APPENDIX C - PROBE CALIBRATION

Probe ET3DV6

SN:1590

Manufactured:	March 19, 2001
Calibrated:	March 26, 2001

Calibrated for System DASY3

DASY3 - Parameters of Probe: ET3DV6 SN:1590

Sensitivity in Free Space

Diode Compression

NormX	**1.77**	$\mu V/(V/m)^2$	DCP X	**100**	mV
NormY	**1.91**	$\mu V/(V/m)^2$	DCP Y	**100**	mV
NormZ	**1.67**	$\mu V/(V/m)^2$	DCP Z	**100**	mV

Sensitivity in Tissue Simulating Liquid

Head **450 MHz** e_r **= 43.5 ± 5%** s **= 0.87 ± 10% mho/m**

ConvF X	**7.36**	extrapolated	Boundary effect:	
ConvF Y	**7.36**	extrapolated	Alpha	**0.29**
ConvF Z	**7.36**	extrapolated	Depth	**2.72**

Head **900 MHz** e_r **= 42 ± 5%** s **= 0.97 ± 10% mho/m**

ConvF X	**6.83**	± 7% (k=2)	Boundary effect:	
ConvF Y	**6.83**	± 7% (k=2)	Alpha	**0.37**
ConvF Z	**6.83**	± 7% (k=2)	Depth	**2.48**

Head **1500 MHz** e_r **= 40.4 ± 5%** s **= 1.23 ± 10% mho/m**

ConvF X	**6.13**	interpolated	Boundary effect:	
ConvF Y	**6.13**	interpolated	Alpha	**0.47**
ConvF Z	**6.13**	interpolated	Depth	**2.17**

Head **1800 MHz** e_r **= 40 ± 5%** s **= 1.40 ± 10% mho/m**

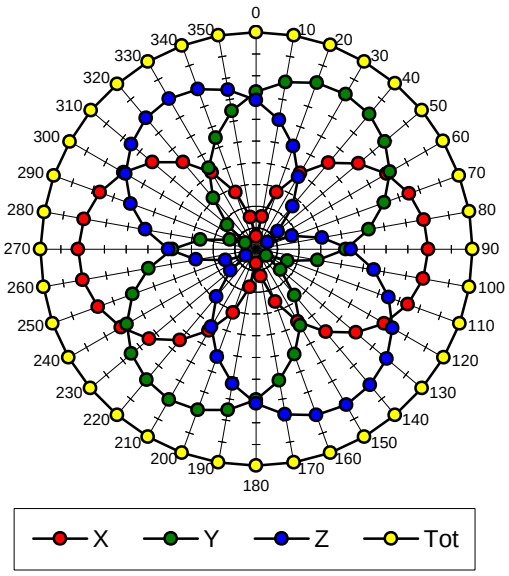
ConvF X	**5.78**	± 7% (k=2)	Boundary effect:	
ConvF Y	**5.78**	± 7% (k=2)	Alpha	**0.53**
ConvF Z	**5.78**	± 7% (k=2)	Depth	**2.01**

Sensor Offset

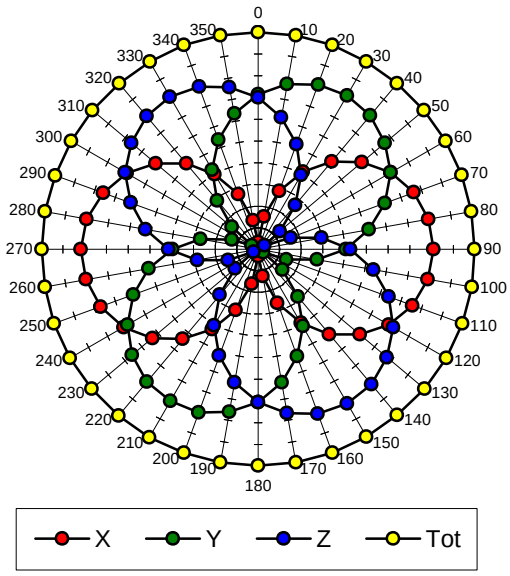
Probe Tip to Sensor Center	**2.7**	mm
Optical Surface Detection	**1.2 ± 0.2**	mm

Receiving Pattern (ϕ , θ = 0°

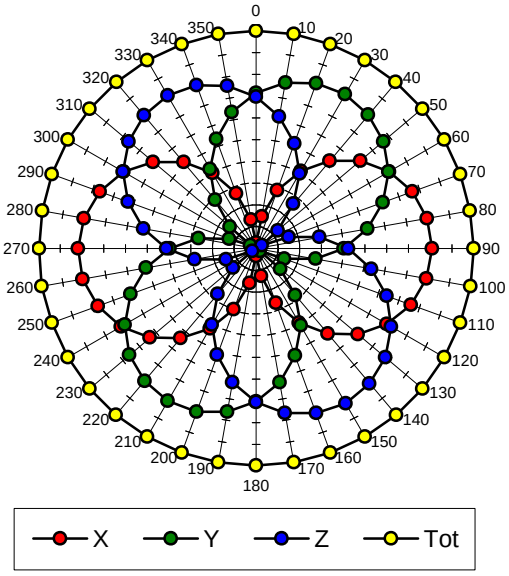
f = 30 MHz, TEM cell ifi110



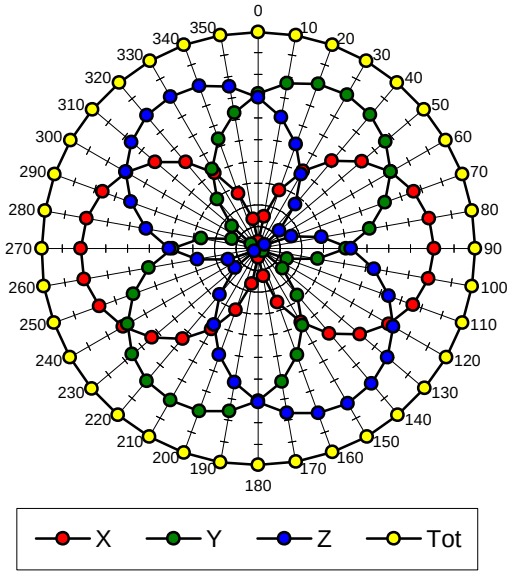
f = 100 MHz, TEM cell ifi110



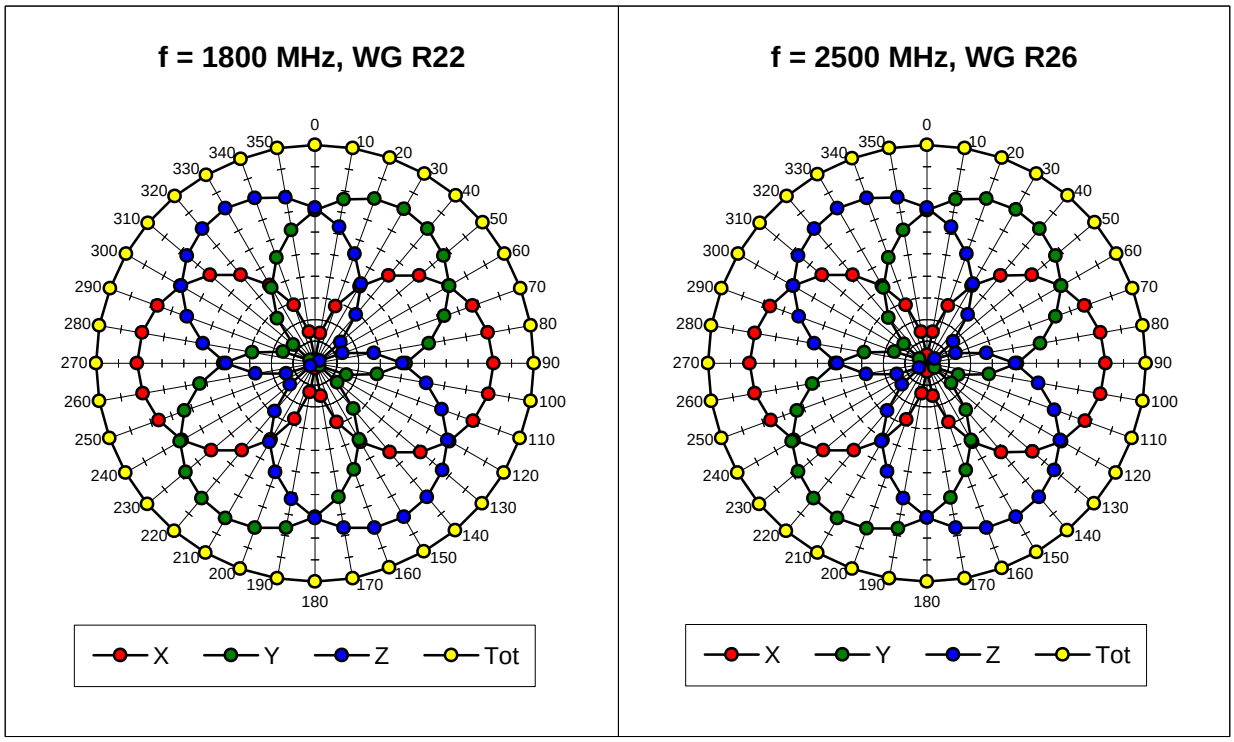
f = 300 MHz, TEM cell ifi110



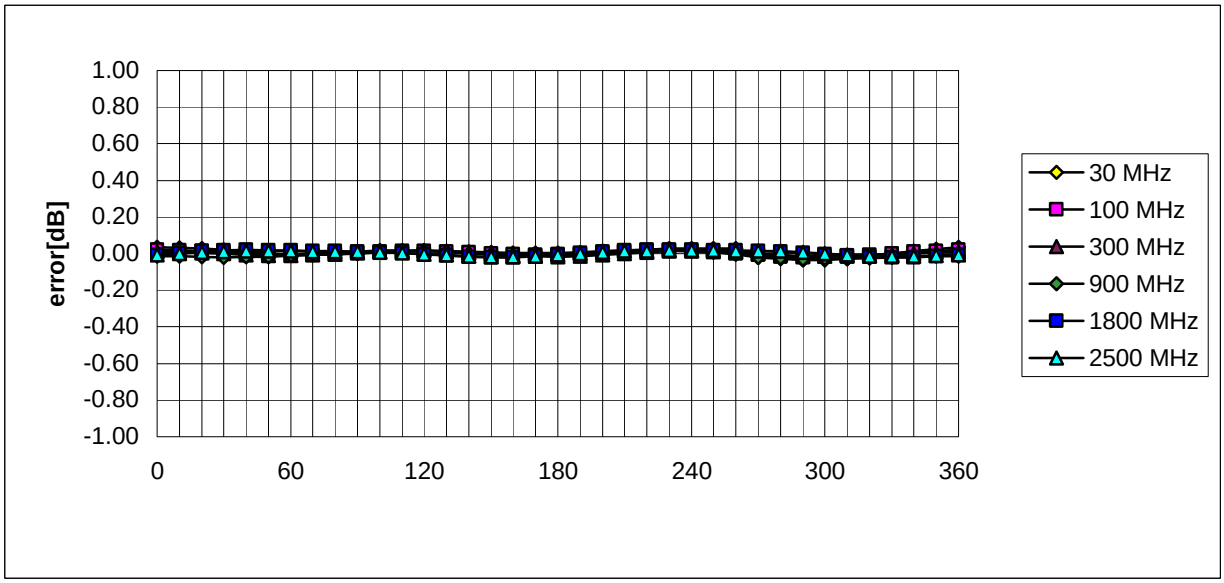
f = 900 MHz, TEM cell ifi110



ET3DV6 SN:1590

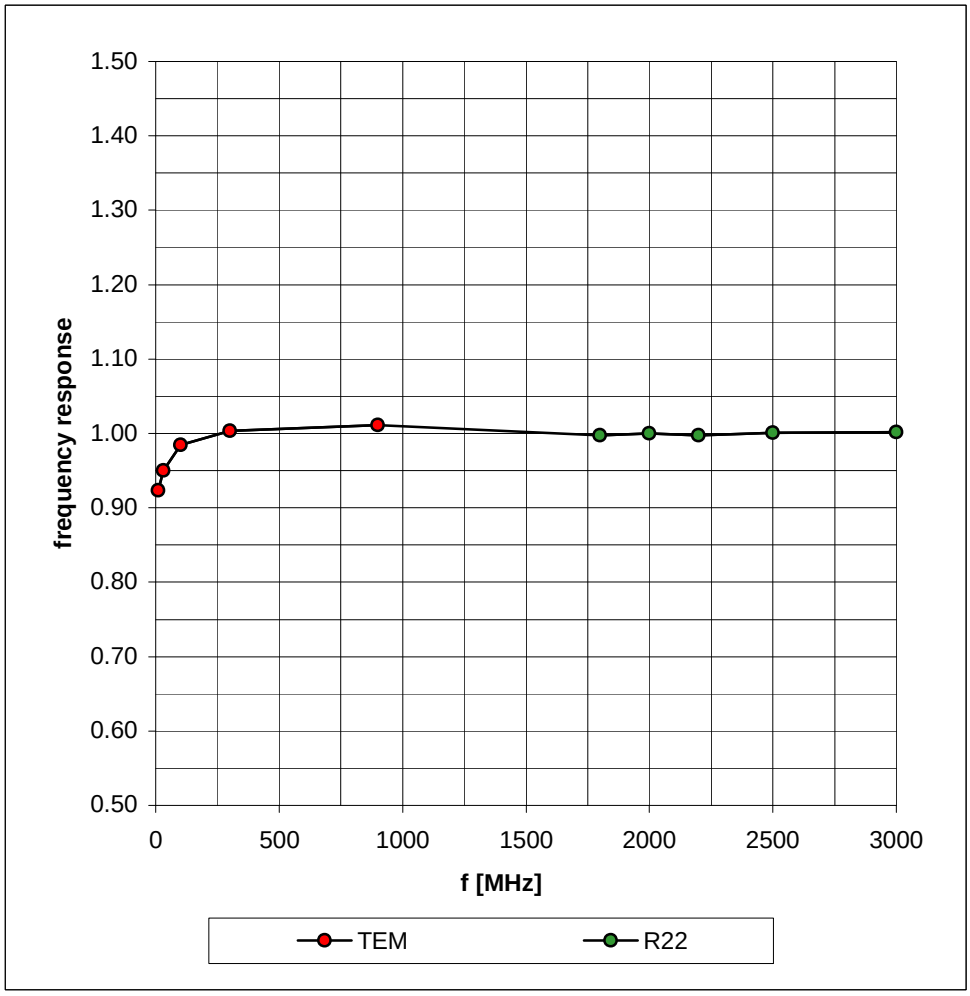


Isotropy Error (f), q = 0°



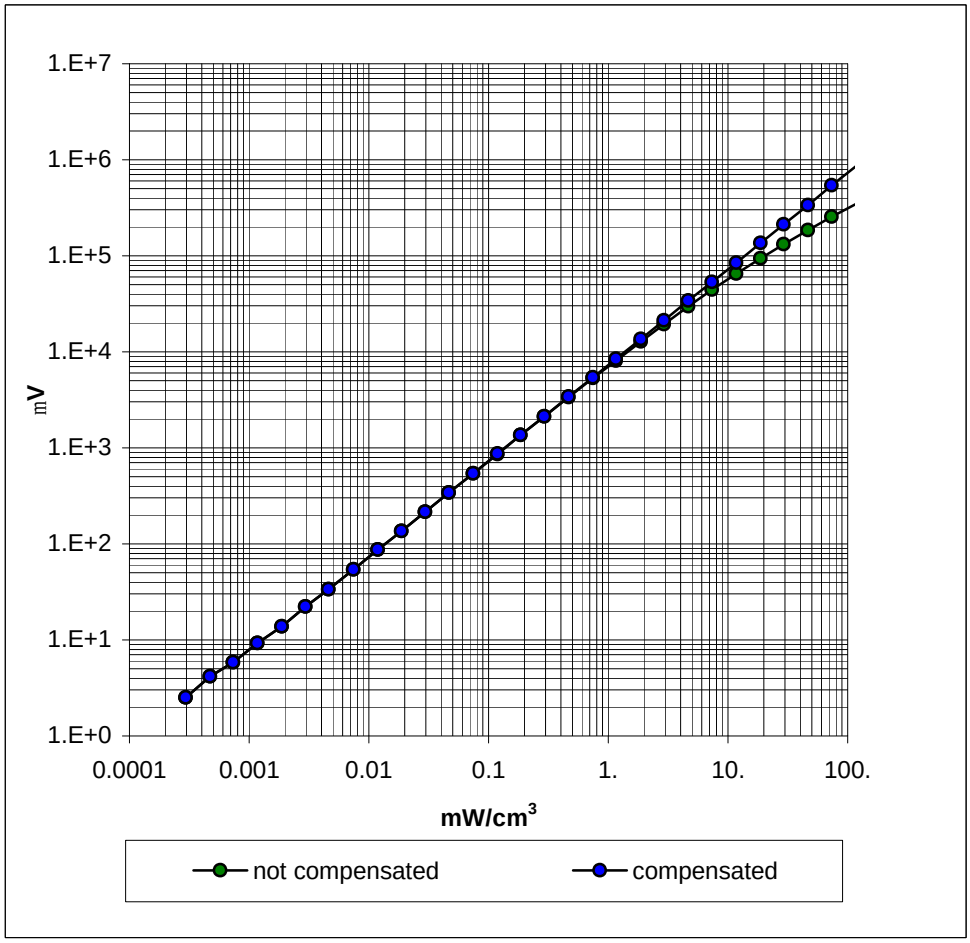
Frequency Response of E-Field

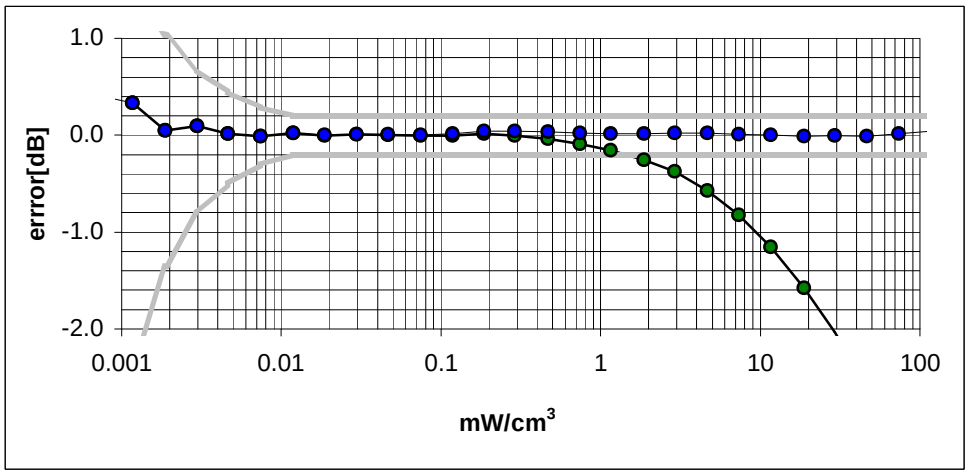
(TEM-Cell:ifi110, Waveguide R22)



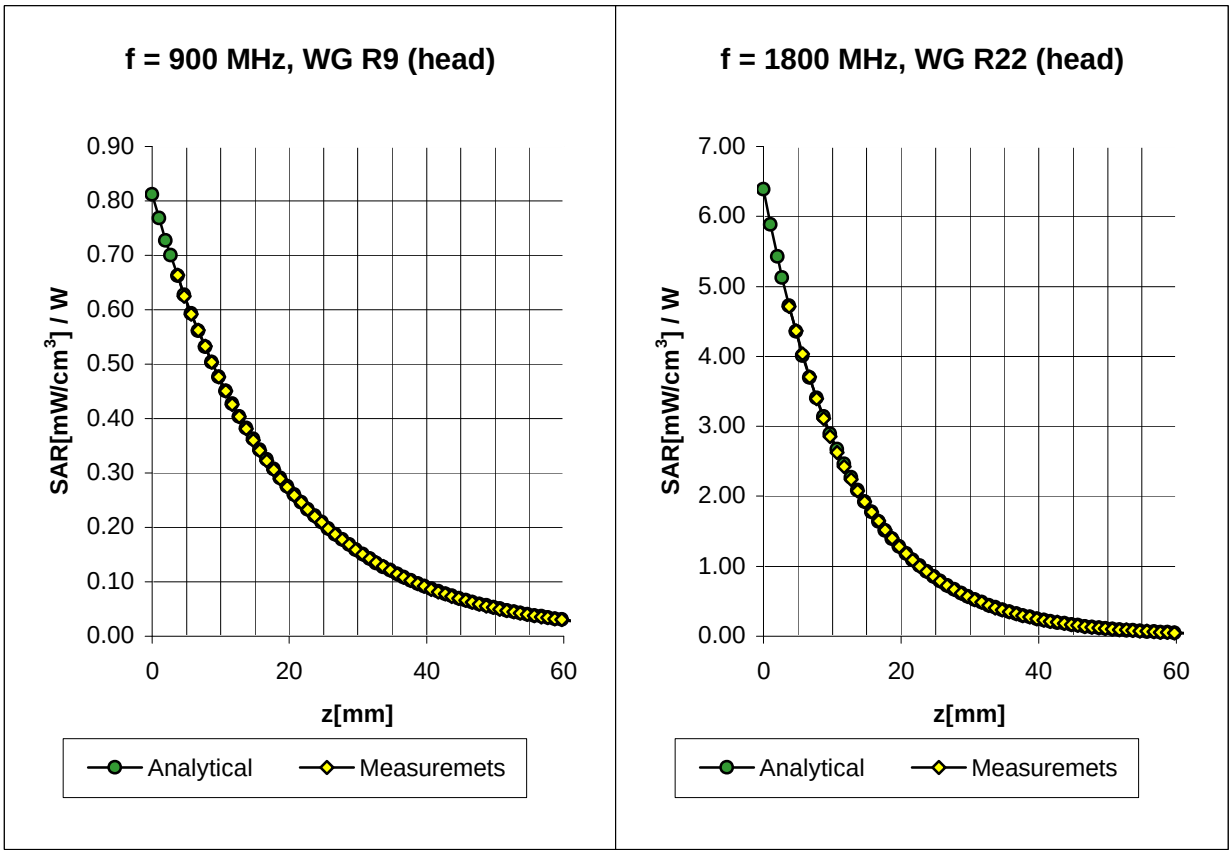
Dynamic Range f(SAR_{brain})

(TEM-Cell:ifi110)





Conversion Factor Assessment



Head **900 MHz** e_r **= 42 ± 5%** s **= 0.97 ± 10% mho/m**

ConvF X	**6.83** ± 7% (k=2)	Boundary effect:	
ConvF Y	**6.83** ± 7% (k=2)	Alpha	**0.37**
ConvF Z	**6.83** ± 7% (k=2)	Depth	**2.48**

Head **1800 MHz** e_r **= 40 ± 5%** s **= 1.40 ± 10% mho/m**

ConvF X	**5.78** ± 7% (k=2)	Boundary effect:	
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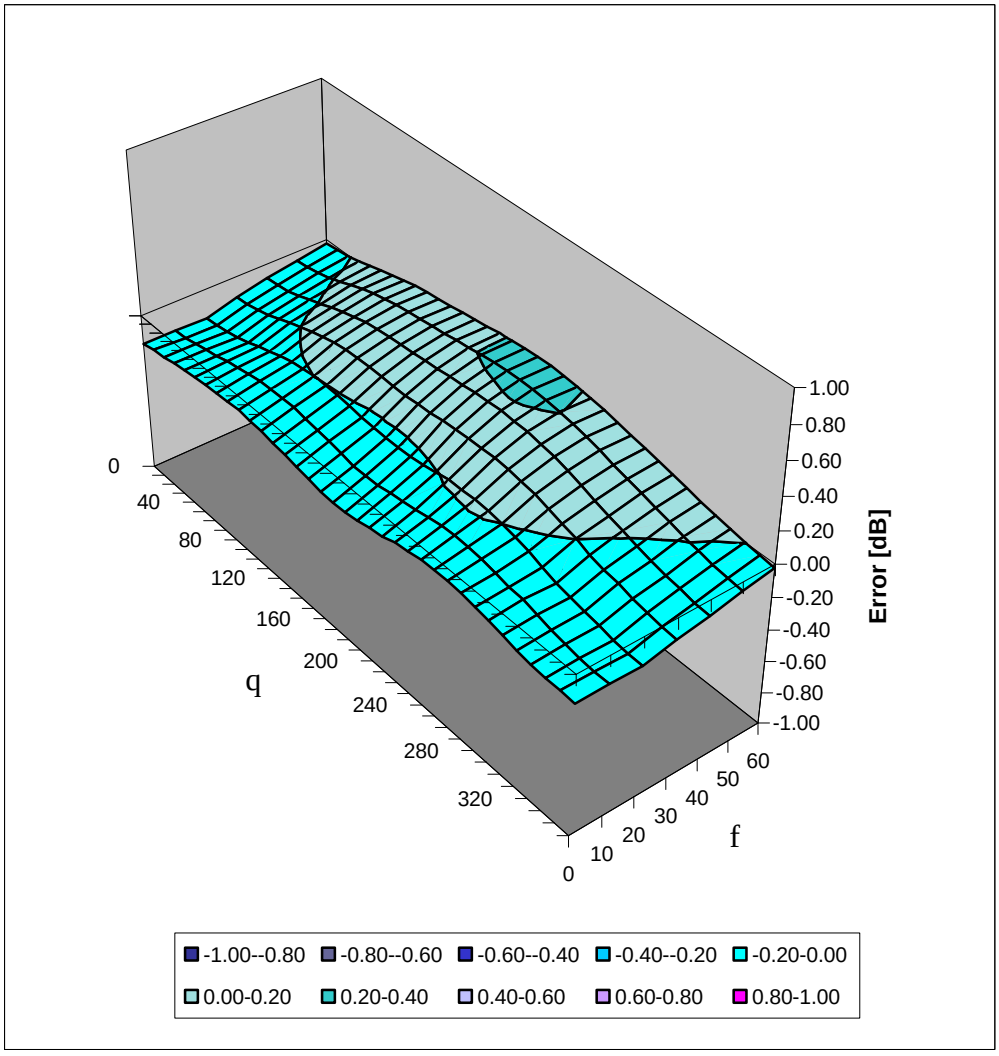
Deviation from Isotropy in HSL

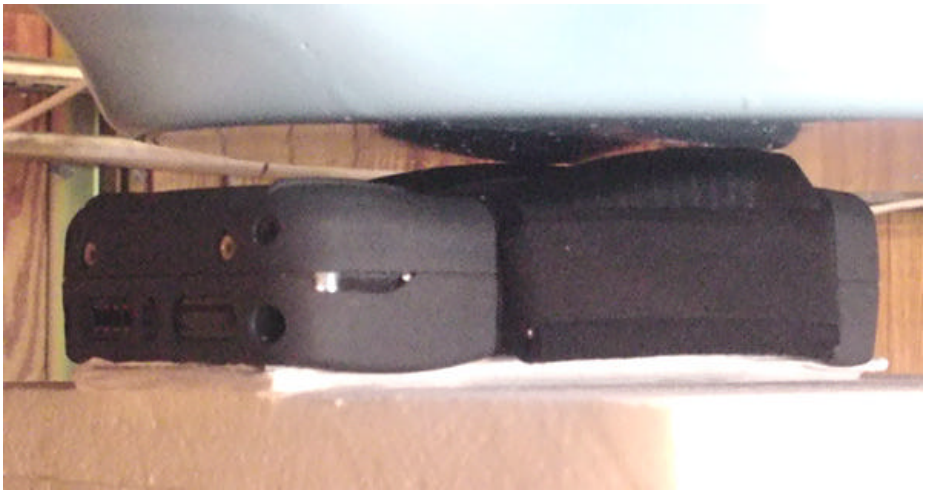
Error (q,f), f = 900 MHz

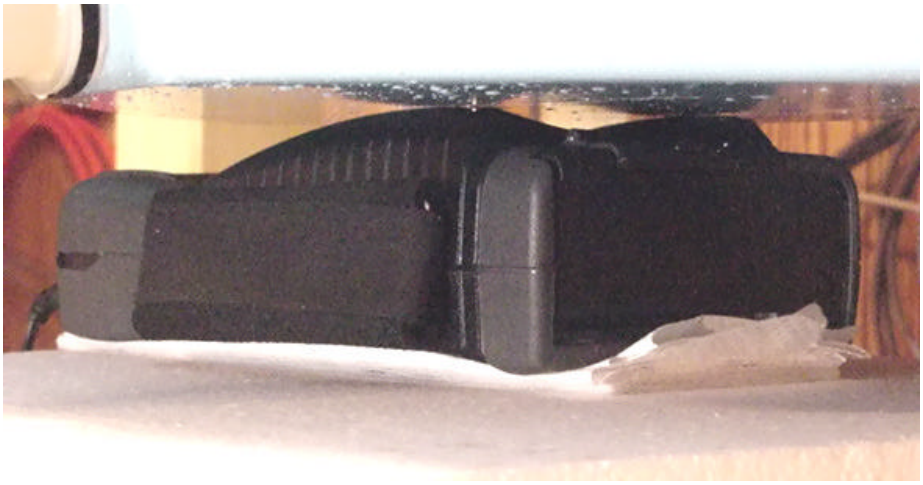


APPENDIX D - SAR TEST SETUP PHOTOGRAPHS

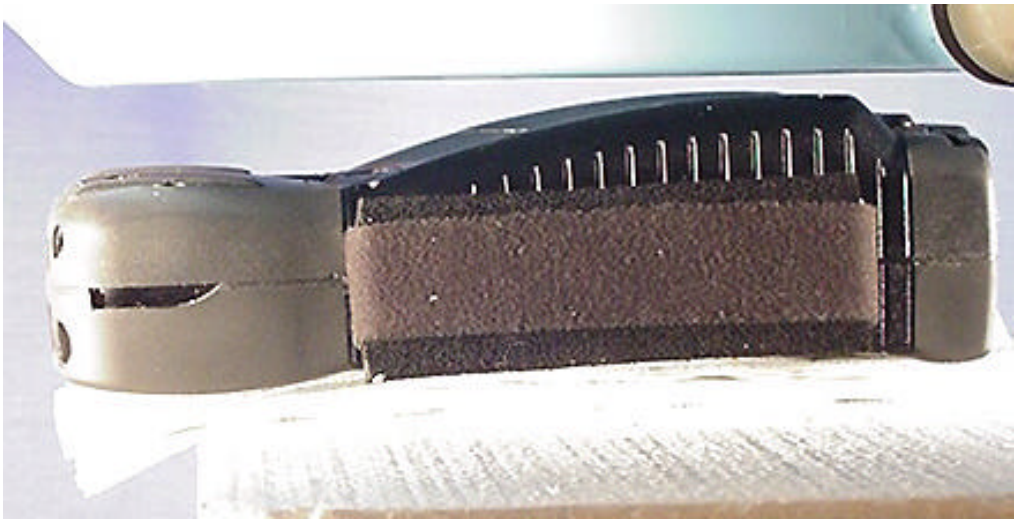
HAND & BODY SAR TEST SETUP PHOTOGRAPHS
Front of Handheld PC with 0.0cm Separation Distance

HAND SAR TEST SETUP PHOTOGRAPHS
Back of Handheld PC with 0.0cm Separation Distance





BODY SAR TEST SETUP PHOTOGRAPHS
Back of Handheld PC with 0.5cm Separation Distance



HAND & BODY SAR TEST SETUP PHOTOGRAPHS
Left Side of Handheld PC with 0.0cm Separation Distance
(permanent hand-strap touching phantom surface)

HAND & BODY SAR TEST SETUP PHOTOGRAPHS
Right Side of Handheld PC with 0.0cm Separation Distance

BODY SAR TEST SETUP PHOTOGRAPHS
Antenna Side of Handheld PC with 2.5cm Separation Distance