Schmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland, Phone +41 1 245 97 00, Fax +41 1 245 97 79

Calibration Certificate

Dosimetric E-Field Probe

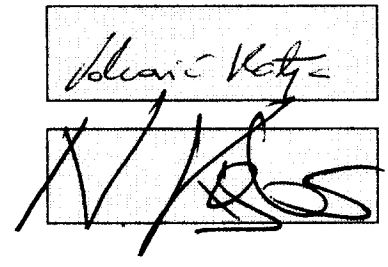
Type:	**ET3DV6**
Serial Number:	**1559**
Place of Calibration:	**Zurich**
Date of Calibration:	**Feb. 20, 2001**
Calibration Interval:	**12 months**

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** $\mu V/(V/m)^2$
NormY	**1.54** $\mu V/(V/m)^2$
NormZ	**1.51** $\mu V/(V/m)^2$

Diode Compression

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

Sensitivity in Tissue Simulating Liquid

Head **450 MHz** ε_r **= 43.5 ± 5%** σ **= 0.87 ± 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** ε_r **= 42 ± 5%** σ **= 0.97 ± 10% mho/m**

ConvF X	**6.70**	± 7% (k=2)	Boundary effect:
ConvF Y	**6.70**	± 7% (k=2)	Alpha **0.30**
ConvF Z	**6.70**	± 7% (k=2)	Depth **3.03**

Head **1500 MHz** ε_r **= 40.4 ± 5%** σ **= 1.23 ± 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** ε_r **= 40 ± 5%** σ **= 1.40 ± 10% mho/m**

ConvF X	**5.56**	± 7% (k=2)	Boundary effect:
ConvF Y	**5.56**	± 7% (k=2)	Alpha **0.48**
ConvF Z	**5.56**	± 7% (k=2)	Depth **2.27**

Sensor Offset

Probe Tip to Sensor Center	**2.7**	mm
Optical Surface Detection	**2.3 ± 0.2**	mm