DC-55/DC-58

Diagnostic Ultrasound System

Operator’s Manual

[Acoustic Power Data and Surface Temperature Data]

Contents

For this Operator's Manual, the issue date is 2019-03.

Introduction

This manual gives all the transducers Acoustic Output Power data and Surface Temperature Data for this Diagnostic Ultrasound System. Please refer to correlative tables in use.

The acoustic output data of transducers are shown respectively in the following imaging modes. The mode in the parenthesis refers to the imaging mode mentioned in Operator's Manual (Basic Volume).

IMPORTANT!

1. No part of this manual may be copied or reprinted, in whole or in part, without written permission.
2. The contents of this manual are subject to change without prior notice and without our legal obligation.

How to Read the Acoustic Power Tables

Description of symbols used in acoustic output tables:

Symbol	Description
α	Acoustic attenuation coefficient
A_{aprt}	-12 dB output beam area
D_{eq}	Equivalent aperture diameter
d_{eq}	Equivalent beam diameter
f_{awf}	Acoustic working frequency (MHz)
I_{pa}	Pulse average intensity
$I_{pa, \alpha}$	Attenuated pulse average intensity
I_{pi}	Pulse intensity integral
$I_{pi, \alpha}$	Attenuated pulse intensity integral
$I_{ta}(z)$	Temporal average intensity
$I_{ta, \alpha}(z)$	Attenuated temporal average intensity
$I_{zpta}(z)$	Spatial-peak temporal-average intensity
$I_{zpta, \alpha}(z)$	Attenuated Spatial-peak temporal-average intensity
MI	Mechanical Index
P	Output power
P_{α}	Attenuated power
P_1	Bonded output power
p_i	Pulse pressure squared integral
p_r	Peak rarefactional acoustic pressure
$p_{r.a}$	Attenuated Peak rarefactional acoustic pressure
prr	Pulse repetition frequency (Hz)
TI	Thermal index
TIS	Soft tissue thermal index
TIB	Bone thermal index
TIC	Cranial-bone thermal index
Z_b	Depth for TIB
Z_{bp}	Break point depth
Z_s	Depth for TIS

NOTE: About the detail of acoustic power, please refer to the regulation of ALARA in operator's manual (Basic Volume).

1 Transducer Maximum Surface Temperature

According to the requirements of the section 42.3 in the standard IEC 60601-2-37 Edition 2.1: 2015, the transducer surface temperature has been tested in two kinds of conditions: the transducer suspended in still air or transducer contacting human-tissue mimicking material.

* The measurement data were obtained under the test conditions employed at Mindray.

Transducer model	Maximum surface temperature (°C) Contacting TMM	Maximum surface temperature (°C) Suspending in air
3C5A	40.8	36.5
6C2	39.2	34.5
7L4A	40.1	36.3
L14-6NE	41	35.5
V11-3	41.5	31.9
V11-3B	41.5	32
P4-2	40.8	38.6
P7-3	40.6	33.6
D7-2E	39.8	35.1
CW5s	38.9	33
CW2s	36.2	29.3
DE10-3E	41.4	32
P10-4E	40.8	38.3
C6-2	40.4	36.5
L9-3E	40	36.5
7L4B	41.1	38.9

2 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

2.1 3C5A

Transducer Model: 3C5A

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.22	0.45		1.78		0.84
Index component value			0.30	0.45	0.85	1.78	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.02					
	P (mW)		59.71		54.32		59.71
	$P_{1\times1}$ (mW)		23.98		27.27		
	z_s (cm)			2.81			
	z_b (cm)					4.59	
	z_{MI} (cm)	2.20					
	$z_{pii,\alpha}$ (cm)	2.20					
	f_{awf} (MHz)	2.74	2.61		2.69		2.61
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	175.51					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	113.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	175.36					
	p_r at z_{pii} (MPa)	2.16					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	22cm		22cm		22cm
	Focus position	2.0cm	10.0cm		6.0cm		10.0cm
	Working Frequency	Pen	HRes		HRes		HRes
	PRF	1000	2000		2000		2000

Transducer Model: 3C5A

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.31	0.11		0.42		0.42
Index component value			0.11	0.11	0.42	0.12	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.20					
	P (mW)		53.10		53.50		54.00
	$P_{1\times1}$ (mW)		6.66		6.71		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	2.13					
	$z_{pii,\alpha}$ (cm)	2.13					
	f_{awf} (MHz)	2.81	3.62		3.62		3.62
Other Information	*prr* (Hz)	7,633.00					
	srr (Hz)	77.00					
	n_{pps}	2.33					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	217.07					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	33.36					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	50.49					
	p_r at z_{pii} (MPa)	2.65					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	7cm		7cm		7cm
	Focus position	2.0cm	2.0cm		2.0cm		3.0cm
	Working Frequency	Pen	Res		Res		HRes
	PRF	7633	7633		7633		7633

Transducer Model: 3C5A

Imaging Mode: B+M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.25	0.43		1.72		1.28
Index component value			0.42	0.43	0.42	1.72	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.07					
	P (mW)		120.98		121.18		121.38
	$P_{1\times1}$ (mW)		32.11		32.13		
	z_s (cm)			2.27			
	z_b (cm)					3.05	
	z_{MI} (cm)	1.92					
	$z_{pii,\alpha}$ (cm)	1.92					
	f_{awf} (MHz)	2.74	2.75		2.75		2.75
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	50.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	174.86					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	113.63					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	175.85					
	p_r at z_{pii} (MPa)	2.21					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	7cm		7cm		7cm
	B/M Focus position	2.0cm	3.0cm		3.0cm		3.0cm
	B/M Working Frequency	Pen	HRes		HRes		HRes
	B PRF	5000	4000		4000		4000
	M PRF	1000	2000		2000		2000

2-4 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: 3C5A

Imaging Mode: PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.34	1.00		2.63		1.75
Index component value			0.75	1.00	1.89	2.63	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.33					
	P (mW)		121.57		130.87		121.57
	$P_{1\times1}$ (mW)		51.39		55.32		
	z_s (cm)			2.71			
	z_b (cm)					5.94	
	z_{MI} (cm)	3.40					
	$z_{pii,\alpha}$ (cm)	3.40					
	f_{awf} (MHz)	3.04	3.05		2.35		3.05
Other Information	prr (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	353.34					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	304.75					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	641.96					
	p_r at z_{pii} (MPa)	3.11					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	SV Position	4.0cm	9.0cm		9.0cm		9.0cm
	Working Frequency	Res	Res		Pen		Res
	PRF	699	6299		6299		6299
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 3C5A

Imaging Mode: B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.30	0.91		2.41		1.80
Index component value			0.69	0.91	0.68	2.41	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.35					
	P (mW)		141.97		191.49		142.17
	$P_{1\times1}$ (mW)		48.78		59.64		
	z_s (cm)			2.71			
	z_b (cm)					5.64	
	z_{MI} (cm)	3.40					
	$z_{pii,\alpha}$ (cm)	3.40					
	f_{awf} (MHz)	3.26	3.04		2.66		3.04
Other Information	prr (Hz)	353.00					
	srr (Hz)	6.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	227.39					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.44					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	5.26					
	p_r at z_{pii} (MPa)	3.45					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	B Focus Position	3.0cm	9.0cm		9.0cm		9.0cm
	SV Position	3.0cm	9.0cm		9.0cm		9.0cm
	B Working Frequency	Gen	HPen		Pen		HPen
	PW Working Frequency	Pen	Res		Pen		Res
	B PRF	353	350		149		350
	PW PRF	5029	5030		5415		5030
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-6 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: 3C5A

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.98	0.30		0.31		1.47
Index component value			0.30	0.30	0.31	0.31	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.62					
	P (mW)		184.70		191.10		187.80
	$P_{1\times1}$ (mW)		23.18		23.98		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	3.05					
	$z_{pii,\alpha}$ (cm)	3.05					
	f_{awf} (MHz)	2.73	2.73		2.73		2.73
Other Information	prr (Hz)	1,281.00					
	srr (Hz)	16.00					
	n_{pps}	2.67					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	151.41					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	4.48					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	8.07					
	p_r at z_{pii} (MPa)	2.11					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	22cm		22cm		22cm
	B Focus Position	2.0cm	11.0cm		11.0cm		10.0cm
	Color Sampling Gate Position	2.0cm	11.0cm		11.0cm		10.0cm
	B Working Frequency	Pen	HRes		HRes		HRes
	C Working Frequency	Pen	Res		Res		Res
	B PRF	1281	804		804		887
	Color PRF	8435	2491		2491		2964

Transducer Model: 3C5A
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.36	0.94		2.48		2.67
Index component value			0.73	0.94	0.74	2.48	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.27					
	P (mW)		238.71		261.86		258.97
	$P_{1\times1}$ (mW)		52.96		60.66		
	z_s (cm)			2.92			
	z_b (cm)					5.54	
	z_{MI} (cm)	1.99					
	$z_{pii,\alpha}$ (cm)	1.99					
	f_{awf} (MHz)	2.81	3.02		3.13		3.04
Other Information	*prr* (Hz)	348.00					
	srr (Hz)	9.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	224.93					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	4.05					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.10					
	p_r at z_{pii} (MPa)	2.76					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	22cm		22cm		7cm
	B Focus Position	2.0cm	11.0cm		8.0cm		2.0cm
	Color SG Position	2.0cm	11.0cm		8.0cm		2.0cm
	PW SV Position	2.0cm	11.0cm		8.0cm		2.0cm
	B Working Frequency	Pen	HPen		Gen		Gen
	C Working Frequency	Pen	Res		Res		Pen
	PW Working Frequency	Pen	Res		Pen		Res
	B PRF	348	232		69		232
	C PRF	1611	565		328		565
	PW PRF	4595	4461		5212		4461
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-8 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: 3C5A

Imaging Mode: CM/B+CM-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.26	1.09		2.85		1.99
Index component value			0.73	1.09	0.76	2.85	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.09					
	P (mW)		145.65		72.96		141.88
	$P_{1\times1}$ (mW)		55.92		58.37		
	z_s (cm)			2.92			
	z_b (cm)					1.99	
	z_{MI} (cm)	3.40					
	$z_{pii,\alpha}$ (cm)	3.40					
	f_{awf} (MHz)	2.76	2.74		2.77		2.74
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	335.12					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	443.67					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	865.97					
	p_r at z_{pii} (MPa)	2.89					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	22cm		7cm		22cm
	M Focus Position	3.0cm	11.0cm		2.0cm		10.0cm
	CM Focus Position	3.0cm	11.0cm		2.0cm		10.0cm
	M Working Frequency	Pen	Pen		HPen		Pen
	CM Working Frequency	Res	Res		Res		Res
	M PRF	125	250		500		250
	CM PRF	2000	4000		4000		4000

2.2 6C2

Transducer Model: 6C2

Imaging Mode: M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.94	0.08		0.23		0.25
Index component value			0.08	0.05	0.16	0.23	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.26					
	P (mW)		3.58		2.84		3.58
	$P_{1\times1}$ (mW)		3.58		2.84		
	z_s (cm)			1.36			
	z_b (cm)					0.68	
	z_{MI} (cm)	1.65					
	$z_{pii,\alpha}$ (cm)	1.65					
	f_{awf} (MHz)	5.76	4.59		4.60		4.59
Other Information	prr (Hz)	500.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	158.78					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	26.08					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	51.83					
	p_r at z_{pii} (MPa)	2.92					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		3cm		3cm
	Focus position	2.5cm	5.0cm		1.0cm		0.5cm
	Working Frequency	Pen	HPen		HPen		HPen
	PRF	500	1500		3000		3000

Transducer Model: 6C2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.02	0.72		1.39		1.43
Index component value			0.72	0.72	1.39	0.66	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.45					
	P (mW)		79.00		79.00		81.10
	$P_{1\times1}$ (mW)		30.11		30.11		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.65					
	$z_{pii,\alpha}$ (cm)	1.65					
	f_{awf} (MHz)	5.80	5.03		4.58		5.03
Other Information	*prr* (Hz)	1,484.00					
	srr (Hz)	15.00					
	n_{pps}	2.33					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	205.86					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	3.02					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	5.91					
	p_r at z_{pii} (MPa)	3.35					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	3cm		3cm		3cm
	Focus position	2.5cm	1.0cm		1.0cm		1.0cm
	Working Frequency	Pen	Gen		HPen		Gen
	PRF	1484	4799		8570		4799

Transducer Model: 6C2

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.02	0.68		0.76		1.63
Index component value			0.68	0.66	0.60	0.76	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.43					
	P (mW)		76.28		66.68		83.28
	$P_{1\times1}$ (mW)		30.91		27.25		
	z_s (cm)			0.68			
	z_b (cm)					0.68	
	z_{MI} (cm)	1.57					
	$z_{pii,\alpha}$ (cm)	1.57					
	f_{awf} (MHz)	5.68	4.60		4.60		4.60
Other Information	prr (Hz)	125.00					
	srr (Hz)	11.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	173.21					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	7.02					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	13.01					
	p_r at z_{pii} (MPa)	3.30					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	3cm		3cm		3cm
	B/M Focus position	2.5cm	1.0cm		1.0cm		0.5cm
	B/M Working Frequency	Pen	HPen		HPen		HPen
	B PRF	1125	3000		3000		3000
	M PRF	125	3000		3000		3000

Transducer Model: 6C2

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.14	0.51		1.24		1.51
Index component value			0.51	0.32	0.66	1.24	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.71					
	P (mW)		21.37		15.50		21.37
	$P_{1\times1}$ (mW)		21.37		15.50		
	z_s (cm)			1.36			
	z_b (cm)					1.51	
	z_{MI} (cm)	1.42					
	$z_{pii,\alpha}$ (cm)	1.42					
	f_{awf} (MHz)	5.60	5.04		4.58		5.04
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	329.00					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	151.65					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	272.38					
	p_r at z_{pii} (MPa)	3.35					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		3cm
	SV Position	2.0cm	5.0cm		2.5cm		0.5cm
	Working Frequency	Res	Gen		Pen		Res
	PRF	699	10397		5699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 6C2

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.08	0.85		1.64		1.67
Index component value			0.85	0.69	0.77	1.64	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.55					
	P (mW)		60.31		71.23		80.21
	$P_{1\times1}$ (mW)		34.13		35.02		
	z_s (cm)			1.36			
	z_b (cm)					1.51	
	z_{MI} (cm)	1.42					
	$z_{pii,\alpha}$ (cm)	1.42					
	f_{awf} (MHz)	5.58	5.46		4.60		5.46
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	38.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	298.80					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	138.08					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	243.30					
	p_r at z_{pii} (MPa)	3.30					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		18cm
	B Focus Position	2.0cm	5.0cm		2.5cm		5.0cm
	SV Position	2.0cm	5.0cm		2.5cm		5.0cm
	B Working Frequency	Pen	Pen		HPen		Pen
	PW Working Frequency	Res	Gen		Pen		Gen
	B PRF	2799	427		436		427
	PW PRF	699	5032		5030		5032
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-14 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: 6C2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.09	0.64		0.61		1.20
Index component value			0.64	0.64	0.61	0.61	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.44					
	P (mW)		67.90		67.90		67.80
	$P_{1\times1}$ (mW)		25.88		25.88		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.67					
	$z_{pii,\alpha}$ (cm)	1.67					
	f_{awf} (MHz)	5.00	6.11		5.02		6.11
Other Information	*prr* (Hz)	735.00					
	srr (Hz)	16.00					
	n_{pps}	39.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	339.49					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	12.45					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	22.17					
	p_r at z_{pii} (MPa)	3.25					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	3cm		3cm		3cm
	B Focus Position	3.0cm	0.5cm		0.5cm		0.5cm
	Color Sampling Gate Position	3.0cm	0.5cm		0.5cm		0.5cm
	B Working Frequency	Pen	Pen		HPen		Pen
	C Working Frequency	Gen	Gen		Gen		Gen
	B PRF	1602	2610		5903		2310
	Color PRF	735	8389		6325		7212

Transducer Model: 6C2
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.90	0.73		1.63		1.73
Index component value			0.73	0.62	0.79	1.63	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.14					
	P (mW)		54.94		63.84		53.74
	$P_{1\times1}$ (mW)		30.06		31.90		
	z_s (cm)			1.06			
	z_b (cm)					1.51	
	z_{MI} (cm)	1.94					
	$z_{pii,\alpha}$ (cm)	1.94					
	f_{awf} (MHz)	5.71	5.66		5.71		5.66
Other Information	*prr* (Hz)	158.00					
	srr (Hz)	3.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	156.68					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	0.48					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	1.03					
	p_r at z_{pii} (MPa)	3.14					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		3cm
	B Focus Position	3.0cm	3.5cm		2.5cm		0.5cm
	Color SG Position	3.0cm	3.5cm		2.5cm		0.5cm
	PW SV Position	3.0cm	3.5cm		2.5cm		0.5cm
	B Working Frequency	Pen	Pen		HPen		HPen
	C Working Frequency	Gen	Gen		Res		Gen
	PW Working Frequency	Pen	Gen		Pen		Res
	B PRF	158	158		571		653
	C PRF	1043	1043		125		892
	PW PRF	4908	4908		4754		5016
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 6C2

Imaging Mode: CM/B+CM- Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.01	0.50		1.30		1.48
Index component value			0.50	0.31	0.47	1.30	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.26					
	P (mW)		20.94		19.85		20.94
	$P_{1\times1}$ (mW)		20.94		19.85		
	z_s (cm)			1.36			
	z_b (cm)					1.83	
	z_{MI} (cm)	1.70					
	$z_{pii,\alpha}$ (cm)	1.70					
	f_{awf} (MHz)	5.00	5.44		5.07		5.44
Other Information	*prr* (Hz)	1,500.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	270.59					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	308.50					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	588.71					
	p_r at z_{pii} (MPa)	2.93					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		3cm
	M Focus Position	3.0cm	5.0cm		3.5cm		0.5cm
	CM Focus Position	3.0cm	5.0cm		3.5cm		0.5cm
	M Working Frequency	Res	Pen		HRes		Gen
	CM Working Frequency	Gen	Gen		Gen		Pen
	M PRF	125	166		500		500
	CM PRF	1500	2000		2000		6000

2.3 7L4A

Transducer Model: 7L4A

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.76	0.04		0.34		0.07
Index component value			0.04	0.04	0.16	0.34	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.98					
	P (mW)		2.81		2.81		2.81
	$P_{1\times1}$ (mW)		1.77		2.81		
	z_s (cm)			1.64			
	z_b (cm)					1.27	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	6.88	5.13		5.13		5.13
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	138.68					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	34.59					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	52.52					
	p_r at z_{pii} (MPa)	2.44					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	20cm		7cm		20cm
	Focus position	1.0cm	5.0cm		0.5cm		5.0cm
	Working Frequency	Gen	HPen		HRes		HPen
	PRF	1000	1500		3000		1500

Transducer Model: 7L4A

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.95	0.08		0.22		0.22
Index component value			0.08	0.08	0.22	0.09	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.51					
	P (mW)		13.40		13.60		14.00
	$P_{1\times1}$ (mW)		3.49		3.54		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	6.96	5.11		5.11		5.11
Other Information	*prr* (Hz)	6,666.00					
	srr (Hz)	58.00					
	n_{pps}	2.33					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	229.16					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	9.14					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	14.12					
	p_r at z_{pii} (MPa)	2.94					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	20cm		20cm		20cm
	Focus position	1.0cm	5.0cm		5.0cm		5.0cm
	Working Frequency	Gen	Gen		HPen		Gen
	PRF	6666	2339		2807		2339

Transducer Model: 7L4A

Imaging Mode: B+M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.76	0.10		0.16		0.25
Index component value			0.10	0.09	0.10	0.16	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.98					
	P (mW)		14.27		14.17		14.47
	$P_{1\times1}$ (mW)		3.95		4.04		
	z_s (cm)			1.55			
	z_b (cm)					1.27	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	6.89	5.13		5.13		5.13
Other Information	*prr* (Hz)	4,000.00					
	srr (Hz)	34.00					
	n_{pps}	2.33					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	142.59					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	3.62					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	5.49					
	p_r at z_{pii} (MPa)	2.45					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	20cm		7cm		7cm
	B/M Focus position	1.0cm	5.0cm		0.5cm		0.5cm
	B/M Working Frequency	Gen	Gen		HRes		HRes
	B PRF	4000	1750		3000		3000
	M PRF	1000	250		3000		3000

Transducer Model: 7L4A

Imaging Mode: PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.96	0.63		1.13		0.75
Index component value			0.63	0.45	0.75	1.13	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.05					
	P (mW)		29.23		25.67		25.67
	$P_{1\times1}$ (mW)		23.20		22.52		
	z_s (cm)			1.45			
	z_b (cm)					1.55	
	z_{MI} (cm)	1.03					
	$z_{pii,\alpha}$ (cm)	1.03					
	f_{awf} (MHz)	4.58	5.68		5.66		5.66
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	169.33					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	100.30					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	139.05					
	p_r at z_{pii} (MPa)	2.41					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	20cm		20cm		20cm
	SV Position	1.0cm	5.0cm		4.0cm		4.0cm
	Working Frequency	Pen	Res		Res		Res
	PRF	699	5699		5699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 7L4A

Imaging Mode: B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.82	0.67		0.93		0.94
Index component value			0.67	0.51	0.62	0.93	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.14					
	P (mW)		44.76		40.61		40.81
	$P_{1\times1}$ (mW)		25.29		23.72		
	z_s (cm)			1.45			
	z_b (cm)					1.55	
	z_{MI} (cm)	0.73					
	$z_{pii,\alpha}$ (cm)	0.73					
	f_{awf} (MHz)	6.85	5.68		5.63		5.63
Other Information	*prr* (Hz)	777.00					
	srr (Hz)	14.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	161.36					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.39					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.05					
	p_r at z_{pii} (MPa)	2.39					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	20cm		20cm		20cm
	B Focus Position	1.0cm	5.0cm		4.0cm		4.0cm
	SV Position	1.0cm	5.0cm		4.0cm		4.0cm
	B Working Frequency	Pen	Pen		Pen		Pen
	PW Working Frequency	Pen	Res		Res		Res
	B PRF	777	134		134		134
	PW PRF	5325	5505		5505		5505
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-22 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: 7L4A

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.03	0.13		0.13		0.31
Index component value			0.13	0.13	0.13	0.13	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.33					
	P (mW)		18.90		19.30		19.10
	$P_{1\times1}$ (mW)		4.92		5.03		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	5.09	6.03		6.03		6.03
Other Information	prr (Hz)	1,172.00					
	srr (Hz)	26.00					
	n_{pps}	39.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	252.09					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	14.59					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	17.39					
	p_r at z_{pii} (MPa)	2.54					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	20cm		20cm		20cm
	B Focus Position	0.5cm	3.5cm		4.5cm		3.5cm
	Color Sampling Gate Position	0.5cm	3.5cm		4.5cm		3.5cm
	B Working Frequency	HPen	Gen		HGen		Gen
	C Working Frequency	Gen	Gen		Gen		Gen
	B PRF	7663	2638		3305		2638
	Color PRF	1172	4362		2046		4362

Transducer Model: 7L4A

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.77	0.40		1.33		1.10
Index component value			0.40	0.33	0.48	1.33	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.96					
	P (mW)		26.50		30.12		30.32
	$P_{1\times1}$ (mW)		14.15		17.26		
	z_s (cm)			0.73			
	z_b (cm)					0.73	
	z_{MI} (cm)	0.65					
	$z_{pii,\alpha}$ (cm)	0.65					
	f_{awf} (MHz)	6.54	6.78		6.78		6.78
Other Information	*prr* (Hz)	308.00					
	srr (Hz)	5.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	134.74					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	0.55					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	0.73					
	p_r at z_{pii} (MPa)	2.27					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	7cm	7cm		7cm		7cm
	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	Pen	Pen		Pen		Pen
	C Working Frequency	Gen	Gen		Res		Pen
	PW Working Frequency	Pen	Res		Res		Gen
	B PRF	308	308		107		107
	C PRF	1214	1214		395		394
	PW PRF	5047	5047		5423		5400
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2.4 D7-2E

Transducer Model: D7-2E

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.28	0.32		1.35		0.64
Index component value			0.25	0.32	0.79	1.35	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.57					
	P (mW)		41.18		41.18		41.18
	$P_{1\times1}$ (mW)		20.41		30.62		
	z_s (cm)			2.56			
	z_b (cm)					3.09	
	z_{MI} (cm)	1.73					
	$z_{pii,\alpha}$ (cm)	1.73					
	f_{awf} (MHz)	4.01	2.54		2.54		2.54
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	355.93					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	126.14					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	205.34					
	p_r at z_{pii} (MPa)	3.26					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	Focus position	2.0cm	8.0cm		3.0cm		8.0cm
	Working Frequency	Gen	HGen		HPen		HGen
	PRF	1000	1000		2000		1000

Transducer Model: D7-2E

Imaging Mode: B-Mode/Smart3D/iScape/4D(Real-time 3D) /Tissue Harmonic Imaging

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.23	0.16		0.60		0.55
Index component value			0.16	0.16	0.60	0.16	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.47					
	P (mW)		63.40		63.30		58.08
	$P_{1\times1}$ (mW)		11.70		11.68		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.82					
	$z_{pii,\alpha}$ (cm)	1.82					
	f_{awf} (MHz)	4.00	2.87		2.87		2.87
Other Information	*prr* (Hz)	2,043.00					
	srr (Hz)	20.00					
	n_{pps}	1.50					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	317.93					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	6.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	11.15					
	p_r at z_{pii} (MPa)	3.17					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	Focus position	2.0cm	8.0cm		8.0cm		8.0cm
	Working Frequency	Gen	Pen		Pen		HPen
	PRF	2043	2043		2043		2043

Transducer Model: D7-2E

Imaging Mode: B+M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.32	0.32		1.15		1.00
Index component value			0.28	0.32	0.35	1.15	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.62					
	P (mW)		91.23		91.13		90.93
	$P_{1\times1}$ (mW)		23.53		28.85		
	z_s (cm)			2.56			
	z_b (cm)					3.09	
	z_{MI} (cm)	1.82					
	$z_{pii,\alpha}$ (cm)	1.82					
	f_{awf} (MHz)	3.94	2.55		2.55		2.55
Other Information	*prr* (Hz)	500.00					
	srr (Hz)	10.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	372.61					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	66.18					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	108.50					
	p_r at z_{pii} (MPa)	3.36					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		7cm		22cm
	B/M Focus position	2.0cm	8.0cm		3.0cm		7.0cm
	B/M Working Frequency	Gen	HGen		HPen		HPen
	B PRF	1000	1000		2000		1750
	M PRF	500	500		2000		250

Transducer Model: D7-2E

Imaging Mode: PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.89	0.43		0.91		0.95
Index component value			0.43	0.29	0.49	0.91	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.40					
	P (mW)		24.80		24.80		24.80
	$P_{1\times1}$ (mW)		22.55		19.67		
	z_s (cm)			1.73			
	z_b (cm)					2.00	
	z_{MI} (cm)	3.36					
	$z_{pii,\alpha}$ (cm)	3.36					
	f_{awf} (MHz)	2.50	3.99		3.99		3.99
Other Information	prr (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	99.09					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	176.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	333.13					
	p_r at z_{pii} (MPa)	1.73					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		7cm
	SV Position	5.0cm	4.0cm		6.0cm		2.0cm
	Working Frequency	Pen	Res		Gen		Res
	PRF	699	5699		8399		16000
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: D7-2E

Imaging Mode: B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.40	0.38		0.67		0.79
Index component value			0.38	0.29	0.35	0.67	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.12					
	P (mW)		41.81		42.01		42.71
	$P_{1\times1}$ (mW)		20.62		18.59		
	z_s (cm)			1.73			
	z_b (cm)					2.00	
	z_{MI} (cm)	3.09					
	$z_{pii,\alpha}$ (cm)	3.09					
	f_{awf} (MHz)	2.31	3.98		3.98		3.98
Other Information	prr (Hz)	252.00					
	srr (Hz)	3.00					
	n_{pps}	1.17					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	260.85					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.90					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.13					
	p_r at z_{pii} (MPa)	2.72					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		7cm
	B Focus Position	3.0cm	4.0cm		6.0cm		3.0cm
	SV Position	3.0cm	4.0cm		6.0cm		3.0cm
	B Working Frequency	HPen	Gen		Res		HPen
	PW Working Frequency	Pen	Res		Gen		Res
	B PRF	252	233		233		3499
	PW PRF	4989	612		612		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: D7-2E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.15	0.39		0.39		1.30
Index component value			0.39	0.39	0.39	0.39	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.29					
	P (mW)		117.20		118.00		117.70
	$P_{1\times1}$ (mW)		29.98		30.18		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.91					
	$z_{pii,\alpha}$ (cm)	1.91					
	f_{awf} (MHz)	4.00	3.06		3.06		3.06
Other Information	prr (Hz)	918.00					
	srr (Hz)	11.00					
	n_{pps}	1.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	261.48					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	3.10					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	5.25					
	p_r at z_{pii} (MPa)	2.98					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	B Focus Position	2.0cm	7.0cm		7.0cm		7.0cm
	Color Sampling Gate Position	2.0cm	7.0cm		7.0cm		7.0cm
	B Working Frequency	Gen	HPen		HPen		HPen
	C Working Frequency	Pen	Gen		Gen		Gen
	B PRF	918	1353		1353		1353
	Color PRF	3220	2373		2373		2373

Transducer Model: D7-2E
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.44	0.56		0.83		1.06
Index component value			0.56	0.44	0.51	0.83	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.19					
	P (mW)		78.57		78.87		79.07
	$P_{1\times1}$ (mW)		34.05		31.67		
	z_s (cm)			1.73			
	z_b (cm)					2.00	
	z_{MI} (cm)	3.09					
	$z_{pii,\alpha}$ (cm)	3.09					
	f_{awf} (MHz)	2.32	3.99		3.99		3.99
Other Information	*prr* (Hz)	208.00					
	srr (Hz)	2.00					
	n_{pps}	1.51					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	253.67					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.23					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.02					
	p_r at z_{pii} (MPa)	2.81					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	B Focus Position	3.0cm	4.0cm		6.0cm		6.0cm
	Color SG Position	3.0cm	4.0cm		6.0cm		6.0cm
	PW SV Position	3.0cm	4.0cm		6.0cm		6.0cm
	B Working Frequency	HPen	HPen		HPen		HPen
	C Working Frequency	Pen	Res		Res		Res
	PW Working Frequency	Pen	Res		Gen		Res
	B PRF	208	242		168		168
	C PRF	237	276		231		231
	PW PRF	4913	4819		5022		5022
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: D7-2E

Imaging Mode: CM/B+CM- Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.44	0.36		1.77		0.54
Index component value			0.36	0.28	0.36	1.77	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.35					
	P (mW)		28.88		28.88		28.88
	$P_{1\times1}$ (mW)		25.45		25.31		
	z_s (cm)			2.36			
	z_b (cm)					3.82	
	z_{MI} (cm)	3.00					
	$z_{pii,\alpha}$ (cm)	3.00					
	f_{awf} (MHz)	2.65	3.02		3.02		3.02
Other Information	*prr* (Hz)	83.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	263.94					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	15.18					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	26.71					
	p_r at z_{pii} (MPa)	2.90					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	22cm	22cm		22cm		22cm
	M Focus Position	3.0cm	5.0cm		6.0cm		7.0cm
	CM Focus Position	3.0cm	5.0cm		6.0cm		7.0cm
	M Working Frequency	HGen	HGen		HGen		HGen
	CM Working Frequency	Pen	Res		Res		Res
	M PRF	83	83		250		250
	CM PRF	1500	1500		4500		4500

2.5 L14-6NE

Transducer Model: L14-6NE

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.18	0.21		0.60		0.42
Index component value			0.21	0.19	0.60	0.58	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.87					
	P (mW)		11.80		11.80		11.80
	$P_{1\times1}$ (mW)		7.38		11.80		
	z_s (cm)			1.33			
	z_b (cm)					1.00	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	5.86	5.96		5.96		5.96
Other Information	*prr* (Hz)	3,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	299.18					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	299.81					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	428.76					
	p_r at z_{pii} (MPa)	3.43					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	Focus position	1.0cm	5.0cm		1.5cm		4.0cm
	Working Frequency	HGen	HGen		HGen		HGen
	PRF	3000	3000		3000		3000

Transducer Model: L14-6NE

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.37	0.15		0.28		0.27
Index component value			0.15	0.15	0.28	0.15	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.34					
	P (mW)		13.40		13.50		13.30
	$P_{1\times1}$ (mW)		3.47		3.50		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	5.91	9.05		9.05		9.05
Other Information	*prr* (Hz)	11,997.00					
	srr (Hz)	27.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	414.52					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	11.09					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	15.91					
	p_r at z_{pii} (MPa)	4.00					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	Focus position	1.0cm	5.0cm		5.0cm		5.0cm
	Working Frequency	HGen	Pen		Pen		Pen
	PRF	11997	4228		4228		4228

Transducer Model: L14-6NE

Imaging Mode: B+M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.41	0.24		0.38		0.45
Index component value			0.24	0.21	0.28	0.38	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.41					
	P (mW)		16.78		16.38		16.28
	$P_{1\times1}$ (mW)		5.44		6.45		
	z_s (cm)			1.33			
	z_b (cm)					1.00	
	z_{MI} (cm)	0.79					
	$z_{pii,\alpha}$ (cm)	0.79					
	f_{awf} (MHz)	5.87	9.15		9.15		9.15
Other Information	*prr* (Hz)	375.00					
	srr (Hz)	8.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	483.89					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	44.53					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	61.28					
	p_r at z_{pii} (MPa)	4.01					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		3cm		3cm
	B/M Focus position	1.0cm	5.0cm		1.0cm		1.0cm
	B/M Working Frequency	HGen	Pen		HGen		HGen
	B PRF	3750	2000		6000		6000
	M PRF	375	1000		3000		3000

Transducer Model: L14-6NE

Imaging Mode: PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.21	0.38		0.90		0.64
Index component value			0.38	0.24	0.64	0.90	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.12					
	P (mW)		11.80		11.80		11.80
	$P_{1\times1}$ (mW)		11.80		11.80		
	z_s (cm)			1.00			
	z_b (cm)					1.11	
	z_{MI} (cm)	0.52					
	$z_{pii,\alpha}$ (cm)	0.52					
	f_{awf} (MHz)	6.62	6.70		6.70		6.70
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	342.52					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	156.59					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	211.08					
	p_r at z_{pii} (MPa)	3.37					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	SV Position	1.0cm	2.5cm		2.5cm		2.5cm
	Working Frequency	Res	Res		Res		Res
	PRF	699	16000		16000		16000
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: L14-6NE

Imaging Mode: B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.51	0.43		1.01		0.75
Index component value			0.43	0.31	0.43	1.01	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.89					
	P (mW)		19.55		19.25		19.15
	$P_{1\times1}$ (mW)		13.03		12.96		
	z_s (cm)			1.00			
	z_b (cm)					1.00	
	z_{MI} (cm)	0.63					
	$z_{pii,\alpha}$ (cm)	0.63					
	f_{awf} (MHz)	6.65	8.36		8.36		8.36
Other Information	prr (Hz)	699.00					
	srr (Hz)	174.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	694.17					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	335.62					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	450.50					
	p_r at z_{pii} (MPa)	4.31					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	B Focus Position	1.0cm	2.5cm		2.5cm		2.5cm
	SV Position	1.0cm	2.5cm		2.5cm		2.5cm
	B Working Frequency	Pen	Pen		Res		Pen
	PW Working Frequency	Res	Res		Res		Res
	B PRF	11199	528		528		528
	PW PRF	699	4989		4989		4989
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: L14-6NE

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.41	0.09		0.48		1.08
Index component value			0.09	0.09	0.48	0.48	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.39					
	P (mW)		8.20		38.80		39.60
	$P_{1\times1}$ (mW)		2.12		18.12		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.73					
	$z_{pii,\alpha}$ (cm)	0.73					
	f_{awf} (MHz)	5.75	8.61		8.61		8.61
Other Information	prr (Hz)	4,122.00					
	srr (Hz)	10.00					
	n_{pps}	39.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	442.17					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	6.62					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	9.33					
	p_r at z_{pii} (MPa)	3.64					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	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	Pen	Pen		Pen		Pen
	C Working Frequency	Gen	Pen		Pen		Pen
	B PRF	1248	1998		1998		1998
	Color PRF	4122	6846		6846		6846

2-38 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: L14-6NE
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.16	0.23		1.20		1.38
Index component value			0.23	0.20	0.54	1.20	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.44					
	P (mW)		11.34		35.04		34.84
	$P_{1\times1}$ (mW)		7.19		19.61		
	z_s (cm)			0.50			
	z_b (cm)					0.60	
	z_{MI} (cm)	0.76					
	$z_{pii,\alpha}$ (cm)	0.76					
	f_{awf} (MHz)	8.82	7.39		7.39		7.39
Other Information	*prr* (Hz)	415.00					
	srr (Hz)	7.00					
	n_{pps}	2.24					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	384.58					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.81					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.01					
	p_r at z_{pii} (MPa)	4.15					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	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	Pen	Gen		Pen		Gen
	C Working Frequency	Gen	Pen		Pen		Pen
	PW Working Frequency	Pen	Res		Res		Res
	B PRF	415	244		244		244
	C PRF	1154	679		679		679
	PW PRF	5075	5087		5087		5087
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2.6 P4-2

Transducer Model: P4-2

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.29	0.27		0.78		0.56
Index component value			0.27	0.26	0.73	0.78	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.87					
	P (mW)		29.93		29.93		29.93
	$P_{1\times1}$ (mW)		21.50		25.80		
	z_s (cm)			2.00			
	z_b (cm)					3.92	
	z_{MI} (cm)	1.00					
	$z_{pii,\alpha}$ (cm)	1.00					
	f_{awf} (MHz)	2.10	2.67		2.67		2.67
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	132.82					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	116.64					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	149.29					
	p_r at z_{pii} (MPa)	1.82					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	Focus position	2.0cm	8.0cm		2.0cm		8.0cm
	Working Frequency	HRes	Gen		HRes		HGen
	PRF	1000	1000		1000		1000

Transducer Model: P4-2

Imaging Mode: B-Mode /Smart3D /iScape/Tissue Harmonic Imaging/Contrast imaging(contrast agent for LVO)

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.29	0.33		0.98		0.97
Index component value			0.33	0.33	0.98	0.34	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.86					
	P (mW)		73.10		73.60		73.30
	$P_{1\times1}$ (mW)		26.26		26.44		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.00					
	$z_{pii,\alpha}$ (cm)	1.00					
	f_{awf} (MHz)	2.09	2.67		2.67		2.67
Other Information	*prr* (Hz)	2,925.00					
	srr (Hz)	37.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	137.79					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	13.36					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	16.67					
	p_r at z_{pii} (MPa)	1.86					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	Focus position	2.0cm	8.0cm		8.0cm		8.0cm
	Working Frequency	HRes	Gen		Gen		HGen
	PRF	2925	3218		3218		2925

Transducer Model: P4-2

Imaging Mode: B+M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.34	0.38		0.57		1.32
Index component value			0.38	0.38	0.37	0.57	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.96					
	P (mW)		95.47		95.07		95.37
	$P_{1\times1}$ (mW)		37.41		37.26		
	z_s (cm)			2.14			
	z_b (cm)					4.06	
	z_{MI} (cm)	1.00					
	$z_{pii,\alpha}$ (cm)	1.00					
	f_{awf} (MHz)	2.13	2.11		2.11		2.11
Other Information	prr (Hz)	250.00					
	srr (Hz)	27.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	190.27					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	41.11					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	47.62					
	p_r at z_{pii} (MPa)	2.11					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	B/M Focus position	2.0cm	9.0cm		9.0cm		8.0cm
	B/M Working Frequency	HRes	HRes		HRes		HGen
	B PRF	2250	2250		2250		2250
	M PRF	250	250		250		250

Transducer Model: P4-2

Imaging Mode: PW-Mode/TVD-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.07	0.19		0.36		0.36
Index component value			0.19	0.16	0.36	0.16	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.64					
	P (mW)		19.24		19.24		19.24
	$P_{1\times1}$ (mW)		16.58		13.82		
	z_s (cm)			1.82			
	z_b (cm)					2.91	
	z_{MI} (cm)	1.00					
	$z_{pii,\alpha}$ (cm)	1.00					
	f_{awf} (MHz)	2.35	2.36		2.36		2.36
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	137.11					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	141.72					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	166.70					
	p_r at z_{pii} (MPa)	1.78					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	20cm		20cm		20cm
	SV Position	2.0cm	4.0cm		8.0cm		8.0cm
	Working Frequency	Gen	Gen		Gen		Gen
	PRF	699	11997		699		699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P4-2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.21	0.56		3.05		1.55
Index component value			0.55	0.56	0.55	3.05	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.76					
	P (mW)		104.00		104.10		103.80
	$P_{1\times1}$ (mW)		48.31		48.35		
	z_s (cm)			2.00			
	z_b (cm)					3.62	
	z_{MI} (cm)	2.75					
	$z_{pii,\alpha}$ (cm)	2.75					
	f_{awf} (MHz)	2.11	2.66		2.66		2.66
Other Information	prr (Hz)	2,099.00					
	srr (Hz)	29.00					
	n_{pps}	1.43					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	144.00					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	10.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	16.62					
	p_r at z_{pii} (MPa)	1.91					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	B Focus Position	3.0cm	8.0cm		8.0cm		8.0cm
	SV Position	3.0cm	8.0cm		8.0cm		8.0cm
	B Working Frequency	HRes	Gen		HGen		HGen
	PW Working Frequency	Pen	Pen		Gen		Gen
	B PRF	2099	2099		239		2099
	PW PRF	699	699		5230		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P4-2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.65	0.33		0.67		2.05
Index component value			0.33	0.33	0.67	0.67	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.00					
	P (mW)		73.10		154.90		154.50
	$P_{1\times1}$ (mW)		26.26		55.64		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.18					
	$z_{pii,\alpha}$ (cm)	1.18					
	f_{awf} (MHz)	2.37	2.67		2.67		2.67
Other Information	prr (Hz)	1,117.00					
	srr (Hz)	10.00					
	n_{pps}	11.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	34.04					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.15					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	1.40					
	p_r at z_{pii} (MPa)	1.10					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	B Focus Position	2.0cm	8.0cm		8.0cm		10.0cm
	Color Sampling Gate Position	2.0cm	8.0cm		8.0cm		10.0cm
	B Working Frequency	HPen	Gen		Gen		HGen
	C Working Frequency	Gen	Gen		Gen		Gen
	B PRF	1783	1233		1233		1188
	Color PRF	1117	1545		1545		1488

Transducer Model: P4-2
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode//TVI+B+TVD/ TEI+B+TVD

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.70	0.35		0.84		1.50
Index component value			0.35	0.33	0.48	0.84	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.07					
	P (mW)		71.82		104.92		103.52
	$P_{1\times1}$ (mW)		32.90		44.79		
	z_s (cm)			1.73			
	z_b (cm)					1.73	
	z_{MI} (cm)	1.09					
	$z_{pii,\alpha}$ (cm)	1.09					
	f_{awf} (MHz)	2.36	2.36		2.36		2.36
Other Information	*prr* (Hz)	244.00					
	srr (Hz)	5.00					
	n_{pps}	12.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	38.80					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	0.64					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	0.77					
	p_r at z_{pii} (MPa)	1.17					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		6cm		20cm
	B Focus Position	2.0cm	2.0cm		2.0cm		4.0cm
	Color SG Position	2.0cm	2.0cm		2.0cm		4.0cm
	PW SV Position	2.0cm	2.0cm		2.0cm		4.0cm
	B Working Frequency	HPen	HRes		Gen		Pen
	C Working Frequency	Gen	Gen		Gen		Gen
	PW Working Frequency	Pen	Gen		Gen		Gen
	B PRF	536	414		616		503
	C PRF	244	405		407		322
	PW PRF	4574	4583		5013		4559
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P4-2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.91	0.40		1.52		0.72
Index component value			0.40	0.35	0.40	1.52	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.40					
	P (mW)		39.99		39.99		39.99
	$P_{1\times1}$ (mW)		34.47		34.47		
	z_s (cm)			1.73			
	z_b (cm)					1.73	
	z_{MI} (cm)	1.36					
	$z_{pii,\alpha}$ (cm)	1.36					
	f_{awf} (MHz)	2.39	3.28		3.28		3.28
Other Information	prr (Hz)	1,333.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	72.03					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	74.81					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	93.66					
	p_r at z_{pii} (MPa)	1.57					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	20cm		20cm		20cm
	M Focus Position	2.0cm	2.0cm		2.0cm		9.0cm
	CM Focus Position	2.0cm	2.0cm		2.0cm		9.0cm
	M Working Frequency	HPen	Res		HRes		Res
	CM Working Frequency	Res	Res		Res		Res
	M PRF	166	250		250		250
	CM PRF	1333	4000		4000		4000

Transducer Model: P4-2

Imaging Mode: CW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.07	0.80		2.94		2.19
Index component value			0.80	0.73	2.19	2.94	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	0.11					
	P (mW)		97.42		97.42		97.42
	$P_{1\times1}$ (mW)		83.98		83.98		
	z_s (cm)			1.77			
	z_b (cm)					3.04	
	z_{MI} (cm)	3.53					
	$z_{pii,\alpha}$ (cm)	3.53					
	f_{awf} (MHz)	2.00	2.00		2.00		2.00
Other Information	*prr* (Hz)	/					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	0.34					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	342.77					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	560.48					
	p_r at z_{pii} (MPa)	0.14					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	Focus position	8.0cm	8.0cm		8.0cm		8.0cm
	Working Frequency	2	2		2		2

2.7 P7-3

Transducer Model: P7-3

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.32	0.28		1.23		0.38
Index component value			0.28	0.20	0.48	1.23	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.22					
	P (mW)		19.12		19.12		19.12
	$P_{1\times1}$ (mW)		19.12		19.12		
	z_s (cm)			1.64			
	z_b (cm)					2.36	
	z_{MI} (cm)	2.74					
	$z_{pii,\alpha}$ (cm)	2.74					
	f_{awf} (MHz)	2.85	3.04		3.04		3.04
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	242.73					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	155.84					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	267.04					
	p_r at z_{pii} (MPa)	2.91					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	Focus position	3.0cm	3.0cm		3.0cm		10.0cm
	Working Frequency	HPen	HRes		HRes		Pen
	PRF	1000	1000		1000		1000

Transducer Model: P7-3

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.48	0.35		0.77		0.77
Index component value			0.35	0.35	0.77	0.35	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.49					
	P (mW)		38.30		38.40		38.60
	$P_{1\times1}$ (mW)		24.93		25.00		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.91					
	$z_{pii,\alpha}$ (cm)	1.91					
	f_{awf} (MHz)	2.83	2.95		2.95		2.95
Other Information	*prr* (Hz)	2,306.00					
	srr (Hz)	31.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	248.06					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	14.93					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	22.24					
	p_r at z_{pii} (MPa)	2.82					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	Focus position	2.0cm	6.0cm		6.0cm		6.0cm
	Working Frequency	HPen	HGen		HGen		HGen
	PRF	2306	2306		2306		2306

Transducer Model: P7-3

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.50	0.39		0.64		0.86
Index component value			0.39	0.39	0.41	0.64	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.51					
	P (mW)		42.87		42.67		43.07
	$P_{1\times1}$ (mW)		27.91		29.30		
	z_s (cm)			2.00			
	z_b (cm)					4.06	
	z_{MI} (cm)	2.00					
	$z_{pii,\alpha}$ (cm)	2.00					
	f_{awf} (MHz)	2.82	2.95		2.95		2.95
Other Information	*prr* (Hz)	250.00					
	srr (Hz)	22.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	277.21					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	45.20					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	68.06					
	p_r at z_{pii} (MPa)	2.91					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		5cm		20cm
	B/M Focus position	2.0cm	6.0cm		3.0cm		6.0cm
	B/M Working Frequency	HPen	HGen		HGen		HGen
	B PRF	1750	1750		5000		1750
	M PRF	250	250		1000		250

Transducer Model: P7-3

Imaging Mode: PW-mode/TVD-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.32	0.36		1.07		0.78
Index component value			0.36	0.27	0.78	1.07	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.18					
	P (mW)		22.39		22.39		22.39
	$P_{1\times1}$ (mW)		22.39		22.39		
	z_s (cm)			1.18			
	z_b (cm)					2.09	
	z_{MI} (cm)	2.00					
	$z_{pii,\alpha}$ (cm)	2.00					
	f_{awf} (MHz)	2.71	3.35		3.35		3.35
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	272.74					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	236.90					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	346.01					
	p_r at z_{pii} (MPa)	2.58					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	SV Position	5.0cm	5.0cm		5.0cm		5.0cm
	Working Frequency	Pen	Gen		Pen		Gen
	PRF	699	10000		10000		10000
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P7-3

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.39	0.60		2.86		1.35
Index component value			0.60	0.52	0.60	2.86	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.57					
	P (mW)		50.15		49.95		50.65
	$P_{1\times1}$ (mW)		40.59		40.46		
	z_s (cm)			1.18			
	z_b (cm)					1.91	
	z_{MI} (cm)	2.55					
	$z_{pii,\alpha}$ (cm)	2.55					
	f_{awf} (MHz)	3.40	3.27		3.27		3.27
Other Information	*prr* (Hz)	333.00					
	srr (Hz)	7.00					
	n_{pps}	1.43					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	254.48					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.34					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	4.39					
	p_r at z_{pii} (MPa)	3.37					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	B Focus Position	3.0cm	5.0cm		5.0cm		5.0cm
	SV Position	3.0cm	5.0cm		5.0cm		5.0cm
	B Working Frequency	Pen	HGen		Gen		HGen
	PW Working Frequency	Pen	Gen		Pen		Gen
	B PRF	333	1399		333		1399
	PW PRF	4987	699		4987		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P7-3

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.49	0.16		1.21		2.06
Index component value			0.16	0.16	1.21	1.21	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.51					
	P (mW)		14.30		102.80		103.30
	$P_{1\times1}$ (mW)		9.31		66.93		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	2.00					
	$z_{pii,\alpha}$ (cm)	2.00					
	f_{awf} (MHz)	2.82	3.84		3.84		3.84
Other Information	prr (Hz)	1,076.00					
	srr (Hz)	14.00					
	n_{pps}	1.19					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	281.50					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	7.68					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	11.45					
	p_r at z_{pii} (MPa)	2.96					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	5cm		5cm		5cm
	B Focus Position	2.0cm	3.0cm		3.0cm		3.0cm
	Color Sampling Gate Position	2.0cm	3.0cm		3.0cm		3.0cm
	B Working Frequency	HPen	Pen		Pen		HGen
	C Working Frequency	Pen	Res		Res		Pen
	B PRF	1076	2234		2234		1579
	Color PRF	3781	7852		7852		5549

Transducer Model: P7-3
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode //TVI+B+TVD/ TEI+B+TVD

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.39	0.28		1.51		2.74
Index component value			0.28	0.25	1.33	1.51	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.58					
	P (mW)		24.31		126.21		128.81
	$P_{1\times1}$ (mW)		18.03		84.37		
	z_s (cm)			1.00			
	z_b (cm)					1.00	
	z_{MI} (cm)	2.18					
	$z_{pii,\alpha}$ (cm)	2.18					
	f_{awf} (MHz)	3.46	3.89		3.89		3.89
Other Information	*prr* (Hz)	276.00					
	srr (Hz)	6.00					
	n_{pps}	1.07					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	329.96					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.45					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	4.19					
	p_r at z_{pii} (MPa)	3.26					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	5cm		5cm		5cm
	B Focus Position	2.0cm	3.0cm		3.0cm		3.0cm
	Color SG Position	2.0cm	3.0cm		3.0cm		3.0cm
	PW SV Position	2.0cm	3.0cm		3.0cm		3.0cm
	B Working Frequency	Pen	HPen		HPen		HPen
	C Working Frequency	Gen	Gen		Gen		Gen
	PW Working Frequency	Pen	Res		Pen		Pen
	B PRF	276	459		459		459
	C PRF	608	988		988		988
	PW PRF	4721	4691		4691		4691
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P7-3

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.34	0.38		0.61		0.55
Index component value			0.38	0.25	0.43	0.61	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.53					
	P (mW)		23.63		23.63		23.63
	$P_{1\times1}$ (mW)		20.68		23.63		
	z_s (cm)			2.00			
	z_b (cm)					2.81	
	z_{MI} (cm)	2.74					
	$z_{pii,\alpha}$ (cm)	2.74					
	f_{awf} (MHz)	3.59	3.84		3.84		3.84
Other Information	*prr* (Hz)	83.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	429.26					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	13.47					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	26.53					
	p_r at z_{pii} (MPa)	3.55					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		5cm		20cm
	M Focus Position	3.0cm	8.0cm		3.0cm		8.0cm
	CM Focus Position	3.0cm	8.0cm		3.0cm		8.0cm
	M Working Frequency	Pen	Pen		Gen		Res
	CM Working Frequency	Gen	Res		Res		Res
	M PRF	83	125		125		125
	CM PRF	1333	2000		2000		2000

Transducer Model: P7-3

Imaging Mode: CW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.08	0.59		2.57		1.71
Index component value			0.59	0.48	1.71	2.57	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	0.13					
	P (mW)		49.50		49.50		49.50
	$P_{1\times1}$ (mW)		49.50		49.50		
	z_s (cm)			1.17			
	z_b (cm)					1.83	
	z_{MI} (cm)	1.83					
	$z_{pii,\alpha}$ (cm)	1.83					
	f_{awf} (MHz)	2.51	2.51		2.51		2.51
Other Information	*prr* (Hz)	/					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	0.46					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	455.98					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	638.30					
	p_r at z_{pii} (MPa)	0.15					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	20cm	20cm		20cm		20cm
	Focus position	5.0cm	5.0cm		5.0cm		5.0cm
	Working Frequency	2.5	2.5		2.5		2.5

2.8 V11-3B

Transducer Model: V11-3B

Imaging Mode: M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.24	0.19		0.51		0.35
Index component value			0.19	0.13	0.44	0.51	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.86					
	P (mW)		9.50		9.50		9.50
	$P_{1\times1}$ (mW)		9.50		9.50		
	z_s (cm)			1.22			
	z_b (cm)					2.22	
	z_{MI} (cm)	0.54					
	$z_{pii,\alpha}$ (cm)	0.54					
	f_{awf} (MHz)	5.29	4.17		4.17		4.17
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	227.66					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	74.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	91.08					
	p_r at z_{pii} (MPa)	3.16					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	Focus position	1.0cm	4.0cm		2.5cm		4.0cm
	Working Frequency	Gen	HGen		HRes		HGen
	PRF	1000	1500		1500		1500

Transducer Model: V11-3B

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.16	0.06		0.12		0.13
Index component value			0.06	0.06	0.12	0.06	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.66					
	P (mW)		6.60		6.40		6.70
	$P_{1\times1}$ (mW)		2.45		2.38		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	5.26	4.97		4.97		4.97
Other Information	*prr* (Hz)	4,799.00					
	srr (Hz)	36.00					
	n_{pps}	1.50					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	224.63					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	7.61					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	9.13					
	p_r at z_{pii} (MPa)	2.91					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		3cm		3cm
	Focus position	0.5cm	3.5cm		1.0cm		1.0cm
	Working Frequency	Gen	Gen		HPen		Pen
	PRF	4799	1754		6666		4799

Transducer Model: V11-3B

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.44	0.08		0.17		0.17
Index component value			0.08	0.08	0.08	0.17	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.28					
	P (mW)		7.81		7.21		7.71
	$P_{1\times1}$ (mW)		3.47		3.25		
	z_s (cm)			1.00			
	z_b (cm)					1.67	
	z_{MI} (cm)	0.69					
	$z_{pii,\alpha}$ (cm)	0.69					
	f_{awf} (MHz)	5.20	4.98		4.98		4.98
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	15.00					
	n_{pps}	1.57					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	318.99					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	4.89					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.54					
	p_r at z_{pii} (MPa)	3.62					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		3cm		15cm
	B/M Focus position	1.0cm	3.5cm		1.0cm		3.5cm
	B/M Working Frequency	Gen	Gen		Pen		Gen
	B PRF	2000	1500		2000		1500
	M PRF	1000	125		1000		125

Transducer Model: V11-3B

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.27	0.18		0.33		0.45
Index component value			0.18	0.12	0.33	0.11	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.68					
	P (mW)		7.24		7.24		7.24
	$P_{1\times1}$ (mW)		7.24		7.24		
	z_s (cm)			1.00			
	z_b (cm)					1.45	
	z_{MI} (cm)	0.79					
	$z_{pii,\alpha}$ (cm)	0.79					
	f_{awf} (MHz)	4.44	5.09		5.09		5.09
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	332.25					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	181.36					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	231.74					
	p_r at z_{pii} (MPa)	2.88					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		3cm
	SV Position	1.0cm	2.5cm		2.5cm		1.0cm
	Working Frequency	Pen	Gen		Pen		Pen
	PRF	699	16000		699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: V11-3B

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.21	0.22		1.13		0.44
Index component value			0.22	0.16	0.21	1.13	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.78					
	P (mW)		11.49		10.89		11.39
	$P_{1\times1}$ (mW)		9.11		8.88		
	z_s (cm)			1.00			
	z_b (cm)					1.36	
	z_{MI} (cm)	0.82					
	$z_{pii,\alpha}$ (cm)	0.82					
	f_{awf} (MHz)	5.31	5.14		5.14		5.14
Other Information	prr (Hz)	510.00					
	srr (Hz)	8.00					
	n_{pps}	1.17					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	259.49					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.06					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.86					
	p_r at z_{pii} (MPa)	3.33					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	1.0cm	2.5cm		2.5cm		2.0cm
	SV Position	1.0cm	2.5cm		2.5cm		2.0cm
	B Working Frequency	Gen	Gen		HPen		Pen
	PW Working Frequency	Pen	Gen		Pen		Pen
	B PRF	510	3499		511		3499
	PW PRF	5031	699		5031		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-62 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: V11-3B

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.39	0.04		0.54		0.76
Index component value			0.04	0.04	0.54	0.54	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.93					
	P (mW)		4.80		23.90		23.60
	$P_{1\times1}$ (mW)		1.78		21.32		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	4.47	5.35		5.35		5.35
Other Information	prr (Hz)	1,629.00					
	srr (Hz)	12.00					
	n_{pps}	1.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	355.73					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	5.15					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.01					
	p_r at z_{pii} (MPa)	3.16					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	0.5cm	2.5cm		2.5cm		2.5cm
	Color Sampling Gate Position	0.5cm	2.5cm		2.5cm		2.5cm
	B Working Frequency	Pen	Pen		HPen		Pen
	C Working Frequency	Pen	Res		Res		Res
	B PRF	1629	1696		3218		1696
	Color PRF	3949	4111		2599		4111

Transducer Model: V11-3B
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.33	0.19		0.86		0.85
Index component value			0.19	0.14	0.49	0.86	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.08					
	P (mW)		9.28		22.18		21.78
	$P_{1\times1}$ (mW)		7.77		20.42		
	z_s (cm)			1.00			
	z_b (cm)					1.55	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	5.33	5.61		5.61		5.61
Other Information	*prr* (Hz)	528.00					
	srr (Hz)	9.00					
	n_{pps}	1.51					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	325.56					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.78					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.34					
	p_r at z_{pii} (MPa)	3.38					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	0.5cm	2.5cm		2.0cm		1.5cm
	Color SG Position	0.5cm	2.5cm		2.0cm		1.5cm
	PW SV Position	0.5cm	2.5cm		2.0cm		1.5cm
	B Working Frequency	Gen	Res		HGen		Pen
	C Working Frequency	Res	Gen		Res		Res
	PW Working Frequency	Pen	Gen		Pen		Pen
	B PRF	528	528		665		528
	C PRF	746	746		303		746
	PW PRF	4698	4698		4704		4698
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: V11-3B

Imaging Mode: CM/B+CM-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.21	0.86		0.99		1.95
Index component value			0.86	0.59	0.86	0.99	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.77					
	P (mW)		40.37		40.37		40.37
	$P_{1\times1}$ (mW)		40.37		40.37		
	z_s (cm)			1.22			
	z_b (cm)					2.00	
	z_{MI} (cm)	0.72					
	$z_{pii,\alpha}$ (cm)	0.72					
	f_{awf} (MHz)	5.25	4.50		4.50		4.50
Other Information	*prr* (Hz)	83.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	228.48					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	6.36					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	8.62					
	p_r at z_{pii} (MPa)	3.02					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	M Focus Position	1.0cm	5.0cm		3.0cm		2.0cm
	CM Focus Position	1.0cm	5.0cm		3.0cm		2.0cm
	M Working Frequency	Gen	HGen		HRes		HRes
	CM Working Frequency	Pen	Pen		Pen		Pen
	M PRF	83	750		250		250
	CM PRF	1500	4500		1500		1500

2.9 V11-3

Transducer Model: V11-3

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.24	0.19		0.51		0.35
Index component value			0.19	0.13	0.44	0.51	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.86					
	P (mW)		9.50		9.50		9.50
	$P_{1\times1}$ (mW)		9.50		9.50		
	z_s (cm)			1.22			
	z_b (cm)					2.22	
	z_{MI} (cm)	0.54					
	$z_{pii,\alpha}$ (cm)	0.54					
	f_{awf} (MHz)	5.29	4.17		4.17		4.17
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	227.66					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	74.74					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	91.08					
	p_r at z_{pii} (MPa)	3.16					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		15cm
	Focus position	1.0cm	4.0cm		2.5cm		4.0cm
	Working Frequency	Gen	HGen		HRes		HGen
	PRF	1000	1500		1500		1500

Transducer Model: V11-3

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.16	0.06		0.12		0.13
Index component value			0.06	0.06	0.12	0.06	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.66					
	P (mW)		6.60		6.40		6.70
	$P_{1\times1}$ (mW)		2.45		2.38		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	5.26	4.97		4.97		4.97
Other Information	*prr* (Hz)	4,799.00					
	srr (Hz)	36.00					
	n_{pps}	1.50					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	224.63					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	7.61					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	9.13					
	p_r at z_{pii} (MPa)	2.91					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		3cm		3cm
	Focus position	0.5cm	3.5cm		1.0cm		1.0cm
	Working Frequency	Gen	Gen		HPen		Pen
	PRF	4799	1754		6666		4799

Transducer Model: V11-3

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.44	0.08		0.17		0.17
Index component value			0.08	0.08	0.08	0.17	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.28					
	P (mW)		7.81		7.21		7.71
	$P_{1\times1}$ (mW)		3.47		3.25		
	z_s (cm)			1.00			
	z_b (cm)					1.67	
	z_{MI} (cm)	0.69					
	$z_{pii,\alpha}$ (cm)	0.69					
	f_{awf} (MHz)	5.20	4.98		4.98		4.98
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	15.00					
	n_{pps}	1.57					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	318.99					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	4.89					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.54					
	p_r at z_{pii} (MPa)	3.62					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		3cm		15cm
	B/M Focus position	1.0cm	3.5cm		1.0cm		3.5cm
	B/M Working Frequency	Gen	Gen		Pen		Gen
	B PRF	2000	1500		2000		1500
	M PRF	1000	125		1000		125

Transducer Model: V11-3

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.27	0.18		0.33		0.45
Index component value			0.18	0.12	0.33	0.11	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.68					
	P (mW)		7.24		7.24		7.24
	$P_{1\times1}$ (mW)		7.24		7.24		
	z_s (cm)			1.00			
	z_b (cm)					1.45	
	z_{MI} (cm)	0.79					
	$z_{pii,\alpha}$ (cm)	0.79					
	f_{awf} (MHz)	4.44	5.09		5.09		5.09
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	332.25					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	181.36					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	231.74					
	p_r at z_{pii} (MPa)	2.88					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	3cm	15cm		15cm		3cm
	SV Position	1.0cm	2.5cm		2.5cm		1.0cm
	Working Frequency	Pen	Gen		Pen		Pen
	PRF	699	16000		699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: V11-3

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.21	0.22		1.13		0.44
Index component value			0.22	0.16	0.21	1.13	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.78					
	P (mW)		11.49		10.89		11.39
	$P_{1\times1}$ (mW)		9.11		8.88		
	z_s (cm)			1.00			
	z_b (cm)					1.36	
	z_{MI} (cm)	0.82					
	$z_{pii,\alpha}$ (cm)	0.82					
	f_{awf} (MHz)	5.31	5.14		5.14		5.14
Other Information	prr (Hz)	510.00					
	srr (Hz)	8.00					
	n_{pps}	1.17					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	259.49					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.06					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.86					
	p_r at z_{pii} (MPa)	3.33					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	1.0cm	2.5cm		2.5cm		2.0cm
	SV Position	1.0cm	2.5cm		2.5cm		2.0cm
	B Working Frequency	Gen	Gen		HPen		Pen
	PW Working Frequency	Pen	Gen		Pen		Pen
	B PRF	510	3499		511		3499
	PW PRF	5031	699		5031		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-70 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: V11-3

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.39	0.04		0.54		0.76
Index component value			0.04	0.04	0.54	0.54	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.93					
	P (mW)		4.80		23.90		23.60
	$P_{1\times1}$ (mW)		1.78		21.32		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	4.47	5.35		5.35		5.35
Other Information	prr (Hz)	1,629.00					
	srr (Hz)	12.00					
	n_{pps}	1.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	355.73					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	5.15					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.01					
	p_r at z_{pii} (MPa)	3.16					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	0.5cm	2.5cm		2.5cm		2.5cm
	Color Sampling Gate Position	0.5cm	2.5cm		2.5cm		2.5cm
	B Working Frequency	Pen	Pen		HPen		Pen
	C Working Frequency	Pen	Res		Res		Res
	B PRF	1629	1696		3218		1696
	Color PRF	3949	4111		2599		4111

Transducer Model: V11-3
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.33	0.19		0.86		0.85
Index component value			0.19	0.14	0.49	0.86	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.08					
	P (mW)		9.28		22.18		21.78
	$P_{1\times1}$ (mW)		7.77		20.42		
	z_s (cm)			1.00			
	z_b (cm)					1.55	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	5.33	5.61		5.61		5.61
Other Information	*prr* (Hz)	528.00					
	srr (Hz)	9.00					
	n_{pps}	1.51					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	325.56					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.78					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.34					
	p_r at z_{pii} (MPa)	3.38					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	0.5cm	2.5cm		2.0cm		1.5cm
	Color SG Position	0.5cm	2.5cm		2.0cm		1.5cm
	PW SV Position	0.5cm	2.5cm		2.0cm		1.5cm
	B Working Frequency	Gen	Res		HGen		Pen
	C Working Frequency	Res	Gen		Res		Res
	PW Working Frequency	Pen	Gen		Pen		Pen
	B PRF	528	528		665		528
	C PRF	746	746		303		746
	PW PRF	4698	4698		4704		4698
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: V11-3

Imaging Mode: CM/B+CM-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.21	0.86		0.99		1.95
Index component value			0.86	0.59	0.86	0.99	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.77					
	P (mW)		40.37		40.37		40.37
	$P_{1\times1}$ (mW)		40.37		40.37		
	z_s (cm)			1.22			
	z_b (cm)					2.00	
	z_{MI} (cm)	0.72					
	$z_{pii,\alpha}$ (cm)	0.72					
	f_{awf} (MHz)	5.25	4.50		4.50		4.50
Other Information	*prr* (Hz)	83.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	228.48					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	6.36					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	8.62					
	p_r at z_{pii} (MPa)	3.02					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	M Focus Position	1.0cm	5.0cm		3.0cm		2.0cm
	CM Focus Position	1.0cm	5.0cm		3.0cm		2.0cm
	M Working Frequency	Gen	HGen		HRes		HRes
	CM Working Frequency	Pen	Pen		Pen		Pen
	M PRF	83	750		250		250
	CM PRF	1500	4500		1500		1500

2.10 CW5s

Transducer Model: CW5s

Imaging Mode: CW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.05	0.69		1.79		0.75
Index component value			0.69	0.43	0.75	1.79	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	0.12					
	P (mW)		33.45		33.45		33.45
	$P_{1\times1}$ (mW)		28.83		28.83		
	z_s (cm)			1.77			
	z_b (cm)					1.83	
	z_{MI} (cm)	1.66					
	$z_{pii,\alpha}$ (cm)	1.66					
	f_{awf} (MHz)	5.00	5.00		5.00		5.00
Other Information	*prr* (Hz)	/					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	0.47					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	470.89					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	874.88					
	p_r at z_{pii} (MPa)	0.17					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	/	/		/		/
	Focus position	/	/		/		/
	Working Frequency	5	5		5		5

2.11 CW2s

Transducer Model: CW2s

Imaging Mode: CW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.06	0.59		2.47		1.61
Index component value			0.59	0.53	1.61	2.47	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	0.09					
	P (mW)		71.54		71.54		71.54
	$P_{1\times1}$ (mW)		61.67		61.67		
	z_s (cm)			1.82			
	z_b (cm)					2.29	
	z_{MI} (cm)	2.29					
	$z_{pii,\alpha}$ (cm)	2.29					
	f_{awf} (MHz)	2.00	2.00		2.00		2.00
Other Information	*prr* (Hz)	/					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	0.29					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	292.09					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	413.89					
	p_r at z_{pii} (MPa)	0.11					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	/	/		/		/
	Focus position	/	/		/		/
	Working Frequency	2	2		2		2

2.12 DE10-3E

Transducer Model: DE10-3E

Imaging Mode: M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.36	0.05		0.13		0.16
Index component value			0.05	0.03	0.09	0.13	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.92					
	P (mW)		2.28		2.28		2.28
	$P_{1\times1}$ (mW)		2.28		2.28		
	z_s (cm)			1.33			
	z_b (cm)					2.11	
	z_{MI} (cm)	1.78					
	$z_{pii,\alpha}$ (cm)	1.78					
	f_{awf} (MHz)	4.62	4.86		4.86		4.86
Other Information	prr (Hz)	500.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	344.14					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	51.78					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	91.30					
	p_r at z_{pii} (MPa)	3.88					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		3cm
	Focus position	3.0cm	4.5cm		2.5cm		0.5cm
	Working Frequency	Pen	Gen		Pen		HRes
	PRF	500	500		500		3000

Transducer Model: DE10-3E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.37	0.03		0.07		0.08
Index component value			0.03	0.03	0.07	0.03	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.98					
	P (mW)		3.80		3.90		4.30
	$P_{1\times1}$ (mW)		1.42		1.46		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.78					
	$z_{pii,\alpha}$ (cm)	1.78					
	f_{awf} (MHz)	4.71	4.73		4.73		4.73
Other Information	*prr* (Hz)	1,466.00					
	srr (Hz)	11.00					
	n_{pps}	1.50					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	423.57					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	4.20					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	7.54					
	p_r at z_{pii} (MPa)	3.88					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		18cm
	Focus position	3.0cm	2.5cm		2.5cm		2.5cm
	Working Frequency	Pen	Pen		Pen		Pen
	PRF	1466	1466		1466		1466

Transducer Model: DE10-3E

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.39	0.04		0.08		0.09
Index component value			0.04	0.04	0.05	0.08	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.99					
	P (mW)		4.26		4.36		4.16
	$P_{1\times1}$ (mW)		2.01		2.05		
	z_s (cm)			1.00			
	z_b (cm)					1.56	
	z_{MI} (cm)	1.78					
	$z_{pii,\alpha}$ (cm)	1.78					
	f_{awf} (MHz)	4.65	4.64		4.64		4.64
Other Information	prr (Hz)	125.00					
	srr (Hz)	8.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	402.96					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	15.28					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	27.05					
	p_r at z_{pii} (MPa)	3.98					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		18cm
	B/M Focus position	3.0cm	2.5cm		2.5cm		2.5cm
	B/M Working Frequency	Pen	Pen		Pen		Pen
	B PRF	1125	1125		1125		1125
	M PRF	125	125		125		125

Transducer Model: DE10-3E

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.33	0.25		0.83		0.70
Index component value			0.25	0.17	0.43	0.83	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.81					
	P (mW)		11.57		11.57		11.57
	$P_{1\times1}$ (mW)		11.57		11.57		
	z_s (cm)			1.22			
	z_b (cm)					1.89	
	z_{MI} (cm)	1.67					
	$z_{pii,\alpha}$ (cm)	1.67					
	f_{awf} (MHz)	4.48	4.56		4.56		4.56
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	484.76					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	283.50					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	474.99					
	p_r at z_{pii} (MPa)	3.54					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		3cm
	SV Position	3.5cm	4.0cm		3.5cm		1.0cm
	Working Frequency	Pen	Pen		Pen		Pen
	PRF	699	11997		11997		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: DE10-3E

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.41	0.23		0.81		0.63
Index component value			0.23	0.18	0.23	0.81	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.98					
	P (mW)		12.39		12.19		12.29
	$P_{1\times1}$ (mW)		10.57		10.50		
	z_s (cm)			1.00			
	z_b (cm)					1.67	
	z_{MI} (cm)	1.44					
	$z_{pii,\alpha}$ (cm)	1.44					
	f_{awf} (MHz)	4.46	4.96		4.96		4.96
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	34.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	445.56					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	256.60					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	408.94					
	p_r at z_{pii} (MPa)	3.45					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		3cm
	B Focus Position	3.0cm	3.0cm		3.0cm		1.0cm
	SV Position	3.0cm	3.0cm		3.0cm		1.0cm
	B Working Frequency	Pen	Gen		Pen		Pen
	PW Working Frequency	Pen	Pen		Pen		Pen
	B PRF	2799	431		431		869
	PW PRF	699	5029		5029		5279
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-80 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: DE10-3E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.38	0.03		0.19		0.28
Index component value			0.03	0.03	0.19	0.19	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.98					
	P (mW)		3.50		10.30		10.50
	$P_{1\times1}$ (mW)		1.31		7.92		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.78					
	$z_{pii,\alpha}$ (cm)	1.78					
	f_{awf} (MHz)	4.67	5.09		5.09		5.09
Other Information	prr (Hz)	1,447.00					
	srr (Hz)	11.00					
	n_{pps}	1.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	375.00					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	3.78					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	6.89					
	p_r at z_{pii} (MPa)	3.88					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		18cm
	B Focus Position	3.0cm	2.5cm		2.5cm		2.5cm
	Color Sampling Gate Position	3.0cm	2.5cm		2.5cm		2.5cm
	B Working Frequency	Pen	Pen		Pen		Pen
	C Working Frequency	Pen	Gen		Gen		Pen
	B PRF	1447	1451		1451		1447
	Color PRF	3508	3774		3774		3508

Transducer Model: DE10-3E
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.72	0.28		0.95		0.85
Index component value			0.28	0.21	0.38	0.95	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.50					
	P (mW)		15.38		19.38		18.98
	$P_{1\times1}$ (mW)		12.63		16.31		
	z_s (cm)			1.22			
	z_b (cm)					1.89	
	z_{MI} (cm)	1.78					
	$z_{pii,\alpha}$ (cm)	1.78					
	f_{awf} (MHz)	4.30	5.77		5.77		5.77
Other Information	*prr* (Hz)	492.00					
	srr (Hz)	4.00					
	n_{pps}	1.51					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	159.35					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	0.64					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	1.13					
	p_r at z_{pii} (MPa)	2.42					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		18cm
	B Focus Position	3.0cm	4.0cm		2.5cm		1.0cm
	Color SG Position	3.0cm	4.0cm		2.5cm		1.0cm
	PW SV Position	3.0cm	4.0cm		2.5cm		1.0cm
	B Working Frequency	HPen	Res		Res		Res
	C Working Frequency	Res	Res		Res		Res
	PW Working Frequency	Pen	Pen		Pen		Pen
	B PRF	492	183		270		270
	C PRF	402	535		697		697
	PW PRF	4718	5038		4909		4909
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: DE10-3E

Imaging Mode: CM/B+CM

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.24	0.19		0.26		0.35
Index component value			0.19	0.13	0.19	0.26	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.78					
	P (mW)		8.74		8.74		8.74
	$P_{1\times1}$ (mW)		8.74		8.74		
	z_s (cm)			1.44			
	z_b (cm)					2.11	
	z_{MI} (cm)	1.67					
	$z_{pii,\alpha}$ (cm)	1.67					
	f_{awf} (MHz)	5.05	5.75		5.75		5.75
Other Information	*prr* (Hz)	250.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	280.15					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	18.65					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	33.37					
	p_r at z_{pii} (MPa)	3.72					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	18cm	18cm		18cm		18cm
	M Focus Position	2.5cm	5.0cm		3.0cm		3.0cm
	CM Focus Position	2.5cm	5.0cm		3.0cm		3.0cm
	M Working Frequency	HRes	Res		Res		Res
	CM Working Frequency	Pen	Pen		Pen		Pen
	M PRF	250	250		83		83
	CM PRF	1500	4500		1500		1500

2.13 P10-4E

Transducer Model: P10-4E

Imaging Mode: M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.24	0.10		0.53		0.43
Index component value			0.10	0.07	0.53	0.19	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.91					
	P (mW)		3.50		3.50		3.50
	$P_{1\times1}$ (mW)		3.50		3.50		
	z_s (cm)			0.80			
	z_b (cm)					1.14	
	z_{MI} (cm)	0.79					
	$z_{pii,\alpha}$ (cm)	0.79					
	f_{awf} (MHz)	5.49	6.05		6.05		6.05
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	381.86					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	126.04					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	169.89					
	p_r at z_{pii} (MPa)	3.37					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	13cm	13cm		13cm		13cm
	Focus position	1.0cm	3.0cm		1.5cm		3.0cm
	Working Frequency	Pen	Gen		Gen		Gen
	PRF	1000	1000		1000		1000

Transducer Model: P10-4E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.32	0.14		0.63		0.52
Index component value			0.14	0.14	0.63	0.17	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.10					
	P (mW)		6.00		7.20		5.90
	$P_{1\times1}$ (mW)		4.69		5.63		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.98					
	$z_{pii,\alpha}$ (cm)	0.98					
	f_{awf} (MHz)	5.48	6.25		6.25		6.25
Other Information	*prr* (Hz)	4,461.00					
	srr (Hz)	43.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	472.44					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	20.13					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	29.17					
	p_r at z_{pii} (MPa)	3.73					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	13cm	13cm		13cm		13cm
	Focus position	1.0cm	4.0cm		4.0cm		3.5cm
	Working Frequency	Pen	Res		Res		Gen
	PRF	4461	4461		4461		4461

Transducer Model: P10-4E

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.26	0.25		0.31		0.95
Index component value			0.25	0.23	0.26	0.31	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.93					
	P (mW)		10.47		11.27		9.97
	$P_{1\times1}$ (mW)		8.54		9.17		
	z_s (cm)			0.80			
	z_b (cm)					0.91	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	5.44	6.05		6.05		6.05
Other Information	prr (Hz)	500.00					
	srr (Hz)	29.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	391.28					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	65.57					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	91.43					
	p_r at z_{pii} (MPa)	3.46					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	13cm	13cm		13cm		13cm
	B/M Focus position	1.0cm	3.0cm		3.0cm		2.0cm
	B/M Working Frequency	Pen	Gen		Gen		Gen
	B PRF	3000	3000		3000		3000
	M PRF	500	500		500		500

Transducer Model: P10-4E

Imaging Mode: PW-mode/TVD-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.46	1.02		5.91		1.28
Index component value			1.02	0.75	5.91	1.93	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	3.46					
	P (mW)		37.72		37.72		10.33
	$P_{1\times1}$ (mW)		37.72		37.72		
	z_s (cm)			0.80			
	z_b (cm)					1.14	
	z_{MI} (cm)	0.50					
	$z_{pii,\alpha}$ (cm)	0.50					
	f_{awf} (MHz)	5.59	5.68		5.68		5.68
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	469.83					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	211.17					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	256.10					
	p_r at z_{pii} (MPa)	3.81					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	13cm		13cm		13cm
	SV Position	1.0cm	4.5cm		3.5cm		4.5cm
	Working Frequency	Res	Res		Res		Res
	PRF	699	10998		11997		10998
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P10-4E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.33	0.40		1.85		1.80
Index component value			0.40	0.33	0.43	1.85	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.99					
	P (mW)		15.93		17.23		16.23
	$P_{1\times1}$ (mW)		14.71		15.72		
	z_s (cm)			0.80			
	z_b (cm)					0.80	
	z_{MI} (cm)	0.98					
	$z_{pii,\alpha}$ (cm)	0.98					
	f_{awf} (MHz)	5.04	6.30		6.30		6.30
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	116.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	453.69					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	237.41					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	333.82					
	p_r at z_{pii} (MPa)	3.55					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	13cm		13cm		13cm
	B Focus Position	1.5cm	4.5cm		3.0cm		4.5cm
	SV Position	1.5cm	4.5cm		3.0cm		4.5cm
	B Working Frequency	Pen	Res		Gen		Res
	PW Working Frequency	Gen	Res		Res		Res
	B PRF	8399	3499		622		622
	PW PRF	699	699		4885		4885
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-88 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: P10-4E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.23	0.20		0.40		1.59
Index component value			0.20	0.20	0.40	0.40	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.90					
	P (mW)		9.00		18.40		18.20
	$P_{1\times1}$ (mW)		7.03		14.38		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.79					
	$z_{pii,\alpha}$ (cm)	0.79					
	f_{awf} (MHz)	5.52	6.05		6.05		6.05
Other Information	prr (Hz)	3,603.00					
	srr (Hz)	35.00					
	n_{pps}	1.19					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	362.80					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	12.60					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	17.77					
	p_r at z_{pii} (MPa)	3.19					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	13cm		13cm		13cm
	B Focus Position	1.0cm	3.0cm		3.0cm		5.5cm
	Color Sampling Gate Position	1.0cm	3.0cm		3.0cm		5.5cm
	B Working Frequency	Pen	Gen		Gen		Gen
	C Working Frequency	Pen	Res		Res		Res
	B PRF	3603	2912		2912		2912
	Color PRF	1271	1027		1027		1027

Transducer Model: P10-4E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.08	0.88		1.67		2.62
Index component value			0.88	0.69	1.06	1.67	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.75					
	P (mW)		33.69		41.99		25.63
	$P_{1\times1}$ (mW)		32.24		38.73		
	z_s (cm)			0.80			
	z_b (cm)					0.80	
	z_{MI} (cm)	0.88					
	$z_{pii,\alpha}$ (cm)	0.88					
	f_{awf} (MHz)	6.45	6.24		6.24		6.24
Other Information	prr (Hz)	519.00					
	srr (Hz)	9.00					
	n_{pps}	1.07					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	266.98					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.53					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.36					
	p_r at z_{pii} (MPa)	3.34					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	13cm		13cm		13cm
	B Focus Position	1.0cm	4.5cm		3.0cm		4.5cm
	Color SG Position	1.0cm	4.5cm		3.0cm		4.5cm
	PW SV Position	1.0cm	4.5cm		3.0cm		4.5cm
	B Working Frequency	Res	Res		Pen		Res
	C Working Frequency	Gen	Res		Pen		Res
	PW Working Frequency	Pen	Res		Res		Res
	B PRF	519	517		519		517
	C PRF	329	338		329		338
	PW PRF	5199	4714		4714		4714
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: P10-4E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.24	0.18		0.30		0.82
Index component value			0.18	0.12	0.18	0.30	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.90					
	P (mW)		6.63		6.63		6.63
	$P_{1\times1}$ (mW)		6.63		6.63		
	z_s (cm)			1.00			
	z_b (cm)					1.22	
	z_{MI} (cm)	0.79					
	$z_{pii,\alpha}$ (cm)	0.79					
	f_{awf} (MHz)	5.51	6.17		6.17		6.17
Other Information	*prr* (Hz)	166.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	363.62					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	19.94					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	28.41					
	p_r at z_{pii} (MPa)	3.20					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	13cm		6cm		13cm
	M Focus Position	1.0cm	5.5cm		1.5cm		5.5cm
	CM Focus Position	1.0cm	5.5cm		1.5cm		5.5cm
	M Working Frequency	Pen	Gen		Gen		Gen
	CM Working Frequency	Res	Res		Res		Res
	M PRF	166	166		166		166
	CM PRF	1500	1500		1500		1500

Transducer Model: P10-4E

Imaging Mode: CW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.05	0.85		1.57		1.42
Index component value			0.85	0.60	1.42	1.57	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	0.11					
	P (mW)		35.80		35.80		35.80
	$P_{1\times1}$ (mW)		35.80		35.80		
	z_s (cm)			1.03			
	z_b (cm)					1.84	
	z_{MI} (cm)	2.30					
	$z_{pii,\alpha}$ (cm)	2.30					
	f_{awf} (MHz)	5.00	5.00		5.00		5.00
Other Information	*prr* (Hz)	/					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	0.38					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	381.62					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	883.22					
	p_r at z_{pii} (MPa)	0.15					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	13cm	13cm		13cm		13cm
	Focus position	3.0cm	3.0cm		3.0cm		3.0cm
	Working Frequency	5	5		5		5

2.14 L9-3E

Transducer Model: L9-3E

Imaging Mode: M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.25	0.16		0.53		0.39
Index component value			0.16	0.11	0.20	0.53	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.60					
	P (mW)		7.80		7.80		7.80
	$P_{1\times1}$ (mW)		6.06		6.06		
	z_s (cm)			1.71			
	z_b (cm)					2.04	
	z_{MI} (cm)	1.56					
	$z_{pii,\alpha}$ (cm)	1.56					
	f_{awf} (MHz)	4.34	5.41		5.41		5.41
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	341.61					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	285.50					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	467.14					
	p_r at z_{pii} (MPa)	3.19					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		5cm
	Focus position	1.5cm	4.0cm		4.0cm		1.0cm
	Working Frequency	Pen	Res		HGen		HPen
	PRF	2000	2000		4000		4000

Transducer Model: L9-3E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.16	0.13		0.41		0.42
Index component value			0.13	0.13	0.41	0.14	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.42					
	P (mW)		29.40		30.60		31.30
	$P_{1\times1}$ (mW)		6.59		6.86		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.65					
	$z_{pii,\alpha}$ (cm)	1.65					
	f_{awf} (MHz)	4.34	4.14		4.14		4.14
Other Information	*prr* (Hz)	4,264.00					
	srr (Hz)	18.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	339.92					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	7.65					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	12.55					
	p_r at z_{pii} (MPa)	3.10					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	Focus position	1.5cm	4.0cm		4.0cm		4.0cm
	Working Frequency	Pen	Pen		Pen		Pen
	PRF	4264	4264		4264		4264

2-94 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: L9-3E

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.25	0.20		0.51		0.48
Index component value			0.20	0.18	0.23	0.51	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.60					
	P (mW)		25.86		26.26		24.76
	$P_{1\times1}$ (mW)		7.98		8.96		
	z_s (cm)			1.71			
	z_b (cm)					1.93	
	z_{MI} (cm)	1.56					
	$z_{pii,\alpha}$ (cm)	1.56					
	f_{awf} (MHz)	4.35	5.40		5.40		5.40
Other Information	*prr* (Hz)	3,000.00					
	srr (Hz)	13.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	343.92					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	5.62					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	9.08					
	p_r at z_{pii} (MPa)	3.10					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		5cm		5cm
	B/M Focus position	1.5cm	4.0cm		1.0cm		1.0cm
	B/M Working Frequency	Pen	Res		HRes		HPen
	B PRF	3000	3000		4000		4000
	M PRF	1000	1000		4000		4000

Transducer Model: L9-3E

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.35	1.06		1.98		1.46
Index component value			1.06	0.68	1.46	1.98	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.39					
	P (mW)		50.10		50.10		50.10
	$P_{1\times1}$ (mW)		50.10		50.10		
	z_s (cm)			1.44			
	z_b (cm)					1.56	
	z_{MI} (cm)	1.17					
	$z_{pii,\alpha}$ (cm)	1.17					
	f_{awf} (MHz)	3.14	4.45		4.45		4.45
Other Information	*prr* (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	251.05					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	210.32					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	274.13					
	p_r at z_{pii} (MPa)	2.57					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	5cm	15cm		15cm		15cm
	SV Position	1.0cm	5.0cm		5.0cm		5.0cm
	Working Frequency	Pen	Res		Gen		Res
	PRF	699	10397		10397		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: L9-3E

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.37	1.25		2.45		1.97
Index component value			1.25	0.86	1.25	2.45	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.81					
	P (mW)		89.47		90.47		87.47
	$P_{1\times1}$ (mW)		59.21		59.44		
	z_s (cm)			1.44			
	z_b (cm)					1.89	
	z_{MI} (cm)	1.46					
	$z_{pii,\alpha}$ (cm)	1.46					
	f_{awf} (MHz)	4.23	4.45		4.45		4.45
Other Information	*prr* (Hz)	534.00					
	srr (Hz)	4.00					
	n_{pps}	1.09					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	368.05					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.91					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	2.95					
	p_r at z_{pii} (MPa)	3.39					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	1.5cm	5.0cm		5.0cm		5.0cm
	SV Position	1.5cm	5.0cm		5.0cm		5.0cm
	B Working Frequency	Pen	Pen		HPen		Pen
	PW Working Frequency	Pen	Res		Gen		Gen
	B PRF	534	534		534		534
	PW PRF	4987	4987		4987		4987
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: L9-3E

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.37	0.52		0.51		1.05
Index component value			0.52	0.52	0.51	0.51	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.81					
	P (mW)		61.40		60.20		61.30
	$P_{1\times1}$ (mW)		22.38		21.75		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.46					
	$z_{pii,\alpha}$ (cm)	1.46					
	f_{awf} (MHz)	4.23	5.81		5.81		5.81
Other Information	prr (Hz)	526.00					
	srr (Hz)	5.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	372.92					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.42					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.74					
	p_r at z_{pii} (MPa)	3.39					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	1.5cm	2.0cm		2.0cm		2.0cm
	Color Sampling Gate Position	1.5cm	2.0cm		2.0cm		2.0cm
	B Working Frequency	Pen	Res		Res		HRes
	C Working Frequency	Pen	Res		Res		Res
	B PRF	526	1432		1432		2328
	Color PRF	2585	7410		7410		5893

2-98 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: L9-3E
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.30	1.49		2.68		2.52
Index component value			1.49	1.12	1.48	2.68	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.68					
	P (mW)		119.87		119.17		120.67
	$P_{1\times1}$ (mW)		69.91		69.48		
	z_s (cm)			1.44			
	z_b (cm)					1.89	
	z_{MI} (cm)	0.69					
	$z_{pii,\alpha}$ (cm)	0.69					
	f_{awf} (MHz)	4.26	4.83		4.83		4.83
Other Information	*prr* (Hz)	322.00					
	srr (Hz)	2.00					
	n_{pps}	2.24					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	327.19					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	0.83					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	1.22					
	p_r at z_{pii} (MPa)	3.02					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	15cm	15cm		15cm		15cm
	B Focus Position	1.0cm	5.0cm		4.5cm		5.0cm
	Color SG Position	1.0cm	5.0cm		4.5cm		5.0cm
	PW SV Position	1.0cm	5.0cm		4.5cm		5.0cm
	B Working Frequency	Pen	Pen		HPen		Pen
	C Working Frequency	Pen	Res		Res		Gen
	PW Working Frequency	Pen	Res		Gen		Gen
	B PRF	322	310		391		263
	C PRF	570	581		366		492
	PW PRF	5018	4893		4930		4953
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2.15 C6-2

Transducer Model: C6-2

Imaging Mode: M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.47	0.25		1.32		0.58
Index component value			0.21	0.25	0.51	1.32	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.55					
	P (mW)		33.35		31.48		33.35
	$P_{1\times1}$ (mW)		20.60		16.86		
	z_s (cm)			2.21			
	z_b (cm)					3.91	
	z_{MI} (cm)	3.81					
	$z_{pii,\alpha}$ (cm)	3.81					
	f_{awf} (MHz)	3.02	2.16		2.53		2.16
Other Information	*prr* (Hz)	1,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	324.42					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	223.18					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	494.86					
	p_r at z_{pii} (MPa)	3.50					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	19cm	19cm		19cm		19cm
	Focus position	4.0cm	3.0cm		5.0cm		3.0cm
	Working Frequency	Gen	HPen		Pen		Gen
	PRF	1000	2000		1000		1000

Transducer Model: C6-2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.48	0.14		0.67		0.69
Index component value			0.14	0.14	0.67	0.14	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.58					
	P (mW)		79.00		79.00		81.10
	$P_{1\times1}$ (mW)		11.69		11.69		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	3.74					
	$z_{pii,\alpha}$ (cm)	3.74					
	f_{awf} (MHz)	3.02	2.54		2.54		2.54
Other Information	*prr* (Hz)	3,441.00					
	srr (Hz)	29.00					
	n_{pps}	2.33					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	312.96					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	18.60					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	41.34					
	p_r at z_{pii} (MPa)	3.50					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	19cm	10cm		10cm		10cm
	Focus position	4.0cm	3.0cm		3.0cm		3.0cm
	Working Frequency	Gen	Pen		Pen		Pen
	PRF	3441	5876		5876		5876

Transducer Model: C6-2

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.48	0.31		0.71		0.99
Index component value			0.31	0.31	0.25	0.71	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.57					
	P (mW)		91.10		81.50		98.10
	$P_{1\times1}$ (mW)		21.62		17.27		
	z_s (cm)			2.21			
	z_b (cm)					2.54	
	z_{MI} (cm)	3.74					
	$z_{pii,\alpha}$ (cm)	3.74					
	f_{awf} (MHz)	3.02	3.03		3.03		3.03
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	16.00					
	n_{pps}	2.33					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	328.97					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	10.76					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	23.71					
	p_r at z_{pii} (MPa)	3.50					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	19cm	10cm		19cm		10cm
	B/M Focus position	4.0cm	3.0cm		7.0cm		3.0cm
	B/M Working Frequency	Gen	Gen		Pen		Gen
	B PRF	2000	3000		2000		3000
	M PRF	500	1000		500		1000

Transducer Model: C6-2

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.10	0.22		2.32		0.85
Index component value			0.21	0.22	0.94	2.32	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.74					
	P (mW)		27.15		53.80		27.15
	$P_{1\times1}$ (mW)		21.72		33.24		
	z_s (cm)			1.27			
	z_b (cm)					3.44	
	z_{MI} (cm)	0.60					
	$z_{pii,\alpha}$ (cm)	0.60					
	f_{awf} (MHz)	2.50	2.07		2.09		2.07
Other Information	prr (Hz)	699.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	134.92					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	132.03					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	152.38					
	p_r at z_{pii} (MPa)	1.40					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	10cm	10cm		19cm		10cm
	SV Position	2.0cm	2.0cm		5.0cm		2.0cm
	Working Frequency	Gen	Pen		Pen		Pen
	PRF	699	5699		5699		5699
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: C6-2

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.42	0.36		1.70		1.46
Index component value			0.36	0.36	0.40	1.70	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.47					
	P (mW)		78.56		108.16		98.46
	$P_{1\times1}$ (mW)		35.13		38.82		
	z_s (cm)			1.49			
	z_b (cm)					3.50	
	z_{MI} (cm)	3.74					
	$z_{pii,\alpha}$ (cm)	3.74					
	f_{awf} (MHz)	3.02	2.55		2.43		2.55
Other Information	*prr* (Hz)	2,099.00					
	srr (Hz)	17.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	326.34					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	11.43					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	25.24					
	p_r at z_{pii} (MPa)	3.65					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	19cm	10cm		19cm		10cm
	B Focus Position	4.0cm	3.0cm		5.0cm		3.0cm
	SV Position	4.0cm	3.0cm		5.0cm		3.0cm
	B Working Frequency	Gen	Pen		HGen		Pen
	PW Working Frequency	Pen	Pen		Pen		Pen
	B PRF	2099	4899		239		4899
	PW PRF	699	699		5295		699
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-104 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: C6-2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.39	0.12		0.11		0.58
Index component value			0.12	0.12	0.11	0.11	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.19					
	P (mW)		67.90		67.90		67.80
	$P_{1\times1}$ (mW)		9.84		9.44		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.50					
	$z_{pii,\alpha}$ (cm)	1.50					
	f_{awf} (MHz)	2.47	2.57		2.57		2.57
Other Information	prr (Hz)	1,572.00					
	srr (Hz)	11.00					
	n_{pps}	2.67					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	206.17					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	4.14					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	5.49					
	p_r at z_{pii} (MPa)	2.56					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	10cm	10cm		10cm		10cm
	B Focus Position	2.0cm	3.0cm		3.0cm		2.0cm
	Color Sampling Gate Position	2.0cm	3.0cm		3.0cm		2.0cm
	B Working Frequency	HGen	HPen		HPen		Gen
	C Working Frequency	Pen	Res		Res		Pen
	B PRF	1572	1785		1785		1020
	Color PRF	6194	7032		7032		8590

Transducer Model: C6-2

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.08	0.25		1.60		0.98
Index component value			0.24	0.25	0.38	1.60	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.77					
	P (mW)		60.90		98.95		59.70
	$P_{1\times1}$ (mW)		22.39		36.43		
	z_s (cm)			1.27			
	z_b (cm)					3.55	
	z_{MI} (cm)	1.65					
	$z_{pii,\alpha}$ (cm)	1.65					
	f_{awf} (MHz)	2.69	3.43		2.60		3.42
Other Information	prr (Hz)	798.00					
	srr (Hz)	9.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	140.02					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.58					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.50					
	p_r at z_{pii} (MPa)	2.07					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	10cm	10cm		19cm		19cm
	B Focus Position	2.0cm	2.0cm		5.0cm		2.0cm
	Color SG Position	2.0cm	2.0cm		5.0cm		2.0cm
	PW SV Position	2.0cm	2.0cm		5.0cm		2.0cm
	B Working Frequency	Pen	Res		Pen		HPen
	C Working Frequency	Pen	Res		Res		Pen
	PW Working Frequency	Pen	Pen		Pen		Pen
	B PRF	798	737		159		389
	C PRF	329	1346		329		710
	PW PRF	4491	4353		5079		4292
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-106 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: C6-2

Imaging Mode: CM/ B+CM

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.33	0.58		2.31		1.40
Index component value			0.58	0.52	0.58	2.31	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.11					
	P (mW)		59.49		59.49		59.49
	$P_{1\times1}$ (mW)		46.81		46.81		
	z_s (cm)			2.21			
	z_b (cm)					3.39	
	z_{MI} (cm)	3.74					
	$z_{pii,\alpha}$ (cm)	3.74					
	f_{awf} (MHz)	2.54	3.02		3.02		3.02
Other Information	*prr* (Hz)	125.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	373.07					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	35.29					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	67.96					
	p_r at z_{pii} (MPa)	2.93					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	19cm	10cm		10cm		10cm
	M Focus Position	4.0cm	3.0cm		3.0cm		2.0cm
	CM Focus Position	4.0cm	3.0cm		3.0cm		2.0cm
	M Working Frequency	Pen	Gen		Gen		Pen
	CM Working Frequency	Res	Res		Res		Res
	M PRF	125	250		250		250
	CM PRF	2000	4000		4000		4000

2.16 7L4B

Transducer Model: 7L4B

Imaging Mode: M-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.07	0.27		0.58		0.40
Index component value			0.27	0.22	0.28	0.58	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.40					
	P (mW)		14.54		7.56		13.80
	$P_{1\times1}$ (mW)		11.36		7.56		
	z_s (cm)			1.32			
	z_b (cm)					1.95	
	z_{MI} (cm)	1.12					
	$z_{pii,\alpha}$ (cm)	1.12					
	f_{awf} (MHz)	5.07	5.04		5.30		5.07
Other Information	*prr* (Hz)	2,000.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	189.59					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	134.48					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	199.25					
	p_r at z_{pii} (MPa)	2.92					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	Focus position	1.0cm	5.0cm		2.5cm		4.5cm
	Working Frequency	Pen	HGen		HGen		HGen
	PRF	2000	2000		2000		2000

Transducer Model: 7L4B

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.00	0.80		2.30		2.34
Index component value			0.80	0.80	2.30	0.82	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.75					
	P (mW)		132.75		136.66		138.83
	$P_{1\times1}$ (mW)		34.57		35.59		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	1.36					
	$z_{pii,\alpha}$ (cm)	1.36					
	f_{awf} (MHz)	7.54	4.84		4.84		4.84
Other Information	*prr* (Hz)	9,023.00					
	srr (Hz)	27.00					
	n_{pps}	2.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	373.68					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	7.40					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	15.16					
	p_r at z_{pii} (MPa)	4.02					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	Focus position	1.5cm	4.0cm		4.0cm		4.0cm
	Working Frequency	Gen	Pen		Pen		Pen
	PRF	9023	9023		9023		9023

Transducer Model: 7L4B

Imaging Mode: B+M-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.01	1.17		2.66		2.23
Index component value			1.17	0.93	1.17	2.66	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.76					
	P (mW)		96.93		97.59		97.19
	$P_{1\times1}$ (mW)		47.06		47.24		
	z_s (cm)			1.07			
	z_b (cm)					1.94	
	z_{MI} (cm)	1.26					
	$z_{pii,\alpha}$ (cm)	1.26					
	f_{awf} (MHz)	7.47	5.20		5.20		5.20
Other Information	*prr* (Hz)	6,000.00					
	srr (Hz)	18.00					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	248.75					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	382.43					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	781.95					
	p_r at z_{pii} (MPa)	3.64					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	B/M Focus position	1.5cm	2.5cm		2.5cm		2.5cm
	B/M Working Frequency	Gen	HGen		HGen		HGen
	B PRF	6000	6000		6000		6000
	M PRF	6000	6000		6000		6000

Transducer Model: 7L4B

Imaging Mode: PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		0.75	0.89		1.72		1.09
Index component value			0.89	0.58	1.13	1.72	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	1.61					
	P (mW)		32.91		30.55		28.76
	$P_{1\times1}$ (mW)		32.91		30.55		
	z_s (cm)			1.07			
	z_b (cm)					1.26	
	z_{MI} (cm)	0.90					
	$z_{pii,\alpha}$ (cm)	0.90					
	f_{awf} (MHz)	4.60	5.65		4.60		4.59
Other Information	*prr* (Hz)	5,299.00					
	srr (Hz)	/					
	n_{pps}	/					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	94.41					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	419.38					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	560.31					
	p_r at z_{pii} (MPa)	1.79					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	SV Position	1.0cm	5.0cm		4.5cm		4.0cm
	Working Frequency	Pen	Res		Pen		Pen
	PRF	5299	5299		5299		5299
	SV	0.5mm	0.5mm		0.5mm		0.5mm

Transducer Model: 7L4B

Imaging Mode: B+PW-mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.00	0.89		1.77		1.15
Index component value			0.89	0.61	0.71	1.77	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.74					
	P (mW)		42.34		35.68		33.37
	$P_{1\times1}$ (mW)		33.55		31.62		
	z_s (cm)			1.07			
	z_b (cm)					1.13	
	z_{MI} (cm)	1.31					
	$z_{pii,\alpha}$ (cm)	1.31					
	f_{awf} (MHz)	7.46	5.64		7.98		7.98
Other Information	*prr* (Hz)	1,132.00					
	srr (Hz)	9.00					
	n_{pps}	1.09					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	258.00					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	1.82					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.57					
	p_r at z_{pii} (MPa)	3.83					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	B Focus Position	1.5cm	4.0cm		1.0cm		1.0cm
	SV Position	1.0cm	5.0cm		4.5cm		4.0cm
	B Working Frequency	Gen	Pen		Res		Res
	PW Working Frequency	Pen	Res		Pen		Pen
	B PRF	1132	1132		1132		1132
	PW PRF	4639	4639		4639		4639
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

2-112 Acoustic Output Reporting Tables (IEC 60601-2-37: 2015)

Transducer Model: 7L4B

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

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.32	0.56		0.56		1.18
Index component value			0.56	0.56	0.56	0.56	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.85					
	P (mW)		54.30		54.21		55.47
	$P_{1\times1}$ (mW)		22.72		22.65		
	z_s (cm)			/			
	z_b (cm)					/	
	z_{MI} (cm)	0.96					
	$z_{pii,\alpha}$ (cm)	0.96					
	f_{awf} (MHz)	4.65	7.90		7.90		7.90
Other Information	prr (Hz)	8,038.00					
	srr (Hz)	16.00					
	n_{pps}	39.00					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	337.23					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	10.24					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	14.20					
	p_r at z_{pii} (MPa)	3.23					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	B Focus Position	1.0cm	1.0cm		1.0cm		1.0cm
	Color Sampling Gate Position	1.0cm	2.5cm		2.5cm		2.5cm
	B Working Frequency	Pen	Res		Res		Res
	C Working Frequency	Pen	Gen		Gen		Gen
	B PRF	3970	3366		3366		3366
	Color PRF	8038	6995		6995		6995

Transducer Model: 7L4B
Imaging Mode: Color+B+PW-Mode/Power+B+PW-Mode

Index label		MI	TIS		TIB		TIC
			At surface	Below surface	At surface	Below surface	
Maximum index value		1.16	0.55		1.22		0.99
Index component value			0.55	0.43	0.44	1.22	
Acoustic Parameters	$p_{r,\alpha}$ at z_{MI} (MPa)	2.51					
	P (mW)		30.00		24.60		32.37
	$P_{1\times1}$ (mW)		21.33		19.01		
	z_s (cm)			1.06			
	z_b (cm)					1.72	
	z_{MI} (cm)	1.00					
	$z_{pii,\alpha}$ (cm)	1.00					
	f_{awf} (MHz)	4.66	8.38		8.33		7.99
Other Information	*prr* (Hz)	988.00					
	srr (Hz)	6.00					
	n_{pps}	10.14					
	$I_{pa,\alpha}$ at $z_{pii,\alpha}$ (W/cm^2)	222.78					
	$I_{spta,\alpha}$ at $z_{pii,\alpha}$ or $z_{sii,\alpha}$ (mW/cm^2)	2.56					
	I_{spta} at z_{pii} or z_{sii} (mW/cm^2)	3.52					
	p_r at z_{pii} (MPa)	2.94					
Operating control conditions	Acoustic power	100%	100%		100%		100%
	Display depth	6cm	6cm		6cm		6cm
	B Focus Position	1.0cm	4.5cm		3.0cm		4.0cm
	Color SG Position	1.0cm	4.5cm		3.0cm		4.0cm
	PW SV Position	1.0cm	4.5cm		3.0cm		4.0cm
	B Working Frequency	Pen	Res		Res		Res
	C Working Frequency	Pen	Gen		Pen		Gen
	PW Working Frequency	Pen	Res		Pen		Pen
	B PRF	584	584		584		584
	C PRF	988	988		988		988
	PW PRF	4284	4284		4284		4284
	PW SV	0.5mm	0.5mm		0.5mm		0.5mm

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