

Schmid & Partner Engineering AG

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Calibration Certificate

Dosimetric E-Field Probe

Type:

ET3DV6

Serial Number:

1687

Place of Calibration:

Zurich

Date of Calibration:

September 28, 2002

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:

D. Vetter

Approved by:

Heidi Käy

Probe ET3DV6

SN:1687

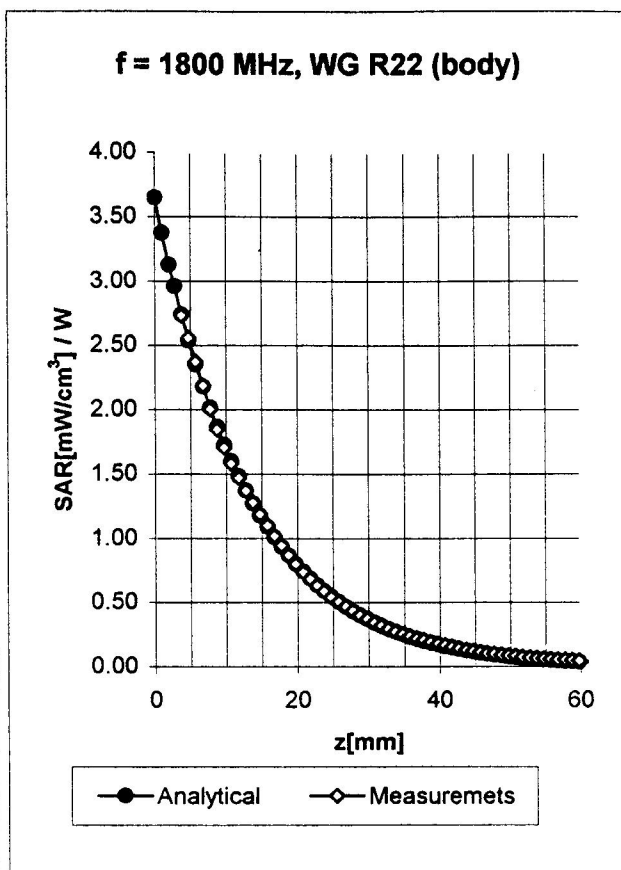
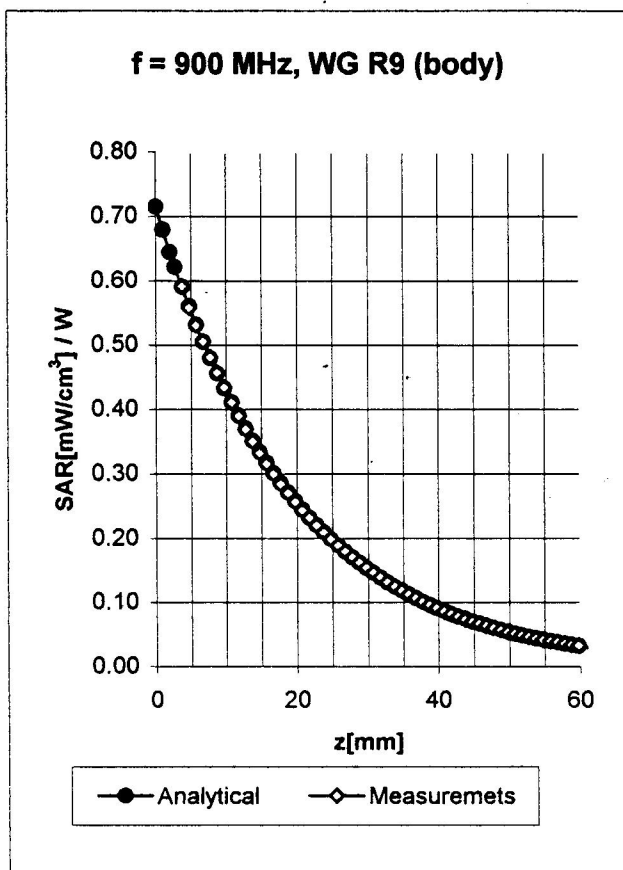
Additonal Conversion Factors

Calibrated: September 28, 2002

Calibrated for DASY Systems

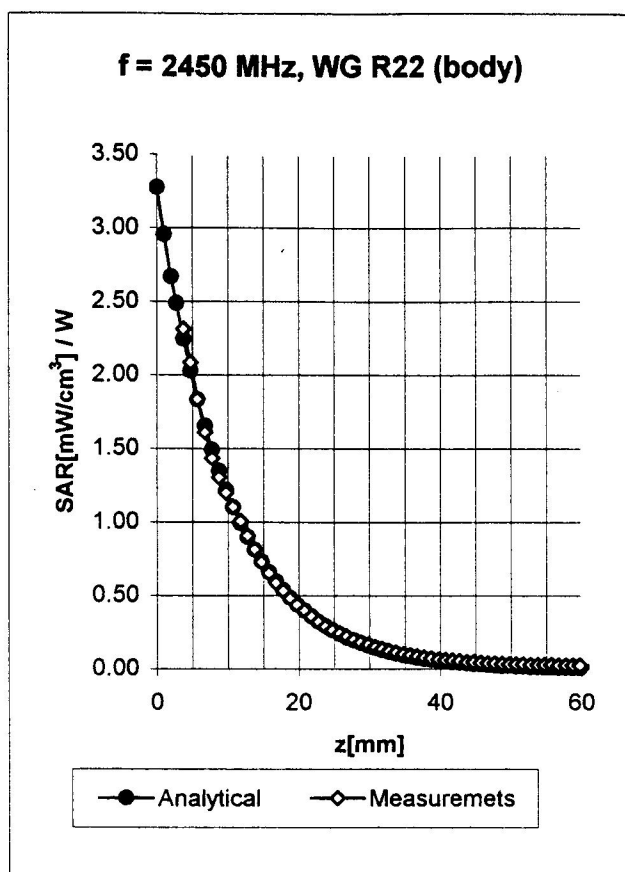
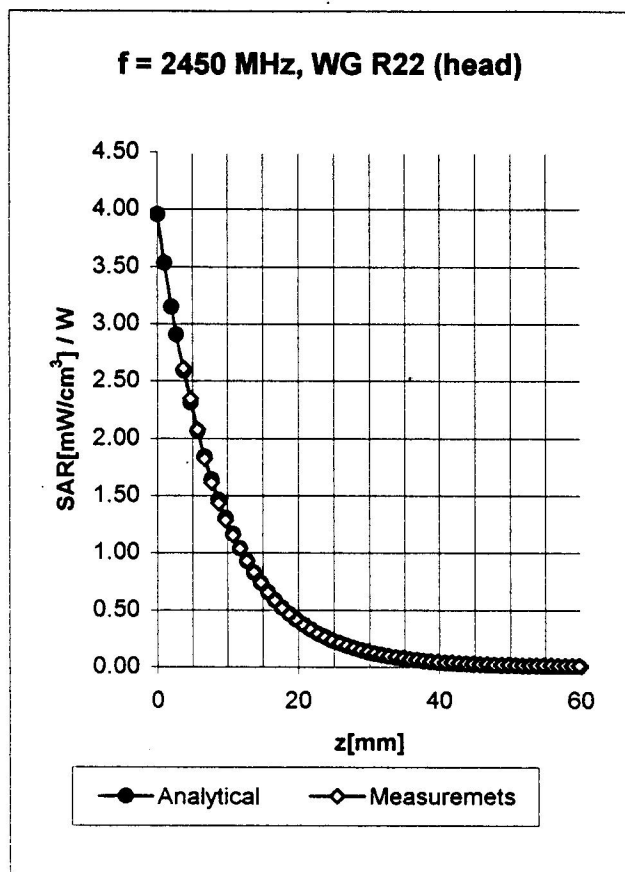
(Note: non-compatible with DASY2 system!)

Conversion Factor Assessment



Body	900 MHz	$\epsilon_r = 55.0 \pm 5\%$	$\sigma = 1.05 \pm 5\% \text{ mho/m}$
Body	835 MHz	$\epsilon_r = 55.2 \pm 5\%$	$\sigma = 0.97 \pm 5\% \text{ mho/m}$
	ConvF X	$6.3 \pm 9.5\% (k=2)$	Boundary effect:
	ConvF Y	$6.3 \pm 9.5\% (k=2)$	Alpha 0.37
	ConvF Z	$6.3 \pm 9.5\% (k=2)$	Depth 2.61
Body	1800 MHz	$\epsilon_r = 53.3 \pm 5\%$	$\sigma = 1.52 \pm 5\% \text{ mho/m}$
Body	1900 MHz	$\epsilon_r = 53.3 \pm 5\%$	$\sigma = 1.52 \pm 5\% \text{ mho/m}$
	ConvF X	$5.1 \pm 9.5\% (k=2)$	Boundary effect:
	ConvF Y	$5.1 \pm 9.5\% (k=2)$	Alpha 0.57
	ConvF Z	$5.1 \pm 9.5\% (k=2)$	Depth 2.40

Conversion Factor Assessment

**Head****2450 MHz** $\epsilon_r = 39.2 \pm 5\%$ $\sigma = 1.80 \pm 5\% \text{ mho/m}$ ConvF X **4.9** $\pm 8.9\%$ (k=2)ConvF Y **4.9** $\pm 8.9\%$ (k=2)ConvF Z **4.9** $\pm 8.9\%$ (k=2)

Boundary effect:

Alpha **1.00**Depth **1.70****Body****2450 MHz** $\epsilon_r = 52.7 \pm 5\%$ $\sigma = 1.95 \pm 5\% \text{ mho/m}$ ConvF X **4.4** $\pm 8.9\%$ (k=2)ConvF Y **4.4** $\pm 8.9\%$ (k=2)ConvF Z **4.4** $\pm 8.9\%$ (k=2)

Boundary effect:

Alpha **1.00**Depth **1.65**

Calibration Certificate

Dosimetric E-Field Probe

Type:

ET3DV6

Serial Number:

1687

Place of Calibration:

Zurich

Date of Calibration:

June 5, 2002

Calibration Interval:

12 months

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Calibrated by:

D. Vollen

Approved by:

Thomas Kötter