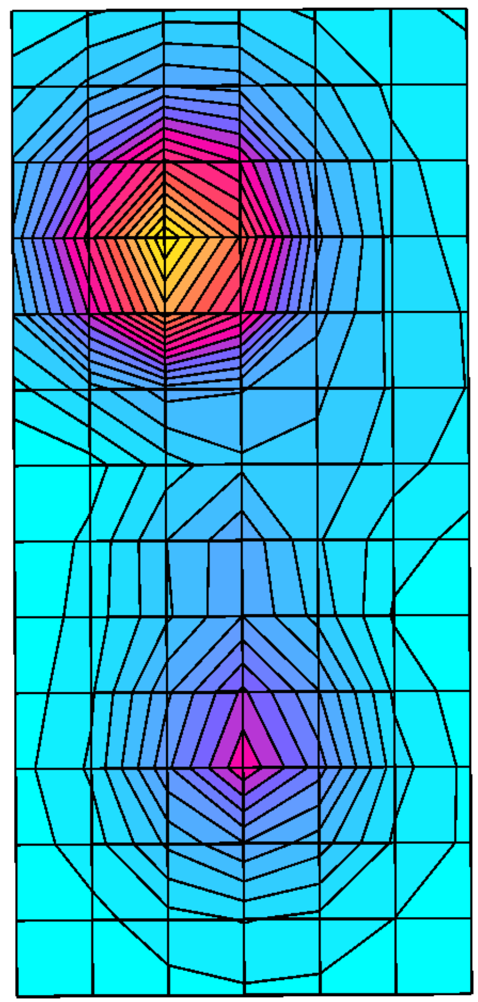
Appendix 3

SAR distribution plots for Body Worn Configuration

A8EE8925

Ch# 600 / Pwr Step: ALWAYS OUT
Antenna Position: EXT
Type of Modulation:1900 GSM
Battery Model #: SNN5723A
Accessory Model #:0188335Y01

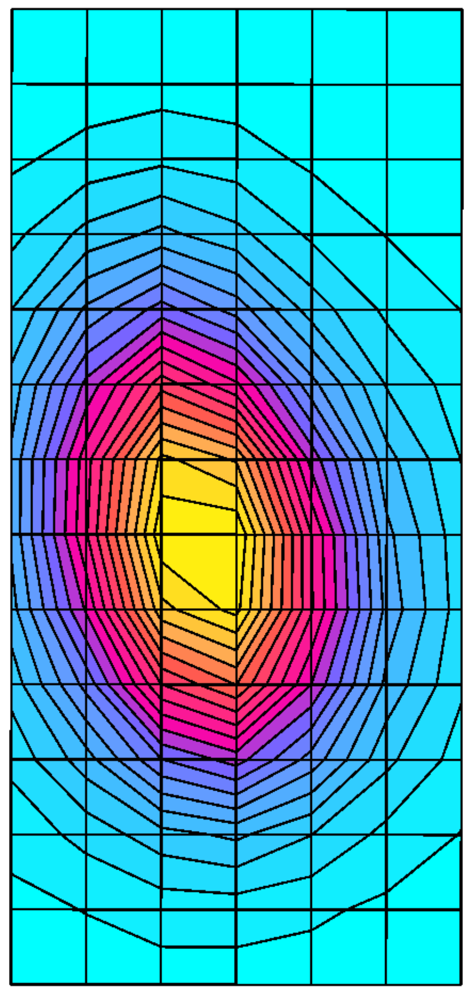
R1 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 2 Section; Position: (0°,0°); Frequency: 1880 MHz
Probe: ES3DV3 - SN3037 - FCC Body; ConvF(4.70,4.70,4.70); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.58 mho/m ε_r = 51.3 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.383 mW/g, SAR (10g): 0.233 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 10.8 (10.0, 11.9) [mm]
Powerdrift: -0.13 dB



A8EE8925

Ch# 384 / Pwr Step: 2 OTA
Antenna Position: EXT
Type of Modulation: 800 ANALOG
Battery Model #: SNN5723A
Accessory Model # = 0188336Y01 HOLSTER

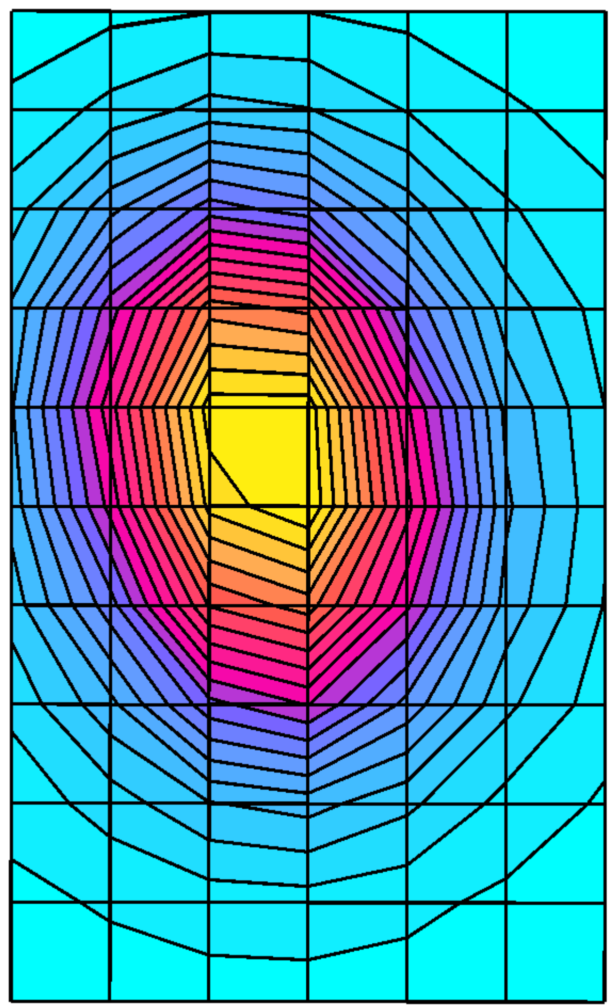
R1 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 1 Section; Position: (0°,0°); Frequency: 837 MHz
Probe: ES3DV3 - SN3037 - FCC Body; ConvF(5.90,5.90,5.90); Crest factor: 1.0; 835 MHz Head & Body: $\sigma = 0.98$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 0.339 mW/g, SAR (10g): 0.240 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 16.3 (15.5, 17.2) [mm]
Powerdrift: 0.07 dB



A8EE8925

Ch# 384 / Pwr Step: ALWAYS UP
Antenna Position: RET
Type of Modulation: 800 CDMA
Battery Model #: SNN5723A
Accessory Model # = 0188336Y01 HOLSTER

R1 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 1 Section; Position: (0°,0°); Frequency: 837 MHz
Probe: ES3DV3 - SN3037 - FCC Body; ConvF(5.90,5.90,5.90); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.98 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.351 mW/g, SAR (10g): 0.248 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 16.4 (14.2, 18.3) [mm]
Powerdrift: -0.00 dB

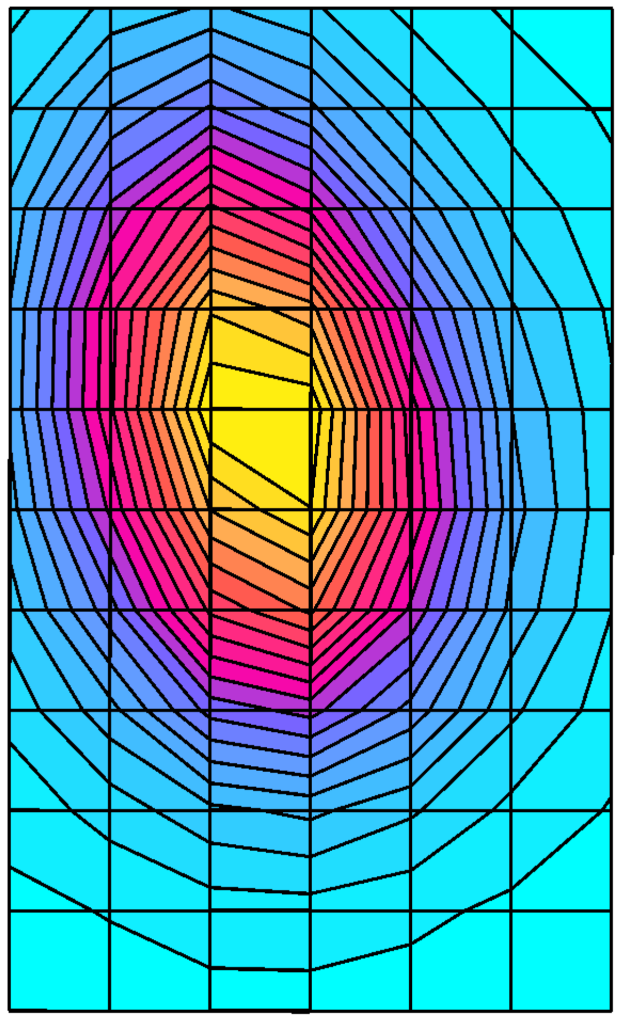


A8EE8925

Ch# 384 / Pwr Step: ALWAYS UP
Type of Modulation: 800 CDMA
Accessory Model # = 0188336Y01 HOLSTER

Antenna Position: EXT
Battery Model #: SNN5723A

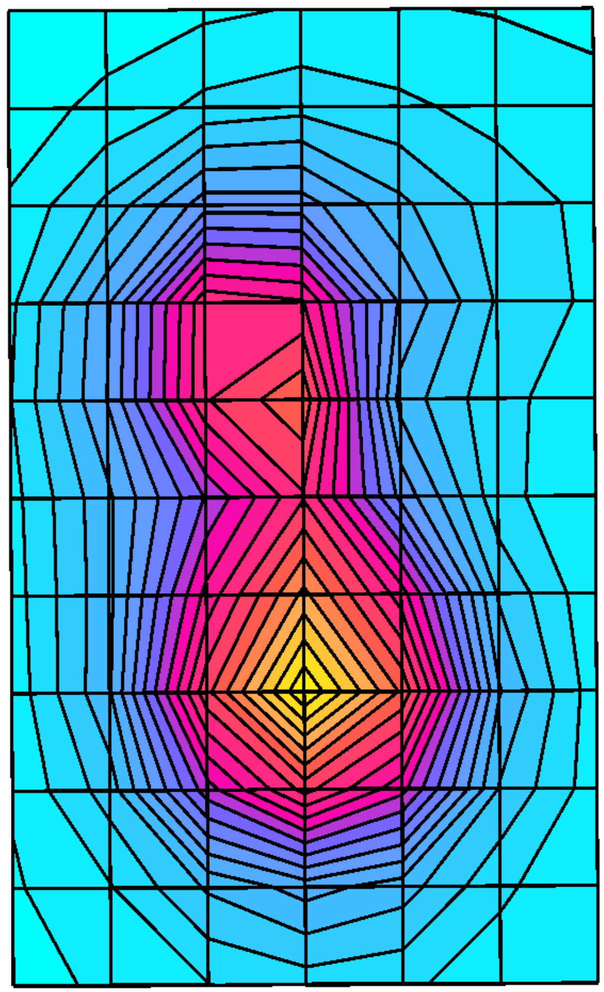
R1 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 1 Section; Position: (0°,0°); Frequency: 837 MHz
Probe: ES3DV3 - SN3037 - FCC Body; ConvF(5.90,5.90,5.90); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.98 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.345 mW/g, SAR (10g): 0.241 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 16.1 (14.4, 17.7) [mm]
Powerdrift: -0.05 dB



A8EE8925

Ch# 600 / Pwr Step: ALWAYS UP
Antenna Position: RET
Type of Modulation: 1900 CDMA
Battery Model #: SNN5723A
Accessory Model # = 0188336Y01 HOLSTER

R1 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 2 Section; Position: (0°,0°); Frequency: 1880 MHz
Probe: ES3DV3 - SN3037 - FCC Body; ConvF(4.70,4.70,4.70); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.59 mho/m ε_r = 51.4 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.638 mW/g, SAR (10g): 0.400 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 12.0 (11.2, 12.9) [mm]
Powerdrift: -0.11 dB

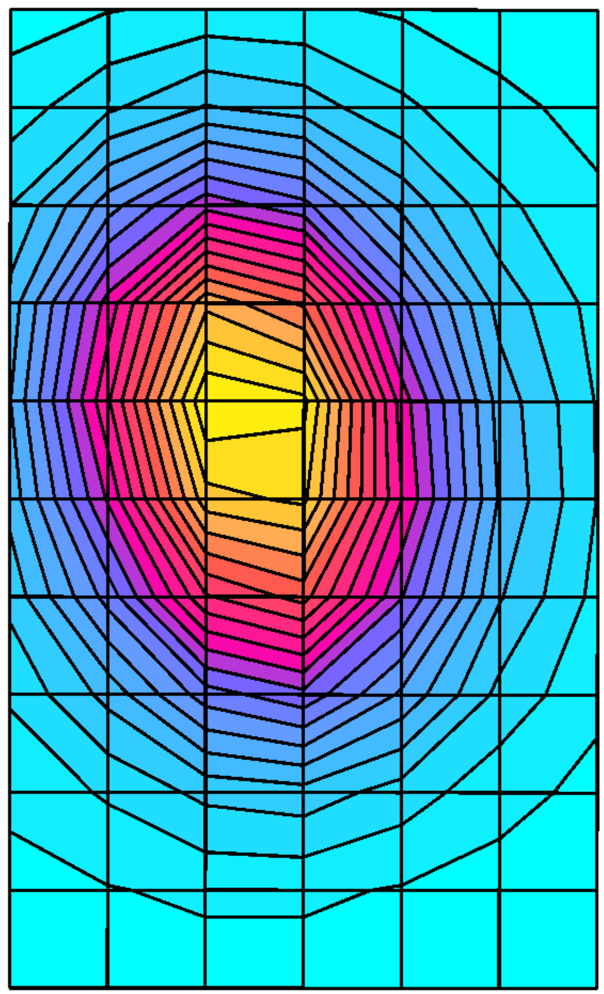


05/19/04 22:23

A8EE8925

Ch# 384 / Pwr Step: 2 OTA
Antenna Position: RET
Type of Modulation: 800 ANALOG
Battery Model #: SNN5723A
Accessory Model # = 0188336Y01 HOLSTER

R1 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 1 Section; Position: (0°,0°); Frequency: 837 MHz
Probe: ES3DV3 - SN3037 - FCC Body; ConvF(5.90,5.90,5.90); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.98 mho/m ϵ_r = 55.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.346 mW/g, SAR (10g): 0.245 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 16.4 (15.5, 17.4) [mm]
Powerdrift: -0.08 dB



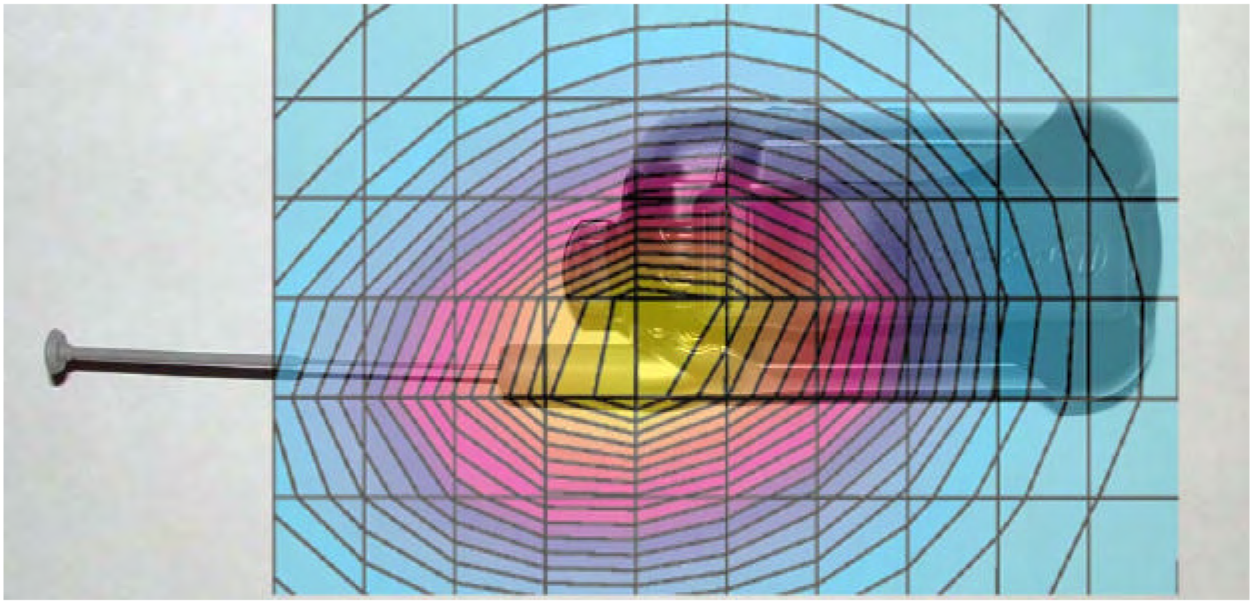


Figure 9.Typical 800 MHz Body-Worn Contour Overlaid on Phone with Antenna Extended

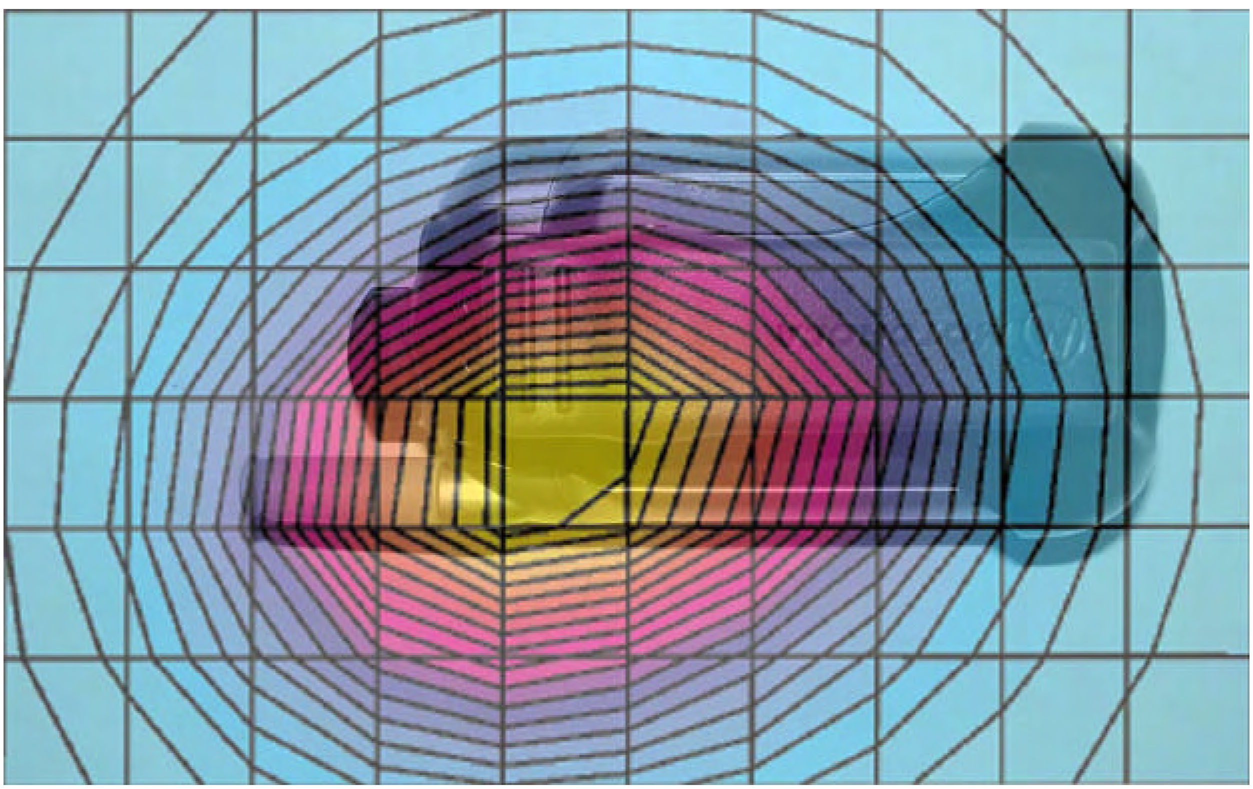


Figure 10. Typical 800 MHz Body-Worn Contour Overlaid on Phone with Antenna Retracted

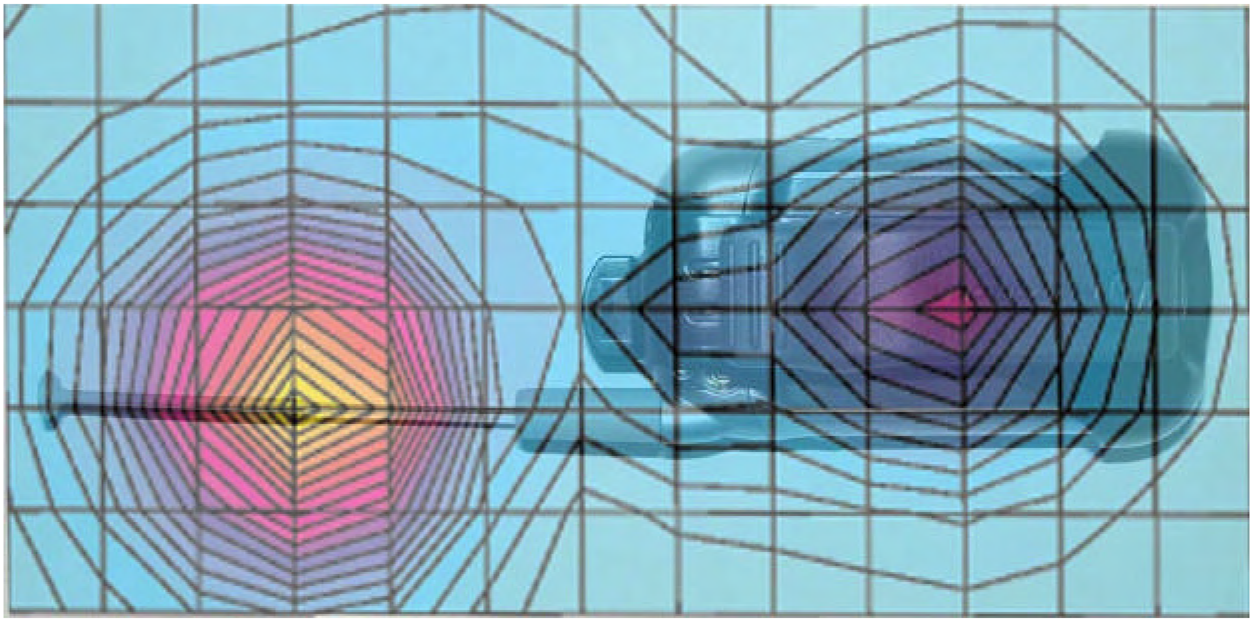


Figure 11.Typical 1900 MHz Body-Worn Contour Overlaid on Phone with Antenna Extended

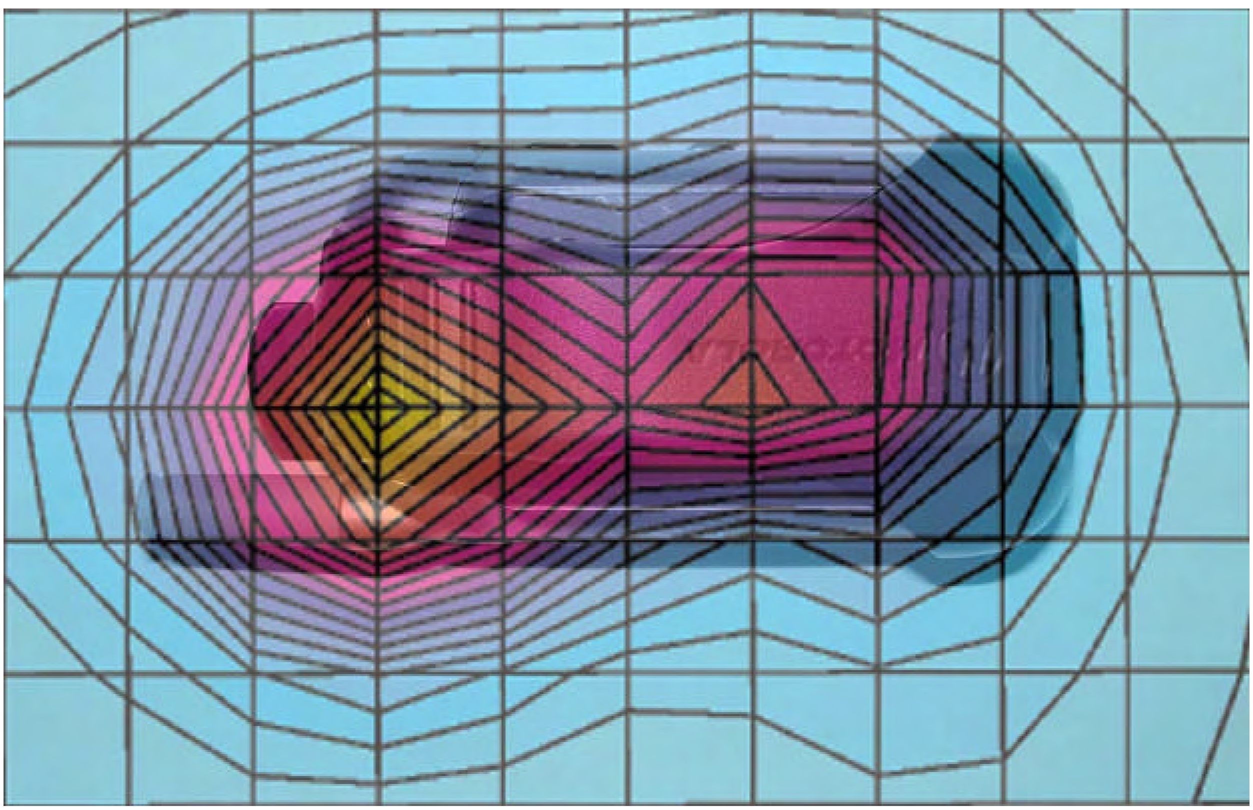


Figure 12.Typical 1900 MHz Body-Worn Contour Overlaid on Phone with Antenna Retracted

Appendix 4

Probe Calibration Certificate

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

Client Motorola MRO

CALIBRATION CERTIFICATE

Object(s)	ES3DV3 - SN:3037
Calibration procedure(s)	QA CAL-01.v2 Calibration procedure for dosimetric E-field probes
Calibration date:	October 10, 2003
Condition of the calibrated item	In Tolerance (according to the specific calibration document)

This calibration statement documents traceability of M&TE used in the calibration procedures and conformity of the procedures with the ISO/IEC 17025 international standard.

All calibrations have been conducted in the closed laboratory facility: environment temperature 22 +/- 2 degrees Celsius and humidity < 75%.

Calibration Equipment used (M&TE critical for calibration)

Model Type	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter EPM E4419B	GB41293874	2-Apr-03 (METAS, No 252-0250)	Apr-04
Power sensor E4412A	MY41495277	2-Apr-03 (METAS, No 252-0250)	Apr-04
Reference 20 dB Attenuator	SN: 5086 (20b)	3-Apr-03 (METAS No. 251-0340	Apr-04
Fluke Process Calibrator Type 702	SN: 6295803	8-Sep-03 (Sintrel SCS No. E-030020)	Sep-04
Power sensor HP 8481A	MY41092180	18-Sep-02 (Agilent, No. 20020918)	In house check: Oct 03
RF generator HP 8684C	US3642U01700	4-Aug-99 (SPEAG, in house check Aug-02)	In house check: Aug-05
Network Analyzer HP 8753E	US37390585	18-Oct-01 (Agilent, No. 24BR1033101)	In house check: Oct 03

	Name	Function	Signature
Calibrated by:	Katja Pokovic	Laboratory Director	
Approved by:	Fin Bomholt	R&D Director	

Date issued: October 10, 2003

This calibration certificate is issued as an intermediate solution until the accreditation process (based on ISO/IEC 17025 International Standard) for Calibration Laboratory of Schmid & Partner Engineering AG is completed.

Zeughausstrasse 43, 8004 Zurich, Switzerland
Phone +41 1 245 9700, Fax +41 1 245 9779
info@speag.com, http://www.speag.com

Probe ES3DV3

SN:3037

Manufactured: August 21, 2003
Last calibration: October 10, 2003

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

DASY - Parameters of Probe: ES3DV3 SN:3037

Sensitivity in Free Space

NormX	**1.13**	$\mu V/(V/m)^2$
NormY	**0.85**	$\mu V/(V/m)^2$
NormZ	**0.95**	$\mu V/(V/m)^2$

Diode Compression

DCP X	**100**	mV
DCP Y	**100**	mV
DCP Z	**100**	mV

Sensitivity in Tissue Simulating Liquid

Head **900 MHz** **ε_r = 41.5 ± 5%** **σ = 0.97 ± 5% mho/m**

Valid for f=800-1000 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

ConvF X	**6.1**	± 9.5% (k=2)	Boundary effect:	
ConvF Y	**6.1**	± 9.5% (k=2)	Alpha	**0.31**
ConvF Z	**6.1**	± 9.5% (k=2)	Depth	**1.75**

Head **1800 MHz** **ε_r = 40.0 ± 5%** **σ = 1.40 ± 5% mho/m**

Valid for f=1710-1910 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	**0.24**
ConvF Z	**4.9**	± 9.5% (k=2)	Depth	**2.68**

Boundary Effect

Head **900 MHz** **Typical SAR gradient: 5 % per mm**

Probe Tip to Boundary	**1 mm**	**2 mm**
SAR_{be} [%] Without Correction Algorithm	6.0	3.0
SAR_{be} [%] With Correction Algorithm	0.1	0.3

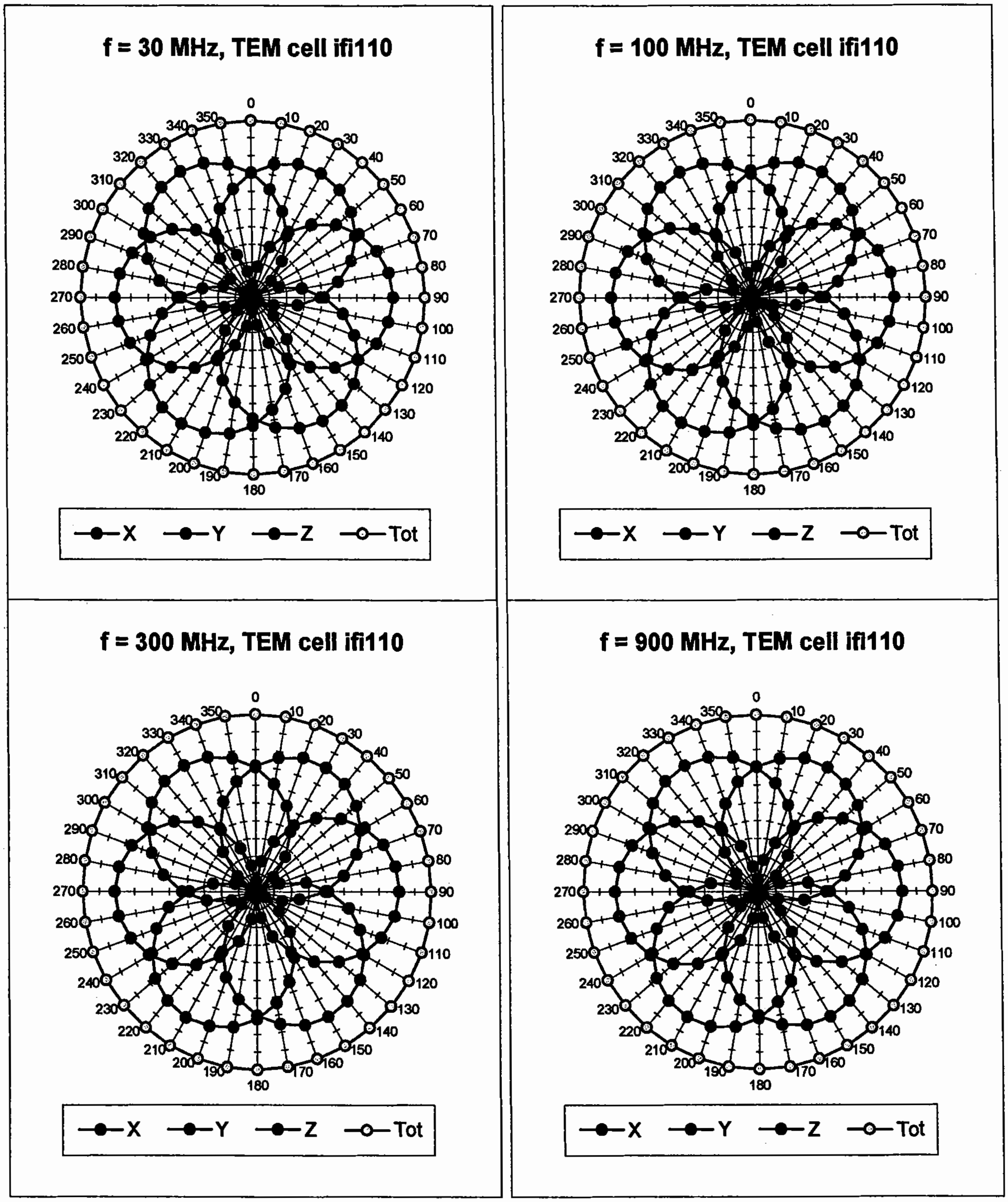
Head **1800 MHz** **Typical SAR gradient: 10 % per mm**

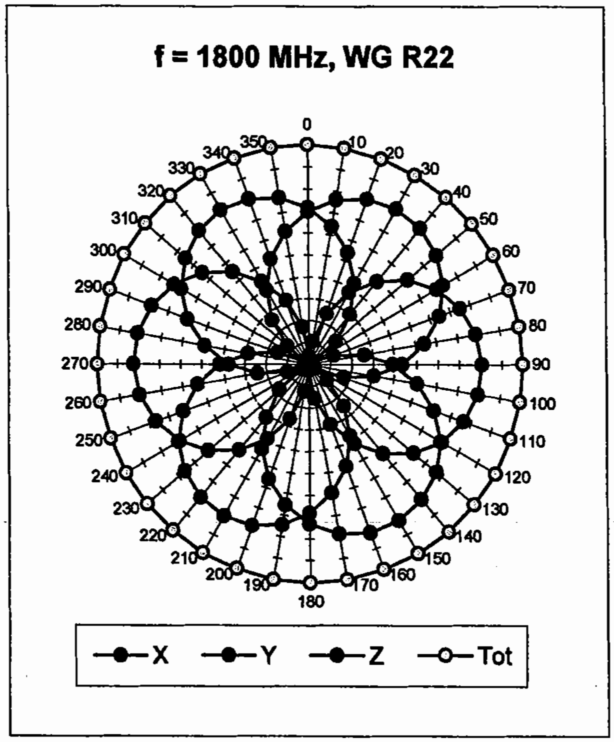
Probe Tip to Boundary	**1 mm**	**2 mm**
SAR_{be} [%] Without Correction Algorithm	8.5	5.5
SAR_{be} [%] With Correction Algorithm	0.1	0.2

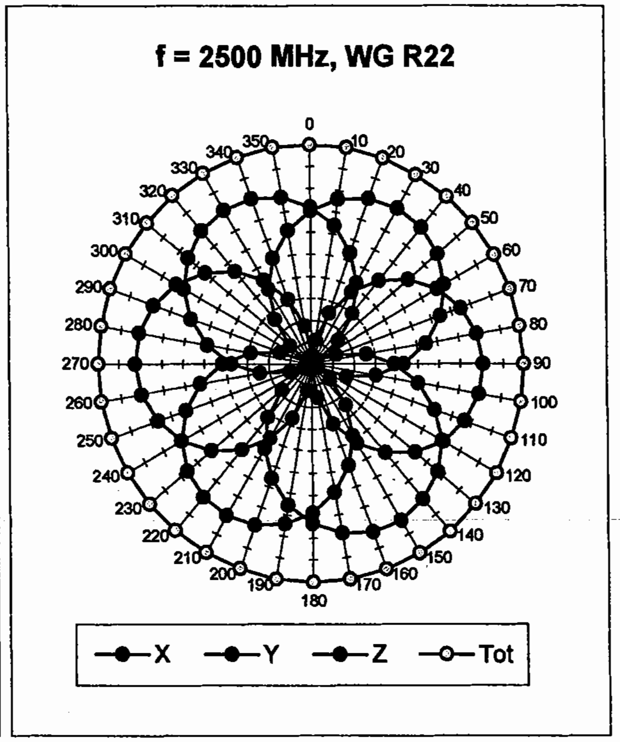
Sensor Offset

Probe Tip to Sensor Center	**2.0**	mm

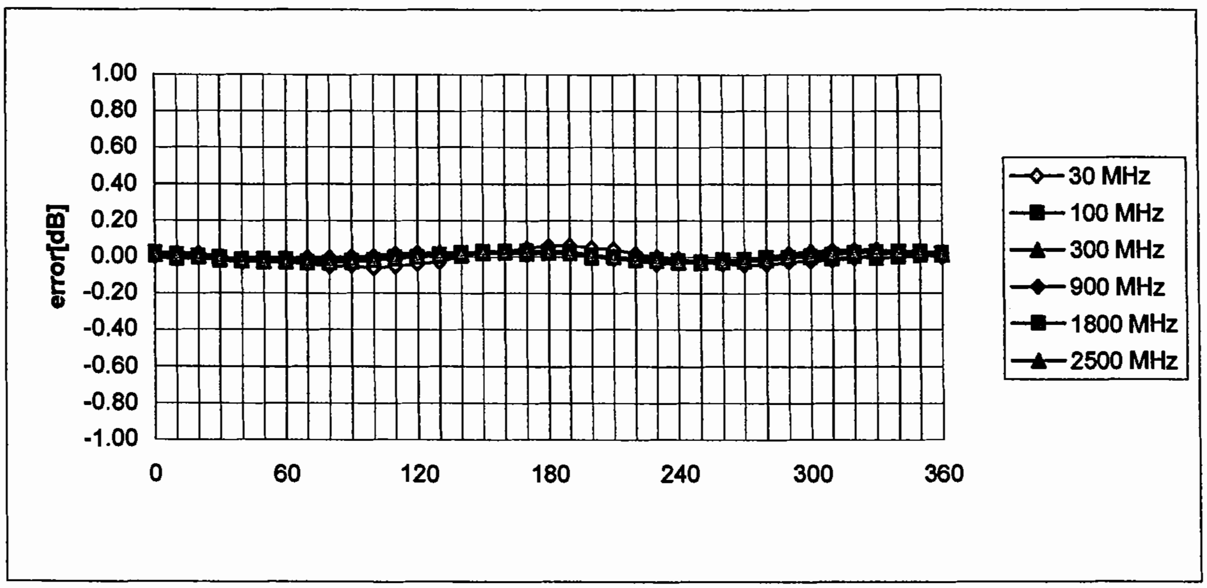
Receiving Pattern (ϕ , θ = 0°





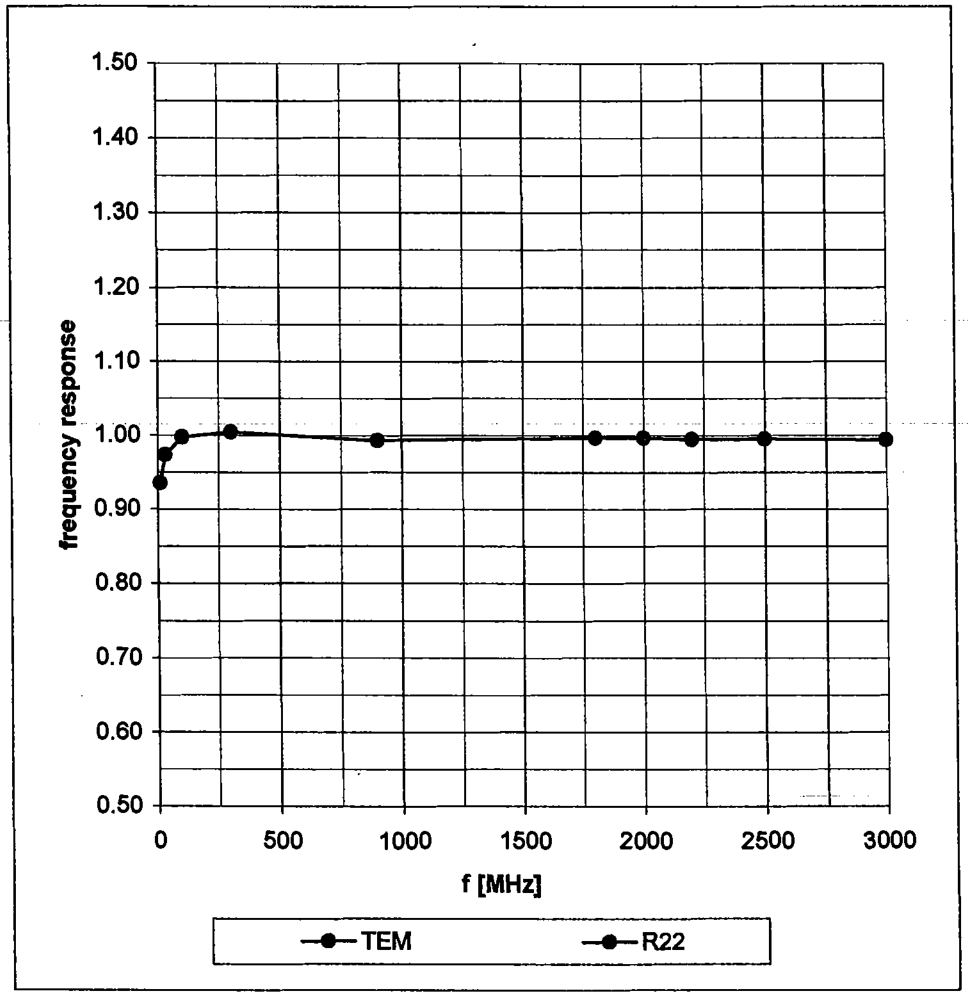


Isotropy Error (ϕ), θ = 0°



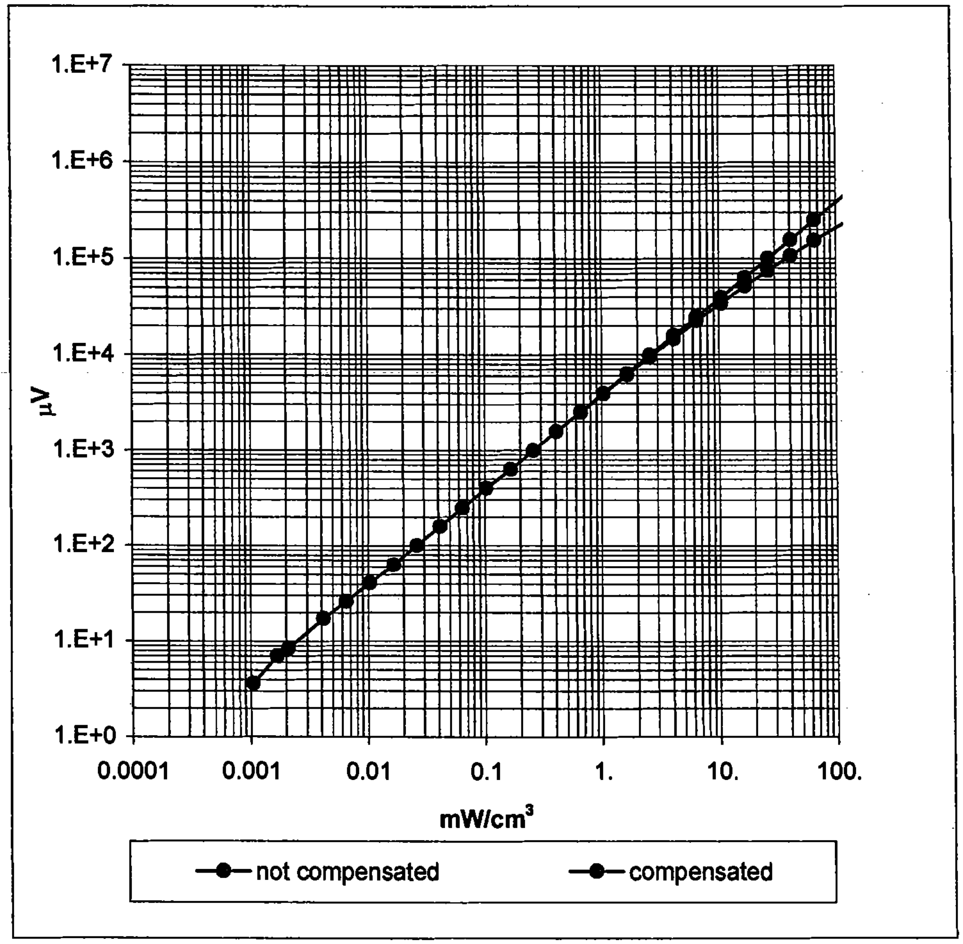
Frequency Response of E-Field

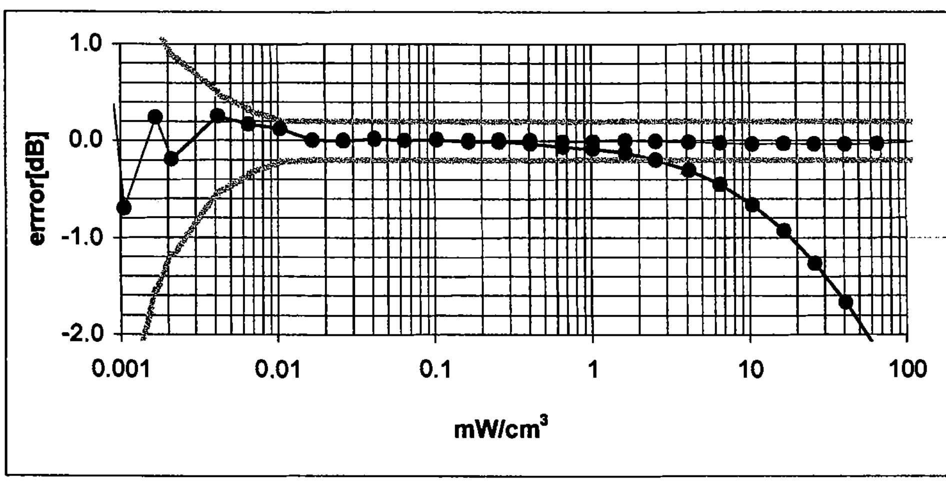
(TEM-Cell:ifi110, Waveguide R22)



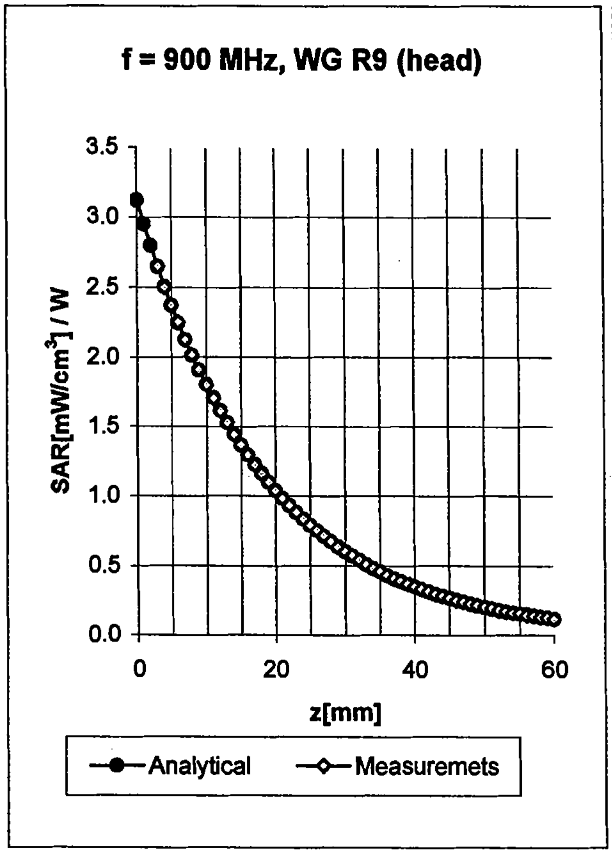
Dynamic Range f(SAR_{brain})

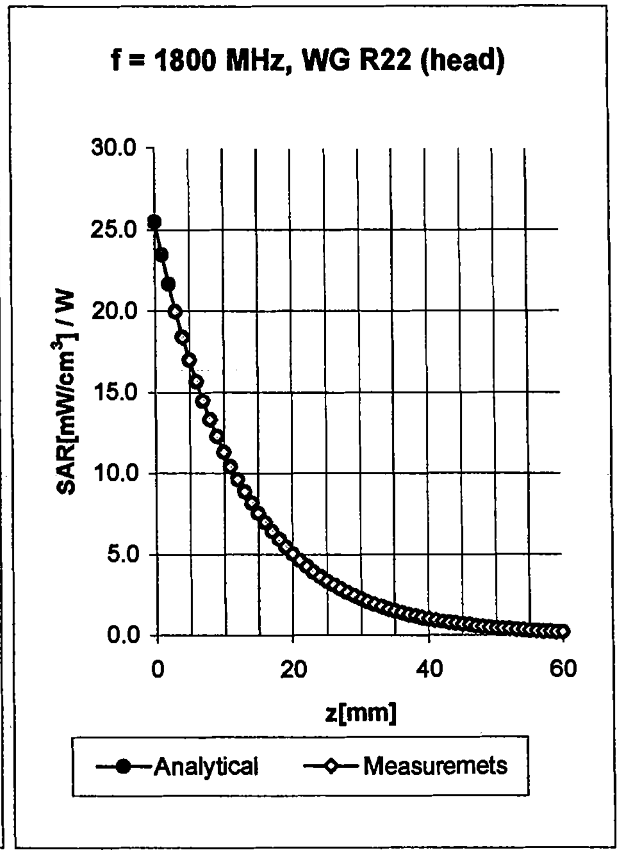
(Waveguide R22)





Conversion Factor Assessment





Head **900 MHz** $\varepsilon_r = 41.5 \pm 5\%$ $\sigma = 0.97 \pm 5\%$ **mho/m**

Valid for f=800-1000 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

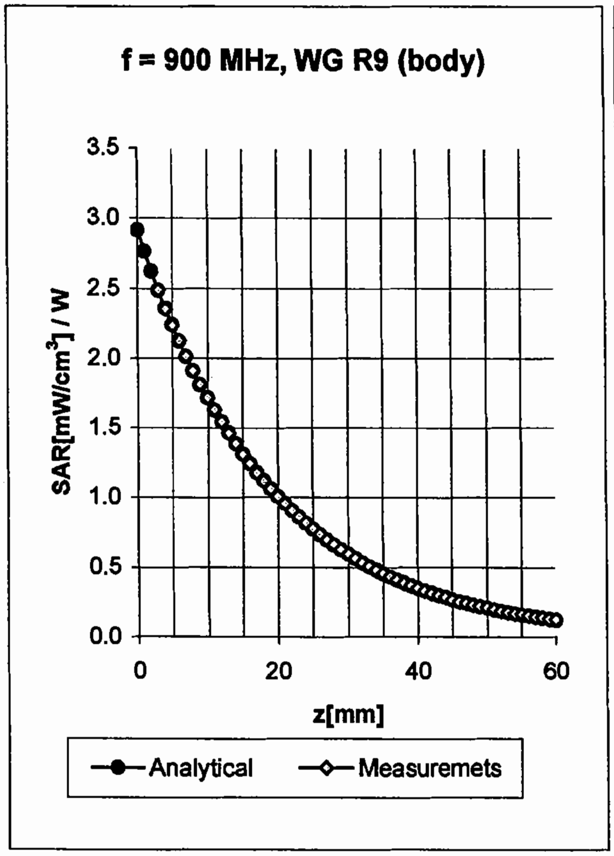
ConvF X	**6.1**	± 9.5% (k=2)	Boundary effect:	
ConvF Y	**6.1**	± 9.5% (k=2)	Alpha	**0.31**
ConvF Z	**6.1**	± 9.5% (k=2)	Depth	**1.75**

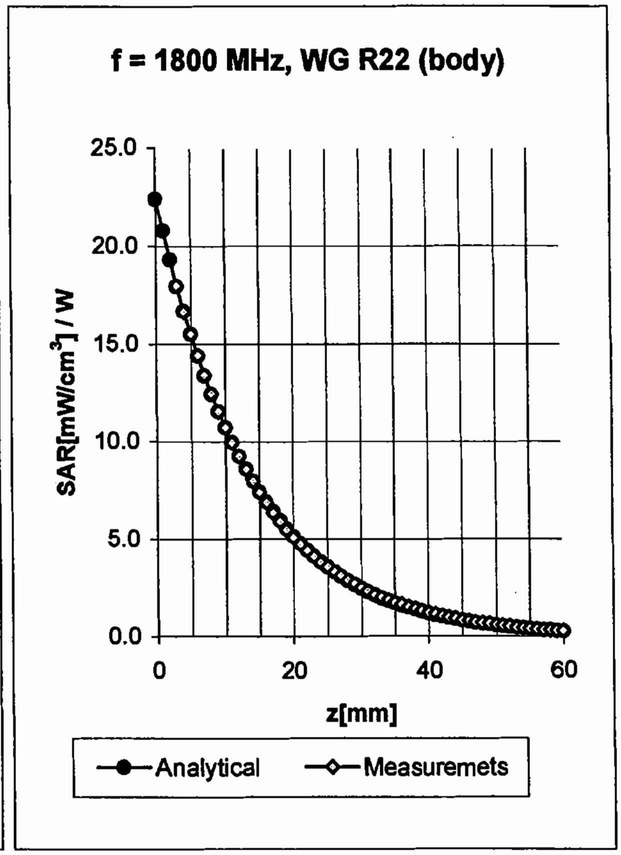
Head **1800 MHz** $\varepsilon_r = 40.0 \pm 5\%$ $\sigma = 1.40 \pm 5\%$ **mho/m**

Valid for f=1710-1910 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	**0.24**
ConvF Z	**4.9**	± 9.5% (k=2)	Depth	**2.68**

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

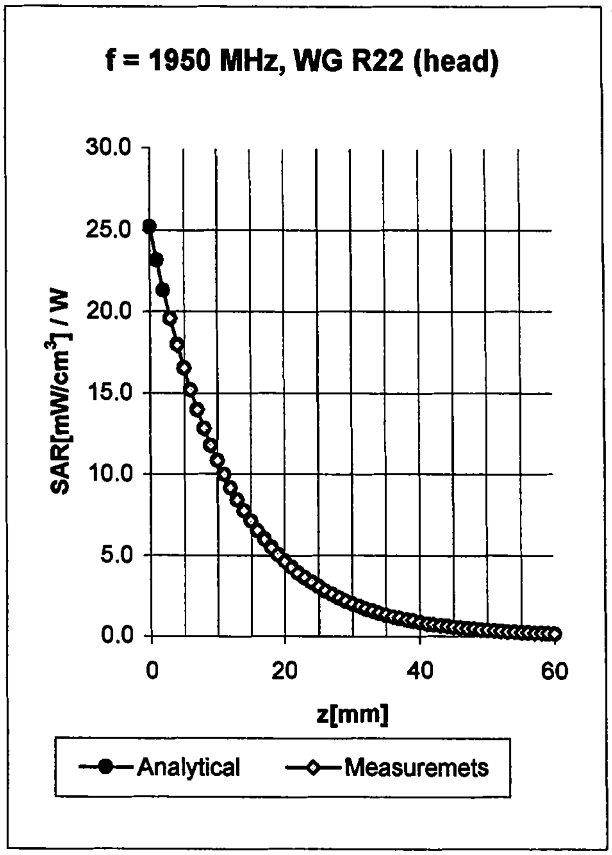
ConvF X	**5.9**	± 9.5% (k=2)	Boundary effect:	
ConvF Y	**5.9**	± 9.5% (k=2)	Alpha	**0.29**
ConvF Z	**5.9**	± 9.5% (k=2)	Depth	**1.91**

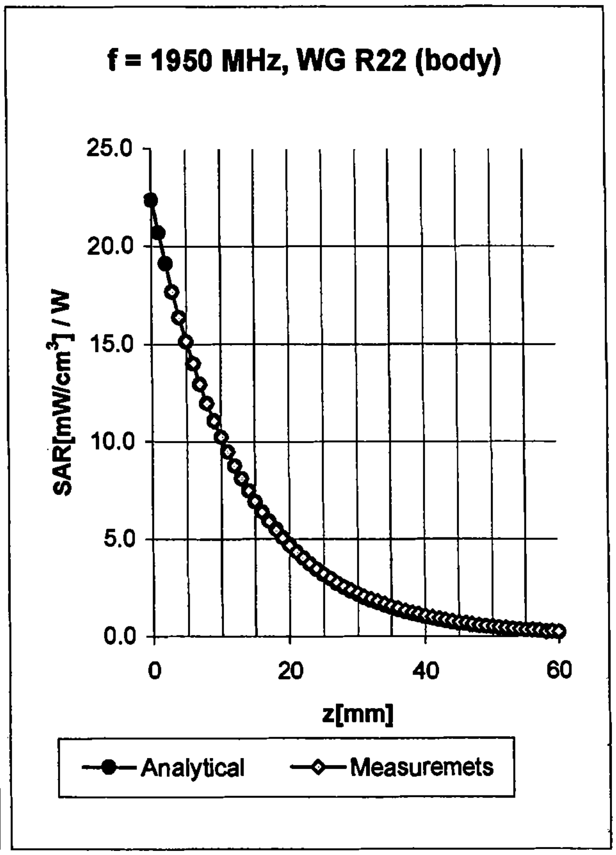
Body **1800 MHz** ε_r **= 53.3 ± 5%** σ **= 1.52 ± 5% mho/m**

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

ConvF X	**4.7**	± 9.5% (k=2)	Boundary effect:	
ConvF Y	**4.7**	± 9.5% (k=2)	Alpha	**0.25**
ConvF Z	**4.7**	± 9.5% (k=2)	Depth	**2.80**

Conversion Factor Assessment





Head **1950 MHz** **ε_r = 40.0 ± 5%** **σ = 1.40 ± 5% mho/m**

Valid for f=1900-2000 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

ConvF X	**4.7**	± 9.5% (k=2)	Boundary effect:	
ConvF Y	**4.7**	± 9.5% (k=2)	Alpha	**0.28**
ConvF Z	**4.7**	± 9.5% (k=2)	Depth	**2.26**

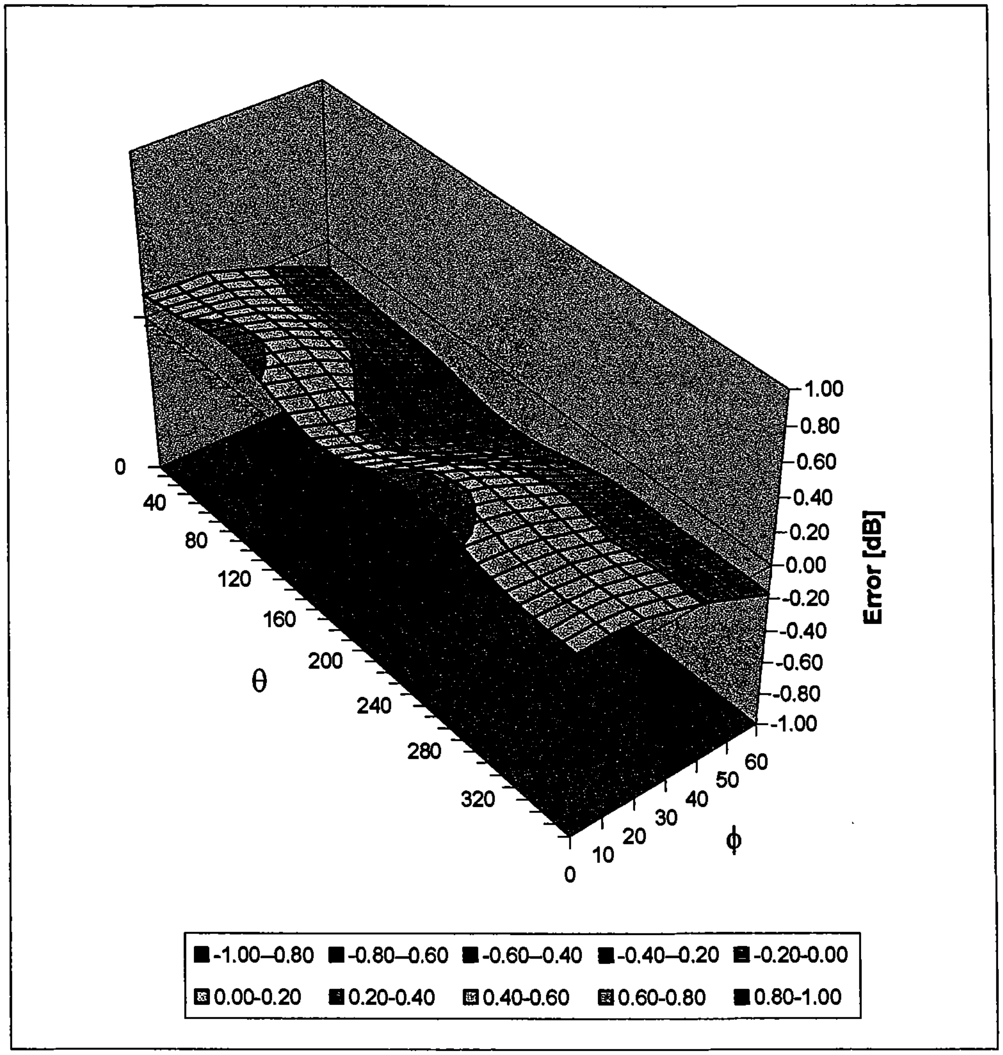
Body **1950 MHz** **ε_r = 53.3 ± 5%** **σ = 1.52 ± 5% mho/m**

Valid for f=1900-2000 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

ConvF X	**4.5**	± 9.5% (k=2)	Boundary effect:	
ConvF Y	**4.5**	± 9.5% (k=2)	Alpha	**0.31**
ConvF Z	**4.5**	± 9.5% (k=2)	Depth	**2.24**

Deviation from Isotropy in HSL

Error (θϕ), f = 900 MHz



Appendix 5

Dipole Characterization Certificate

Certification of System Performance Check Targets

Based on APP-0396

-Historical Data-

	835MHz	900MHz	1800MHz	1900MHz	
IEEE1528 Target: Advanced Extrapolation	9.5	10.8	38.1	39.7	**(W/kg)**
Measurement Uncertainty (k=1):	9.0%	9.0%	9.0%	9.0%	
Measurement Period:	*1-July-03 to 1-Apr-04*	*1-July-03 to 1-Apr-04*	*1-July-03 to 1-Apr-04*	*1-July-03 to 1-Apr-04*	
# of tests performed:	214	1148	1135	62	
Grand Average: Worst Case Extrapolation	10.0	11.4	40.7	42.0	**(W/kg)**
% Delta (Average - IEEE1528 Target)	5.3%	5.6%	6.8%	5.8%	
Is % Delta <= Measurement Uncertainty?	**Yes**	**Yes**	**Yes**	**Yes**	
Accept/Reject Average as new system performance check target?	**ACCEPT**	**ACCEPT**	**ACCEPT**	**ACCEPT**	
	Applicable 835MHz Dipole Serial Numbers:	**Applicable 900MHz Dipole Serial Numbers:**	**Applicable 1800MHz Dipole Serial Numbers:**	**Applicable 1900Mhz Dipole Serial Numbers:**	
	420(TR), 421(TR)	77, 78	246(TR), 250(TR)	514(TR), 518(TR)	
	422(TR), 423(TR)	79, 80	251(TR), 258(TR)	519(TR), 520(TR)	
	424(TR), 425(TR)	91, 92	259(TR), 262(TR)	523(TR), 524(TR)	
	431(TR), 432(TR)	93, 94	263(TR), 271(TR)	526(TR), 527(TR)	
	433(TR), 434(TR)	95, 96	272(TR), 273(TR)	528(TR), 529(TR)	
	436(TR)	97, 55	276(TR), 277(TR)	530(TR), 533(TR)	
			279(TR), 280(TR)		
			281(TR), 282(TR)		
			283(TR), 284(TR)		

-New System Performance Check Targets- per APP-0396

(based on analysis of historical data)

Frequency	SAR Target (W/kg)	Permittivity	Conductivity (S/m)
835MHz	**10.0**	41.5 ± 5%	0.90 ± 5%
900MHz	**11.4**	41.5 ± 5%	0.97 ± 5%
1800MHz	**40.7**	40.0 ± 5%	1.40 ± 5%
1900MHz	**42.0**	40.0 ± 5%	1.40 ± 5%

-Approvals-

Submitted by: Marge Kaunas Date: 2-Apr-04

Signed: Marge Kaunas

Comments: Spreadsheet detailing all historical measurements available upon request.

Approved by: Mark Douglas **Date:** 2-Apr-04

Signed: Mark Douglas

Comments: Targets and associated simulant properties are derived from the IEEE 1528 standard.

Appendix 6

Measurement Uncertainty Budget

Uncertainty Budget for Device Under Test

a	b	c	d	e = f(d,k)	f	g	h = c x f / e	i = c x g / e	k
Uncertainty Component	Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i (1 g)	c_i (10 g)	1 g u_i (±%)	10 g u_i (±%)	v_i
Measurement System									
Probe Calibration	E.2.1	9.5	N	2.00	1	1	4.8	4.8	∞
Axial Isotropy	E.2.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Spherical Isotropy	E.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3	5.8	R	1.73	1	1	3.3	3.3	∞
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	1.0	N	1.00	1	1	1.0	1.0	∞
Response Time	E.2.7	0.8	R	1.73	1	1	0.5	0.5	∞
Integration Time	E.2.8	1.3	R	1.73	1	1	0.8	0.8	∞
RF Ambient Conditions	E.6.1	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.3	R	1.73	1	1	0.2	0.2	∞
Probe Positioning with respect to Phantom Shell	E.6.3	1.1	R	1.73	1	1	0.6	0.6	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E.5	3.9	R	1.73	1	1	2.3	2.3	∞
Test sample Related									
Test Sample Positioning	E.4.2	3.6	N	1.00	1	1	3.6	3.6	29
Device Holder Uncertainty	E.4.1	2.8	N	1.00	1	1	2.8	2.8	8
Output Power Variation - SAR drift measurement	6.6.2	5.0	R	1.73	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (shape and thickness tolerances)	E.3.1	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity - deviation from target values	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Conductivity - measurement uncertainty	E.3.3	10.0	R	1.73	0.64	0.43	3.7	2.5	∞
Liquid Permittivity - deviation from target values	E.3.2	10.0	R	1.73	0.6	0.49	3.5	2.8	∞
Liquid Permittivity - measurement uncertainty	E.3.3	5.0	R	1.73	0.6	0.49	1.7	1.4	∞
Combined Standard Uncertainty			RSS				11.72	11.09	1363
Expanded Uncertainty (95% CONFIDENCE LEVEL)			*k* =2				22.98	21.75	

Uncertainty Budget for System Performance Check (dipole & flat phantom)

a	*b*	*c*	*d*	*e = f(d,k)*	*f*	*g*	*h = c x f / e*	*i = c x g / e*	*k*
Uncertainty Component	Sec.	**Tol. (± %)**	**Prob. Dist.**	**Div.**	c_i **(1 g)**	c_i **(10 g)**	**1 g** u_i **(±%)**	**10 g** u_i **(±%)**	v_i
Measurement System									
Probe Calibration	E.2.1	9.5	N	2.00	1	1	4.8	4.8	∞
Axial Isotropy	E.2.2	4.7	R	1.73	1	1	2.7	2.7	∞
Spherical Isotropy	E.2.2	9.6	R	1.73	0	0	0.0	0.0	∞
Boundary Effect	E.2.3	5.8	R	1.73	1	1	3.3	3.3	∞
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	1.0	N	1.00	1	1	1.0	1.0	∞
Response Time	E.2.7	0.0	R	1.73	1	1	0.0	0.0	∞
Integration Time	E.2.8	0.0	R	1.73	1	1	0.0	0.0	∞
RF Ambient Conditions	E.6.1	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.3	R	1.73	1	1	0.2	0.2	∞
Probe Positioning with respect to Phantom Shell	E.6.3	1.1	R	1.73	1	1	0.6	0.6	∞
Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation	E.5	3.9	R	1.73	1	1	2.3	2.3	∞
Dipole									
Dipole Axis to Liquid Distance	8, E.4.2	1.0	R	1.73	1	1	0.6	0.6	∞
Input Power and SAR Drift Measurement	8, 6.6.2	4.7	R	1.73	1	1	2.7	2.7	∞
Phantom and Tissue Parameters									
Phantom Uncertainty (shape and thickness tolerances)	E.3.1	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity - deviation from target values	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Conductivity - measurement uncertainty	E.3.3	10.0	R	1.73	0.64	0.43	3.7	2.5	∞
Liquid Permittivity - deviation from target values	E.3.2	10.0	R	1.73	0.6	0.49	3.5	2.8	∞
Liquid Permittivity - measurement uncertainty	E.3.3	5.0	R	1.73	0.6	0.49	1.7	1.4	∞
Combined Standard Uncertainty			RSS				10.16	9.43	99999
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				19.92	18.48	

Appendix 7

Photographs of the device under test

Figure 13.Front of Phone with Antenna Retracted

Figure 14.Front of Phone with Antenna Extended

Figure 15.Back of Phone with Antenna Retracted

Figure 16.Back of Phone with Antenna Extended

Figure 17.Open Phone with Antenna Retracted

Figure 18.Open Phone with Antenna Extended

Figure 19. Side View; Phone in 0188335Y01 with Antenna Retracted

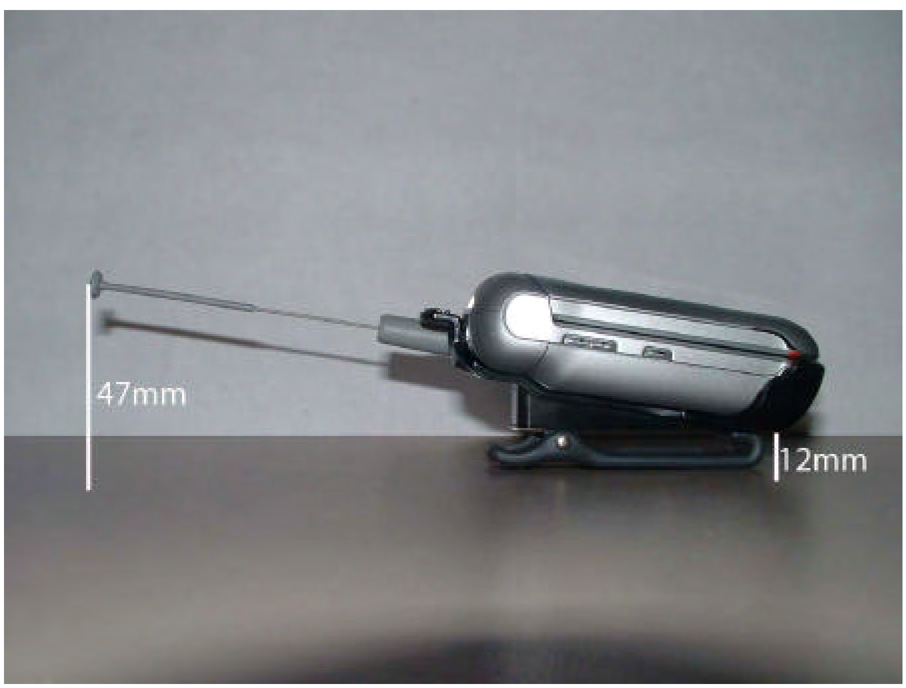


Figure 20. Side View; Phone in 0188335Y01 with Antenna Extended

Figure 21. Phone Against the Head with Antenna Retracted (Front View – Cheek Touch)

Figure 22. Phone Against the Head with Antenna Retracted (Back View – Cheek Touch)

Figure 23. Phone Against the Head with Antenna Extended (Front View – Cheek Touch)

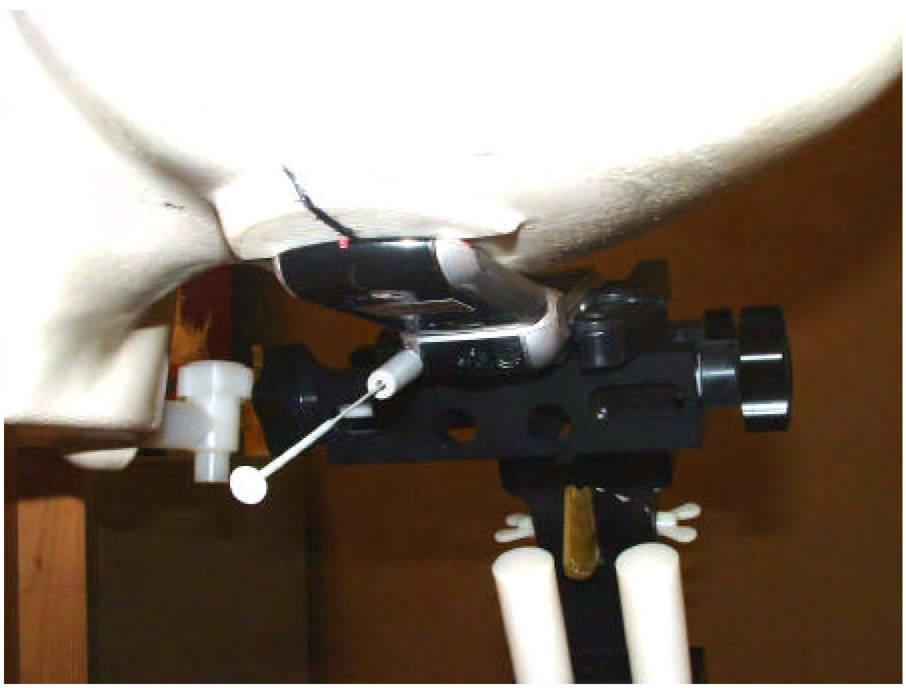


Figure 24. Phone Against the Head with Antenna Extended (Back View – Cheek Touch)

Figure 25. Phone Against the Head with Antenna Retracted (Front View – 15°Tilt)

Figure 26. Phone Against the Head with Antenna Retracted (Back View – 15°Tilt)

Figure 27. Phone Against the Head with Antenna Extended (Front View – 15°Tilt)

Figure 28. Phone Against the Head with Antenna Extended (Back View – 15°Tilt)

Figure 29. Phone in 0188335Y01 Against the Flat Phantom with Antenna Retracted

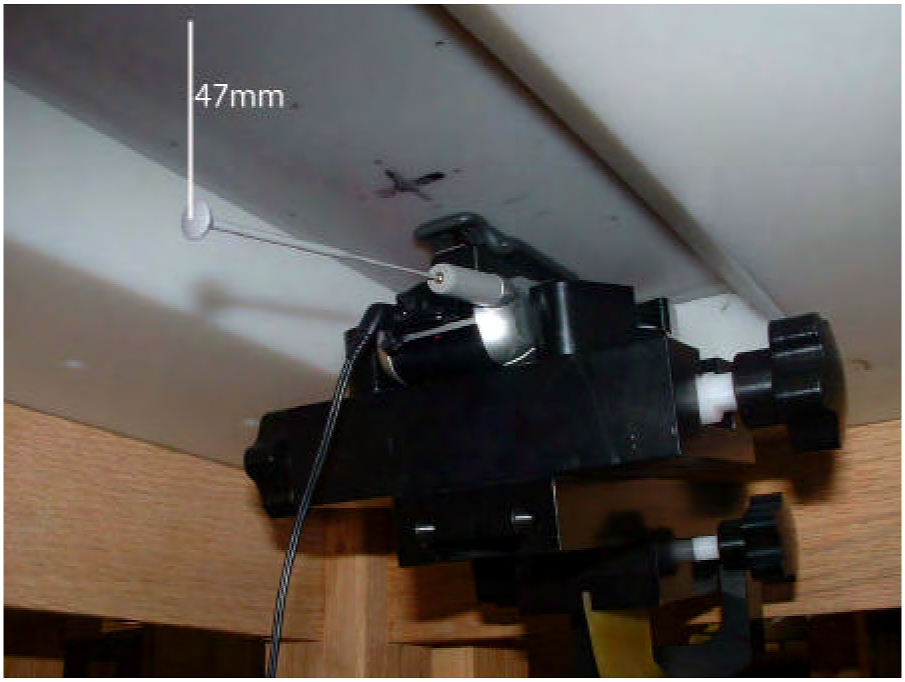


Figure 30. Phone in 0188335Y01 Against the Flat Phantom with Antenna Extended