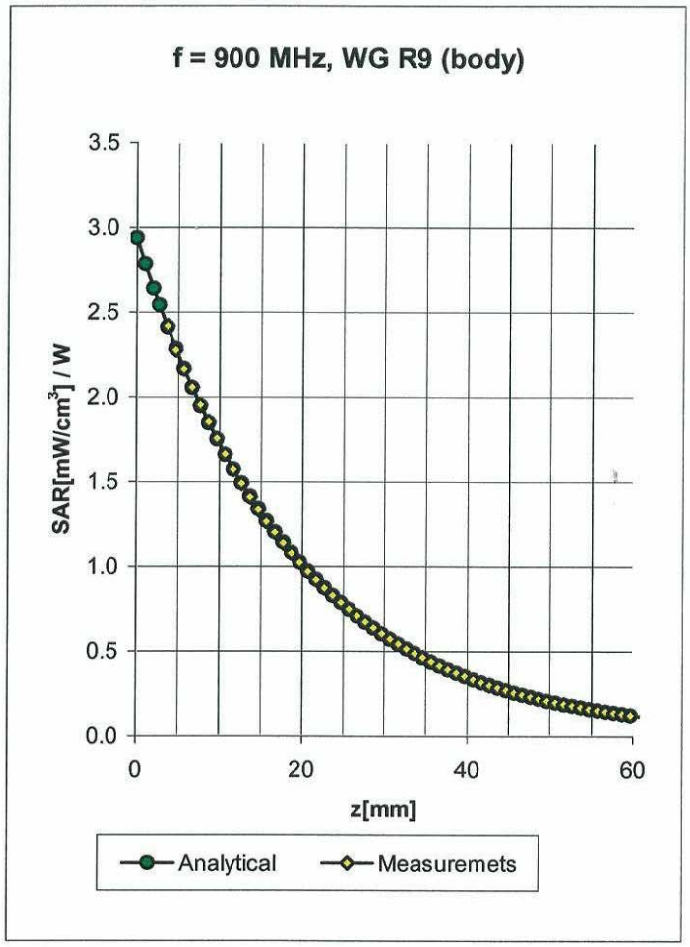
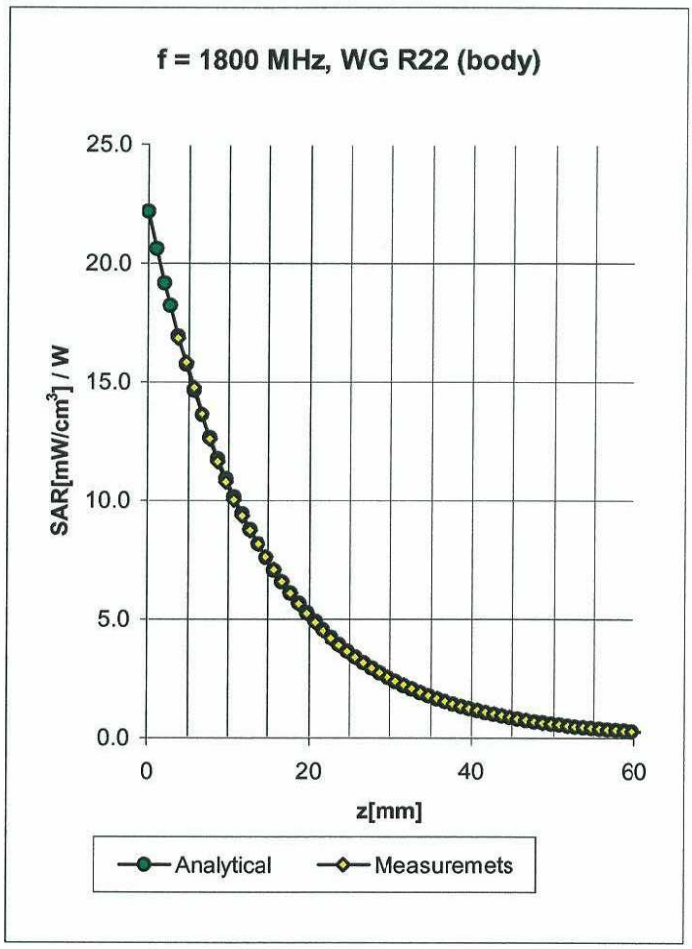
Conversion Factor Assessment





Body 900 MHz ε_r = 55.0 ± 5% σ = 1.05 ± 5% mho/m

Valid for f=800-1000 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

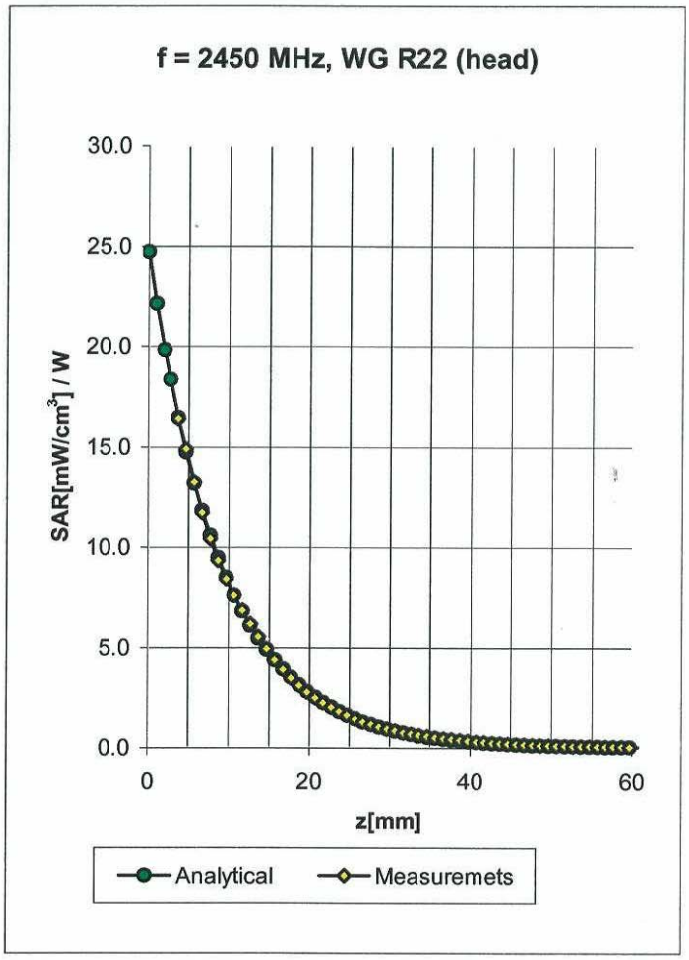
ConvF X	6.3 ± 9.5% (k=2)	Boundary effect:	
ConvF Y	6.3 ± 9.5% (k=2)	Alpha	**0.38**
ConvF Z	6.3 ± 9.5% (k=2)	Depth	**2.56**

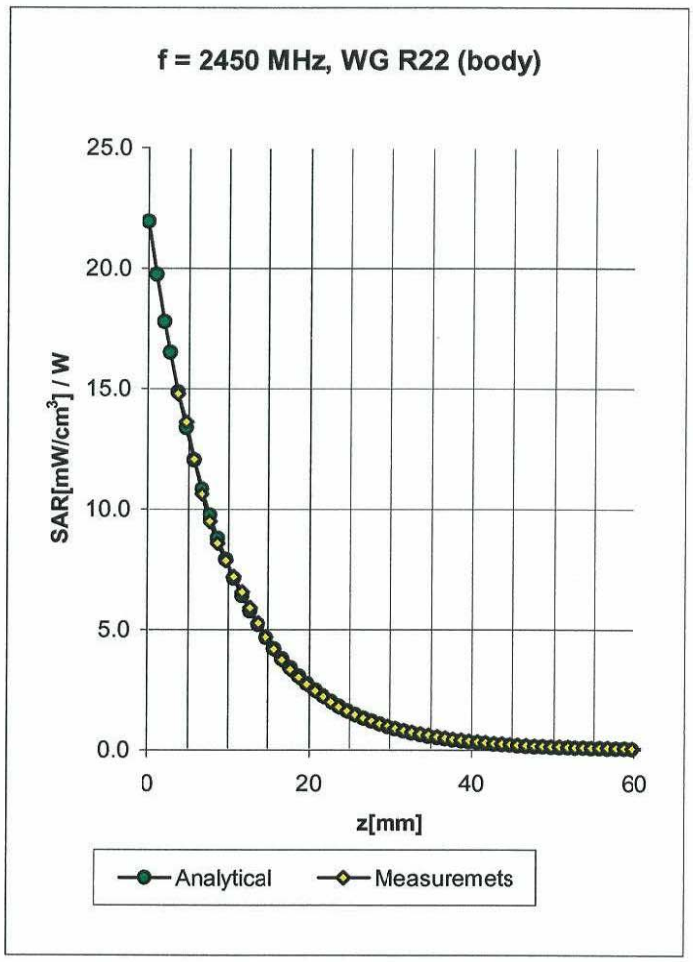
Body 1800 MHz ε_r = 53.3 ± 5% σ = 1.52 ± 5% mho/m

Valid for f=1710-1910 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

ConvF X	4.9 ± 9.5% (k=2)	Boundary effect:	
ConvF Y	4.9 ± 9.5% (k=2)	Alpha	**0.55**
ConvF Z	4.9 ± 9.5% (k=2)	Depth	**2.69**

Conversion Factor Assessment





Head 2450 MHz ε_r = 39.2 ± 5% σ = 1.80 ± 5% mho/m

Valid for f=2400-2500 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

ConvF X	**4.9** ± 9.5% (k=2)	Boundary effect:	
ConvF Y	**4.9** ± 9.5% (k=2)	Alpha	**0.99**
ConvF Z	**4.9** ± 9.5% (k=2)	Depth	**1.81**

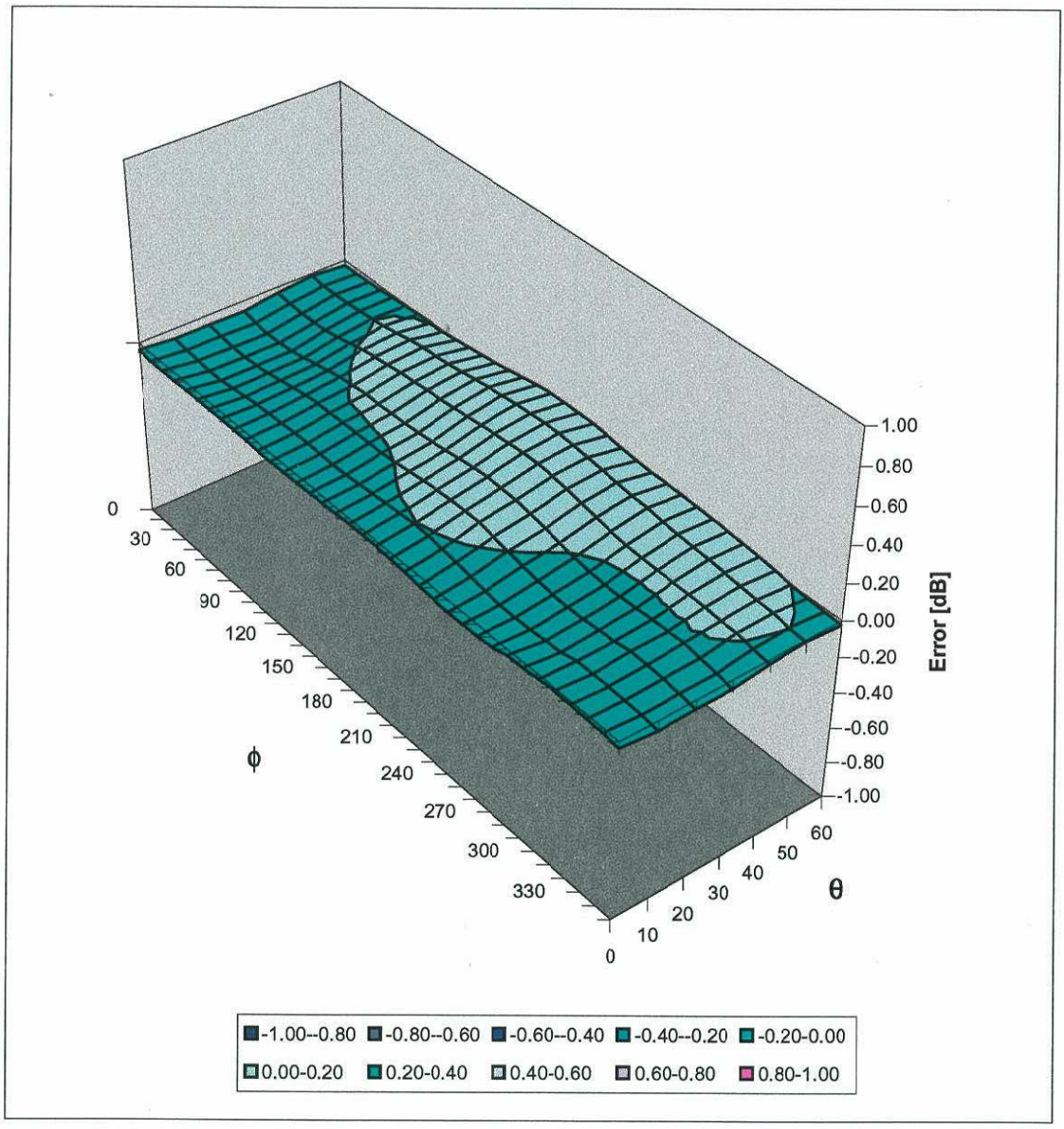
Body 2450 MHz ε_r = 52.7 ± 5% σ = 1.95 ± 5% mho/m

Valid for f=2400-2500 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

ConvF X	**4.6** ± 9.5% (k=2)	Boundary effect:	
ConvF Y	**4.6** ± 9.5% (k=2)	Alpha	**1.60**
ConvF Z	**4.6** ± 9.5% (k=2)	Depth	**1.50**

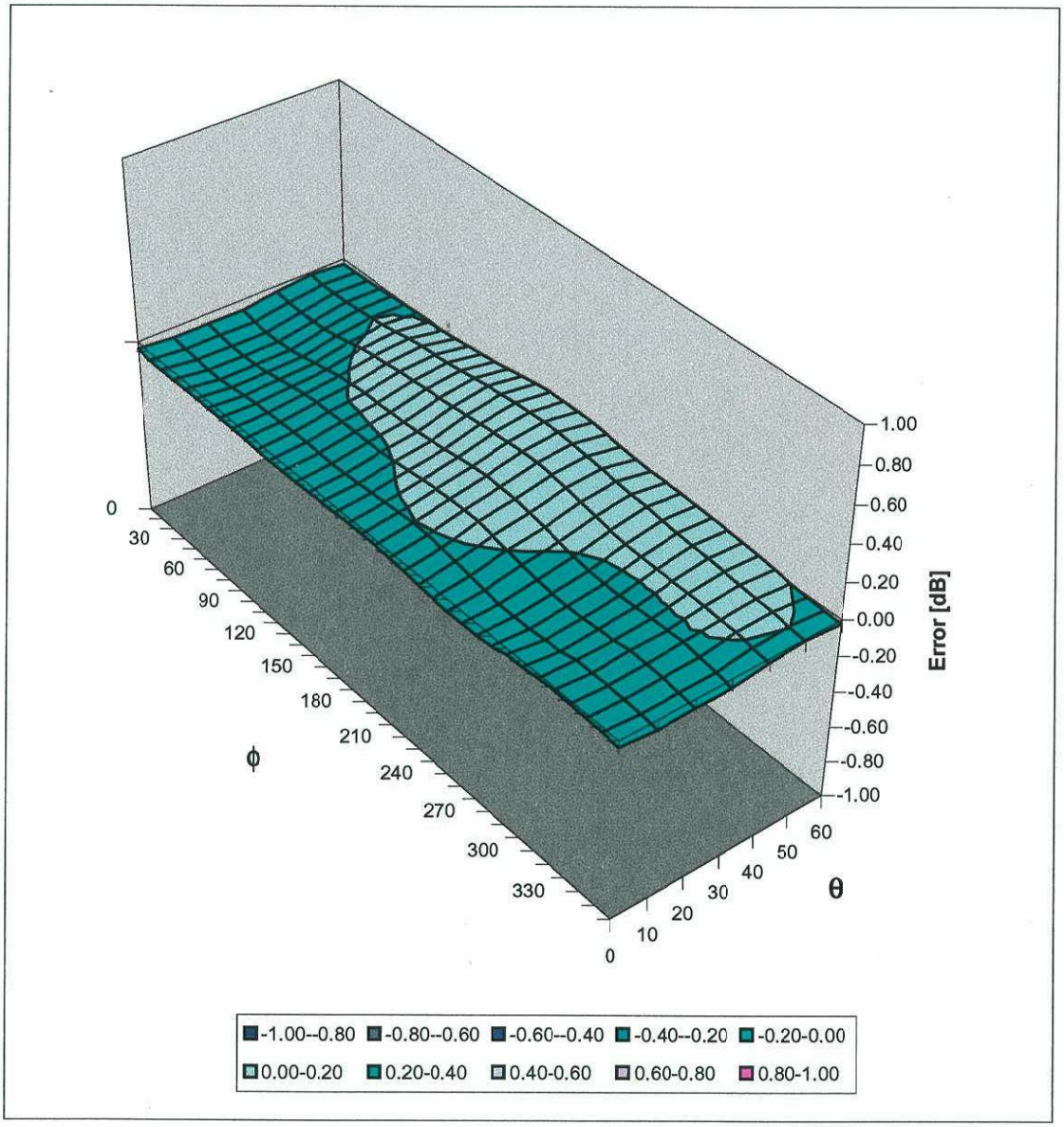
Deviation from Isotropy in HSL

Error (θ,ϕ), f = 900 MHz



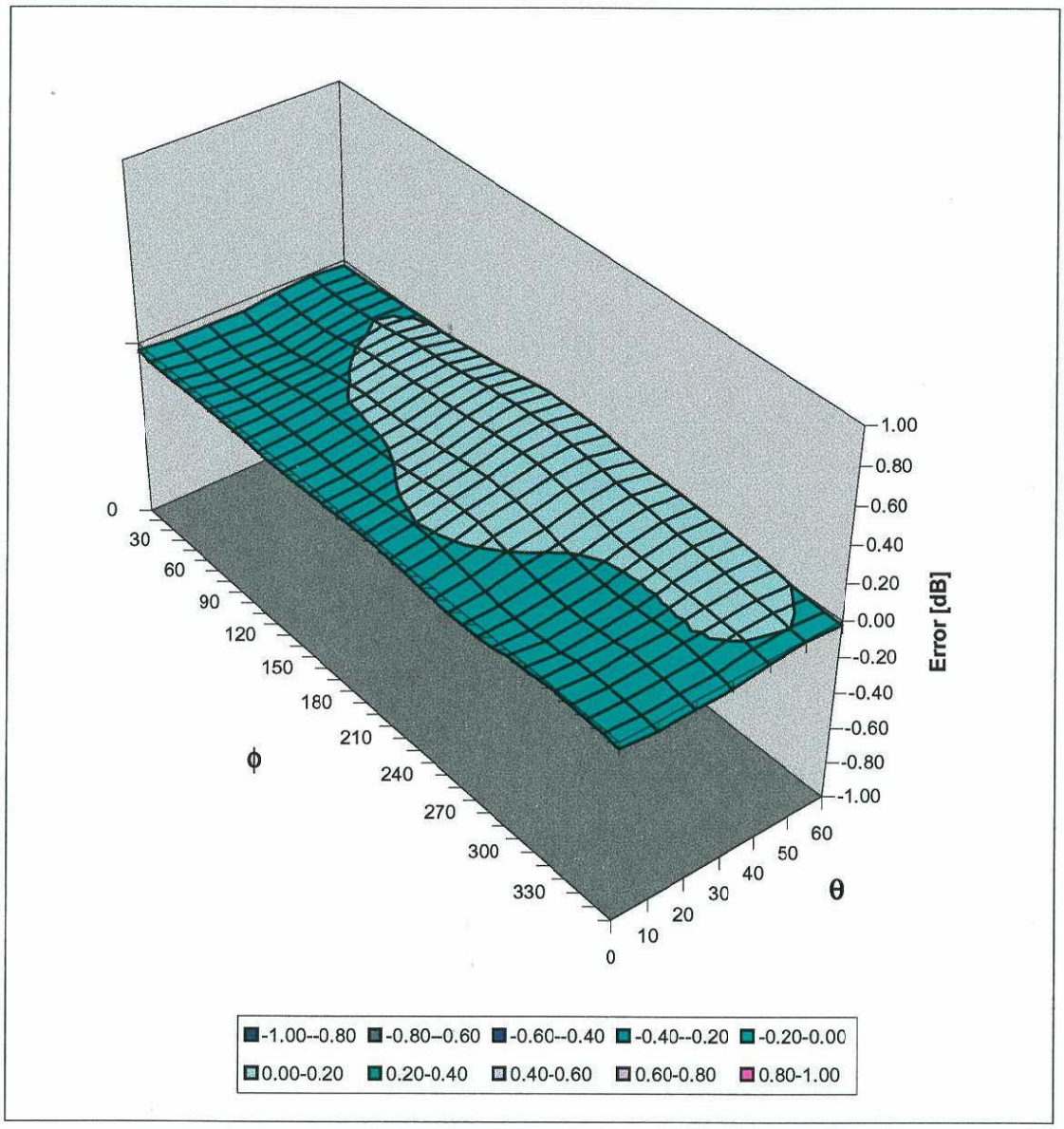
Deviation from Isotropy in HSL

Error (θ,ϕ), f = 900 MHz



Deviation from Isotropy in HSL

Error (θ,ϕ), f = 900 MHz



Deviation from Isotropy in HSL

Error (θ,ϕ), f = 900 MHz