

FM ch991, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

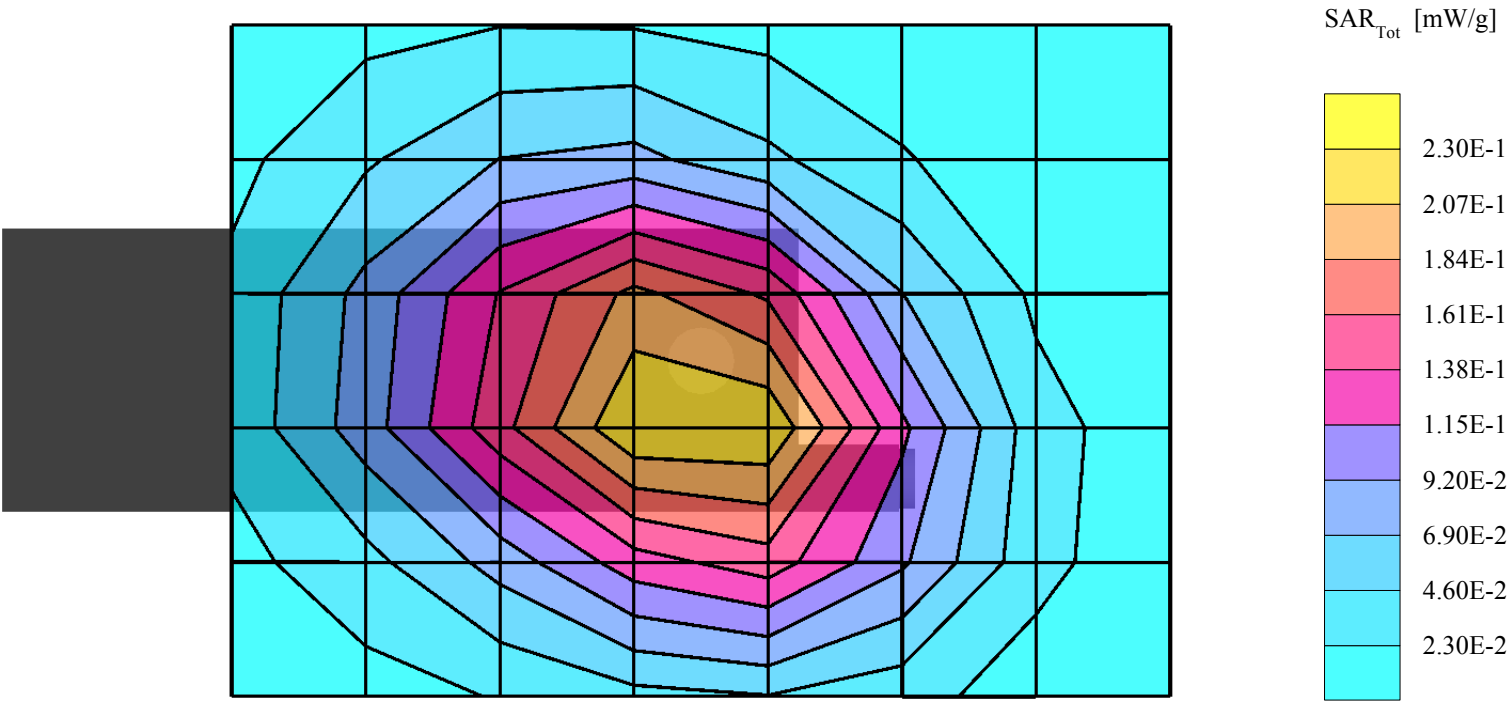
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.235 mW/g, SAR (10g): 0.165 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.01 dB



FM ch991, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S145

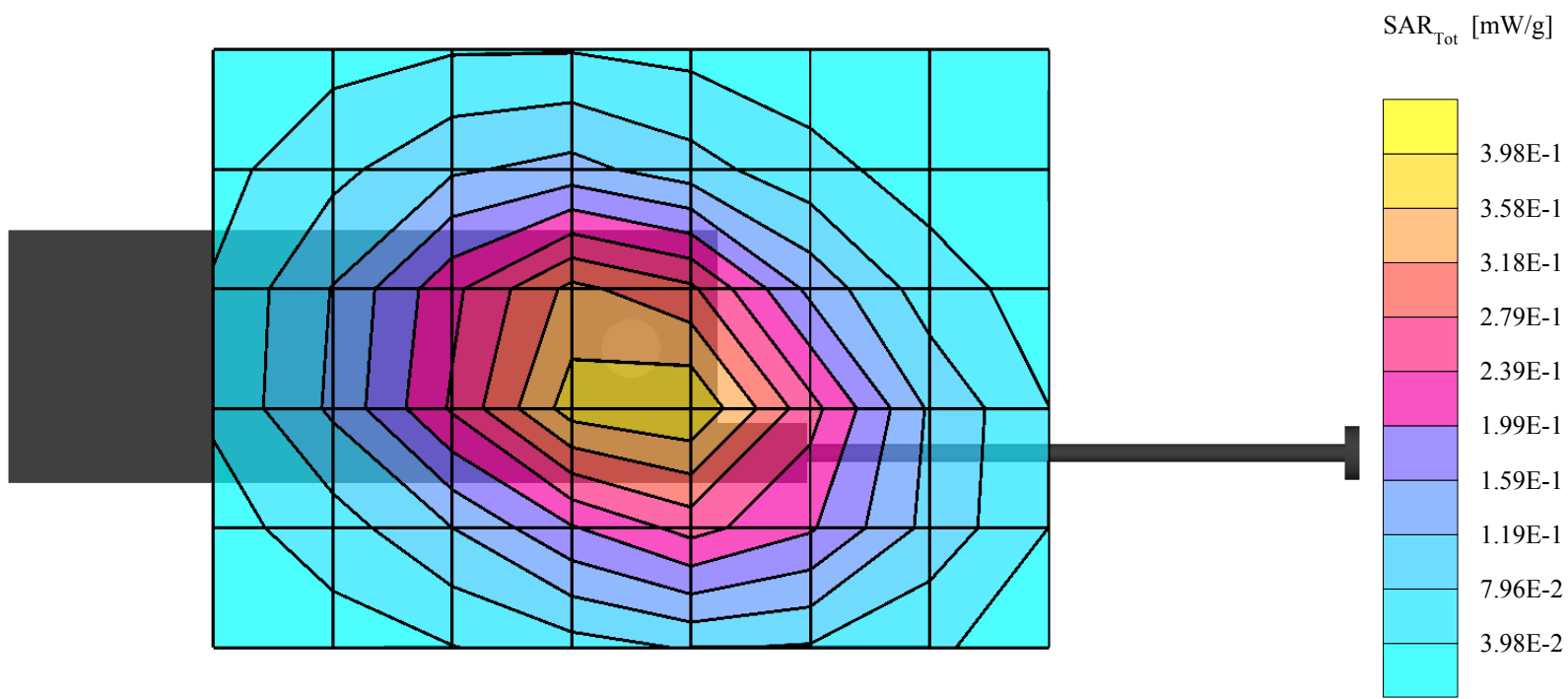
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.393 mW/g, SAR (10g): 0.277 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.04 dB



FM ch383, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

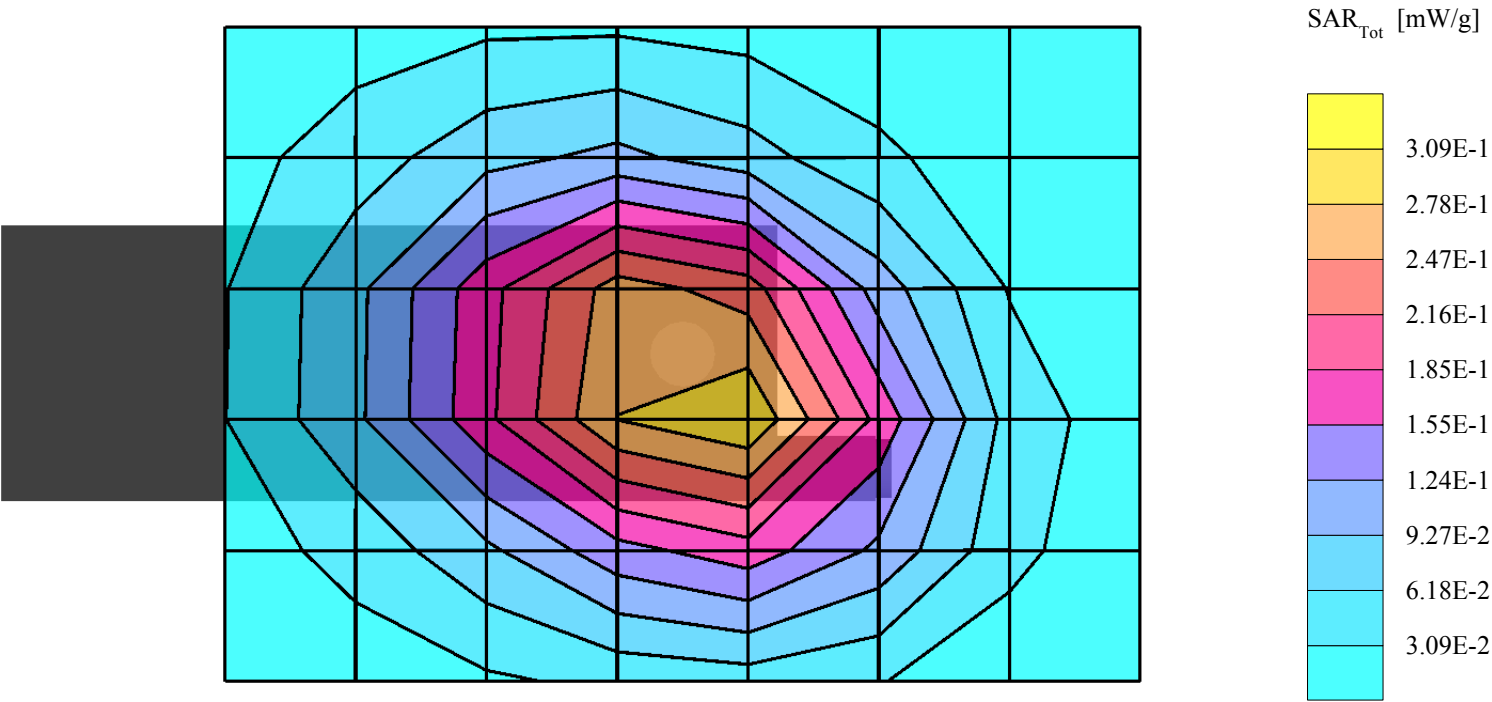
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.312 mW/g, SAR (10g): 0.218 mW/g * Max outside, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.01 dB



FM ch383, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

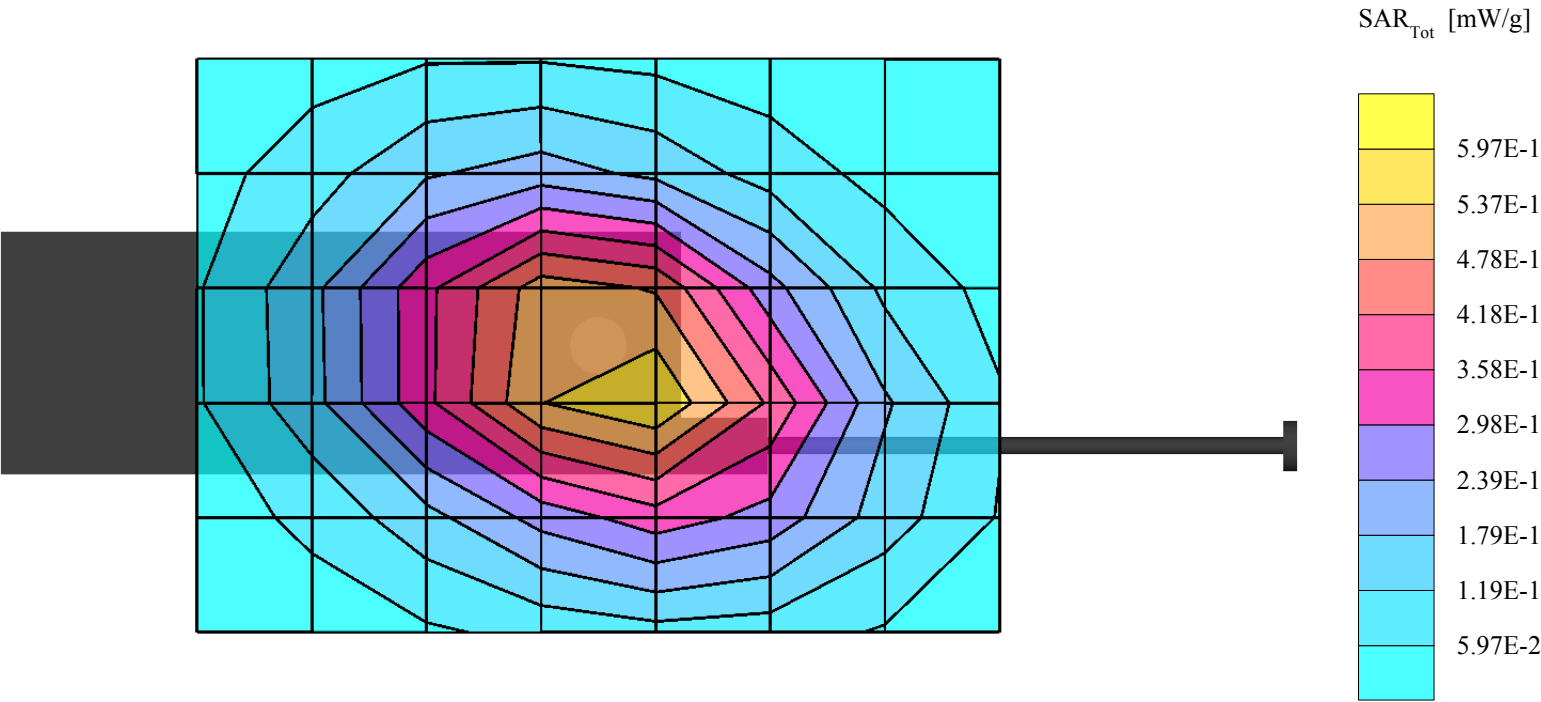
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.605 mW/g, SAR (10g): 0.426 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.00 dB



FM ch799, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

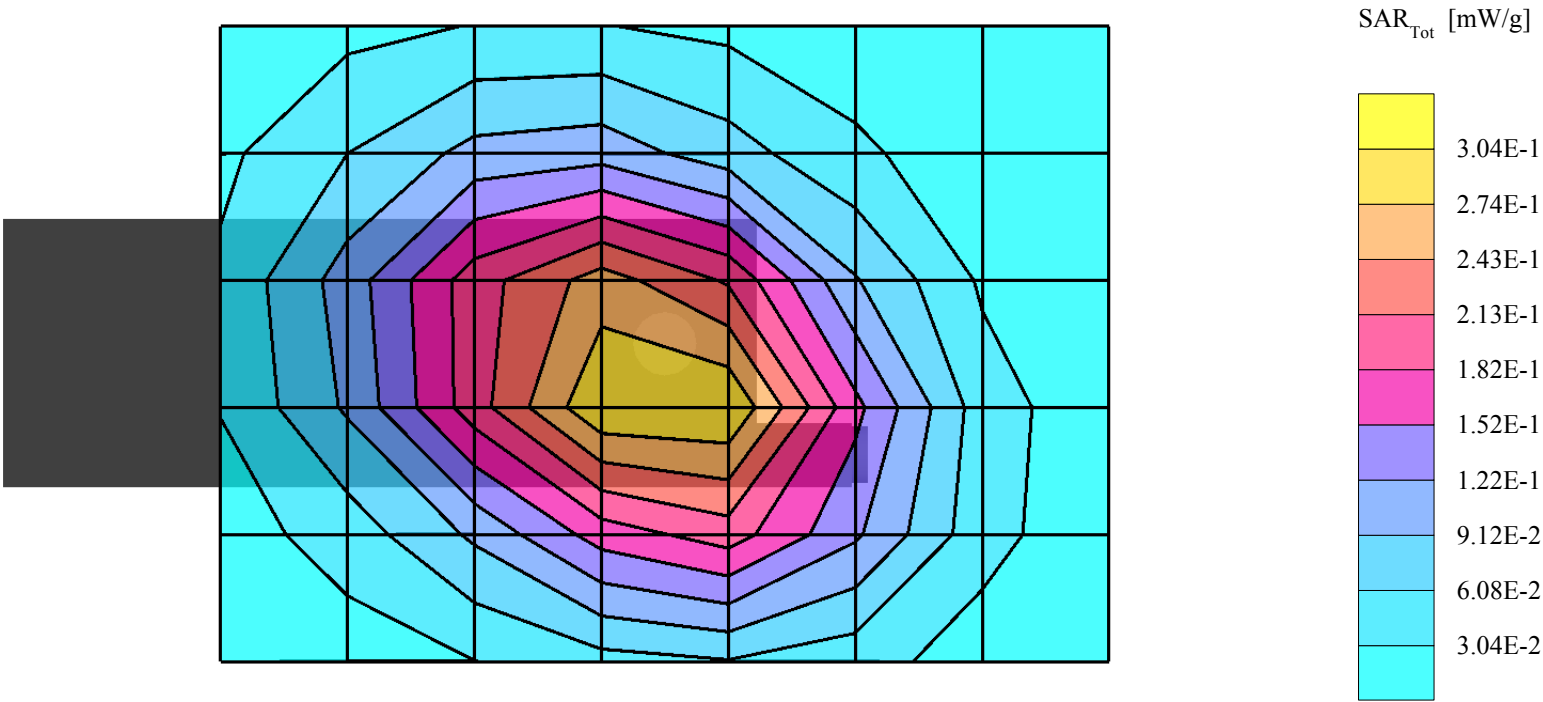
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.309 mW/g, SAR (10g): 0.218 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.12 dB



FM ch799, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

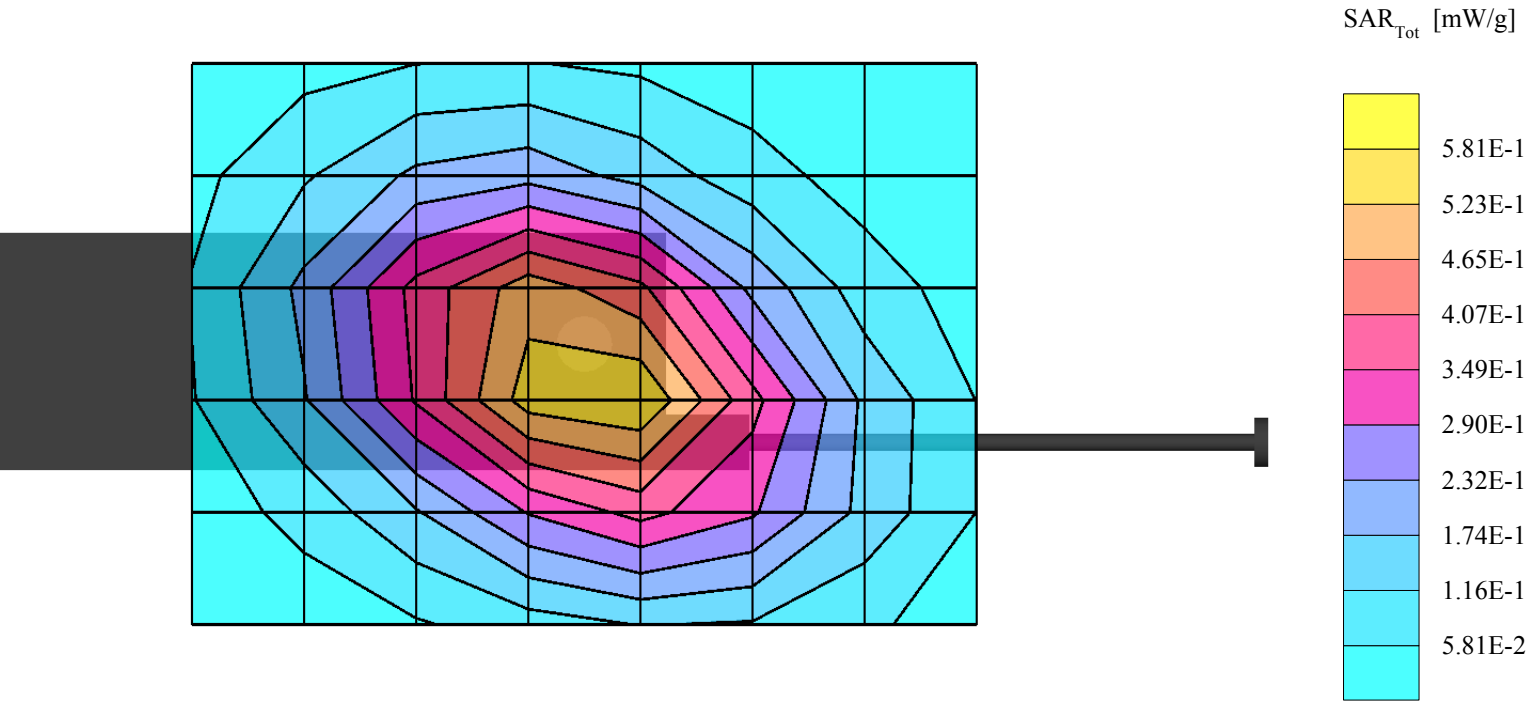
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.554 mW/g, SAR (10g): 0.390 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.18 dB



CDMA ch1013, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

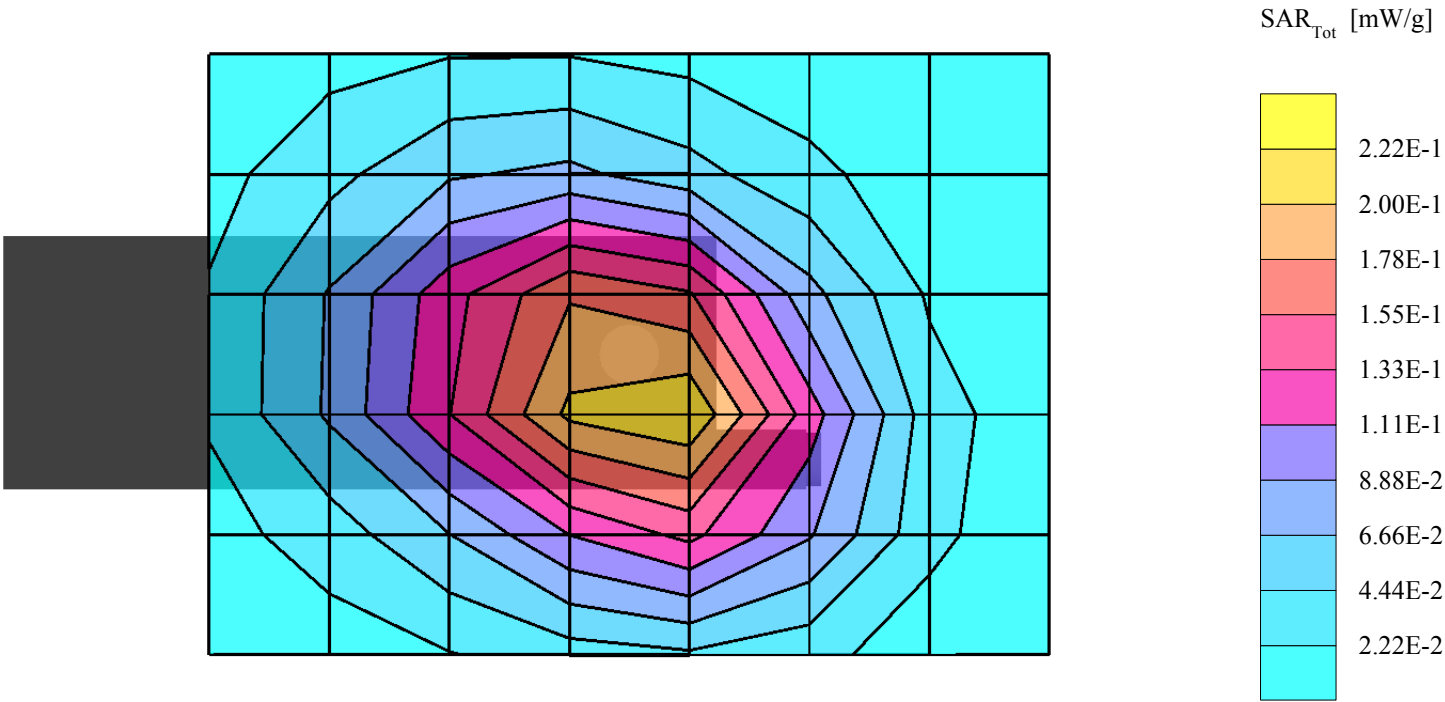
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.219 mW/g, SAR (10g): 0.154 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.08 dB



CDMA ch1013, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

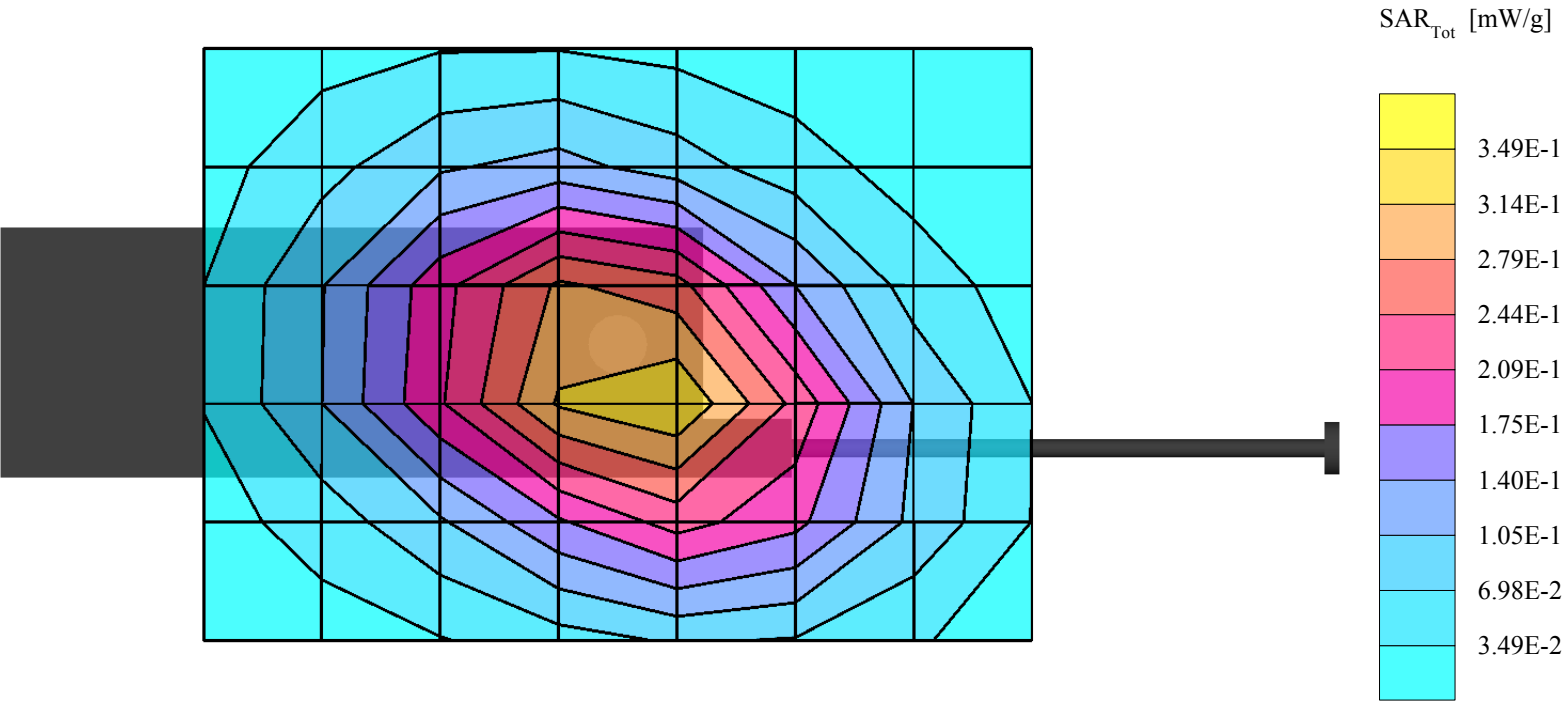
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.379 mW/g, SAR (10g): 0.265 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.01 dB



CDMA ch383, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

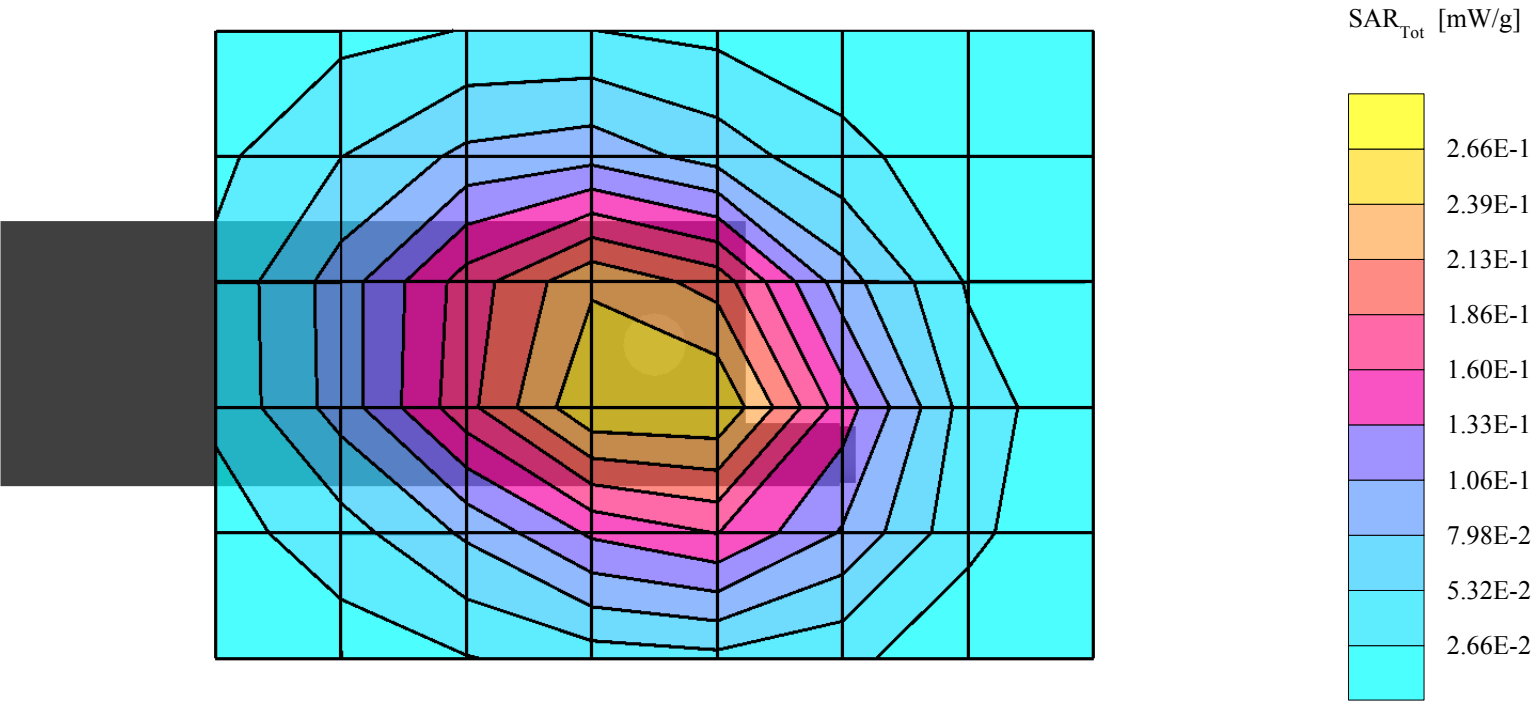
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.276 mW/g, SAR (10g): 0.195 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.04 dB



CDMA ch383, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

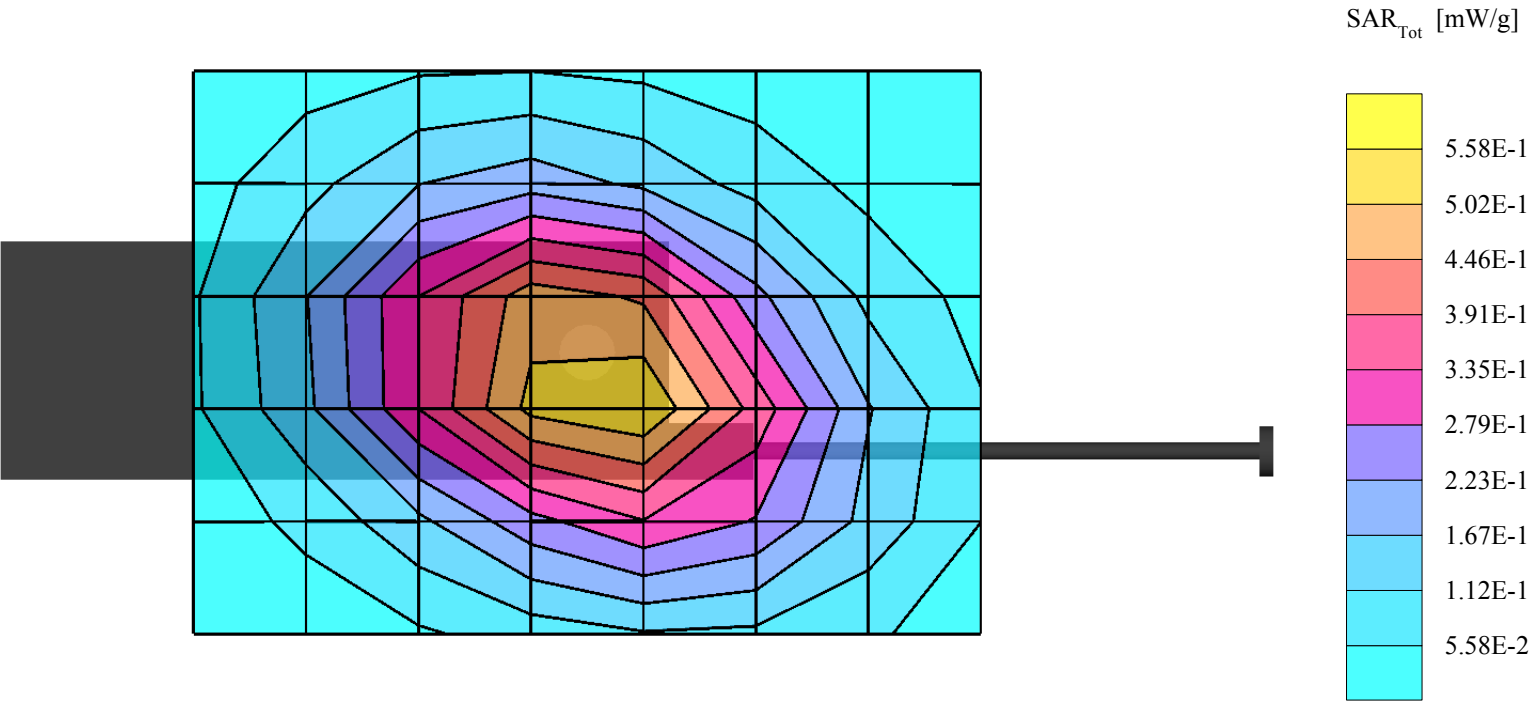
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.561 mW/g, SAR (10g): 0.398 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.16 dB



CDMA ch777, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

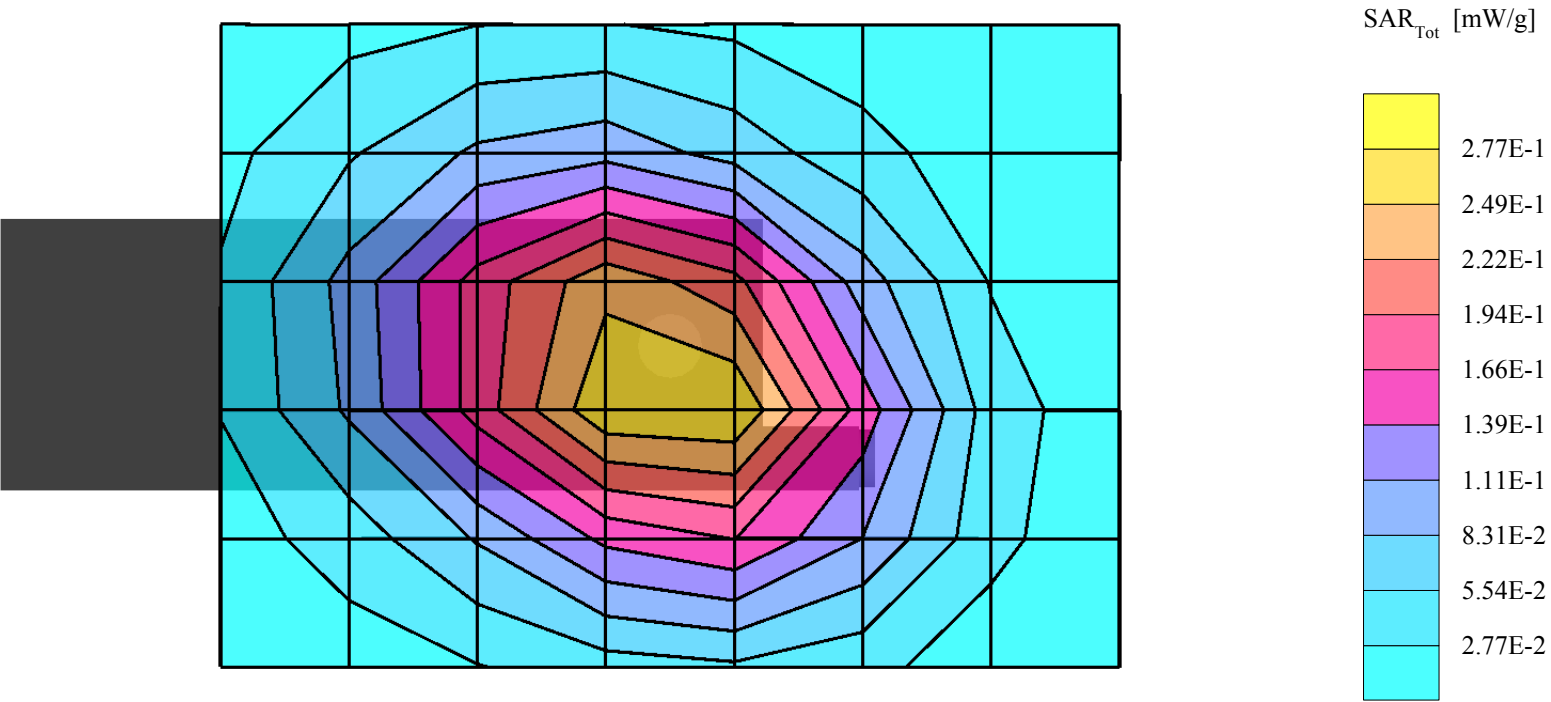
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.288 mW/g, SAR (10g): 0.202 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.03 dB



CDMA ch777, Flat with 13.5mm Air Gap, 03-04-03

Temp: 22.2C Humidity:34%

S14

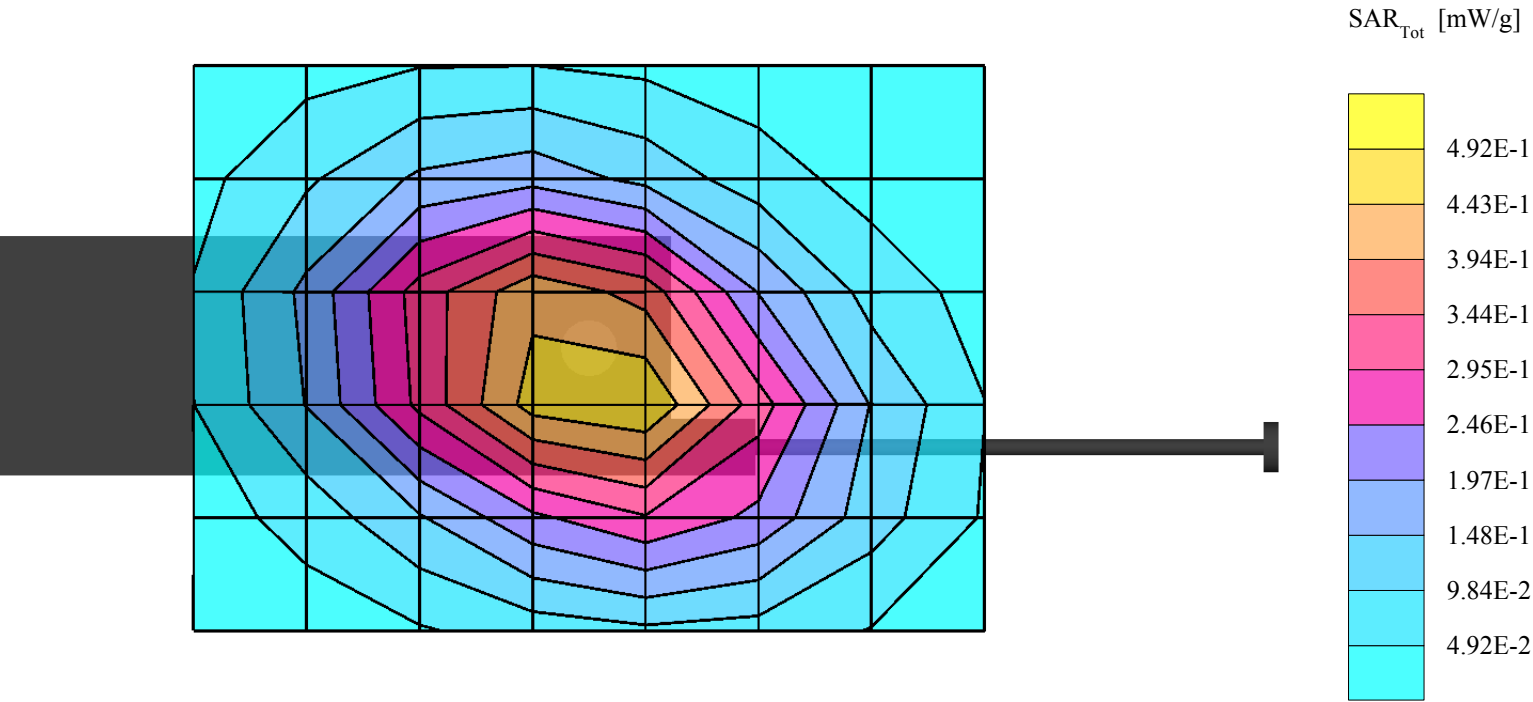
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 55.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.491 mW/g, SAR (10g): 0.347 mW/g, (Worst-case extrapolation)

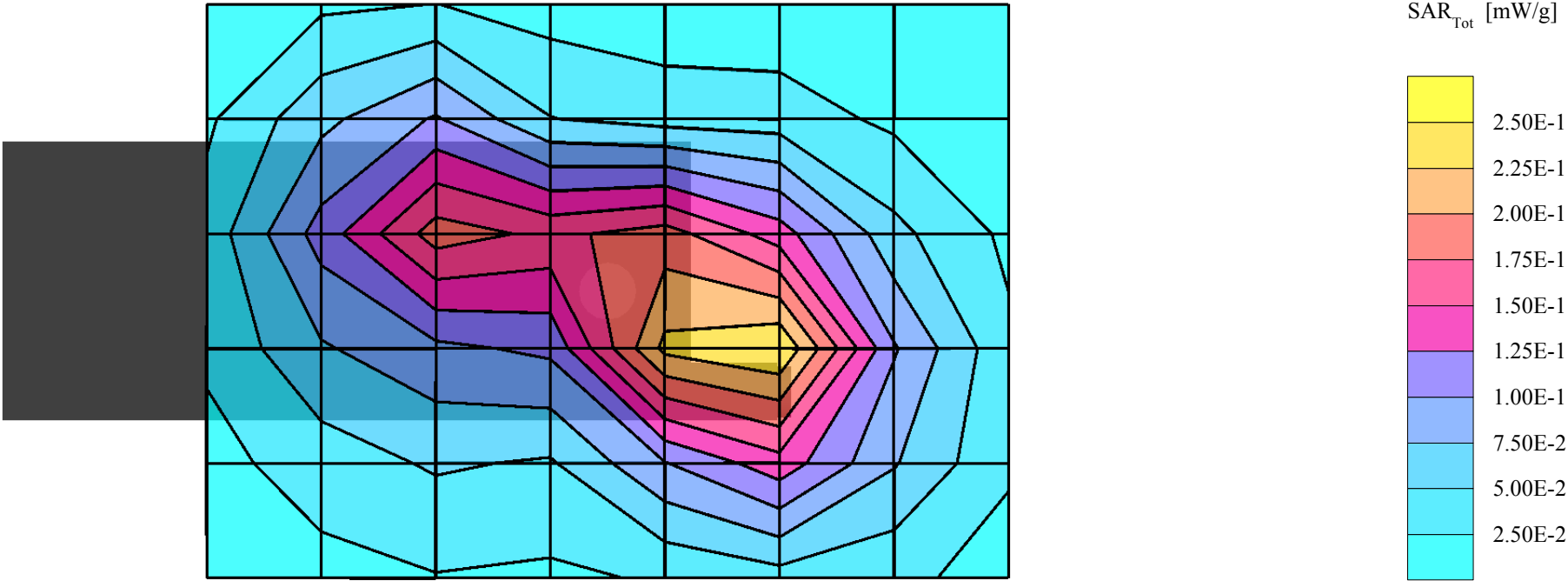
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.07 dB



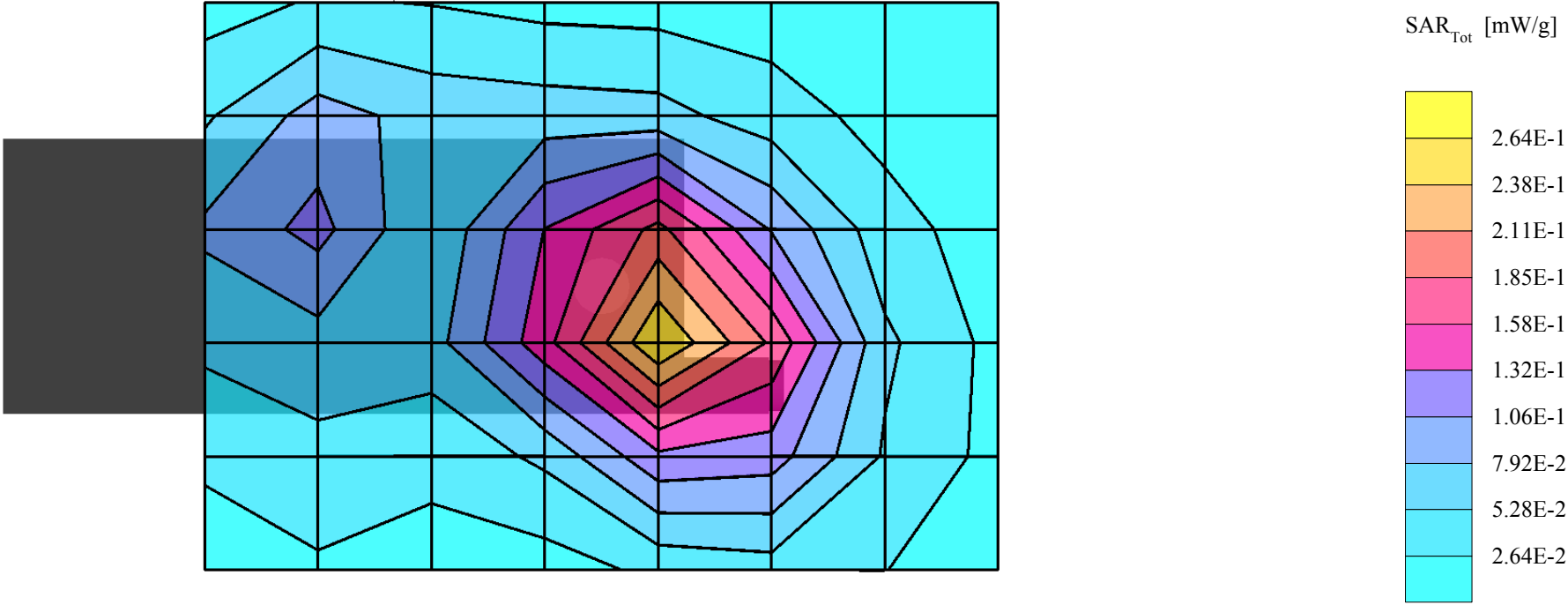
PCS, Ch600, Flat with kyocera belt clip, Ant In, 03-06-03

S14 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.53 \text{ mho/m}$ $\epsilon_r = 53.6$ $\rho = 1.00 \text{ g/cm}^3$
Cube 7x7x7: SAR (1g): 0.263 mW/g, SAR (10g): 0.160 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.25 dB



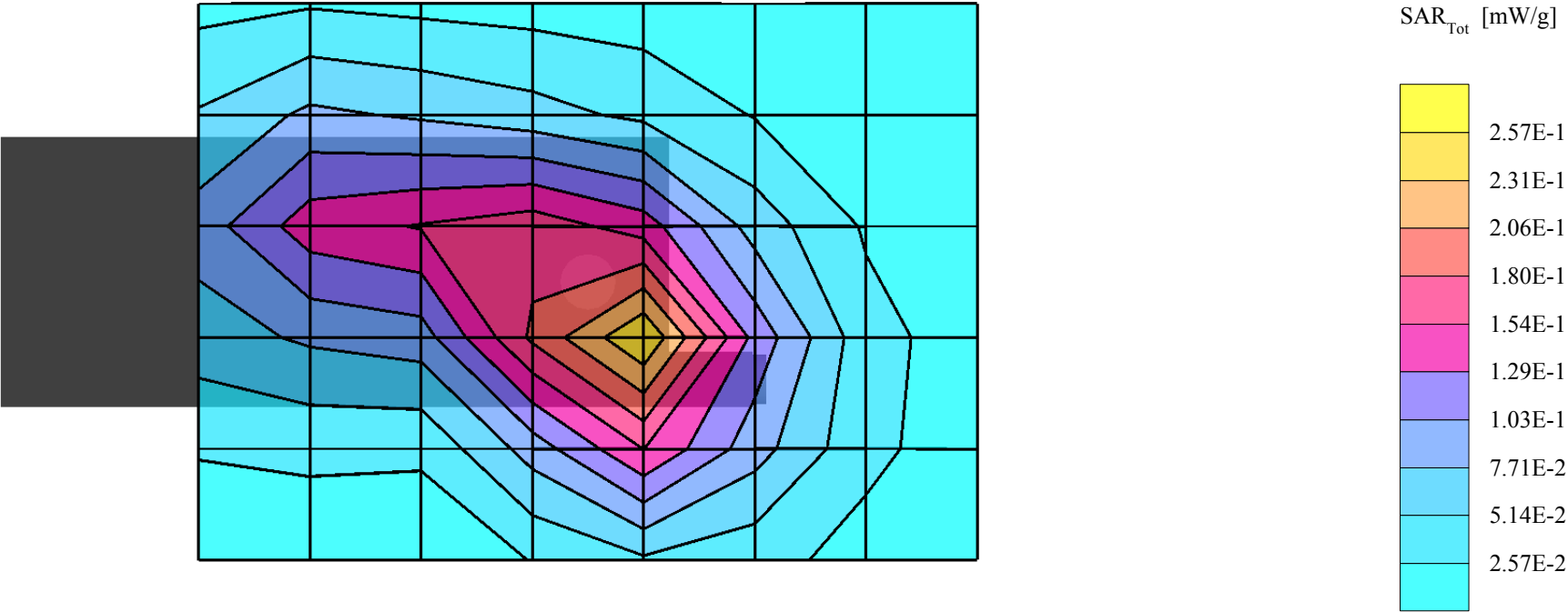
PCS, Ch600, Flat with kyocera leather case, Ant In, 03-06-03

S14 Waist
SAM; Flat
Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.53 \text{ mho/m}$ $\epsilon_r = 53.6$ $\rho = 1.00 \text{ g/cm}^3$
Cube 7x7x7: ,Peak: 0.446 mW/g, SAR (1g): 0.260 mW/g, SAR (10g): 0.161 mW/g, (Worst-case extrapolation)
Penetration depth: 10.9 (9.3, 13.1) [mm]
Powerdrift: -0.12 dB



PCS, Ch1175, Flat with kyocera 13.5 mm air gap, Ant In, 03-06-03

S14 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.53 \text{ mho/m}$ $\epsilon_r = 53.6$ $\rho = 1.00 \text{ g/cm}^3$
Cube 7x7x7: SAR (1g): 0.235 mW/g, SAR (10g): 0.142 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.06 dB



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The worst case SAR distribution printouts and associated z-axis scans are included in the following pages.

FM ch799, Left Cheek, 03-04-03

Temp: 22.2C Humidity:34%

S14

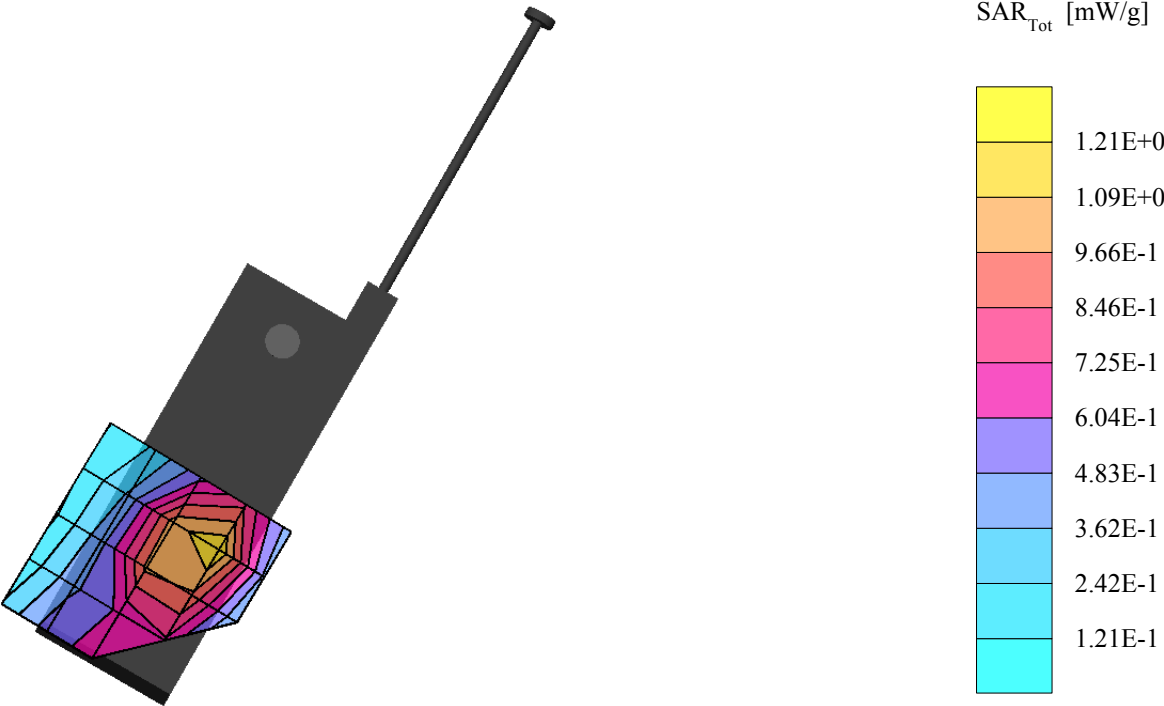
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Head 835 MHz: $\sigma = 0.87 \text{ mho/m}$ $\epsilon_r = 41.3$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 1.13 mW/g, SAR (10g): 0.724 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.01 dB



FM ch799, Left Cheek, 03-04-03

Temp: 22.2C Humidity:34%

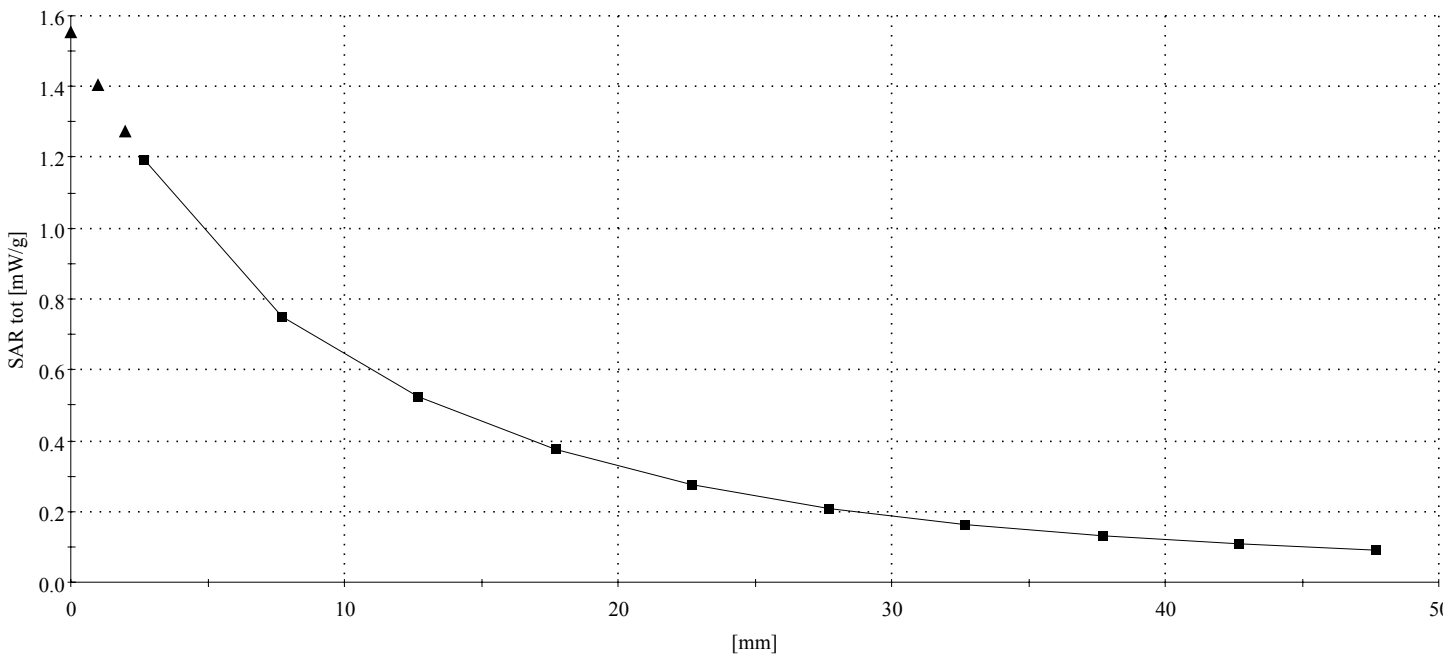
S14

SAM Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Head 835 MHz: $\sigma = 0.87 \text{ mho/m}$ $\epsilon_r = 41.3$ $\rho = 1.00 \text{ g/cm}^3$

; , 0

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



PCS ch600, Left Cheek, 03-04-03

Temp: 22.2C Humidity:34%

S14

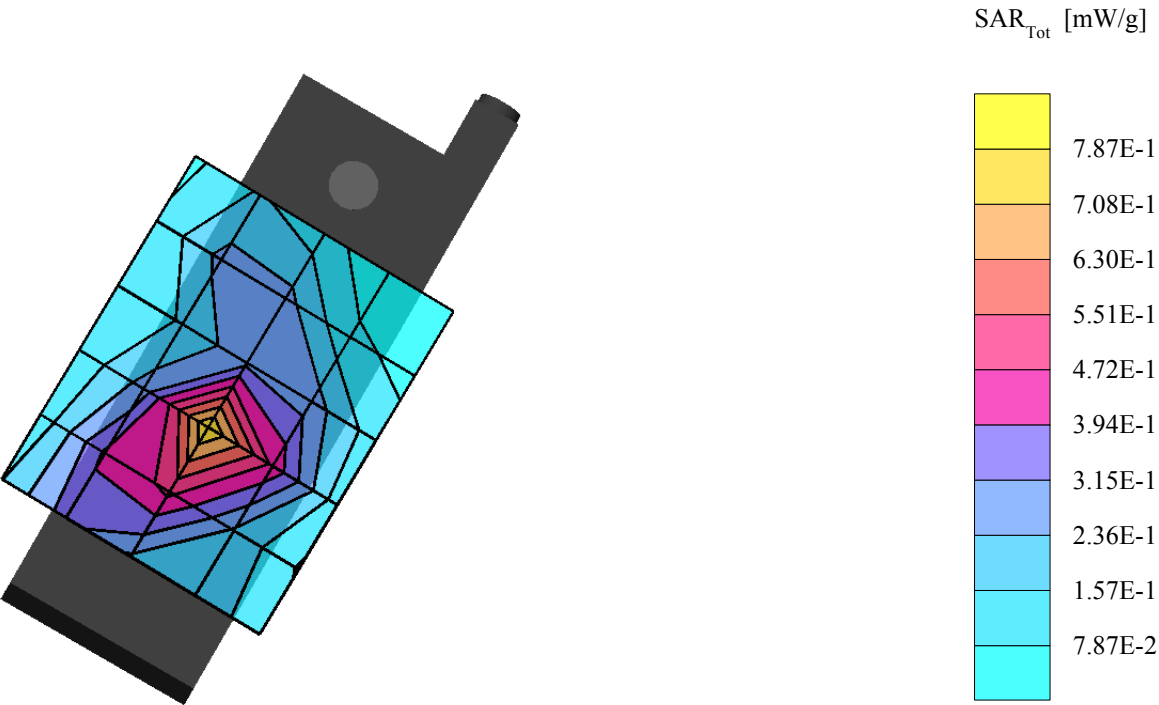
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.43 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.721 mW/g, SAR (10g): 0.369 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.08 dB



PCS ch600, Left Cheek, 03-04-03

Temp: 22.2C Humidity:34%

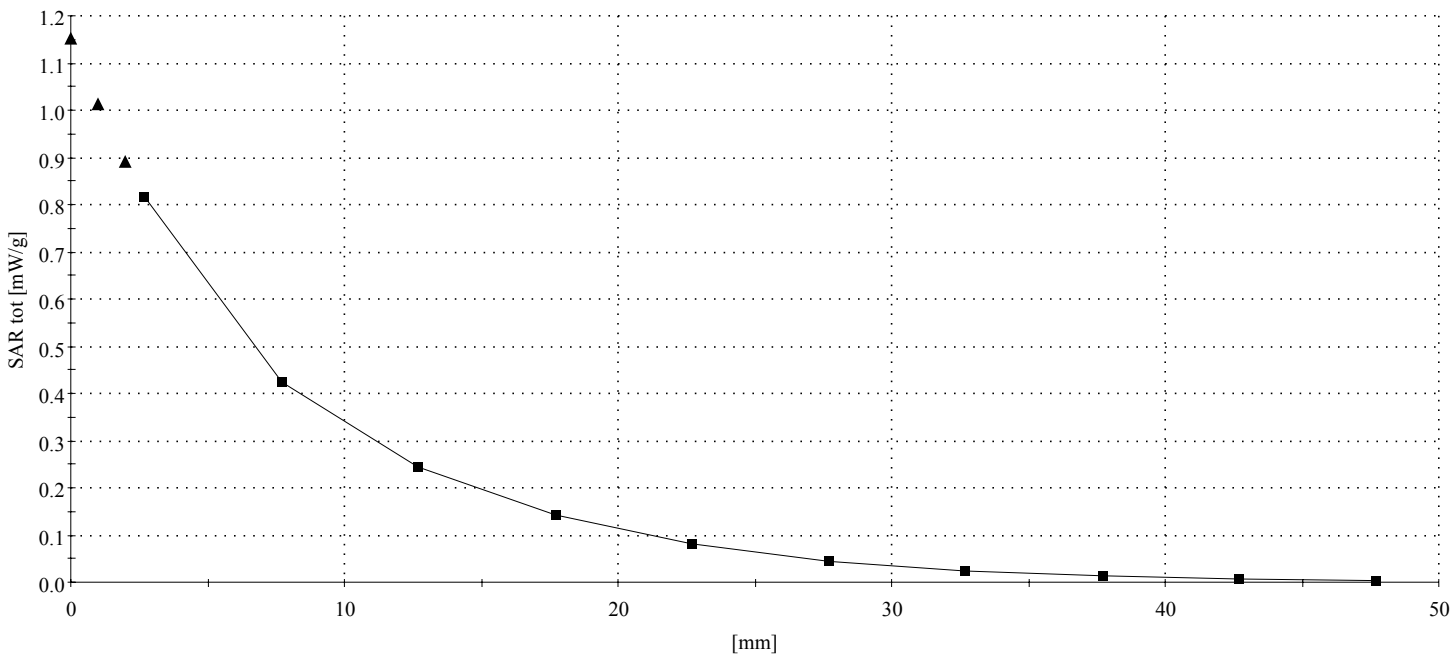
S14

SAM Phantom; Section; Position: ; Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.43 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

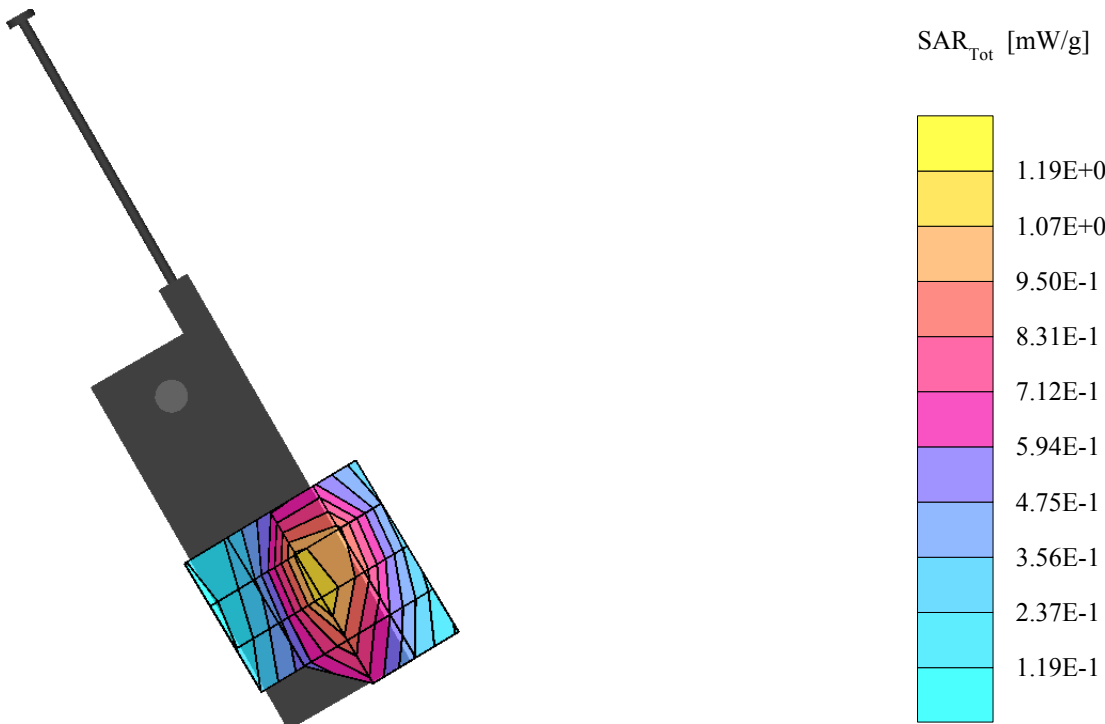
; , 0

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



Opal 1x

Opal 1X, FCC #R9LW, CDMA ch777, Right Cheek, 03-12-03
Temp. 22.2C, Humidity: 40%
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.86$ mho/m $\epsilon_r = 41.6$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 1.21 mW/g, SAR (10g): 0.758 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB



Opal 1x

Opal 1X, FCC #R9LW, CDMA ch777, Right Cheek, 03-12-03

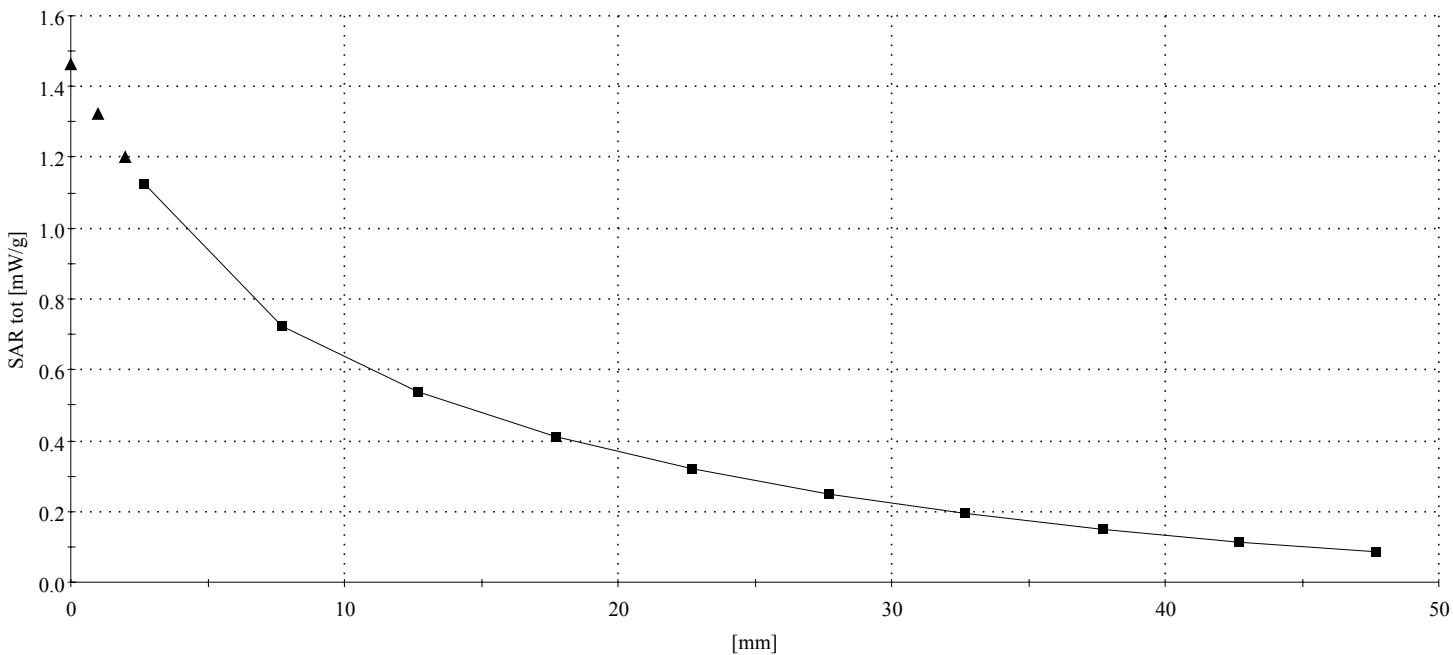
Temp. 22.2C, Humidity: 40%

SAM Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.86$ mho/m $\epsilon_r = 41.6$ $\rho = 1.00$ g/cm³

; , 0

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



PCS ch600, Right Cheek, 03-04-03

Temp: 22.2C Humidity:34%

S14

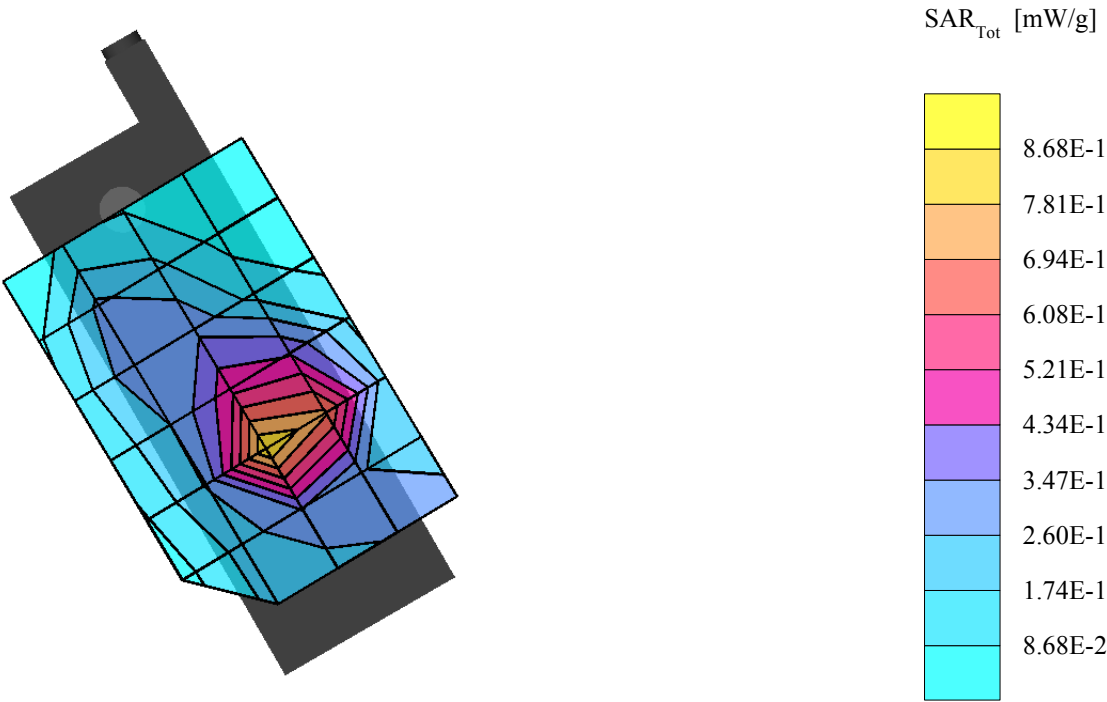
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.43 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.860 mW/g, SAR (10g): 0.435 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.27 dB



PCS ch600, Right Cheek, 03-04-03

Temp: 22.2C Humidity:34%

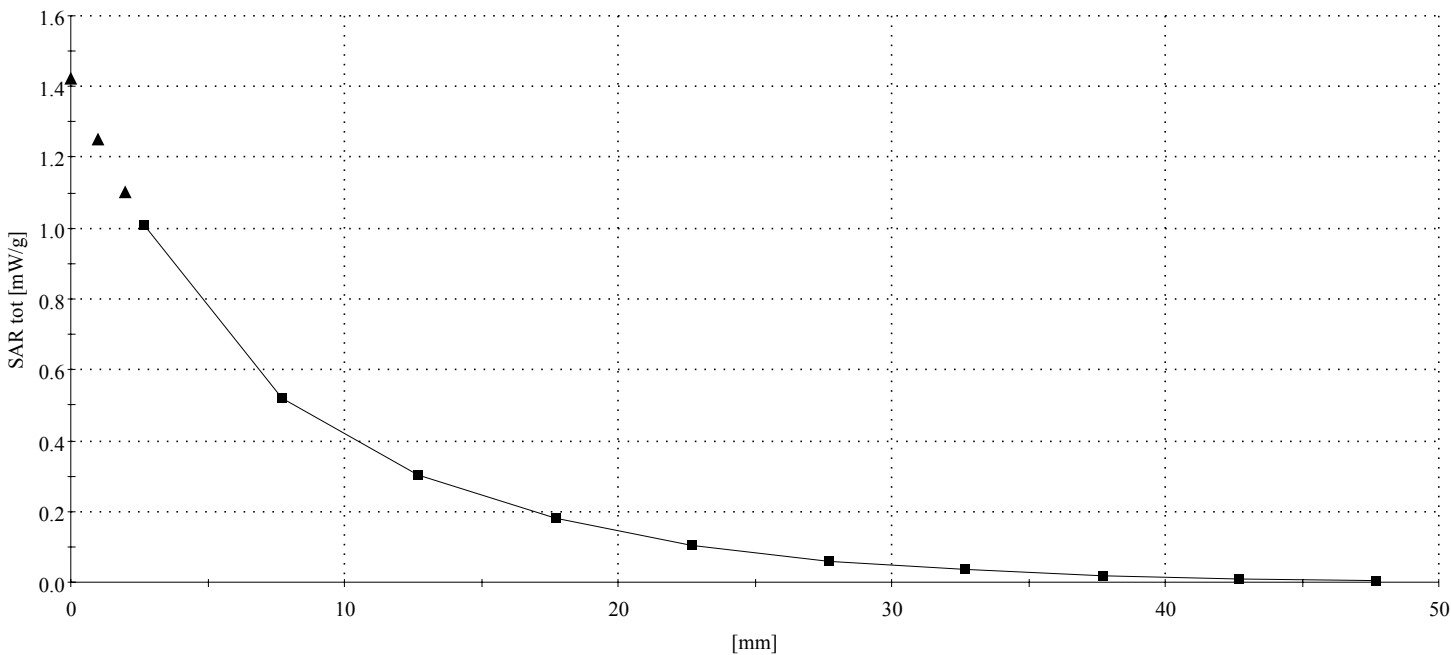
S14

SAM Phantom; Section; Position: ; Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.43 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

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Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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APPENDIX C: PROBE CALIBRATION CERTIFICATE

039877

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland, Phone +41 1 245 97 00, Fax +41 1 245 97 79

Calibration Certificate

Dosimetric E-Field Probe

Type:

ET3DV6

Serial Number:

1712

Place of Calibration:

Zurich

Date of Calibration:

September 6, 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:

N. Vetter

Approved by:

Shirley Kaya

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland, Telephone +41 1 245 97 00, Fax +41 1 245 97 79

Probe ET3DV6

SN:1712

Manufactured:	August 7, 2002
Last calibration:	September 6, 2002

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

DASY - Parameters of Probe: ET3DV6 SN:1712

Sensitivity in Free Space

NormX	1.59 $\mu\text{V}/(\text{V}/\text{m})^2$
NormY	1.53 $\mu\text{V}/(\text{V}/\text{m})^2$
NormZ	1.61 $\mu\text{V}/(\text{V}/\text{m})^2$

Diode Compression

DCP X	95	mV
DCP Y	95	mV
DCP Z	95	mV

Sensitivity in Tissue Simulating Liquid

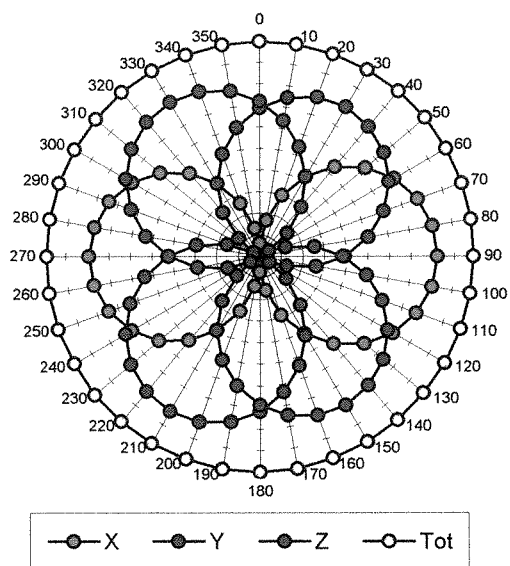
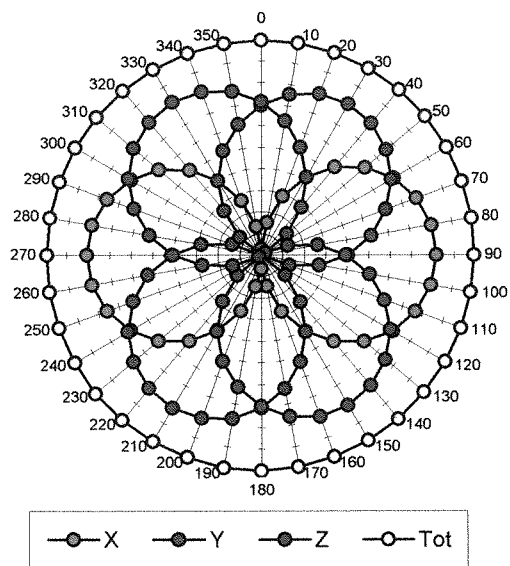
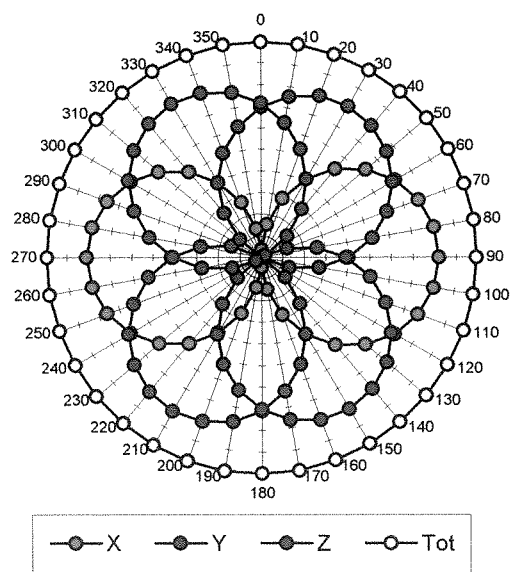
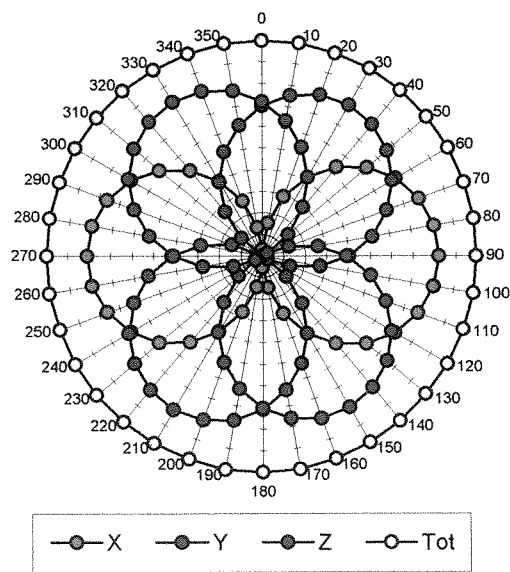
Head	900 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.97 \pm 5\% \text{ mho/m}$
Head	835 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.90 \pm 5\% \text{ mho/m}$
ConvF X	6.5 $\pm 9.5\%$ (k=2)	Boundary effect:	
ConvF Y	6.5 $\pm 9.5\%$ (k=2)	Alpha	0.33
ConvF Z	6.5 $\pm 9.5\%$ (k=2)	Depth	2.72
Head	1800 MHz	$\epsilon_r = 40.0 \pm 5\%$	$\sigma = 1.40 \pm 5\% \text{ mho/m}$
Head	1900 MHz	$\epsilon_r = 40.0 \pm 5\%$	$\sigma = 1.40 \pm 5\% \text{ mho/m}$
ConvF X	5.4 $\pm 9.5\%$ (k=2)	Boundary effect:	
ConvF Y	5.4 $\pm 9.5\%$ (k=2)	Alpha	0.48
ConvF Z	5.4 $\pm 9.5\%$ (k=2)	Depth	2.52

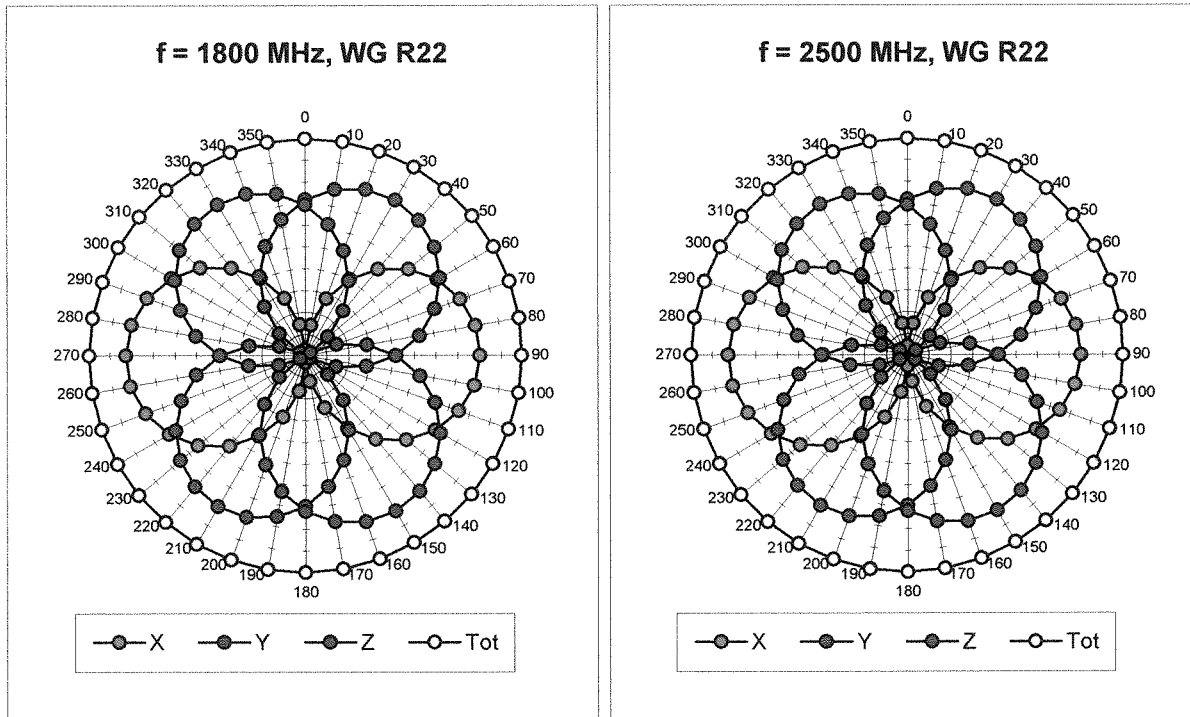
Boundary Effect

Head	900 MHz	Typical SAR gradient: 5 % per mm	
Probe Tip to Boundary		1 mm	2 mm
SAR _{be} [%]	Without Correction Algorithm	9.8	5.7
SAR _{be} [%]	With Correction Algorithm	0.4	0.6
Head	1800 MHz	Typical SAR gradient: 10 % per mm	
Probe Tip to Boundary		1 mm	2 mm
SAR _{be} [%]	Without Correction Algorithm	12.3	8.2
SAR _{be} [%]	With Correction Algorithm	0.1	0.2

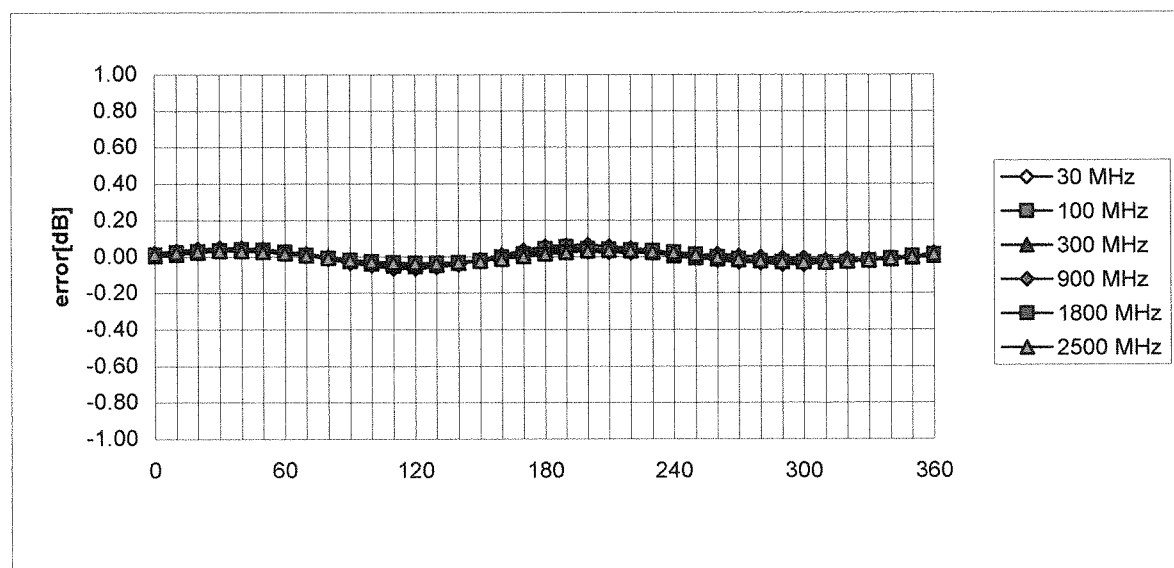
Sensor Offset

Probe Tip to Sensor Center	2.7	mm
Optical Surface Detection	1.3 $\pm$ 0.2	mm

Receiving Pattern (ϕ), $\theta = 0^\circ$ **f = 30 MHz, TEM cell ifi110****f = 100 MHz, TEM cell ifi110****f = 300 MHz, TEM cell ifi110****f = 900 MHz, TEM cell ifi110**

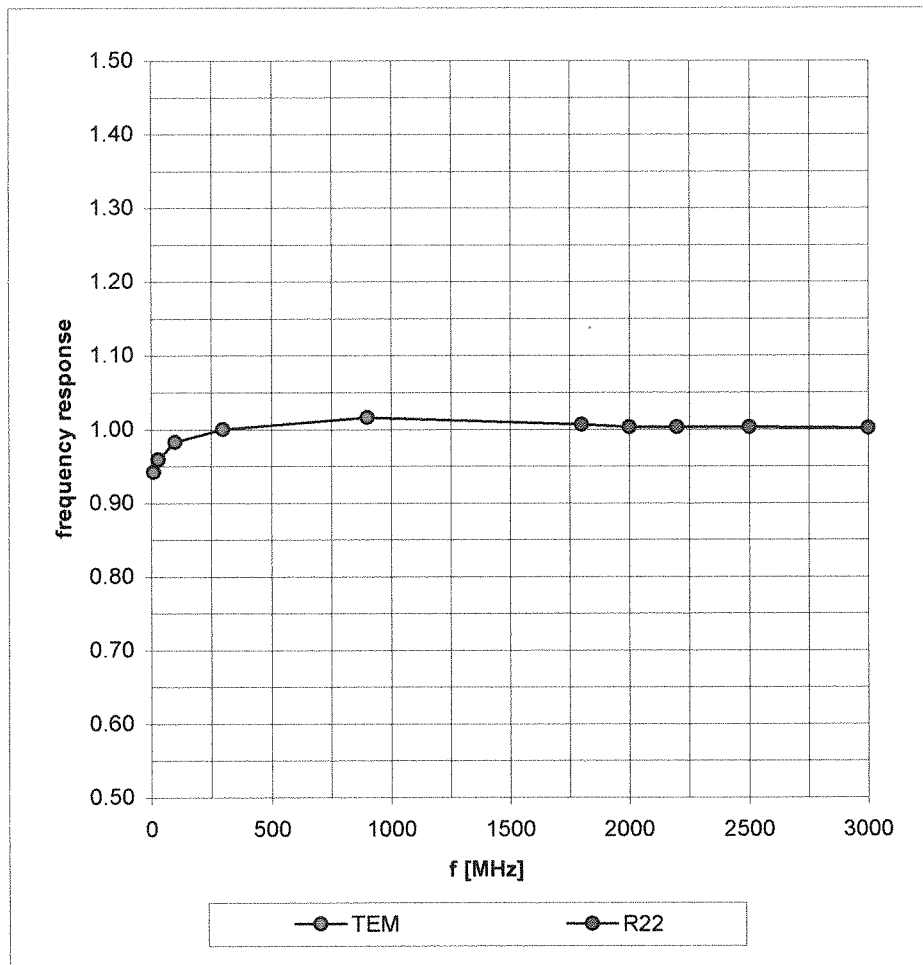


Isotropy Error (ϕ), $\theta = 0^\circ$

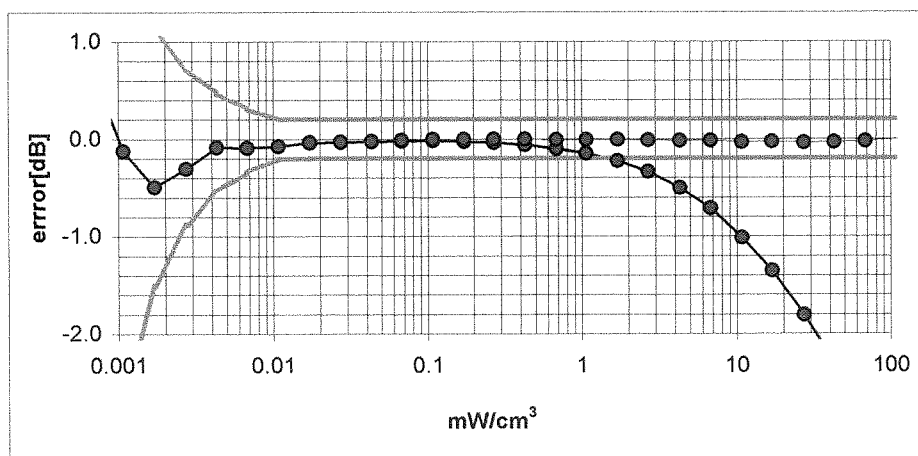
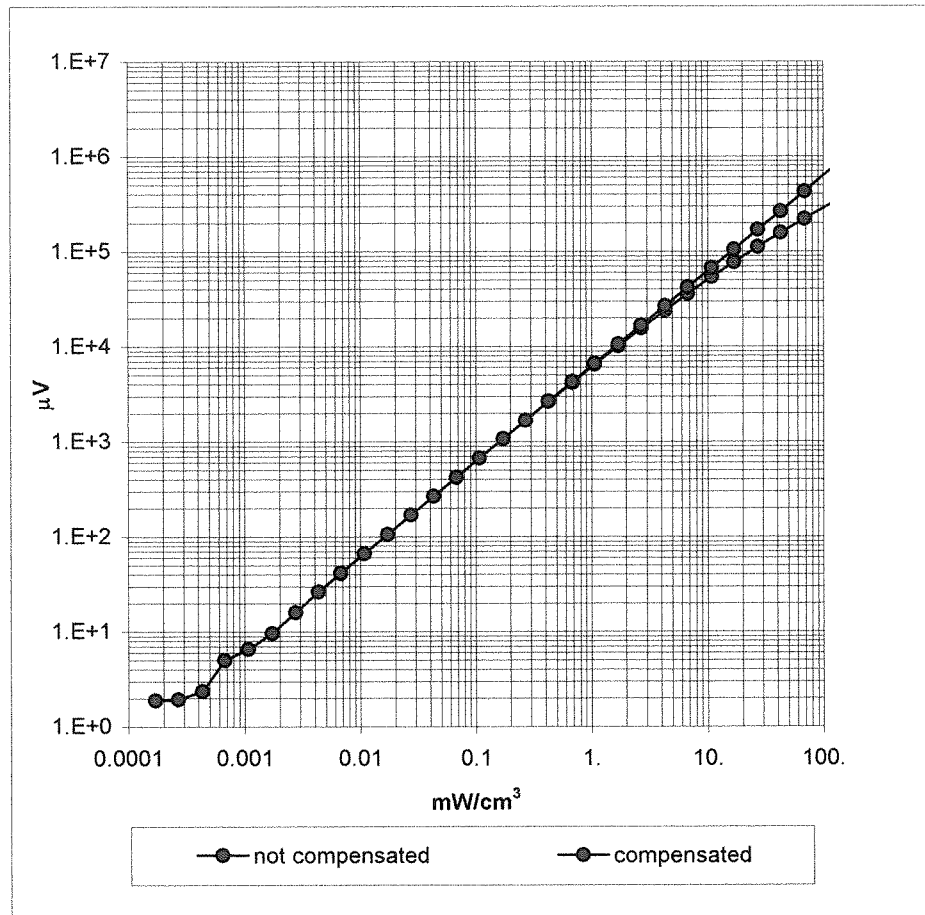


Frequency Response of E-Field

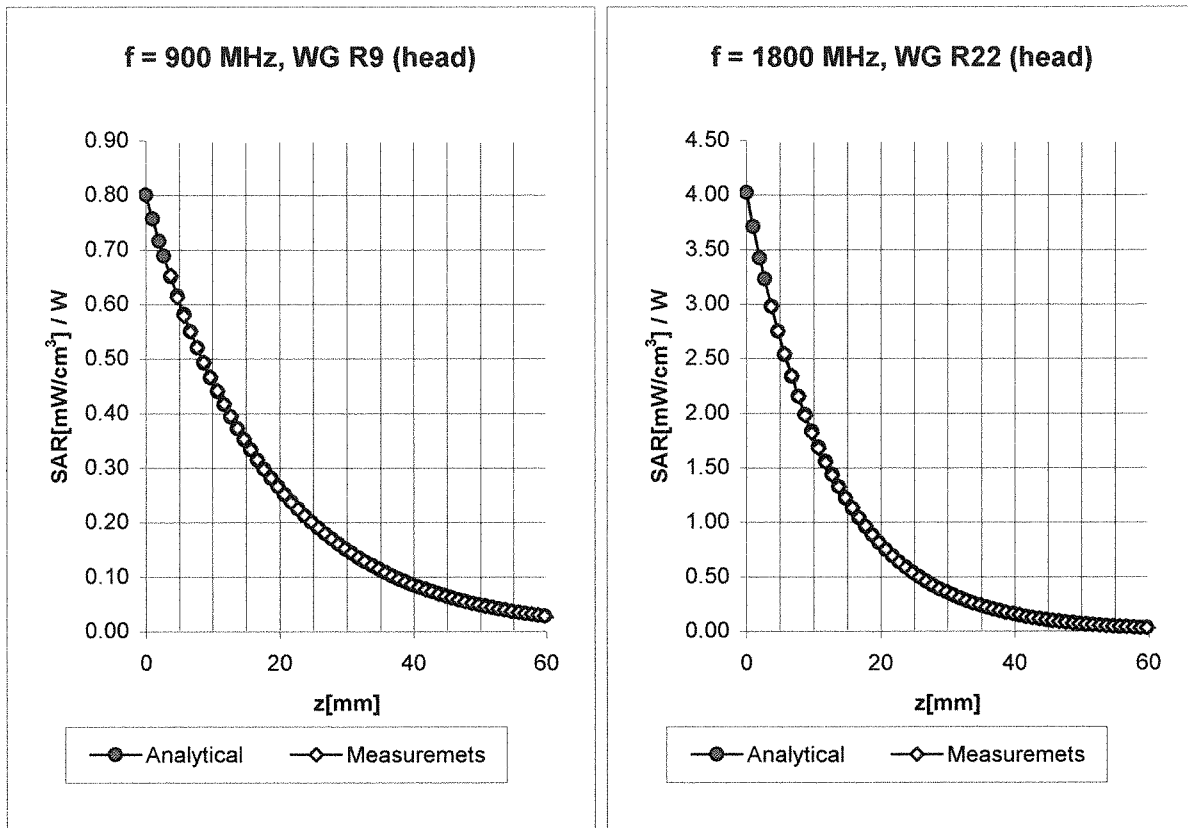
(TEM-Cell:ifi110, Waveguide R22)



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

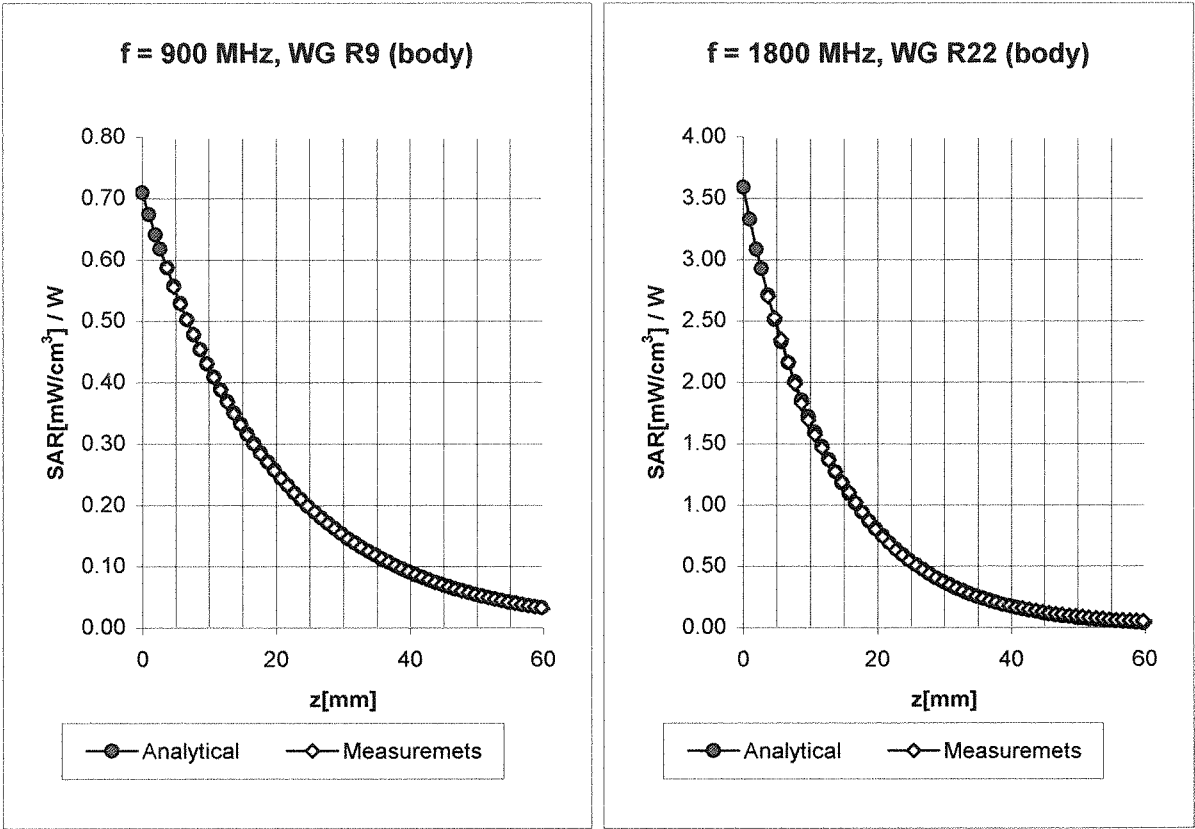


Conversion Factor Assessment



Head	900 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.97 \pm 5\% \text{ mho/m}$
Head	835 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.90 \pm 5\% \text{ mho/m}$
	ConvF X	6.5 $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	6.5 $\pm 9.5\%$ (k=2)	Alpha 0.33
	ConvF Z	6.5 $\pm 9.5\%$ (k=2)	Depth 2.72
Head	1800 MHz	$\epsilon_r = 40.0 \pm 5\%$	$\sigma = 1.40 \pm 5\% \text{ mho/m}$
Head	1900 MHz	$\epsilon_r = 40.0 \pm 5\%$	$\sigma = 1.40 \pm 5\% \text{ mho/m}$
	ConvF X	5.4 $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	5.4 $\pm 9.5\%$ (k=2)	Alpha 0.48
	ConvF Z	5.4 $\pm 9.5\%$ (k=2)	Depth 2.52

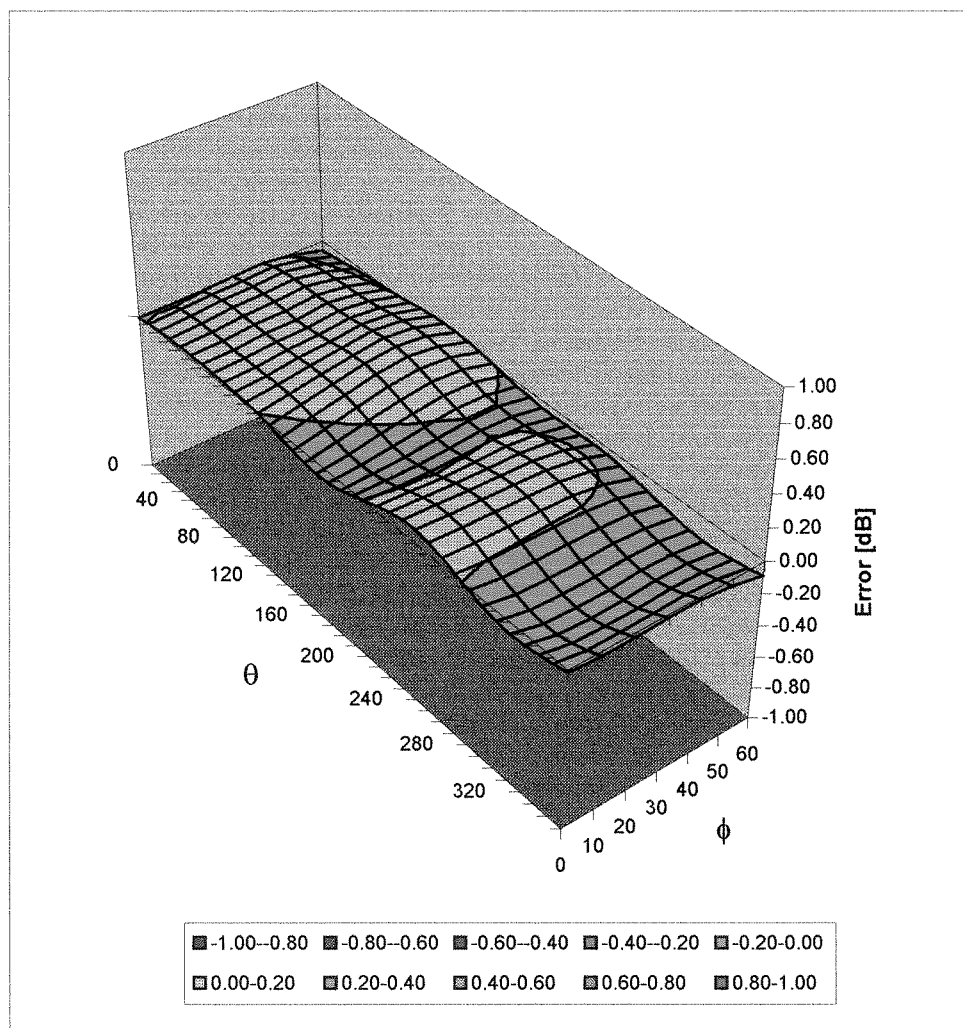
Conversion Factor Assessment



Body	900 MHz	$\epsilon_r = 55.0 \pm 5\%$	$\sigma = 1.05 \pm 5\%$ mho/m
Body	835 MHz	$\epsilon_r = 55.2 \pm 5\%$	$\sigma = 0.97 \pm 5\%$ mho/m
	ConvF X	6.3 $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	6.3 $\pm 9.5\%$ (k=2)	Alpha 0.41
	ConvF Z	6.3 $\pm 9.5\%$ (k=2)	Depth 2.49
Body	1800 MHz	$\epsilon_r = 53.3 \pm 5\%$	$\sigma = 1.52 \pm 5\%$ mho/m
Body	1900 MHz	$\epsilon_r = 53.3 \pm 5\%$	$\sigma = 1.52 \pm 5\%$ mho/m
	ConvF X	5.0 $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	5.0 $\pm 9.5\%$ (k=2)	Alpha 0.60
	ConvF Z	5.0 $\pm 9.5\%$ (k=2)	Depth 2.30

Deviation from Isotropy in HSL

Error (θ, ϕ), $f = 900$ MHz



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APPENDIX D: ORIGINAL SUBMITTAL - SAR REPORT, SECTION 8

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8 TEST DATA

For each mode, corresponding SAR distribution printouts of maximum results in every device position (Cheek or Tilt), every antenna position (Extended or Retracted) are shown in Appendix B. The rest of SAR distributions is substantially similar or equivalent to the plots submitted regardless of used channel.

8.1 Head SAR Test Results

The Appendix B includes the SAR distribution plots for all data in the following tables.

Left Head SAR

Mode	Channel # / Frequency (MHz)	Conducted Power (dBm)	SAR, Average over 1g (mW/g)			
			Cheek Position		Tilted Position	
			Antenna Retracted	Antenna Extended	Antenna Retracted	Antenna Extended
FM 835	991/824.04	25.06	0.743	0.700	0.173	0.169
	383/836.49	25.00	0.896	0.917	0.243	0.225
	799/848.97	24.97	0.955	1.05	0.242	0.258
Cellular CDMA 835	1013/824.70	25.07	0.698	0.767	0.235	0.202
	383/836.49	25.03	0.870	0.920	0.277	0.266
	777/848.31	25.02	0.95	1.03	0.217	0.238
PCS CDMA 1900	25/1851.25	22.01	0.548	0.242	0.228	0.189
	600/1880	22.03	0.644	0.217	0.267	0.176
	1175/1908.75	22.01	0.634	0.193	0.284	0.193

Right Head SAR

Mode	Channel # / Frequency (MHz)	Conducted Power (dBm)	SAR, Average over 1g (mW/g)			
			Cheek Position		Tilted Position	
			Antenna Retracted	Antenna Extended	Antenna Retracted	Antenna Extended
FM 835	991/824.04	25.02	1.15	1.12	0.262	0.257
	383/836.49	25.03	1.16	1.14	0.319	0.310
	799/848.97	24.98	1.21	1.25	0.257	0.253
Cellular CDMA 835	1013/824.70	25.03	1.13	1.12	0.194	0.193
	383/836.49	25.06	1.10	1.21	0.265	0.249
	777/848.31	25.06	1.22	1.27	0.243	0.242
PCS CDMA 1900	25/1851.25	21.96	0.245	0.649	0.232	0.199
	600/1880	21.98	0.732	0.198	0.263	0.172
	1175/1908.75	22.03	0.714	0.199	0.352	0.166

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The highest measured SAR (at head) in the cellular band is 1.27mW/g. The highest measured SAR (at head) in PCS band is 0.732 mW/g.

8.2 Body Worn SAR Test Result

The Appendix B includes the SAR distribution plots for all data in the following tables.

Waist Level SAR with KWC Body Worn Holster CV90-B1680

Mode	Channel # / Frequency (MHz)	Conducted Power Before Test (dBm)	SAR, Average over 1g (mW/g)	
			Antenna Retracted	Antenna Extended
FM 835	991/824.04	25.03	0.232	0.405
	383/836.49	25.00	0.294	0.547
	799/848.97	24.98	0.276	0.496
Cellular CDMA 835	1013/824.70	25.12	0.230	0.348
	383/836.49	25.13	0.319	0.593
	777/848.31	25.18	0.301	0.544
PCS CDMA 1900	25/1851.25	21.96	0.225	0.096
	600/1880	22.03	0.274	0.124
	1175/1908.75	22.14	0.214	0.082

Waist Level SAR with KWC Body Worn Leather Case CA90-B1691M

Mode	Channel # / Frequency (MHz)	Conducted Power Before Test (dBm)	SAR, Average over 1g (mW/g)	
			Antenna Retracted	Antenna Extended
FM 835	991/824.04	25.09	0.189	0.326
	383/836.49	25.03	0.244	0.500
	799/848.97	24.94	0.228	0.378
Cellular CDMA 835	1013/824.70	25.13	0.204	0.346
	383/836.49	25.15	0.237	0.460
	777/848.31	25.13	0.257	0.427
PCS CDMA 1900	25/1851.25	22.03	0.175	0.112
	600/1880	22.09	0.236	0.123
	1175/1908.75	22.14	0.235	0.115

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Waist Level SAR with 13.5mm Air Separation

Mode	Channel # / Frequency (MHz)	Conducted Power Before Test (dBm)	SAR, Average over 1g (mW/g)	
			Antenna Retracted	Antenna Extended
FM 835	991/824.04	25.05	0.164	0.256
	383/836.49	25.03	0.239	0.500
	799/848.97	24.97	0.545	0.490
Cellular CDMA 835	1013/824.70	25.17	0.169	0.340
	383/836.49	25.12	0.253	0.470
	777/848.31	25.16	0.262	0.440
PCS CDMA 1900	25/1851.25	21.96	0.223	0.170
	600/1880	22.05	0.243	0.145
	1175/1908.75	22.14	0.268	0.144

With KWC body worn accessories, the highest measured SAR in the cellular band is 0.593mW/g, in PCS band is 0.274 mW/g.