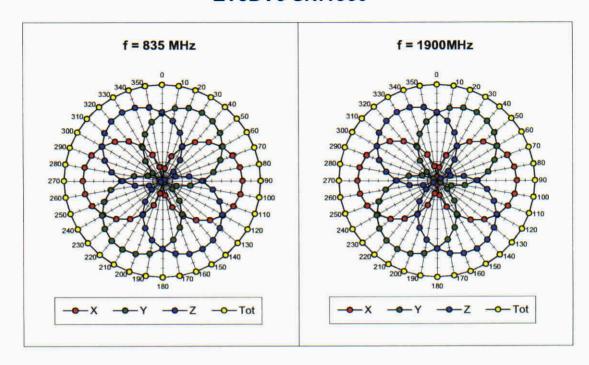


ET3DV6 SN: 1560

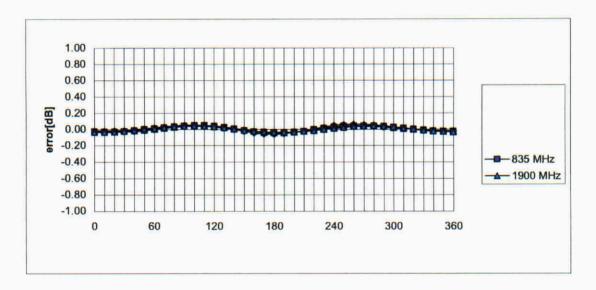
DASY3 – Parameters of Probe: ET3DV6 SN:1560

Sensi	ensitivity in Free Space Diode Compression			ression			
	NormX NormY NormZ	1.48 μV/(V/m 1.51 μV/(V/m 1.43 μV/(V/m	n) ²		DCP DCP DCP	Χ	98 mV 98 mV 98 mV
Sensi	tivity in Tissue	e Simulating I	Liquid				
Head	835 M	Hz Brain	e_r = 41.5 \pm 5%	6	s =	0.90 ± 5	5% mho/m
	ConvF $X = 6.7$ ConvF $Y = 6.7$ ConvF $Z = 6.7$	78			Bou Alph Dep		ffect: 0.30 2.90
Body	835 M	Hz Brain	e_r = 56.2 \pm 5%	6	s = 0.	95 ± 5%	mho/m
	ConvF $X = 6.5$ ConvF $Y = 6.5$ ConvF $Z = 6.5$	52 ± 7% (k=2)			Bou Alph Dep		ffect: 0.30 2.90
Head	1900 N	/IHz Brain	$e_{\text{r}} = 40.0 \pm 5\%$	6	s = 1.	40 ± 5%	mho/m
	ConvF $X = 5.1$ ConvF $Y = 5.1$ ConvF $Z = 5.1$	16			Bou Alph Dep		ffect: 0.48 2.40
Body	1900 l	MHz Muscle	e_r = 54.2 \pm 5%	6	s = 1.	50 ± 5%	mho/m
	ConvF $X = 4.7$ ConvF $Y = 4.7$ ConvF $Z = 4.7$	70 ± 7% (k=2)			Bou Alph Dep		ffect: 0.48 2.40
Senso	or Offset						
	Probe Tip to Optical Surfa	Sensor Cente ce Detection	r	2.7 2.0 ± 0).2	mm mm	

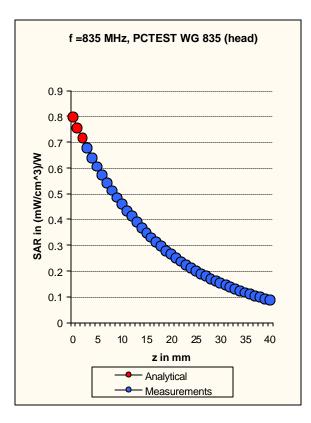
ET3DV6 SN:1560

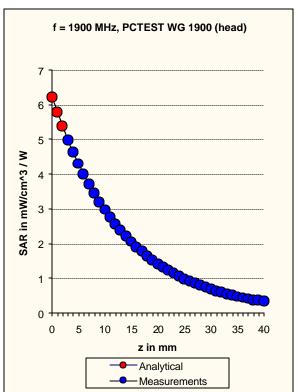


Isotropy Error (ϕ), θ = 0°



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Conversion Factor Assessment for DASY3 SAR Measurement System

ET3DV6 S/N: 1560

835 MHz Brain

Conve $X = 6.78 \pm 7\%$ (K=2)	Boundary	Effect:
ConvF Y = 6.78 \pm 7% (k=2)	Alpha	0.30
ConvF $Z = 6.78 \pm 7\%$ (k=2)	Depth	2.90

1900 MHz Brain

ConvF $X = 5.16 \pm 7\%$ (k=2)	Boundary I	Effect:
ConvF Y = 5.16 \pm 7% (k=2)	Alpha	0.48
ConvF $Z = 5.16 \pm 7\%$ (k=2)	Depth	2.40

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Certificate of conformity / First Article Inspection

Item	SAM Twin Phantom V4.0	
Type No	QD 000 P40 BA	
Series No	TP-1002 and higher	
Manufacturer / Origin	Untersee Composites Hauptstr. 69 CH-8559 Fruthwilen Switzerland	

Tests

The series production process used allows the limitation to test of first articles. Complete tests were made on the pre-series Type No. QD 000 P40 AA, Serial No. TP-1001 and on the series first article Type No. QD 000 P40 BA, Serial No. TP-1006. Certain parameters have been retested using further series units (called samples).

Test	Requirement	Details	Units tested
Shape	Compliance with the geometry according to the CAD model.	IT'IS CAD File (*)	First article, Samples
Material thickness	Compliant with the requirements according to the standards	2mm +/- 0.2mm In specific areas	First article, Samples
Material parameters	Dielectric parameters for required frequencies	200 MHz - 3 GHz Relative permittivity < 5 Loss tangent < 0.05.	Material sample TP 104-5
Material resistivity	The material has been tested to be compatible with the liquids defined in the standards	Liquid type HSL 1800 and others according to the standard.	Pre-series, First article

Standards

- **CENELEC EN 50361**
- IEEE P1528-200x draft 6.5 IEC PT 62209 draft 0.9
- The IT'IS CAD file is derived from [2] and is also within the tolerance requirements of the shapes of [1] and [3].

Conformity

Based on the sample tests above, we certify that this item is in compliance with the uncertainty requirements of SAR measurements specified in standard [1] and draft standards [2] and [3].

Date

18.11.2001

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Fin Brubolt