Schmid & Partner
Engineering AG

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

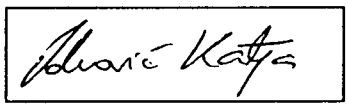
Additional Conversion Factors

for Dosimetric E-Field Probe

Type:	**ET3DV6**
Serial Number:	**1560**
Place of Assessment:	**Zurich**
Date of Assessment:	**Feb. 22, 2001**
Probe Calibration Date:	**Feb. 20, 2001**

Schmid & Partner Engineering AG hereby certifies that conversion factor(s) of this probe have been evaluated on the date indicated above. The assessment was performed using the FDTD numerical code SEMCAD of Schmid & Partner Engineering AG. Since the evaluation is coupled with measured conversion factors, it has to be recalculated yearly, i.e., following the re-calibration schedule of the probe. The uncertainty of the numerical assessment is based on the extrapolation from measured value at 900 MHz or at 1800 MHz.

Approved by:



Dosimetric E-Field Probe ET3DV6 SN:1560

Conversion factor (± standard deviation)

450 MHz	ConvF	**7.65 ± 15%**	ε_r = **57.5 +/- 5%** σ = **0.83 +/- 5% mho/m** (muscle tissue)
835 MHz	ConvF	**6.78 ± 10%**	ε_r = **41.5 +/- 5%** σ = **0.90 +/- 5% mho/m** (brain tissue)
835 MHz	ConvF	**6.52 ± 10%**	ε_r = **56.2 +/- 5%** σ = **0.95 +/- 5% mho/m** (muscle tissue)
1900 MHz	ConvF	**5.16 ± 10%**	ε_r = **40.0 +/- 5%** σ = **1.40 +/- 5% mho/m** (brain tissue)
1900 MHz	ConvF	**4.70 ± 10%**	ε_r = **54.2 +/- 5%** σ = **1.50 +/- 5% mho/m** (muscle tissue)
2450 MHz	ConvF	**4.37 ± 15%**	ε_r = **39.2 +/- 5%** σ = **1.80 +/- 5% mho/m** (brain tissue)
2450 MHz	ConvF	**4.30 ± 15%**	ε_r = **52.2 +/- 5%** σ = **2.85 +/- 5% mho/m** (muscle tissue)