

Schmid & Partner Engineering AG

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Additional Conversion Factors for Dosimetric E-Field Probe

Type:

ET3DV6

Serial Number:

1647

Place of Assessment:

Zurich

Date of Assessment:

February 7, 2002

Probe Calibration Date:

November 26, 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 recalibration 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:

Blaise Katon

Dosimetric E-Field Probe ET3DV6 SN:1647

Conversion factor ($\pm$ standard deviation)

450 MHz ConvF $7.5 \pm 8\%$

$\epsilon_r = 56.7 \pm 5\%$
 $\sigma = 0.94 \pm 5\% \text{ mho/m}$
Body tissue

900 MHz ConvF $6.3 \pm 8\%$

$\epsilon_r = 55.0 \pm 5\%$
 $\sigma = 1.05 \pm 5\% \text{ mho/m}$
Body tissue

1800 MHz ConvF $5.0 \pm 8\%$

$\epsilon_r = 53.3 \pm 5\%$
 $\sigma = 1.52 \pm 5\% \text{ mho/m}$
Body tissue