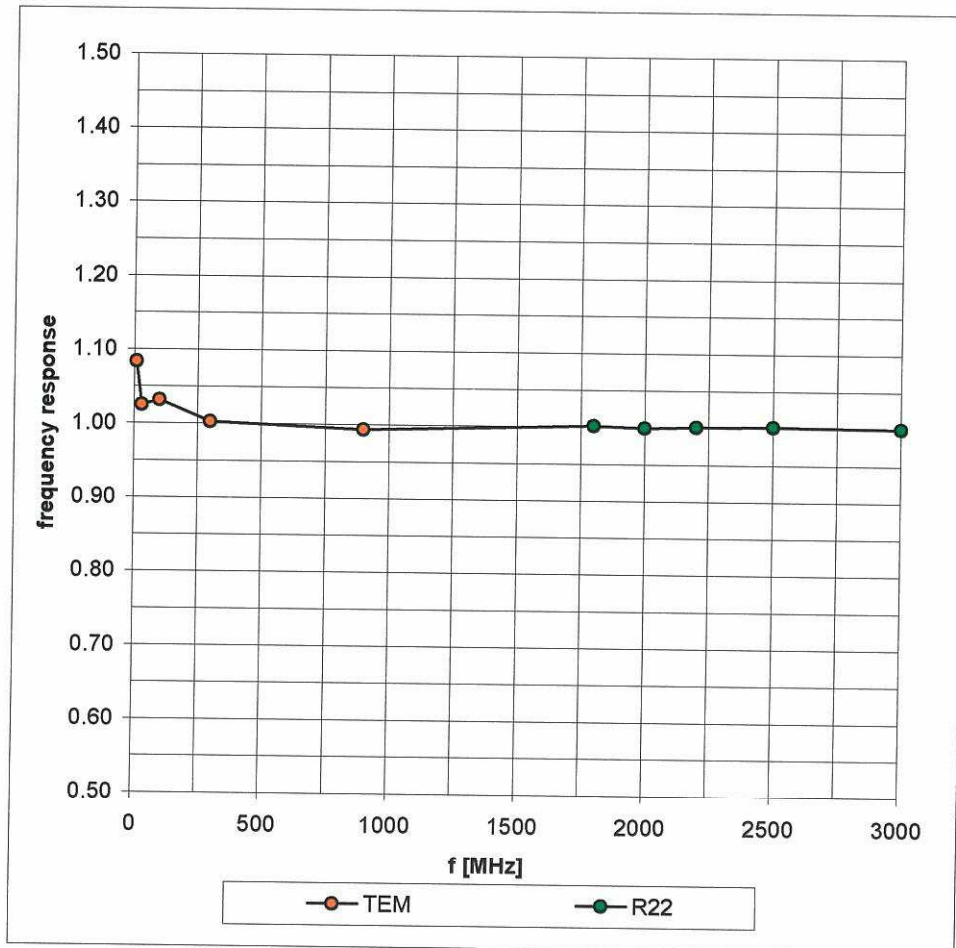
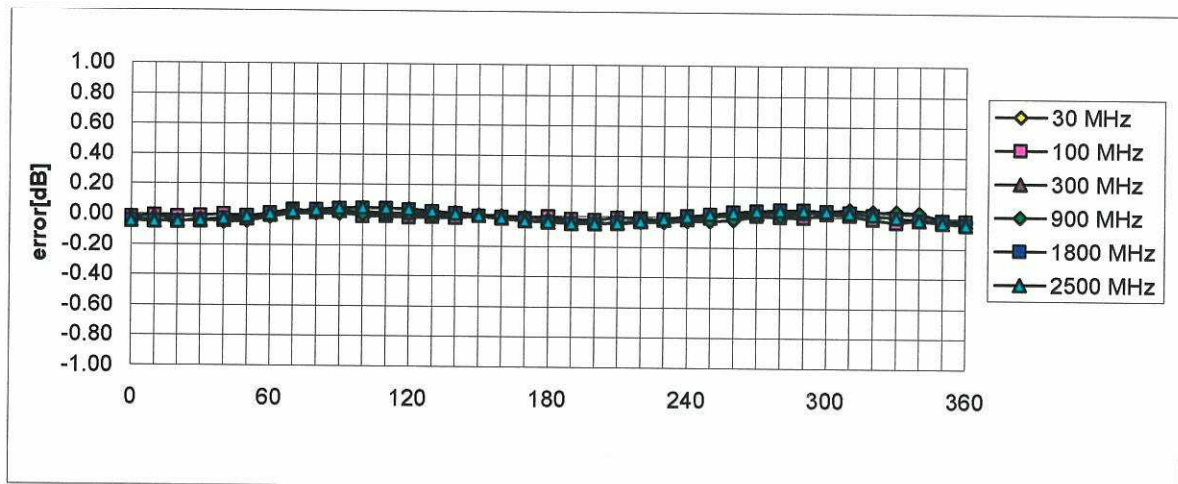
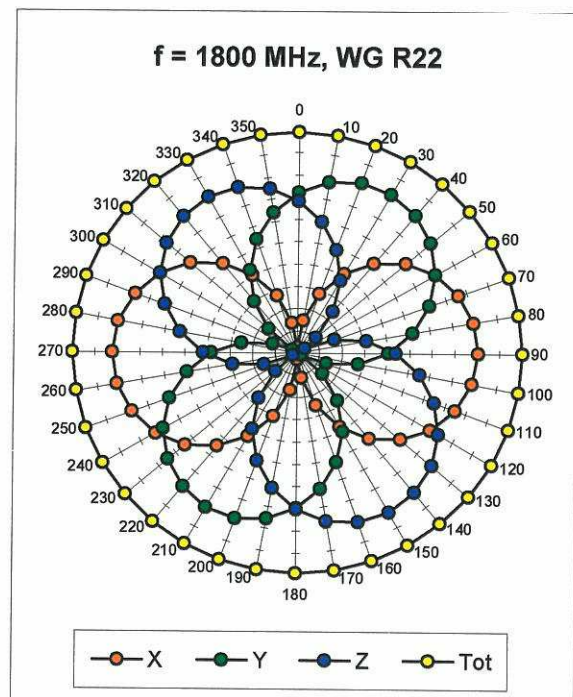
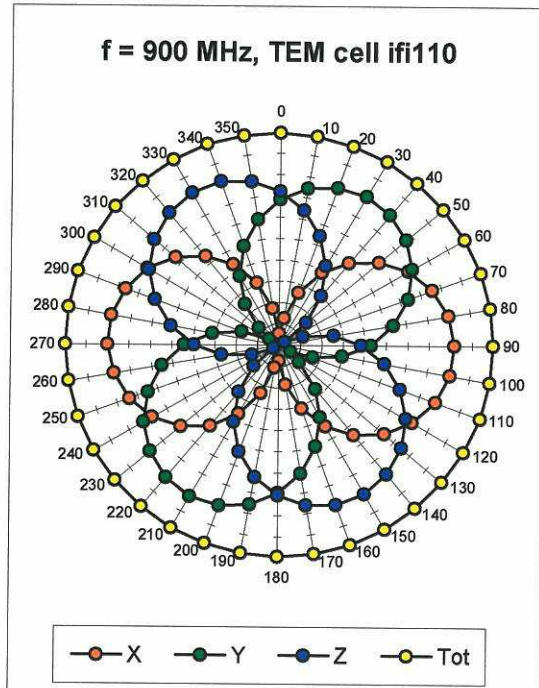


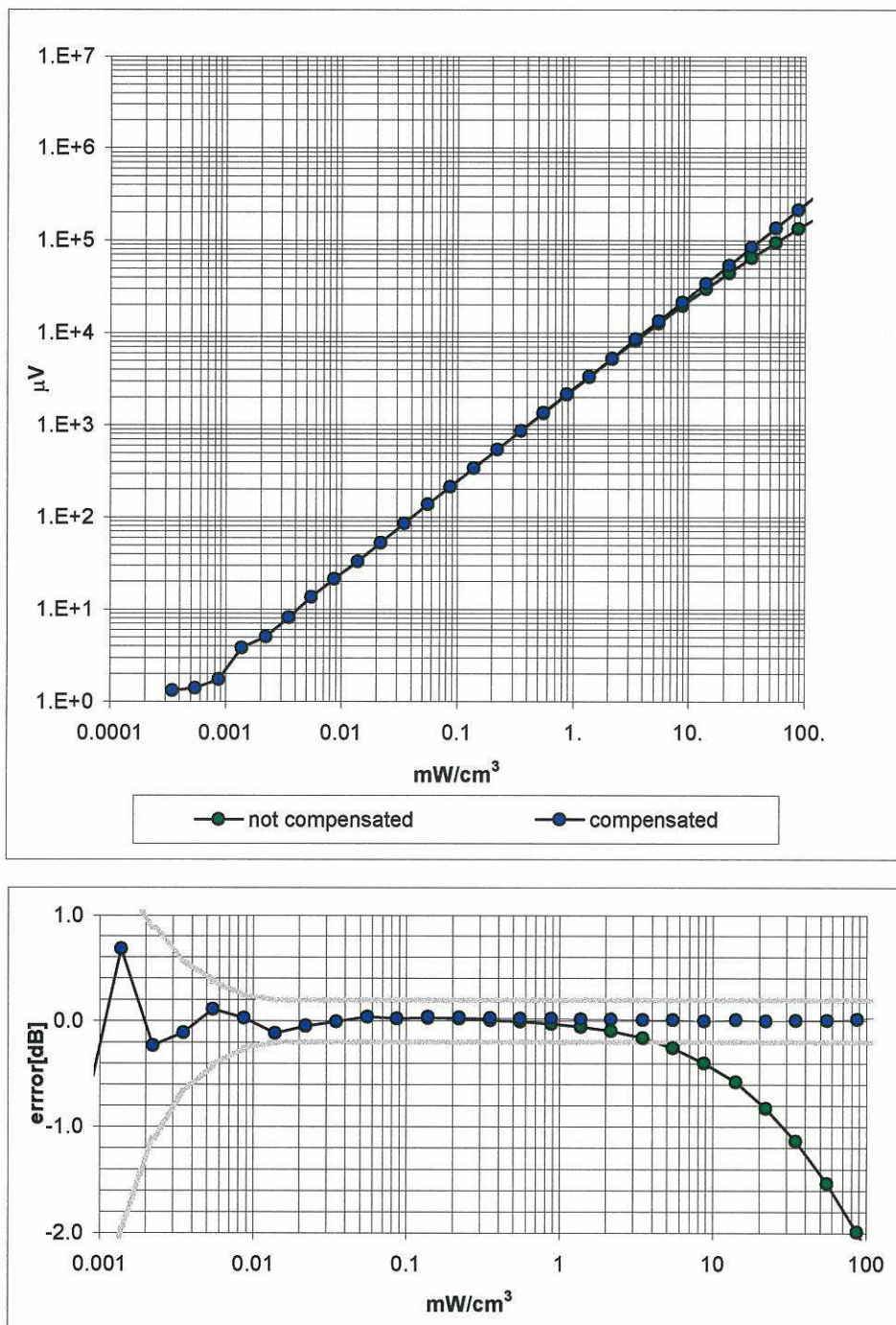
Frequency Response of E-Field

(TEM-Cell:ifi110, Waveguide R22)



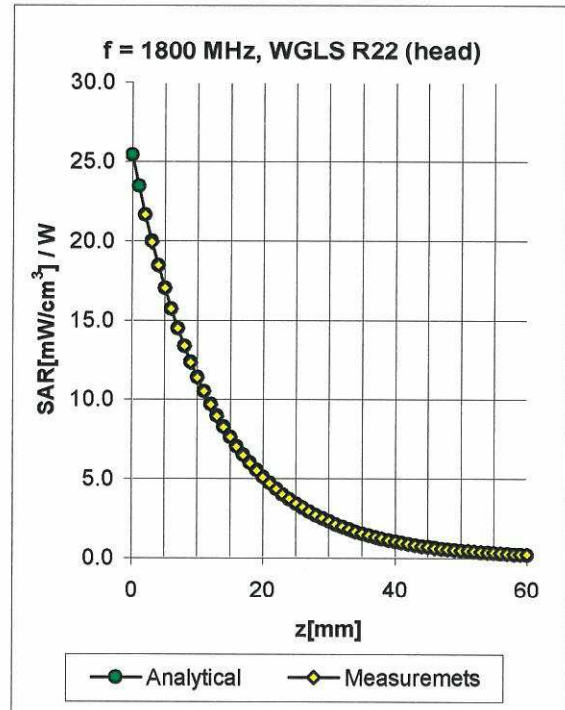
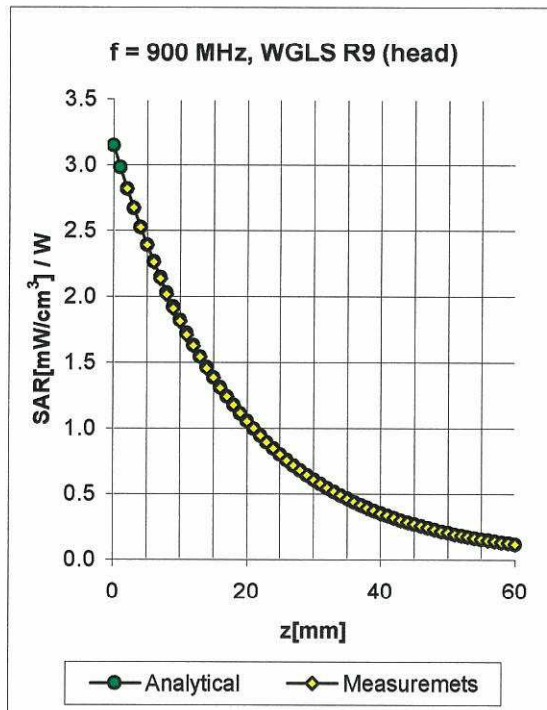
Receiving Pattern (ϕ) , $\theta = 0^\circ$ Axial Isotropy Error < ± 0.2 dB

Dynamic Range f(SAR_{head}) (Waveguide R22)



Probe Linearity < ± 0.2 dB

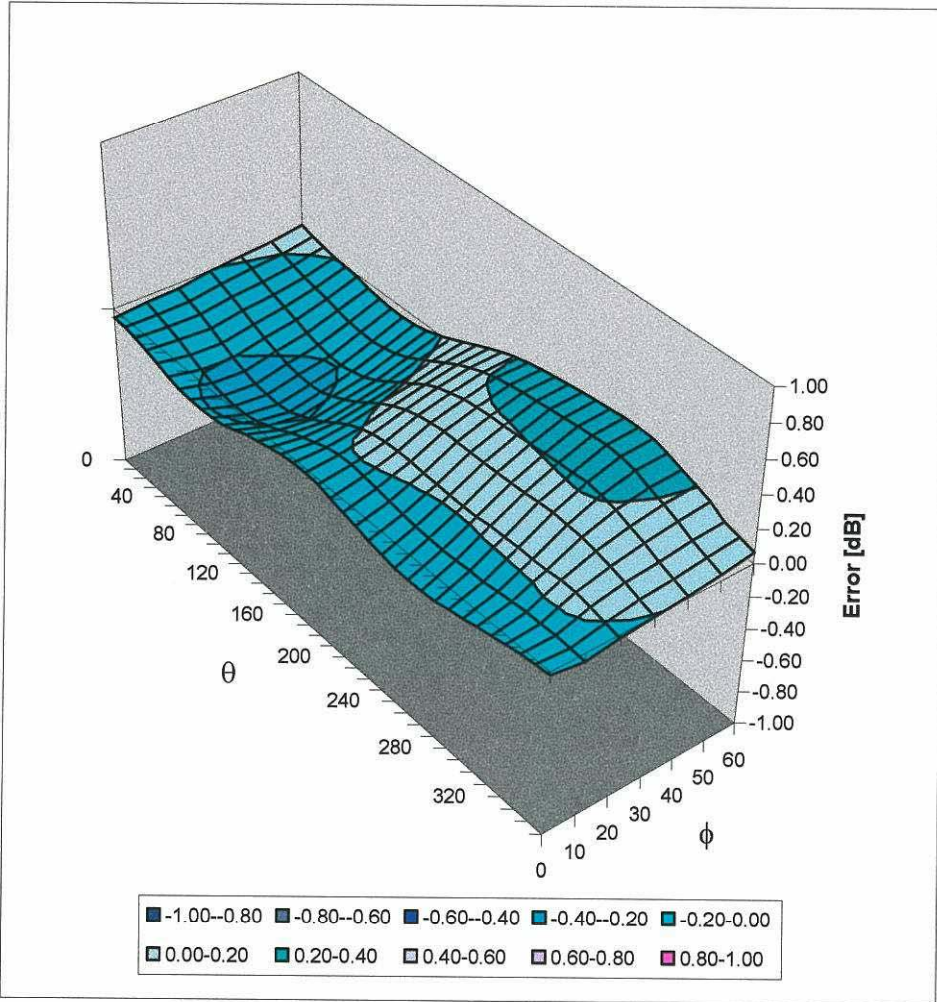
Conversion Factor Assessment



f [MHz]	Validity [MHz] ^B	Tissue	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
900	800-1000	Head	41.5 ± 5%	0.97 ± 5%	0.24	0.93	9.88 ± 11.3% (k=2)
1800	1710-1910	Head	40.0 ± 5%	1.40 ± 5%	0.09	2.74	8.46 ± 11.7% (k=2)
5200	4940-5460	Head	36.0 ± 5%	4.66 ± 5%	0.45	1.80	4.88 ± 21.8% (k=2)
5800	5510-6090	Head	35.3 ± 5%	5.27 ± 5%	0.45	1.80	4.50 ± 23.4% (k=2)
5200	4940-5460	Body	49.0 ± 5%	5.30 ± 5%	0.45	1.90	4.29 ± 21.8% (k=2)
5800	5510-6090	Body	48.2 ± 5%	6.00 ± 5%	0.43	1.90	3.96 ± 23.4% (k=2)

^B The total standard uncertainty is calculated as root-sum-square of standard uncertainty of the Conversion Factor at calibration frequency and the standard uncertainty for the indicated frequency band.

Deviation from Isotropy in HSL
Error (θ, ϕ), $f = 900$ MHz



Spherical Isotropy Error < ± 0.4 dB