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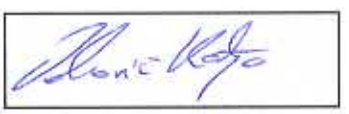
Additional Conversion Factors

for Dosimetric E-Field Probe

Type:	**ET3DV6**
Serial Number:	**1547**
Place of Assessment:	**Zurich**
Date of Assessment:	**October 4, 2004**
Probe Calibration Date:	**September 29, 2004**

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.

Assessed by:



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Dosimetric E-Field Probe ET3DV6 SN:1547

Conversion factor (± standard deviation)

150 MHz	ConvF	**8.2 ± 8%**	ε_r = 61.9 σ = 0.80 mho/m (body tissue)
250 MHz	ConvF	**7.6 ± 8%**	ε_r = 59.4 σ = 0.88 mho/m (body tissue)
300 MHz	ConvF	**7.5 ± 8%**	ε_r = 58.2 σ = 0.92 mho/m (body tissue)
380 MHz	ConvF	**7.3 ± 8%**	ε_r = 58.2 σ = 0.92 mho/m (body tissue)
480 MHz	ConvF	**7.1 ± 8%**	ε_r = 56.6 σ = 0.94 mho/m (body tissue)
800 MHz	ConvF	**6.2 ± 8%**	ε_r = 55.3 σ = 0.97 mho/m (body tissue)

Important Note:

For numerically assessed probe conversion factors, parameters Alpha and Delta in the DASY software must have the following entries: Alpha = 0 and Delta = 1.

Please see also Section 4.7 of the DASY4 Manual.

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Dosimetric E-Field Probe ET3DV6 SN:1547

Conversion factor (± standard deviation)

150 MHz	ConvF	**8.6 ± 8%**	ε_r = **52.3** σ = **0.76 mho/m** (head tissue)
250 MHz	ConvF	**7.5 ± 8%**	ε_r = **47.6** σ = **0.83 mho/m** (head tissue)
300 MHz	ConvF	**7.4 ± 8%**	ε_r = **45.3** σ = **0.87 mho/m** (head tissue)
380 MHz	ConvF	**7.3 ± 8%**	ε_r = **44.3** σ = **0.87 mho/m** (head tissue)
480 MHz	ConvF	**7.0 ± 8%**	ε_r = **43.3** σ = **0.87 mho/m** (head tissue)
800 MHz	ConvF	**6.4 ± 8%**	ε_r = **41.7** σ = **0.90 mho/m** (head tissue)

Important Note:

For numerically assessed probe conversion factors, parameters Alpha and Delta in the DASY software must have the following entries: Alpha = 0 and Delta = 1.

Please see also Section 4.7 of the DASY4 Manual.