

Calibration Certificate

Dosimetric E-Field Probe

Type:

ET3DV6

Serial Number:

1559

Place of Calibration:

Zurich

Date of Calibration:

Feb. 20, 2001

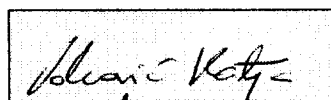
Calibration Interval:

12 months

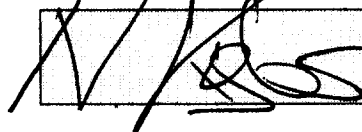
Schmid & Partner Engineering AG hereby certifies, that this device has been calibrated on the date indicated above. The calibration was performed in accordance with specifications and procedures of Schmid & Partner Engineering AG.

Wherever applicable, the standards used in the calibration process are traceable to international standards. In all other cases the standards of the Laboratory for EMF and Microwave Electronics at the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland have been applied.

Calibrated by:



Approved by:



DASY3 - Parameters of Probe: ET3DV6 SN:1559

Sensitivity in Free Space

NormX	1.51 $\mu\text{V}/(\text{V}/\text{m})^2$
NormY	1.54 $\mu\text{V}/(\text{V}/\text{m})^2$
NormZ	1.51 $\mu\text{V}/(\text{V}/\text{m})^2$

Diode Compression

DCP X	102 mV
DCP Y	102 mV
DCP Z	102 mV

Sensitivity in Tissue Simulating Liquid

Head **450 MHz** $\epsilon_r = 43.5 \pm 5\%$ $\sigma = 0.87 \pm 10\%$ mho/m

ConvF X	7.27 extrapolated	Boundary effect:	
ConvF Y	7.27 extrapolated	Alpha	0.22
ConvF Z	7.27 extrapolated	Depth	3.41

Head **900 MHz** $\epsilon_r = 42 \pm 5\%$ $\sigma = 0.97 \pm 10\%$ mho/m

ConvF X	6.70 $\pm 7\%$ (k=2)	Boundary effect:	
ConvF Y	6.70 $\pm 7\%$ (k=2)	Alpha	0.30
ConvF Z	6.70 $\pm 7\%$ (k=2)	Depth	3.03

Head **1500 MHz** $\epsilon_r = 40.4 \pm 5\%$ $\sigma = 1.23 \pm 10\%$ mho/m

ConvF X	5.94 interpolated	Boundary effect:	
ConvF Y	5.94 interpolated	Alpha	0.42
ConvF Z	5.94 interpolated	Depth	2.53

Head **1800 MHz** $\epsilon_r = 40 \pm 5\%$ $\sigma = 1.40 \pm 10\%$ mho/m

ConvF X	5.56 $\pm 7\%$ (k=2)	Boundary effect:	
ConvF Y	5.56 $\pm 7\%$ (k=2)	Alpha	0.48
ConvF Z	5.56 $\pm 7\%$ (k=2)	Depth	2.27

Sensor Offset

Probe Tip to Sensor Center	2.7	mm
Optical Surface Detection	2.3 $\pm$ 0.2	mm