$z_{pii,}$ (cm)	1.60					
	f_{awf} (MHz)	2.49	2.62		2.62		2.62
Other	prr (Hz)	4,712.00					
	srr (Hz)	9.00					
	n_{pps}	13.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	239.64					
Information	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	8.93					spta,

Transducer Model: C6-2

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.86	1.16		2.24		4.48	
Index component value			1.16	1.15	1.45	2.24		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.36						
	P (mW)		408.07		458.57		409.99	
	$P_{1\times1}$ (mW)		94.69		118.48			
	z_s (cm)			1.64				
	z_b (cm)					1.36		
	z_{MI} (cm)	1.64						
	$z_{pii,}$ (cm)	1.64						
	f_{awf} (MHz)	2.51	2.67		2.74		2.67	
Other Information	prr (Hz)	699.00						
	srr (Hz)	18.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	80.60						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	77.87						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	160.76						
	p_r at z_{pii} (MPa)	1.56						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	8.3cm	8.3cm		8.3cm		8.3cm	
	B Focus Position	3.0cm	3.0cm		2.0cm		3.0cm	
	Color SG Position	3.0cm	3.0cm		2.0cm		3.0cm	
	PW SV Position	3.0cm	3.0cm		2.0cm		3.0cm	
	B Working Frequency	2	2		2		2	
	C Working Frequency	2.5	2.5		2.5		2.5	
	PW Working Frequency	2.5	2.5		2.5		2.5	
	B PRF	1531	1531		755		1531	
	C PRF	8997	8997		3903		8997	
	PW PRF	699	699		6715		699	
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm	

Transducer Model: C6-2

Imaging Mode: CM/B+CM

Transducer Model: 7L4B

Imaging Mode: M-mode

Maximum index value		0.93	0.10		0.50		0.32
Index component value			0.10	0.07	0.38	0.50	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.99					
	P (mW)		4.62		15.50		13.31
	$P_{1\times1}$ (mW)		4.62		8.33		
	z_s (cm)			1.08			
	z_b (cm)					1.68	
	z_{MI} (cm)	2.05					
	$z_{pii,}$ (cm)	2.05					
	f_{awf} (MHz)	4.60	4.38		4.51		4.35
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	271.78					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	197.18					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	399.08					
	p_r at z_{pii} (MPa)	2.95					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	Focus position	2.5cm	2.0cm		10.0cm		10.0cm
	Working Frequency	H8.0	H7.2		H8.0		H7.2
	PRF	2000	2000		2000		2000

Transducer Model: 7L4B

Imaging Mode: B+M-mode

Maximum index value		1.01	0.31		0.38		0.77
Index component value			0.30	0.31	0.14	0.38	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.17					
	P (mW)		48.66		18.73		42.66
	$P_{1\times1}$ (mW)		14.52		6.90		
	z_s (cm)			1.68			
	z_b (cm)					1.18	
	z_{MI} (cm)	2.34					
	$z_{pii,}$ (cm)	2.34					
	f_{awf} (MHz)	4.59	4.42		4.37		4.45
Other Information	prr (Hz)	999.00					
	srr (Hz)	17.00					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	329.96					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	106.97					

Transducer Model: 7L4B

Imaging Mode: PW-mode

Maximum index value	1.35	0.25		1.58		0.65
Index component value						

Transducer Model: 7L4B

Imaging Mode: B+PW-mode

Maximum index value			1.39	0.39		1.49		1.14
Index component value				0.39	0.34	0.37	1.49	
Acoustic Parameters	$p_{r,}$ at z_{MI}	(MPa)	2.82					
	P	(mW)		34.60		28.68		57.06
	$P_{1\times1}$	(mW)		15.37		15.37		

Transducer Model: 7L4B

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		1.35	0.67		0.67		1.52	
Index component value			0.67	0.67	0.67	0.67		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.87						
	P (mW)		70.00		70.00		70.00	
	$P_{1\times1}$ (mW)		30.38		30.38			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.47						
	$z_{pii,}$ (cm)	1.47						
	f_{awf} (MHz)	4.54	6.41		6.41		6.41	
		4,420.00						

Transducer Model: 7L4B

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.75	0.73		0.86		1.77	
Index component value			0.73	0.71	0.70	0.86		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.51						
	P (mW)		87.97		86.71		86.80	
	$P_{1\times1}$ (mW)		32.51		31.24			
	z_s (cm)			0.79				
	z_b (cm)					0.79		
	z_{MI} (cm)	0.59						
	$z_{pii,}$ (cm)	0.59						
	f_{awf} (MHz)	4.08	6.37		6.37		6.37	
Other Information	prr (Hz)	699.00						
	srr (Hz)	22.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	79.60						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	51.75						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	64.62						
	p_r at z_{pii} (MPa)	1.58						
	Acoustic power	100%	100%		100%		100%	
	Display depth	4.6cm	4.6cm		4.6cm		4.6cm	
	B Focus Position	0.5cm	0.5cm		0.5cm		0.5cm	
	Color SG Position	0.5cm	0.5cm		0.5cm		0.5cm	
	PW SV Position	0.5cm	0.5cm		0.5cm		0.5cm	
Operating control conditions	B Working Frequency	5.7	6.6		6.6		6.6	
	C Working Frequency	4	4.4		4.4		4.4	

Transducer Model: 7L4B

Imaging Mode: CM/B+CM

Maximum index value		1.14	0.16		1.67		0.65
Index component value			0.16	0.13	0.31	1.67	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.32					
	P (mW)		7.56		13.96		10.83
	$P_{1\times1}$ (mW)		7.56		13.96		
	z_s (cm)			0.79			
	z_b (cm)					1.76	
	z_{MI} (cm)	1.47					
	$z_{pii,}$ (cm)	1.47					
	f_{awf} (MHz)	4.14	6.34		6.44		6.04
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	242.39					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	477.98					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	726.80					
	p_r at z_{pii} (MPa)	2.86					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	4.6cm		11.1cm		4.6cm
	M Focus Position	1.5cm	0.5cm		2.0cm		0.5cm
	CM Focus Position	1.5cm	0.5cm		2.0cm		0.5cm
	M Working Frequency	5.7	6.6		6.6		6.6
	CM Working Frequency	4	4.4		4.4		4.4
	M PRF	333	333		333		333
	CM PRF	2000	2000		2000		2000

Transducer Model: D7-2

Imaging Mode: B-mode/Tissue Harmonic Imaging/4D(Real-time 3D)/iScape

Maximum index value		1.39	0.03		0.10		0.11	
Index component value			0.03	0.03	0.10	0.03		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.17						
	P (mW)		10.50		9.70		11.10	
	$P_{1\times1}$ (mW)		2.15		1.98			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	3.57						

Transducer Model: D7-2

Imaging Mode: B+M-mode

Maximum index value		1.23	0.25		1.01		0.70	
Index component value			0.23	0.25	0.34	1.01		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.95						
	P (mW)		38.91		36.83		46.22	
	$P_{1\times1}$ (mW)		19.71		28.81			
	z_s (cm)			2.39				
	z_b (cm)					3.84		
	z_{MI} (cm)	3.19						
	$z_{pii,}$ (cm)	3.19						

Transducer Model: D7-2

Imaging Mode: PW-mode

Maximum index value		1.25	0.44		2.09		1.79
Index component value			0.43	0.44	1.22	2.09	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.97					
	P (mW)		55.75		58.84		44.55
	$P_{1\times1}$ (mW)		36.49		51.34		
	z_s (cm)			2.26			
	z_b (cm)					3.42	
	z_{MI} (cm)	1.00					
	$z_{pii,}$ (cm)	1.00					
	f_{awf} (MHz)	2.47	2.45		2.47		2.50
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	187.98					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	188.59					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	224.93					
	p_r at z_{pii} (MPa)	1.86					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	4.6cm	16.6cm		16.6cm		4.6cm
	SV Position	3.0cm	7.0cm		6.0cm		2.0cm
	Working Frequency	2.5	2.5		2.5		2.5
	PRF	699	699		699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: D7-2

Imaging Mode: B+PW-mode

Maximum index value			1.23	0.58		2.09		1.12
Index component value				0.56	0.58	0.67	2.09	
Acoustic Parameters	$p_{r,}$ at z_{MI}	(MPa)	1.94					
	P	(mW)		79.38		72.20		36.52
	$P_{1\times1}$	(mW)		46.32		55.72		

Transducer Model: D7-2

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		0.85	0.09		0.09		0.27	
Index component value			0.09	0.09	0.09	0.09		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.34						
	P (mW)		22.80		21.20		21.30	
	$P_{1\times1}$ (mW)		7.49		6.77			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.00						
	$z_{pii,}$ (cm)	1.00						
	f_{awf} (MHz)	2.49	3.28		3.28		3.28	
	prr (Hz)	3,253.00						

Other Information

Transducer Model: D7-2

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.72	0.14		0.54		1.47	
Index component value			0.14	0.10	0.44	0.54		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.14						
	P (mW)		26.51		48.30		49.15	
	$P_{1\times1}$ (mW)		10.79		34.72			
	z_s (cm)			3.05				
	z_b (cm)					4.11		
	z_{MI} (cm)	1.00						
	$z_{pii,}$ (cm)	1.00						
	f_{awf} (MHz)	2.48	3.31		3.96		3.33	
Other Information	prr (Hz)	699.00						
	srr (Hz)	17.00						
	n_{pps}	/						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	51.04						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ W/cm^2)	51.85						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	65.13						
	p_r at z_{pii} (MPa)	1.12						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	4.6cm	4.6cm		4.6cm		4.6cm	
	B Focus Position	3.0cm	2.0cm		2.0cm		2.0cm	
	Color SG Position	3.0cm	2.0cm		2.0cm		2.0cm	
	PW SV Position	3.0cm	2.0cm		2.0cm		2.0cm	
	B Working Frequency	2	2		4.5		2	
	C Working Frequency	2.5	2.5		3		2.5	
	PW Working Frequency	2.5	2.5		2.5		2.5	
	B PRF	3478	3480		1514		1817	
	C PRF	8595	9418		2039		2440	
	PW PRF	699	699		7009		6731	
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm	

Transducer Model: D7-2

Imaging Mode: CM/ B+CM

Maximum index value		0.90	0.60		2.61		1.98
Index component value			0.58	0.60	0.72	2.61	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.42					
	P (mW)		75.05		73.75		49.66
	$P_{1\times1}$ (mW)		48.95		60.55		
	z_s (cm)			2.53			
	z_b (cm)					4.26	
	z_{MI} (cm)	1.00					
	$z_{pii,}$ (cm)	1.00					
	f_{awf} (MHz)	2.49	3.32		3.22		3.26
Other Information	*prr* (Hz)	1,499.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	95.00					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	203.92					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	242.24					
	p_r at z_{pii} (MPa)	1.55					

Acoustic power 100% 100% 100% 100% 100%

Operating control conditions

Transducer Model: DE11-3E

Imaging Mode: M-mode

Transducer Model: DE11-3E

Imaging Mode: B-mode/Smart3D/iScape/Free Xros M

Maximum index value		1.11	0.08		0.17		0.20	
Index component value			0.08	0.08	0.17	0.08		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.29						
	P (mW)		10.50		9.70		11.10	
	$P_{1\times1}$ (mW)		4.13		3.82			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	0.59					MI	

Transducer Model: DE11-3E

Imaging Mode: B+M-mode

Maximum index value		1.35	0.22		0.78		0.40	
Index component value			0.22	0.17	0.17	0.78		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.82						
	P (mW)		16.48		14.05		16.92	
	$P_{1\times1}$ (mW)		11.15		9.38			
	z_s (cm)			1.37				
	z_b (cm)					1.08		
	z_{MI} (cm)	1.18						
	$z_{pii,}$ (cm)	1.18						
	f_{awf} (MHz)	4.34	4.23		3.88		4.21	
Other Information	*prr* (Hz)	1,000.00						
	srr (Hz)	25.00						
	n_{pps}	1.57						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	537.65						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	195.38						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	277.86						
	p_r at z_{pii} (MPa)	3.36						
	Acoustic power	100%	100%		100%		100%	
Operating control conditions	Display depth	5.5cm	11.1cm		5.5cm		11.1cm	
	B/M Focus position	1.0cm	8.0cm		1.0cm		7.0cm	

Transducer Model: DE11-3E

Imaging Mode: PW-mode

Maximum index value		1.31	0.34		1.41		0.58
Index component value			0.34	0.24	0.58	1.41	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.59					
	P (mW)		14.44		14.44		14.44
	$P_{1\times1}$ (mW)		14.44		14.44		
	z_s (cm)			1.08			
	z_b (cm)					1.37	
	z_{MI} (cm)	1.27					
	$z_{pii,}$ (cm)	1.27					
	f_{awf} (MHz)	3.92	4.96		4.96		4.96
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	304.13					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	190.15					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	321.29					
	p_r at z_{pii} (MPa)	2.88					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	SV Position	5.5cm	2.0cm		2.0cm		2.0cm
	Working Frequency	4	5		5		5
	PRF	699	20000		20000		20000
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: DE11-3E

Imaging Mode: B+PW-mode

Maximum index value		1.32	0.25		0.94		0.46
Index component value			0.25	0.20	0.31	0.94	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.74					
	P (mW)		20.46		19.70		19.32
	$P_{1\times1}$ (mW)		12.89		13.09		
	z_s (cm)			1.27			
	z_b (cm)					1.47	
	z_{MI} (cm)	0.98					
	$z_{pii,}$ (cm)	0.98					
	f_{awf} (MHz)	4.30	4.19		5.20		4.20
Other Information	*prr* (Hz)	4,899.00					
	srr (Hz)	8.00					
	n_{pps}	1.17					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	368.51					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	3.23					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	4.44					
	p_r at z_{pii} (MPa)	3.08					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	B Focus Position	1.0cm	6.0cm		2.0cm		6.0cm
	SV Position	1.0cm	6.0cm		2.0cm		6.0cm
	B Working Frequency	5	5		6		5
	PW Working Frequency	4	4		5		4
	B PRF	4899	4899		1438		4899

-Mode

0.17		0.16		0.37
0.17	0.17	0.16	0.16	
22.80		21.20		21.30
8.58		8.01		
	/			
			/	
4.33		4.33		4.36

0.48 481 0.48 ref113.92

Transducer Model: DE11-3E

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.68	0.27		0.78		0.60	
Index component value			0.27	0.24	0.28	0.78		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.42						
	P (mW)		24.52		25.68		22.52	
	$P_{1\times1}$ (mW)		12.33		14.02			
	z_s (cm)			0.79				
	z_b (cm)					0.79		
	z_{MI} (cm)	1.18						
	$z_{pii,}$ (cm)	1.18						
	f_{awf} (MHz)	4.41	4.96		4.44		4.96	
Other Information	prr (Hz)	5,033.00						
	srr (Hz)	8.00						
	n_{pps}	1.51						
	$I_{pa,}$ at $z_{pii,}$							

Transducer Model: DE11-3E

Imaging Mode: CM/B+CM

Maximum index value		1.38	0.38		1.43		0.66
Index component value			0.38	0.26	0.36	1.43	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.87					
	P (mW)		19.81		18.83		19.96
	$P_{1\times1}$ (mW)		19.81		18.83		
	z_s (cm)			1.37			
	z_b (cm)					2.05	
	z_{MI} (cm)	1.08					
	$z_{pii,}$ (cm)	1.08					
	f_{awf} (MHz)	4.32	4.20		4.26		4.21
Other Information	*prr* (Hz)	125.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	503.23					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	22.69					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	31.97					
	p_r at z_{pii} (MPa)	3.27					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	5.5cm	11.1cm		11.1cm		11.1cm
	M Focus Position	1.0cm	5.5cm		3.0cm		5.5cm

Transducer Model: 6LB7_C

Imaging Mode: B-mode/Smart3D/iScape/Free Xros M

Maximum index value		0.91	0.12		0.22		0.23	
Index component value			0.12	0.12	0.22	0.11		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.27						
	P (mW)		13.12		12.49		12.81	
	$P_{1\times1}$ (mW)		4.13		3.93			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.56						
	$z_{pii,}$ (cm)	1.56						

Transducer Model: 6LB7_C

Imaging Mode: B+M-mode

Maximum index value		0.95	0.15		0.20		0.27	
Index component value			0.15	0.14	0.17	0.20		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.38						
	P (mW)		14.34		16.33		14.56	
	$P_{1\times1}$ (mW)		5.03		5.92			
	z_s (cm)			1.66				
	z_b (cm)					1.37		
	z_{MI} (cm)	1.66						
	$z_{pii,}$ (cm)	1.66						
	f_{awf} (MHz)	6.32	6.16		6.08		6.16	
Other Information	*prr* (Hz)	2,000.00						
	srr (Hz)	13.00						
	n_{pps}	2.01						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	179.27						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	1.99						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	4.22						
	p_r at z_{pii} (MPa)	3.24						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm	
	B/M Focus position	2.5cm	10.0cm		5.5cm		10.0cm	
	B/M Working Frequency	7.5	6.5		6.5		6.5	
	B PRF	2000	2000		2000		2000	
	M PRF	1000	500		500		500	

Transducer Model: 6LB7_C

Imaging Mode: B+PW-mode

Transducer Model: 6LB7_C

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		0.58	0.05		0.06		0.16
Index component value			0.05	0.05	0.06	0.06	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.32					
	P (mW)		8.44		9.20		9.09
	$P_{1\times1}$ (mW)		2.59		2.83		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.56					
	$z_{pii,}$ (cm)	1.56					
	f_{awf} (MHz)	5.08	4.56		4.56		4.53
Other Information	*prr* (Hz)	6,704.00					
	srr (Hz)	10.00					
	n_{pps}	13.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	90.30					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	1.99					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.45					
	p_r at z_{pii} (MPa)	1.58					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	B Focus Position	2.5cm	4.0cm		4.0cm		7.0cm
	Color Sampling Gate Position	2.5cm	4.0cm		4.0cm		7.0cm
	B Working Frequency	6.5	5		5		5
	C Working Frequency	5	4		4		4
	B PRF	3019	1349		1349		2119
	Color PRF	6704	5993		5993		4939

Transducer Model: 6LB7_C

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Transducer Model: 6LB7_C

Imaging Mode: CM/B+CM

Maximum index value		0.65	0.09		0.31		0.16
Index component value			0.09	0.06	0.09	0.31	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.63					
	P (mW)		4.55		4.48		4.48
	$P_{1\times1}$ (mW)		4.55		4.48		
	z_s (cm)			1.27			
	z_b (cm)					1.85	
	z_{MI} (cm)	1.56					
	$z_{pii,}$ (cm)	1.56					
	f_{awf} (MHz)	6.27	4.60		4.56		4.56
Other Information	*prr* (Hz)	125.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	86.11					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	3.01					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.55					
	p_r at z_{pii} (MPa)	2.09					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	M Focus Position	2.5cm	4.0cm		3.5cm		3.5cm
	CM Focus Position	2.5cm	4.0cm		3.5cm		3.5cm
	M Working Frequency	6.5	5		5		5
	CM Working Frequency	5	4		4		4
	M PRF	125	166		333		333
	CM PRF	1500	2000		2000		2000

Transducer Model: 6LB7_L

Imaging Mode: M-mode

Maximum index value		1.03	0.09		0.21		0.18
Index component value			0.09	0.09	0.11	0.21	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.51					
	P (mW)		7.02		2.89		7.02
	$P_{1\times1}$ (mW)		4.50		2.89		
	z_s (cm)			1.66			
	z_b (cm)					1.76	
	z_{MI} (cm)	1.76					
	$z_{pii,}$ (cm)	1.76					
	f_{awf} (MHz)	6.00	4.24		4.23		4.24
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	223.47					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	71.42					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	150.20					
	p_r at z_{pii} (MPa)	3.52					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	Focus position	2.0cm	10.0cm		2.5cm		10.0cm
	Working Frequency	6.5	H8.0		H8.0		H8.0
	PRF	1000	1999		1999		1999

Transducer Model: 6LB7_L

Imaging Mode: B+M-mode

Maximum index value		1.03	0.14		0.17		0.27
Index component value			0.14	0.12	0.12	0.17	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.52					
	P (mW)		14.45		13.09		16.66
	$P_{1\times1}$ (mW)		4.77		4.36		
	z_s (cm)			1.55			
	z_b (cm)					1.66	
	z_{MI} (cm)	1.76					
	$z_{pii,}$ (cm)	1.76					
	f_{awf} (MHz)	5.99	6.06		6.02		6.06
Other Information	*prr* (Hz)	4,000.00					
	srr (Hz)	24.00					
	n_{pps}	2.09					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	214.71					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	4.92					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	10.47					
	p_r at z_{pii} (MPa)	3.43					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	11.1cm	11.1cm		11.1cm		11.1cm
	B/M Focus position	2.0cm	10.0cm		9.0cm		10.0cm
	B/M Working Frequency	6.5	6.5		6.5		6.5
	B PRF	4000	4000		4000		4000
	M PRF	1000	1000		1000		1000

Transducer Model: 6LB7_L

Imaging Mode: B+PW-mode

Maximum index value		0.92	0.17		0.35		0.34
Index component value			0.17	0.16	0.18	0.35	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.96					
	P (mW)		16.05		17.08		16.36
	$P_{1\times1}$ (mW)		7.87		8.02		
	z_s (cm)			1.66			
	z_b (cm)					1.66	
	z_{MI} (cm)	2.15					
	$z_{pii,}$ (cm)	2.15					
	f_{awf} (MHz)	4.57	5.27		5.27		5.27
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	30.00					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	184.34					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	110.55					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	228.83					
	p_r at z_{pii} (MPa)	2.66					

Transducer Model: 6LB7_L

Imaging Mode: Color+B-Mode / Power+B-Mode

Maximum index value		0.72	0.08		0.07		0.12
Index component value			0.08	0.08	0.07	0.07	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.79					
	P (mW)		12.59		10.49		7.93
	$P_{1\times1}$ (mW)		3.43		3.18		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.47					
	$z_{pii,}$ (cm)	1.47					
	f_{awf} (MHz)	6.07	5.33		5.33		5.49
Other Information	*prr* (Hz)	4,120.00					
	srr (Hz)	12.00					
	n_{pps}	1.33					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	109.31					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	1.14					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.10	[redacted]				

p_r (mW at

Transducer Model: 6LB7_L

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Maximum index value		0.79	0.07		0.67		0.30
Index component value			0.07	0.05	0.17	0.67	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.83					
	P (mW)		7.71		11.55		11.99
	$P_{1\times1}$ (mW)		2.70		6.75		
	z_s (cm)			1.08			
	z_b (cm)					1.08	
	z_{MI} (cm)	1.08					
	$z_{pii,}$ (cm)	1.08					
	f_{awf} (MHz)	5.34	5.42		5.40		5.40
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	16.00					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	140.20					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ mW/cm^2)	67.46					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	101.83					
	p_r at z_{pii} (MPa)	2.12					

100% D4 0.44 (35 (c)3

Transducer Model: 6LB7_L

Imaging Mode: CM/B+CM

Maximum index value		0.68	0.18		0.55		0.31	
Index component value			0.18	0.16	0.13	0.55		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	1.72						
	P (mW)		12.54		5.72		12.54	
	$P_{1\times1}$ (mW)		8.04		5.72			

Transducer Model: P10-4E

Imaging Mode: M-mode

Maximum index value		1.12	0.19		0.52		0.46
Index component value			0.19	0.14	0.46	0.52	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.67					
	P (mW)		8.77		11.63		11.63
	$P_{1\times1}$ (mW)		8.77		11.63		
	z_s (cm)			1.08			
	z_b (cm)					2.05	
	z_{MI} (cm)	1.76					
	$z_{pii,}$ (cm)	1.76					
	f_{awf} (MHz)	5.71	4.65		3.77		3.77
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	365.75					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	89.58					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	185.89					
	p_r at z_{pii} (MPa)	3.67					

Transducer Model: P10-4E

Imaging Mode: B-mode/Smart3D/iScape/Free Xros M

Maximum index value		1.11	0.64		1.10		1.10	
Index component value			0.64	0.64	1.10	0.64		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.66						
	P (mW)		28.00		28.00		28.00	
	$P_{1\times1}$ (mW)		28.00		28.00			
	z_s (cm)			/				
	z_b (cm)					/		
	z_{MI} (cm)	1.76						

Transducer Model: P10-4E

Imaging Mode: B+M-mode

Maximum index value			1.15	0.82		1.02		1.42
Index component value				0.82	0.76	0.82	1.02	
Acoustic Parameters	$p_{r,}$ at z_{MI}	(MPa)	2.74					
	P	(mW)		35.63		35.63		36.16
	$P_{1\times1}$	(mW)		35.63		35.63		P

Transducer Model: P10-4E

Imaging Mode: PW-mode/TVD-mode

Transducer Model: P10-4E

Imaging Mode: B+PW-mode/B+TVD-mode

Maximum index value		1.34	1.92		1.75		2.46
Index component value			1.92	1.55	0.77	1.75	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.98					
	P (mW)		80.58		31.36		31.36
	$P_{1\times1}$ (mW)		80.58		31.36		
	z_s (cm)			1.08			
	z_b (cm)					0.59	
	z_{MI} (cm)	1.66					
	$z_{pii,}$ (cm)	1.66					
	f_{awf} (MHz)	4.96	5.05		5.39		5.39
Other Information	*prr* (Hz)	4,899.00					
	srr (Hz)	49.00					
	n_{pps}	1.43					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	422.40					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	17.47					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	31.78					
	p_r at z_{pii} (MPa)	3.76					
	Acoustic power	100%	100%		100%		100%
	Display depth	10.2cm	10.2cm		10.2cm		10.2cm

Operating control conditions

Transducer Model: P10-4E

Imaging Mode: Color+B-Mode / Power+B-Mode /TVI+B/TEI+B

Maximum index value		1.30	1.46		1.46		2.48
Index component value			1.46	1.46	1.46	1.46	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.90					
	P (mW)		60.00		60.00		60.00
	$P_{1\times1}$ (mW)		60.00		60.00		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.69					
	$z_{pii,}$ (cm)	0.69					
	f_{awf} (MHz)	4.99	5.31		5.31		5.31
Other Information	*prr* (Hz)	4,562.00					
	srr (Hz)	40.00					
	n_{pps}	11.00					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	384.49					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	34.13					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	44.00					
	p_r at z_{pii} (MPa)	3.07					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	10.2cm	10.2cm		10.2cm		10.2cm
	B Focus Position	1.0cm	3.0cm		3.0cm		3.0cm
	Color Sampling Gate Position	1.0cm	3.0cm		3.0cm		3.0cm
	B Working Frequency	5.5	5.5		5.5		5.5
	C Working Frequency	5	5		5		5
	B PRF	3951	2769		2769		2769
	Color PRF	4562	6965		6965		6965

Transducer Model: P10-4E

Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode //TVI+B+TVD/ TEI+B+TVD

Maximum index value		1.01	1.42		2.20		3.89	
Index component value			1.42	1.33	1.26	2.20		
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.25						
	P (mW)		54.69		52.62		56.80	
	$P_{1\times1}$ (mW)		54.69		52.62			
	z_s (cm)			0.59				
	z_b (cm)					0.59		
	z_{MI} (cm)	0.98						
	$z_{pii,}$ (cm)	0.98						
	f_{awf} (MHz)	5.01	5.89		5.40		5.93	
Other Information	*prr* (Hz)	1,475.00						
	srr (Hz)	6.00						
	n_{pps}	12.00						
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	250.19						
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	3.25						
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	4.56						
	p_r at z_{pii} (MPa)	2.67						
Operating control conditions	Acoustic power	100%	100%		100%		100%	
	Display depth	10.2cm	10.2cm		10.2cm		10.2cm	
	B Focus Position	1.0cm	1.0cm		1.0cm		1.0cm	
	Color SG Position	1.0cm	1.0cm		1.0cm		1.0cm	
	PW SV Position	1.0cm	1.0cm		1.0cm		1.0cm	
	B Working Frequency	5.5	6.5		5.5		6.5	
	C Working Frequency	5	5.7		5		5.7	
	PW Working Frequency	5	5		5		5	
	B PRF	768	771		768		780	
	C PRF	1475	1480		1475		1497	
	PW PRF	8310	8342		8310		8438	

Transducer Model: P10-4E

Imaging Mode: CM/ TVM / B+CM/B+TVM

Maximum index value		0.98	0.82		1.41		1.36
Index component value			0.82	0.57	0.82	1.41	
Acoustic Parameters	$p_{r,}$ at z_{MI} (MPa)	2.17					
	P (mW)		35.10		35.10		33.69
	$P_{1\times1}$ (mW)		35.10		35.10		
	z_s (cm)			1.08			
	z_b (cm)					1.95	
	z_{MI} (cm)	2.05					
	$z_{pii,}$ (cm)	2.05					
	f_{awf} (MHz)	4.93	4.88		4.88		4.90
Other Information	*prr* (Hz)	1,666.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,}$ at $z_{pii,}$ (W/cm^2)	240.64					
	$I_{spta,}$ at $z_{pii,}$ or $z_{sii,}$ (mW/cm^2)	306.03					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	619.15					
	p_r at z_{pii} (MPa)	3.07					

Operating control conditions

A
cc c
cons .003 Tw 9 6
c ons .003 Tw 9 ( ) T 0.6 -1.342 Td [(c)-3.7 2
c 0.7370cons .003 Tw 9 1
c 0.7370cons .003 Tw 9 2
c7.J0.7370cons .003 T.4 7.2 033268re201 0.48ref12.533268re01 0.48ref114 33268re01 0.48ref233.31148 0.48 0.48ref233.3
c 0.7370cons .003 Tw 9 6
c 0.7370cons .003 Tw 9 7
c7.J0.7370cons .003 T.4 7.2 0149 re201 0.48ref12.5149 re01 0.48ref114 149 re01 0.48ref233.1520 re2048 0.48ref23
c 5.J0.7375 .003 Tw 9 ns .003 Tw 9 0
c 5.J0.7375 .003 Tw 9 ns .003 Tw 9 1
c5.J0.4375 .003 Tw 9 ns .003 Tw 9 2
c5.J0.4375 .003 Tw 9 ns .003 T.4 7.2 19 40.4 re201 0.48ref112.19 40.4 re01 0.48ref1419 40.4 re01 0.48ref233
c
c 66ns .0Tw 9 ns .003 Tw 9 6
c ns .(66ns .0Tw 9) 26.2 153.9 29 (ons .003 Tw 9) 26.7 (7) T 0.6 -1.342 Td [(c)-4.8 6.9 29 (66ns .0Tw 9) 26.2.1

Transducer Model: P10-4E

P/N: 046-013761-01 (1.0)