

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 ($\pm$ standard deviation)

450 MHz	ConvF	$7.65 \pm 15\%$	$\epsilon_r = 57.5 \pm 5\%$ $\sigma = 0.83 \pm 5\% \text{ mho/m}$ (muscle tissue)
835 MHz	ConvF	$6.78 \pm 10\%$	$\epsilon_r = 41.5 \pm 5\%$ $\sigma = 0.90 \pm 5\% \text{ mho/m}$ (brain tissue)
835 MHz	ConvF	$6.52 \pm 10\%$	$\epsilon_r = 56.2 \pm 5\%$ $\sigma = 0.95 \pm 5\% \text{ mho/m}$ (muscle tissue)
1900 MHz	ConvF	$5.16 \pm 10\%$	$\epsilon_r = 40.0 \pm 5\%$ $\sigma = 1.40 \pm 5\% \text{ mho/m}$ (brain tissue)
1900 MHz	ConvF	$4.70 \pm 10\%$	$\epsilon_r = 54.2 \pm 5\%$ $\sigma = 1.50 \pm 5\% \text{ mho/m}$ (muscle tissue)
2450 MHz	ConvF	$4.37 \pm 15\%$	$\epsilon_r = 39.2 \pm 5\%$ $\sigma = 1.80 \pm 5\% \text{ mho/m}$ (brain tissue)
2450 MHz	ConvF	$4.30 \pm 15\%$	$\epsilon_r = 52.2 \pm 5\%$ $\sigma = 2.85 \pm 5\% \text{ mho/m}$ (muscle tissue)