October 31, 2003
Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID: IHDT56DH1)

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Summary of FCC request for additional information

There was a request for additional information regarding Motorola's SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56DH1). The requested information is addressed below in the same numbering sequence received.

6. Please correct the typo in the SAR report data table, p.8: the AMPS left tilt Antenna Extended value should be 0.252 W/kg to match the plot.

Response: Please refer to the following updated table.

f (MHz)	Description	Conducted Output Power (dBm)	Left Head (15° Tilt Position)							
			Ant Extended				Ant Retracted			
			Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Simulate Temp (°C)	Measured (W/kg)	Drift (dB)	Extrapolated (W/kg)	Simulate Temp (°C)
Analog 800MHz	Channel 991	26.97								
	Channel 384	26.90	0.252	-0.05	0.26	19.50	0.218	-0.06	0.22	19.50
	Channel 799	26.93								
Digital 800MHz	Channel 1013	24.40								
	Channel 384	24.61	0.238	-0.06	0.24	19.9	0.202	-0.08	0.21	19.9
	Channel 779	24.53								
Digital 1900MHz	Channel 25	24.62								
	Channel 600	24.63	0.322	0.03	0.32	20	0.37	0.07	0.37	20
	Channel 1175	24.43								

7. Please provide the following SAR plots:

CDMA left tilt ant. ext.
CDMA left tilt ant. Retracted
CDMA right touch ant. ext.
CDMA right touch ant. Retracted
All right tilt plots (AMPS, CDMA, PCS, both ext. and retract. antenna)
All left touch plots (AMPS, CDMA, PCS, both ext. and retract. antenna)
PCS body- clip w/ 90 degree rotation, antenna retracted
CDMA body- clip against body, antenna extended
CDMA body- clip against body, antenna retracted

Response: Please refer to appendix 1 of this supplement.

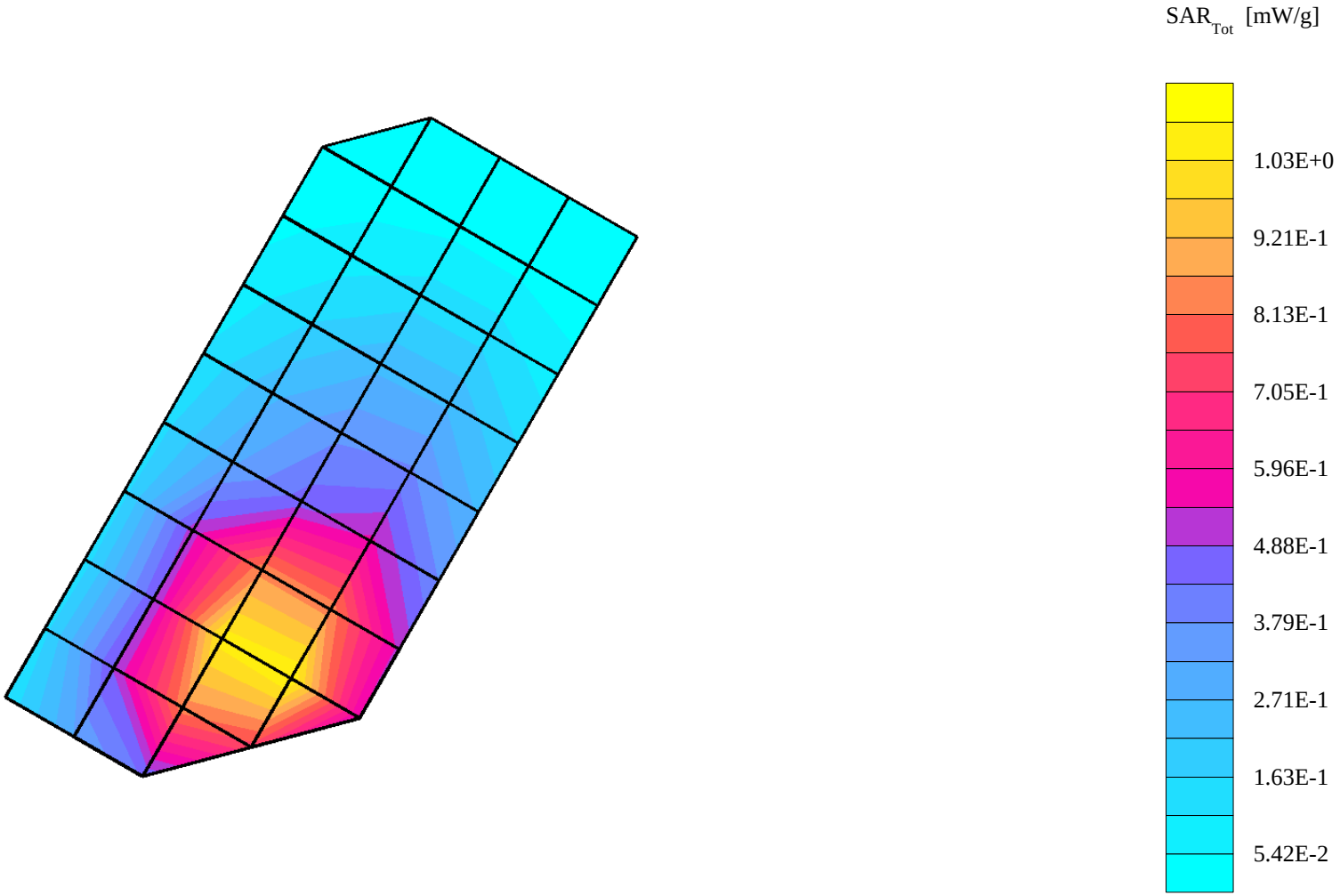
Appendix 1

Requested SAR plots

10/01/03

SN# 3D50A909

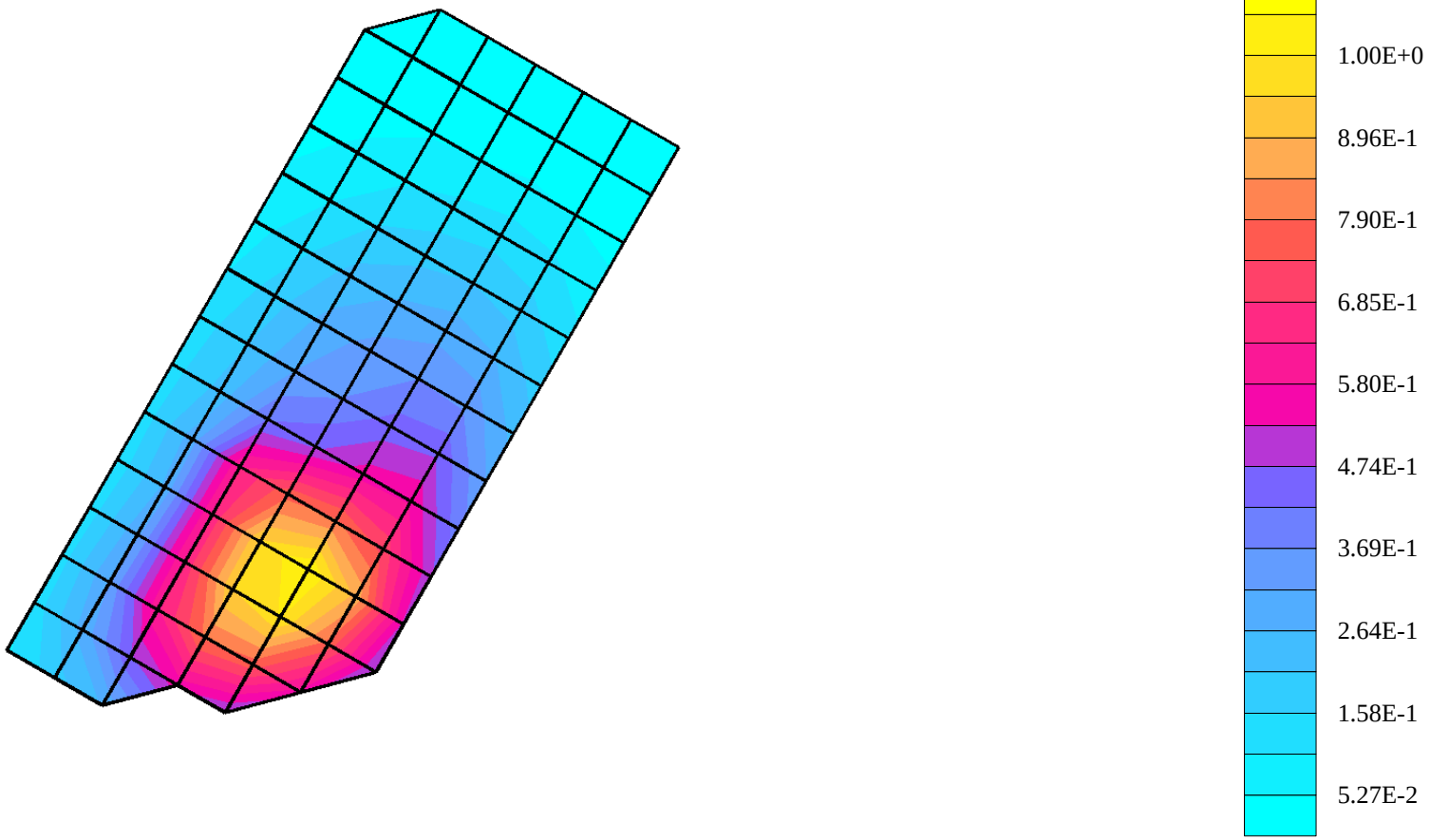
Ch# 384 / Pwr Step: Always Up / Antenna Position: Ext / Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.93 mho/m ε_r = 43.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.14 mW/g, SAR (10g): 0.757 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.5 (13.2, 16.0) [mm]
Powerdrift: -0.11 dB



10/01/03

SN# 3D50A909

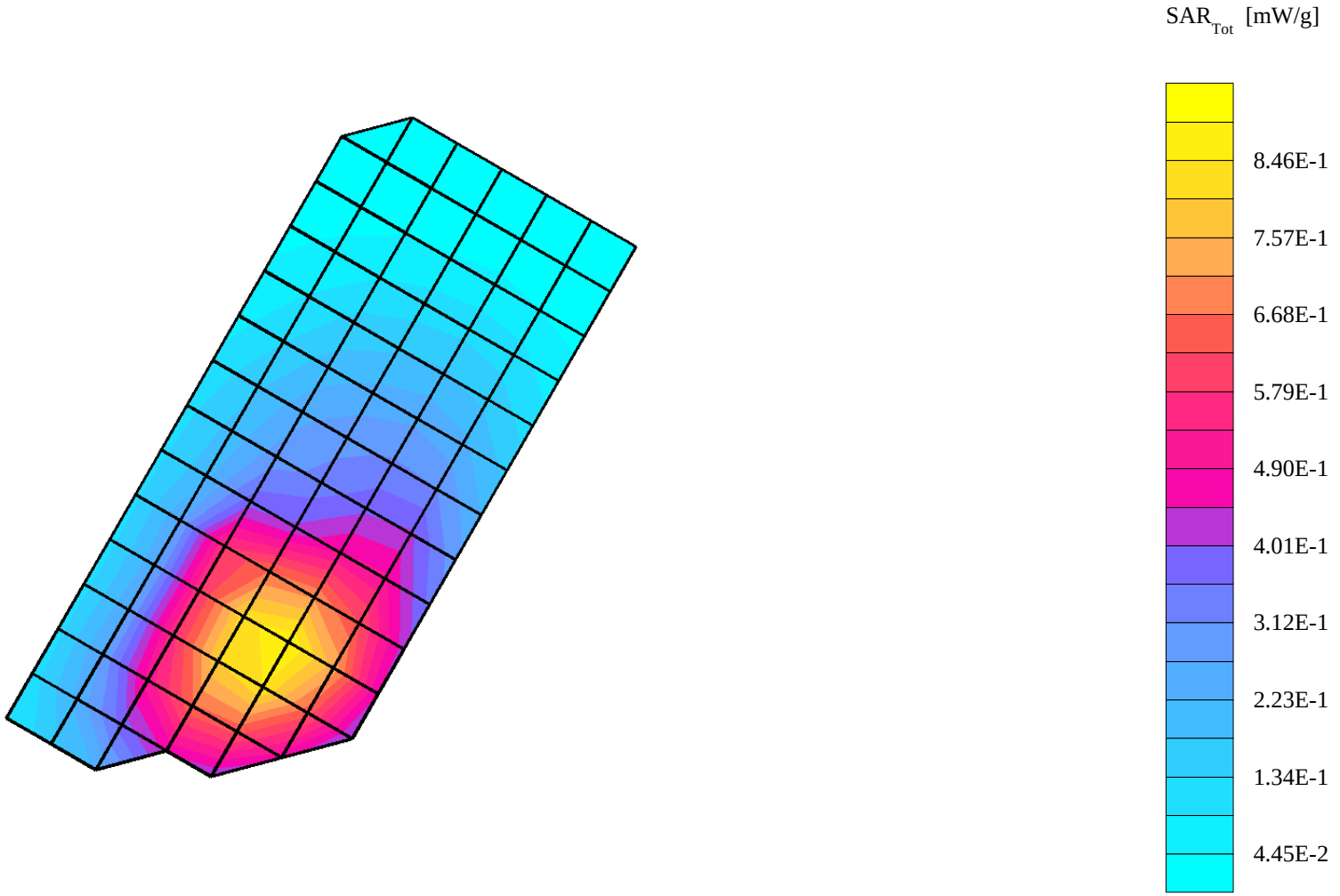
Ch# 799 / Pwr Step: Always UP / Antenna Position: EXT / Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 849 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.08 mW/g, SAR (10g): 0.710 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Penetration depth: 14.0 (13.2, 15.1) [mm]
Powerdrift: 0.13 dB



10/01/03

SN# 3D50A909

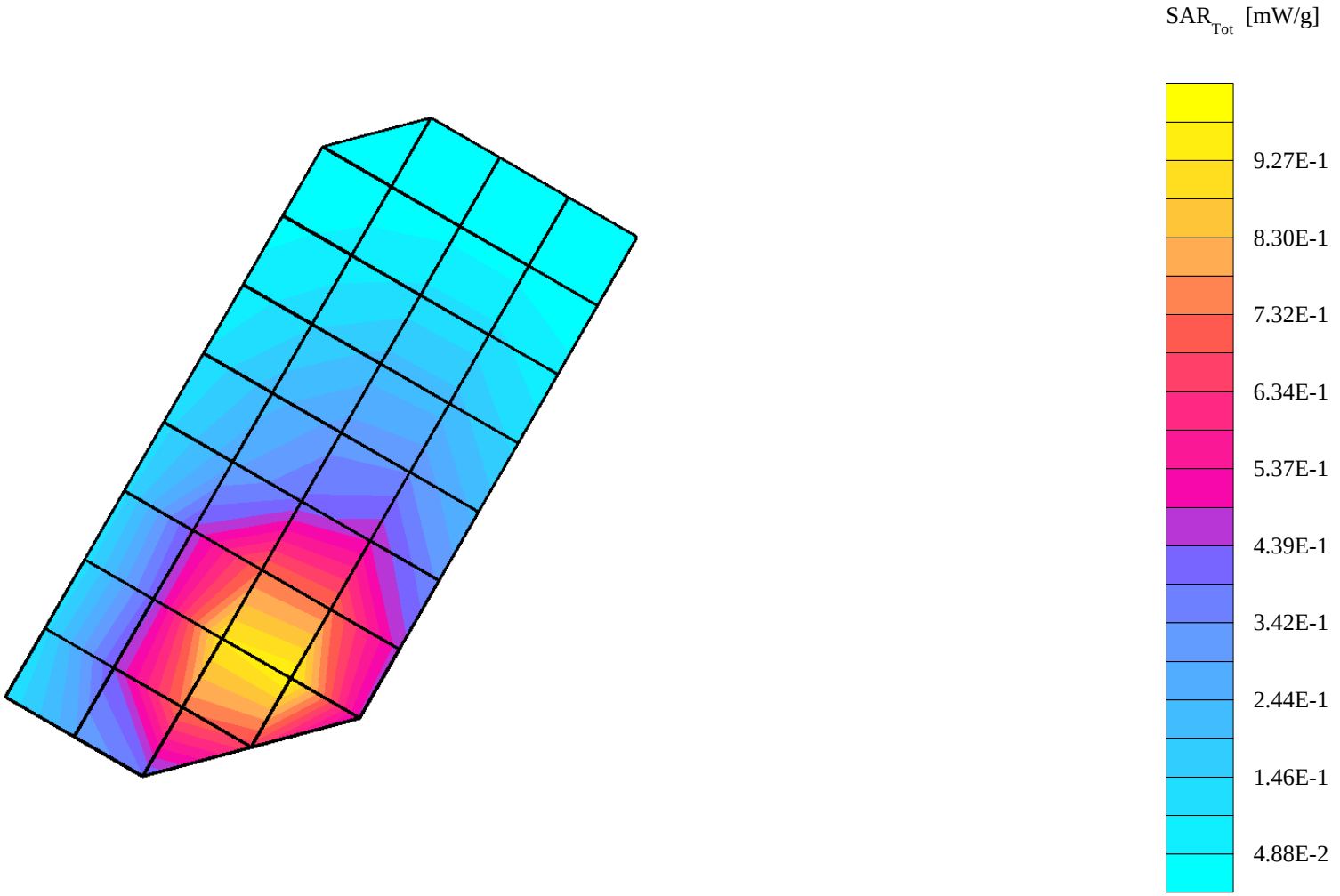
Ch# 991 / Pwr Step: Always UP / Antenna Position: EXT / Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 824 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.913 mW/g, SAR (10g): 0.604 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Penetration depth: 14.2 (12.6, 16.2) [mm]
Powerdrift: -0.11 dB



10/01/03

SN# 3D50A909

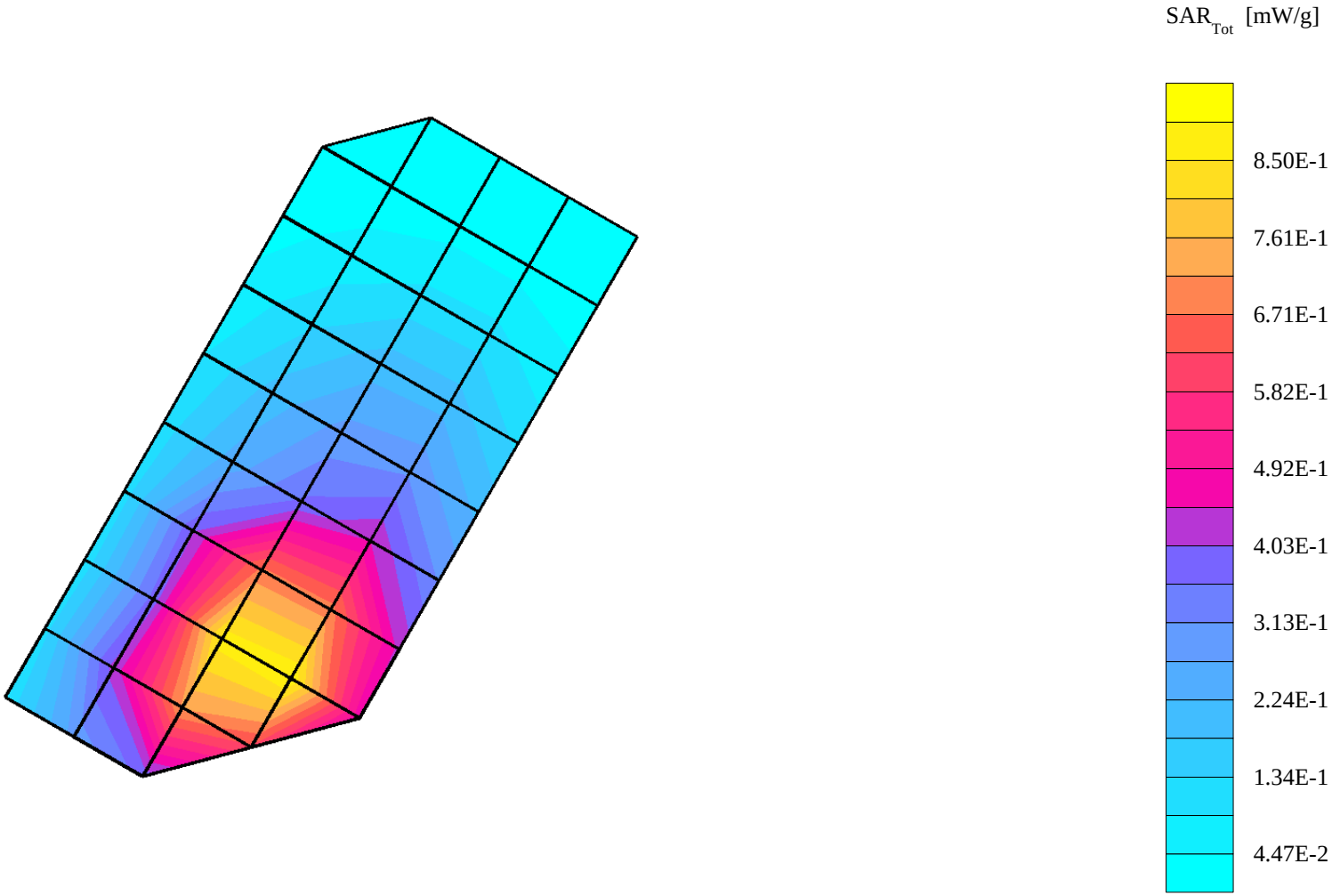
Ch# 384 / Pwr Step: Always Up / Antenna Position: Ret / Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.93 mho/m ε_r = 43.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.02 mW/g, SAR (10g): 0.669 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.4 (13.1, 16.0) [mm]
Powerdrift: -0.30 dB



10/01/03

SN# 3D50A909

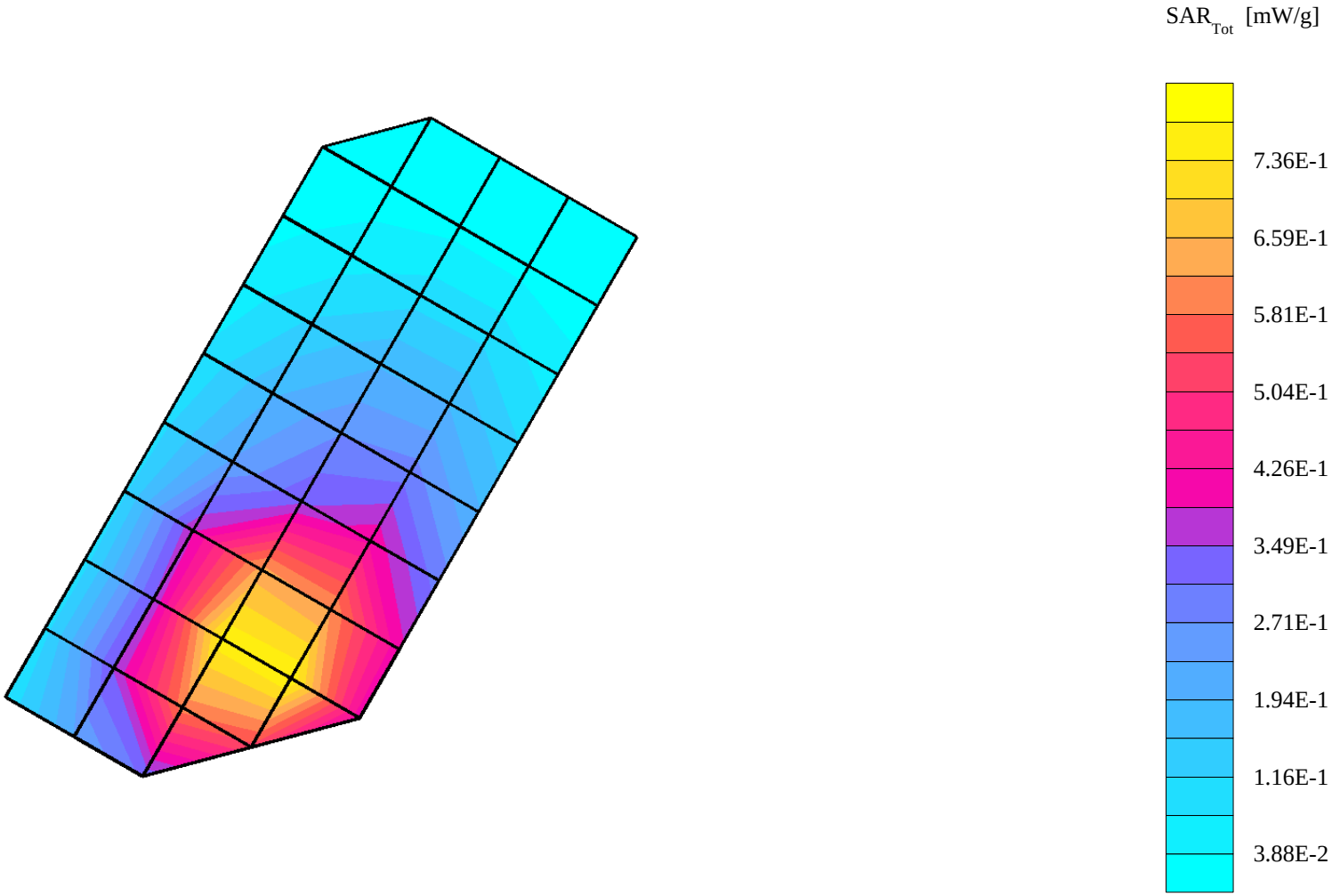
Ch# 799 / Pwr Step: Always UP / Antenna Position: RET/ Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 849 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.975 mW/g, SAR (10g): 0.630 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.1 (12.8, 15.6) [mm]
Powerdrift: -0.07 dB



10/01/03

SN# 3D50A909

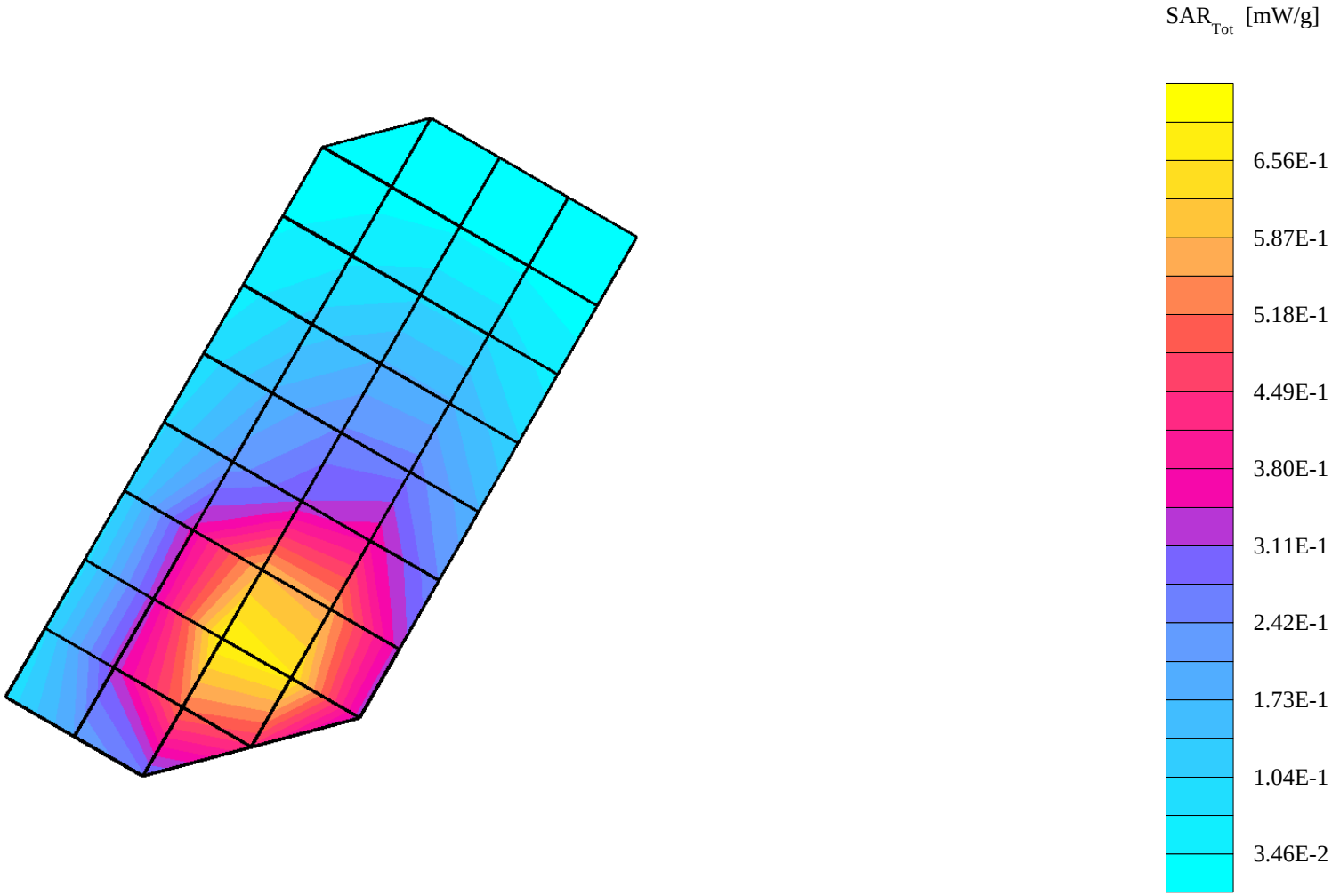
Ch# 991 / Pwr Step: Always UP / Antenna Position: RET / Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 824 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.841 mW/g, SAR (10g): 0.555 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.6 (13.1, 16.3) [mm]
Powerdrift: 0.01 dB



10/01/03

SN# 3D50A909

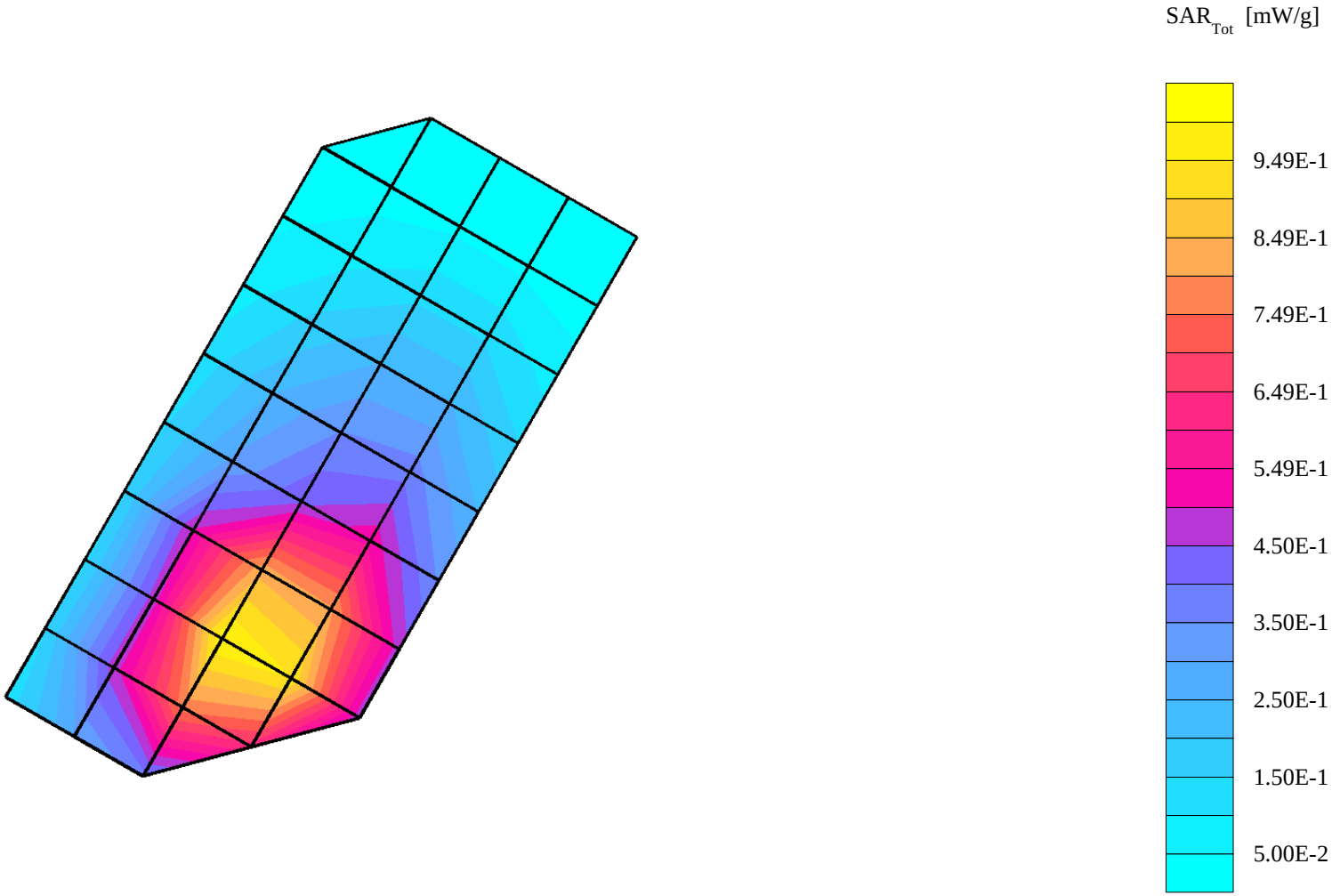
Ch# 1013 / Pwr Step: Always Up / Antenna Position: EXT / Battery Model #: SNN5725A / DEVICE POSITION: Cheek
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 825 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.795 mW/g, SAR (10g): 0.522 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 13.8 (12.3, 15.7) [mm]
Powerdrift: 0.15 dB



10/01/03

SN# 3D50A909

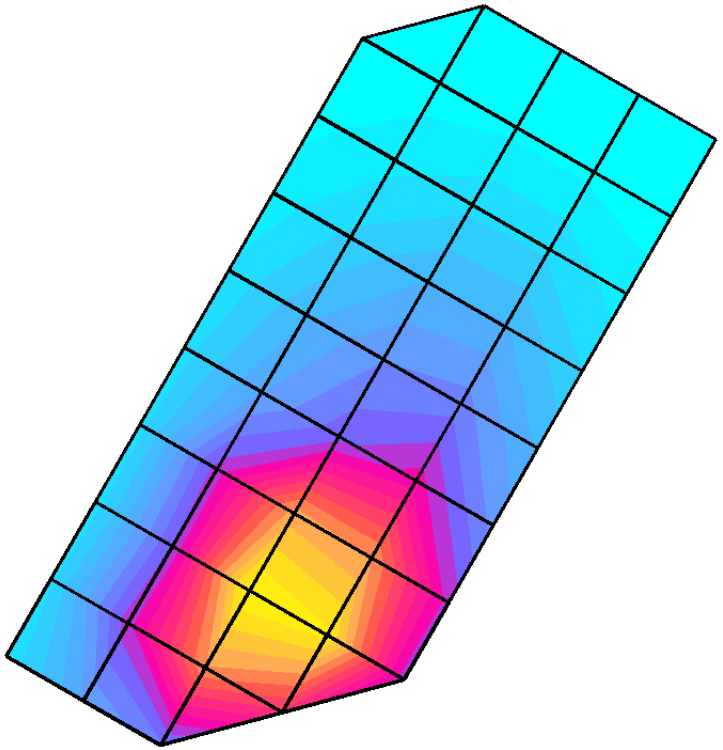
Ch# 384 / Pwr Step: Always Up / Antenna Position: EXT / Battery Model #: SNN5725A / DEVICE POSITION: Cheek
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.07 mW/g, SAR (10g): 0.706 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.3 (13.1, 15.7) [mm]
Powerdrift: -0.14 dB



10/01/03

SN# 3D50A909

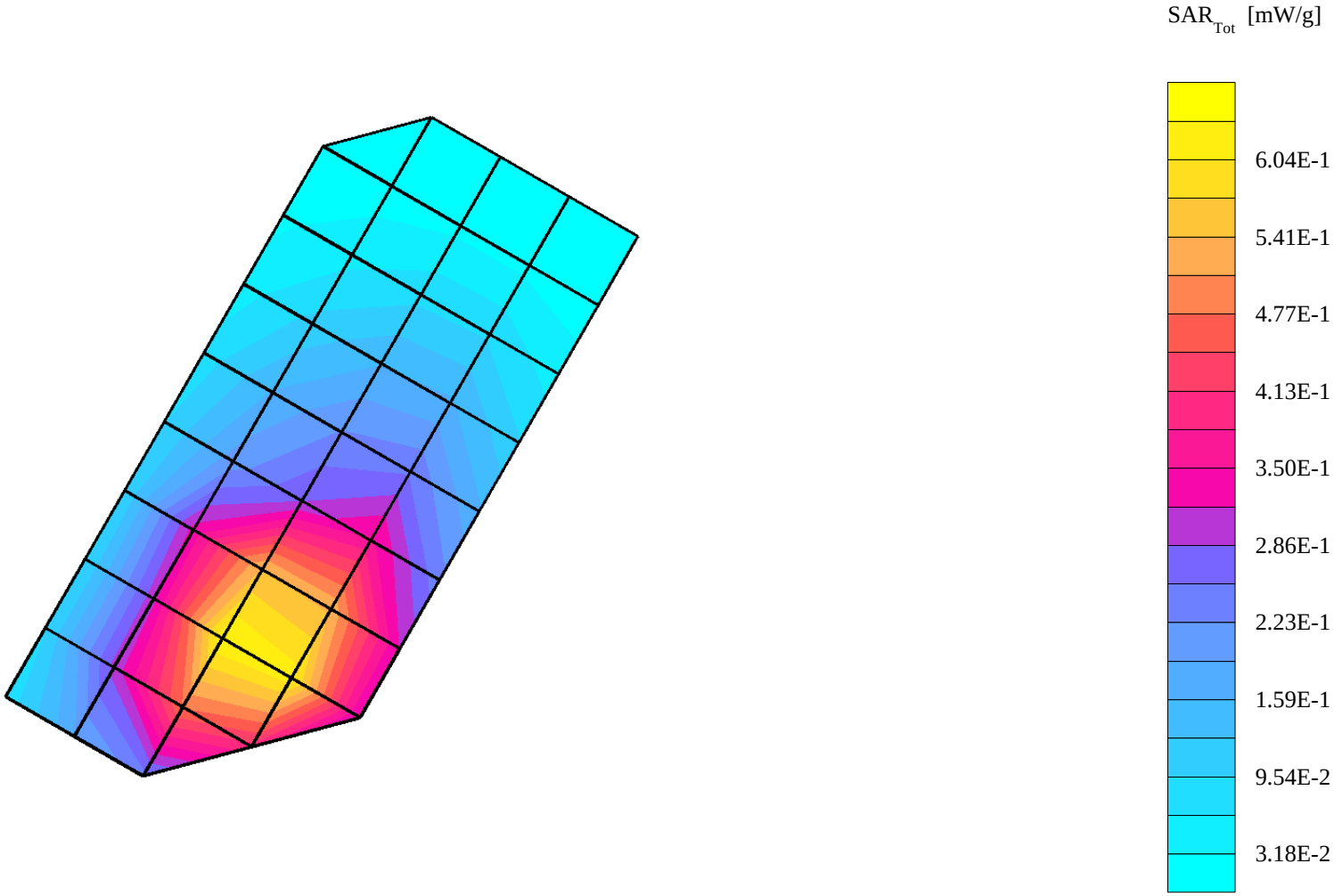
Ch# 777 / Pwr Step: Always Up / Antenna Position: EXT / Battery Model #: SNN5725A / DEVICE POSITION: Cheek
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 848 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.884 mW/g, SAR (10g): 0.582 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 15.0 (15.0, 15.2) [mm]
Powerdrift: 0.05 dB



10/01/03

SN# 3D50A909

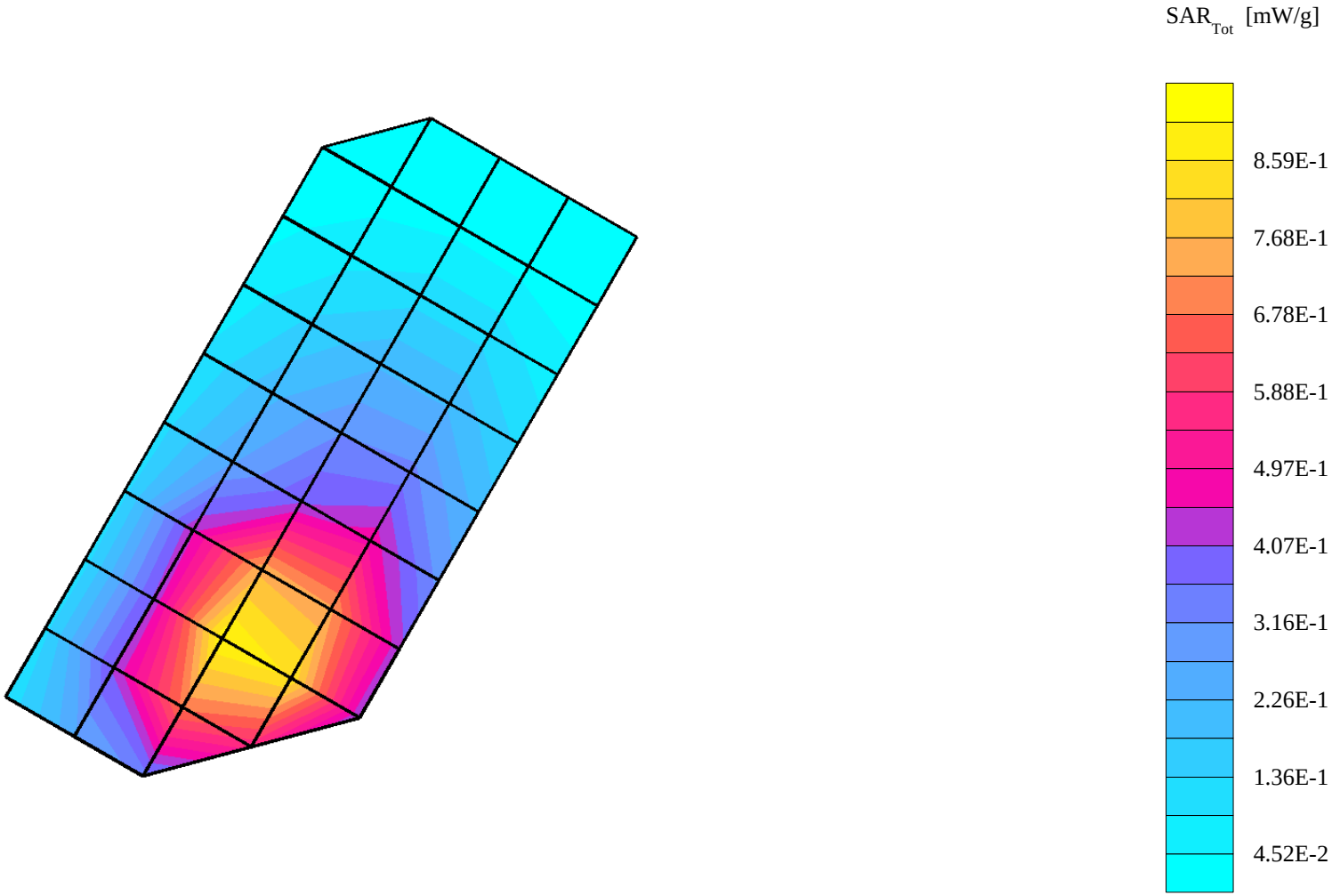
Ch# 1013 / Pwr Step: Always Up / Antenna Position: RET / Battery Model #: SNN5725A / DEVICE POSITION: Cheek
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 825 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.736 mW/g, SAR (10g): 0.480 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.4 (13.2, 15.9) [mm]
Powerdrift: 0.23 dB



10/01/03

SN# 3D50A909

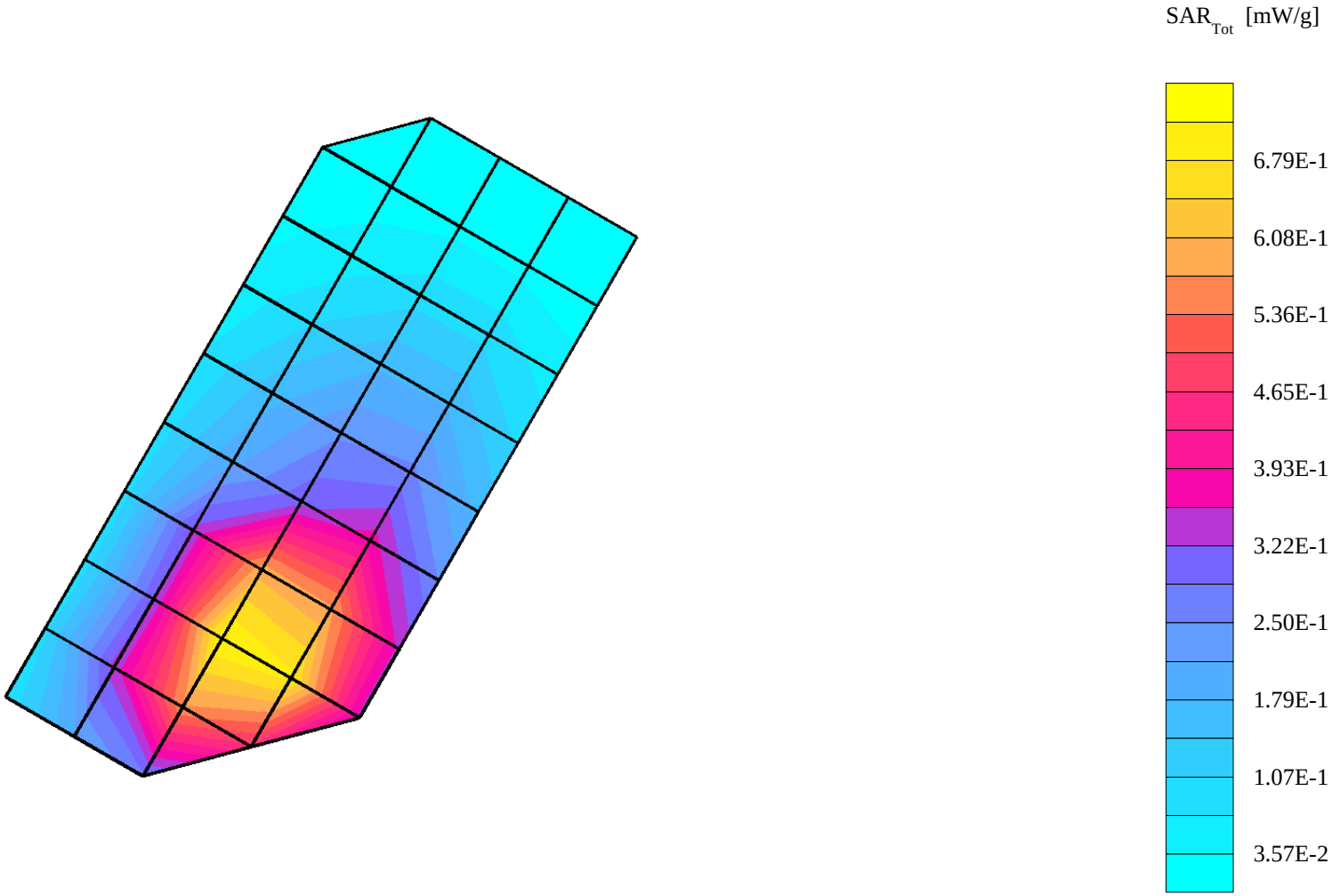
Ch# 384 / Pwr Step: Always Up / Antenna Position: RET / Battery Model #: SNN5725A / DEVICE POSITION: Cheek
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.964 mW/g, SAR (10g): 0.633 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 13.6 (10.9, 17.1) [mm]
Powerdrift: 0.06 dB



10/01/03

SN# 3D50A909

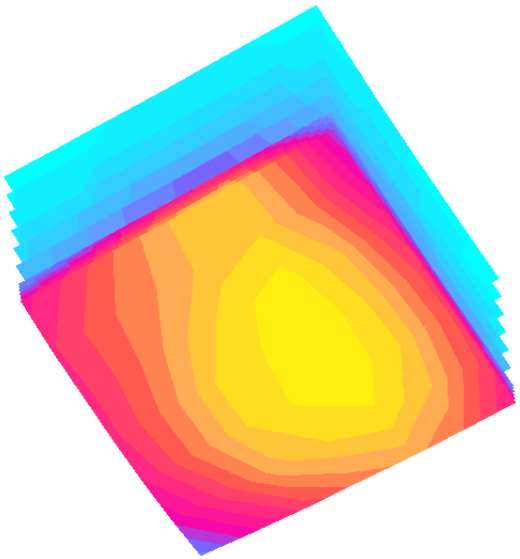
Ch# 777 / Pwr Step: Always Up / Antenna Position: RET/ Battery Model #: SNN5725A / DEVICE POSITION: Cheek
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 848 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.777 mW/g, SAR (10g): 0.513 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 14.3 (13.1, 15.7) [mm]
Powerdrift: 0.18 dB

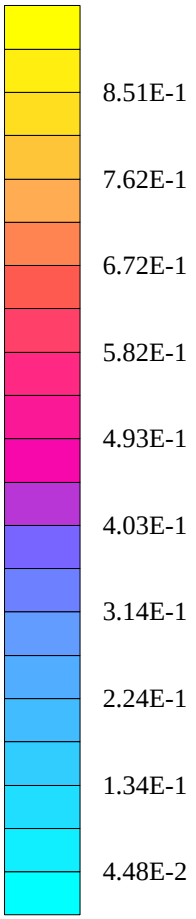


10/03/03

SN# 3D50A909

Ch#600 / Pwr Step: alwaysup / Antenna Position:ext / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): cheek
R5: TP-1160 GLYCOL SAM Expanded (Rev. 2)-9Jan03 Phantom; LH Front Tilt 20 Section; Position: (80°,180°); Frequency: 1880 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.45 mho/m ε_r = 38.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.584 mW/g, SAR (10g): 0.372 mW/g, (Worst-case extrapolation)
Cube 7x7x7: Dx = 5.0, Dy = 5.0, Dz = 5.0
Penetration depth: 13.6 (12.5, 14.6) [mm]

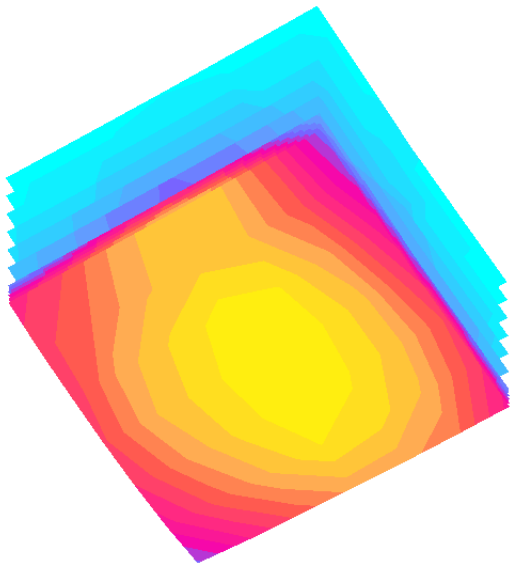


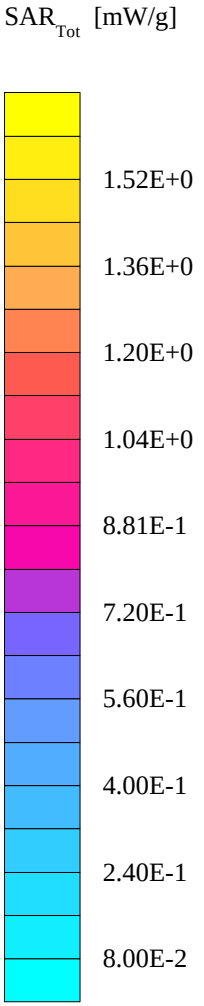


10/03/03

SN# 3D50A909

Ch# 600 / Pwr Step: 0 alwaysup / Antenna Position: ret / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): cheek
R5: TP-1160 GLYCOL SAM Expanded (Rev. 2)-9Jan03 Phantom; LH Front Tilt 20 Section; Position: (80°,180°); Frequency: 1880 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.45 mho/m ε_r = 38.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.05 mW/g, SAR (10g): 0.669 mW/g, (Worst-case extrapolation)
Cube 7x7x7: Dx = 5.0, Dy = 5.0, Dz = 5.0
Penetration depth: 13.7 (12.2, 15.2) [mm]



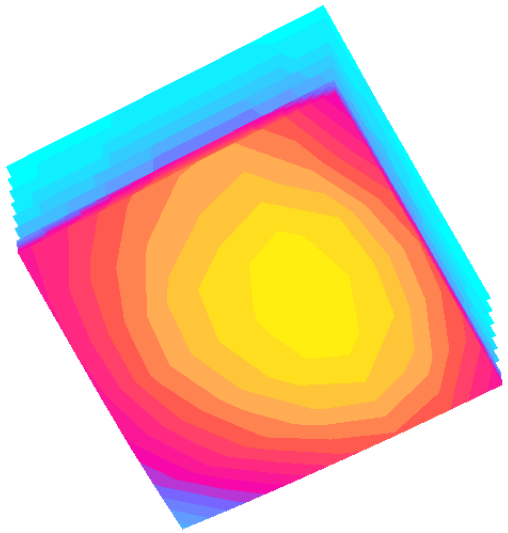


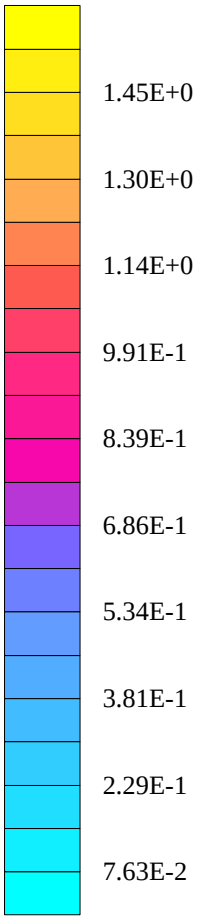
Motorola, Inc.

10/03/03

SN# 3D50A909

Ch# 1175 / Pwr Step: alwaysup / Antenna Position: ret / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): cheek
R5: TP-1160 GLYCOL SAM Expanded (Rev. 2)-9Jan03 Phantom; LH Front Tilt 20 Section; Position: (80°,180°); Frequency: 1909 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.45 mho/m ε_r = 38.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.978 mW/g, SAR (10g): 0.611 mW/g, (Worst-case extrapolation)
Cube 7x7x7: Dx = 5.0, Dy = 5.0, Dz = 5.0
Penetration depth: 12.4 (11.6, 13.2) [mm]

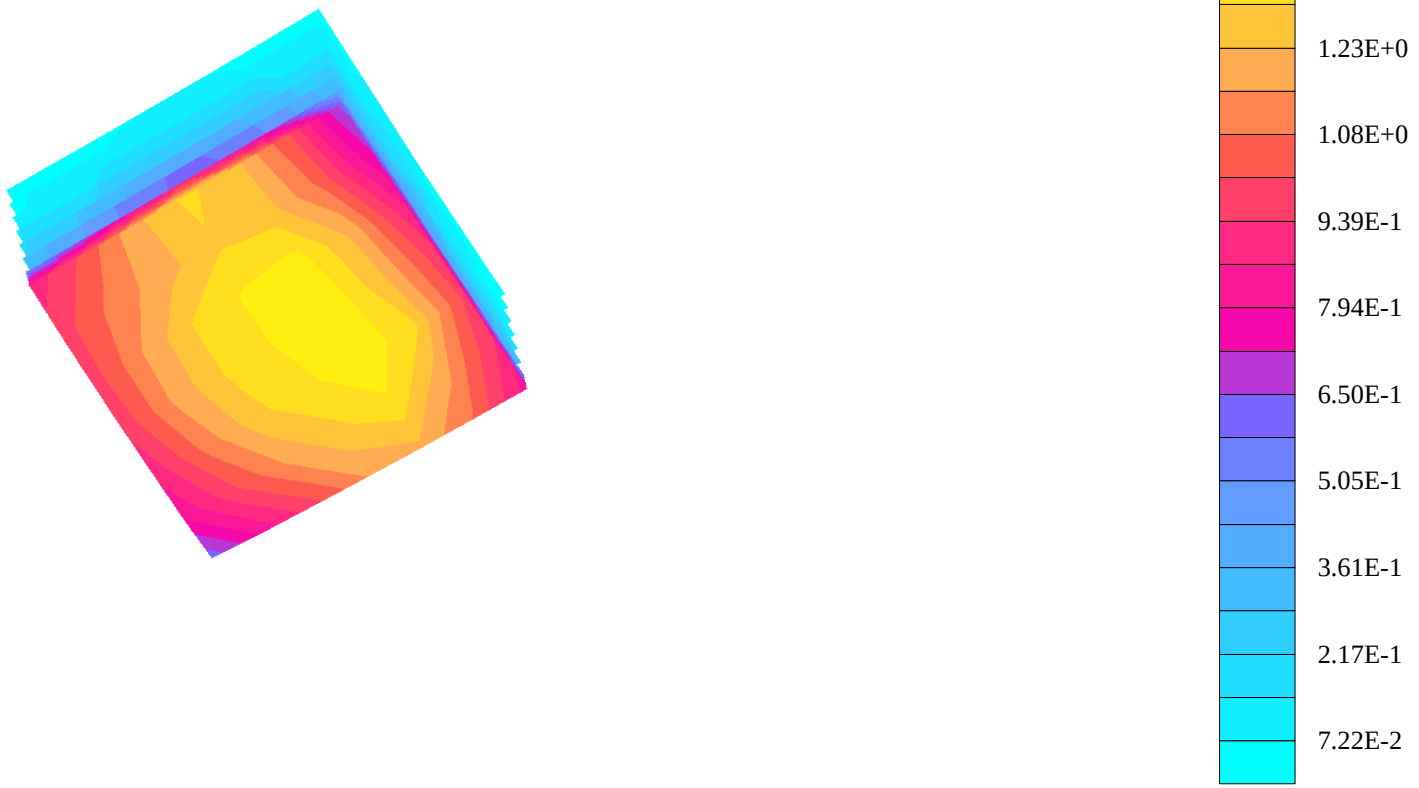




10/03/03

SN# 3D50A909

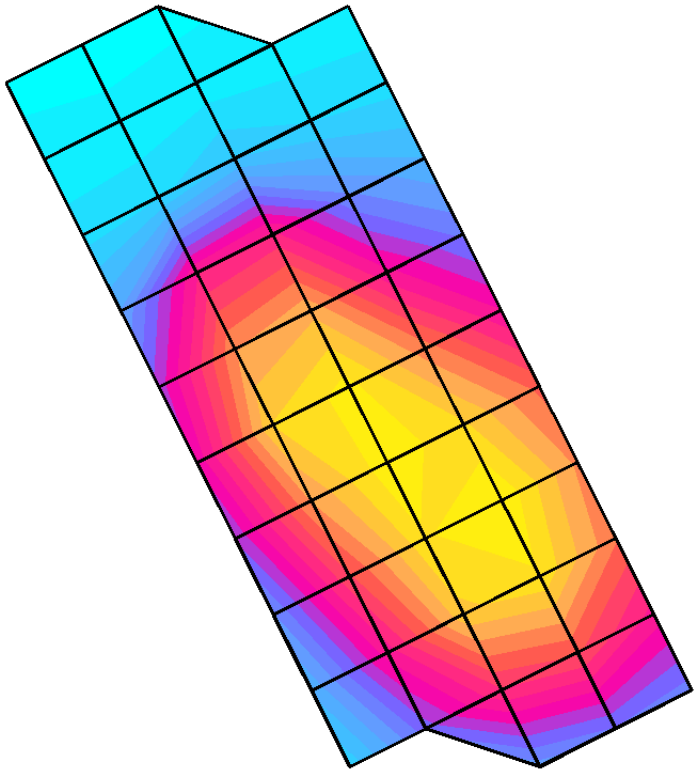
Ch# 25 / Pwr Step: alwaysup / Antenna Position: ret / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): cheek
R5: TP-1160 GLYCOL SAM Expanded (Rev. 2)-9Jan03 Phantom; LH Front Tilt 20 Section; Position: (80°,180°); Frequency: 1851 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.45 mho/m ε_r = 38.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.951 mW/g, SAR (10g): 0.609 mW/g, (Worst-case extrapolation)
Cube 7x7x7: Dx = 5.0, Dy = 5.0, Dz = 5.0
Penetration depth: 14.1 (12.7, 15.4) [mm]
Powerdrift: 0.18 dB

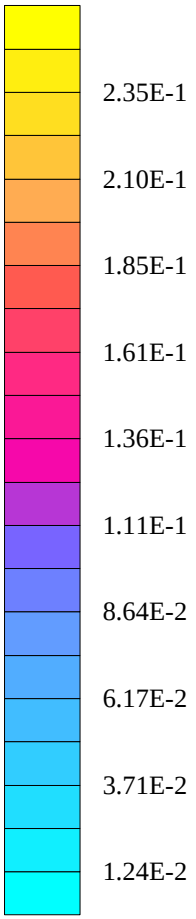


10/02/03

SN# 3D50A909

Ch# 384 / Pwr Step: 02 / Antenna Position: ext / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): tilt
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.91 mho/m ε_r = 42.3 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.256 mW/g, SAR (10g): 0.192 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 18.6 (15.3, 22.2) [mm]
Powerdrift: -0.08 dB

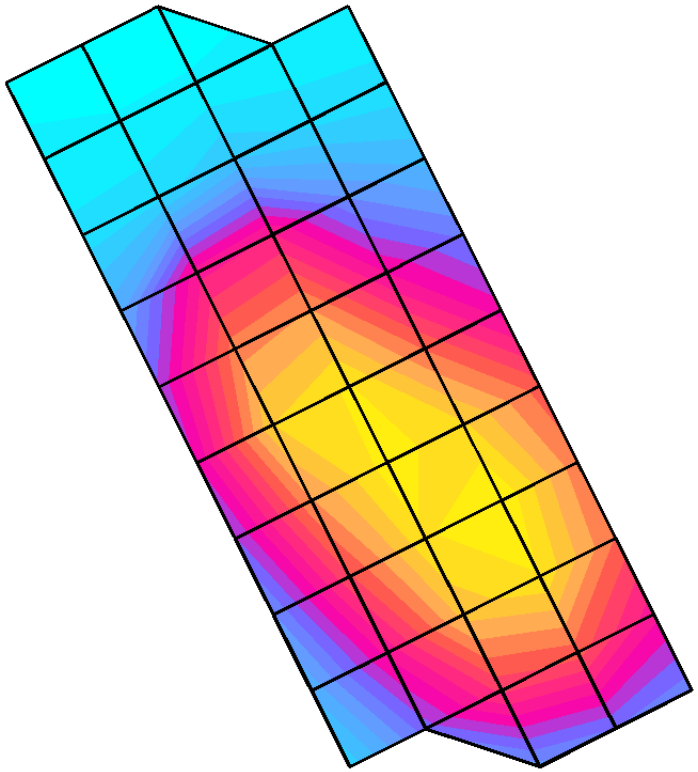


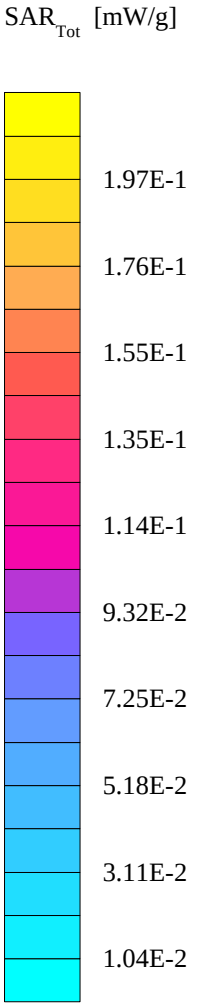


10/02/03

SN# 3D50A909

Ch# 384 / Pwr Step: 02 / Antenna Position:ret / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): tilt
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.91 mho/m ε_r = 42.3 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.215 mW/g, SAR (10g): 0.163 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 20.9 (20.9, 21.1) [mm]
Powerdrift: 0.01 dB

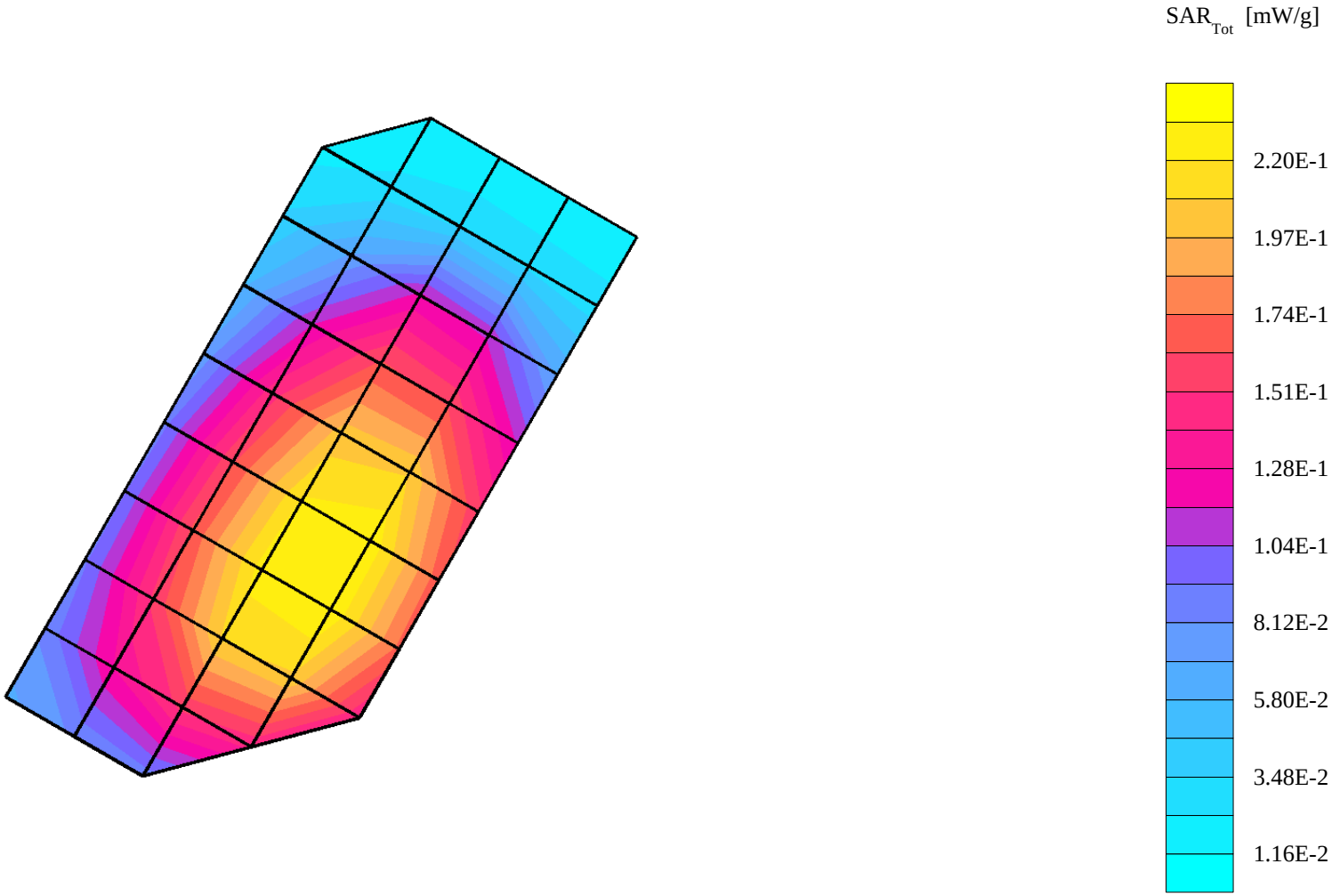




10/01/03

SN# 3D50A909

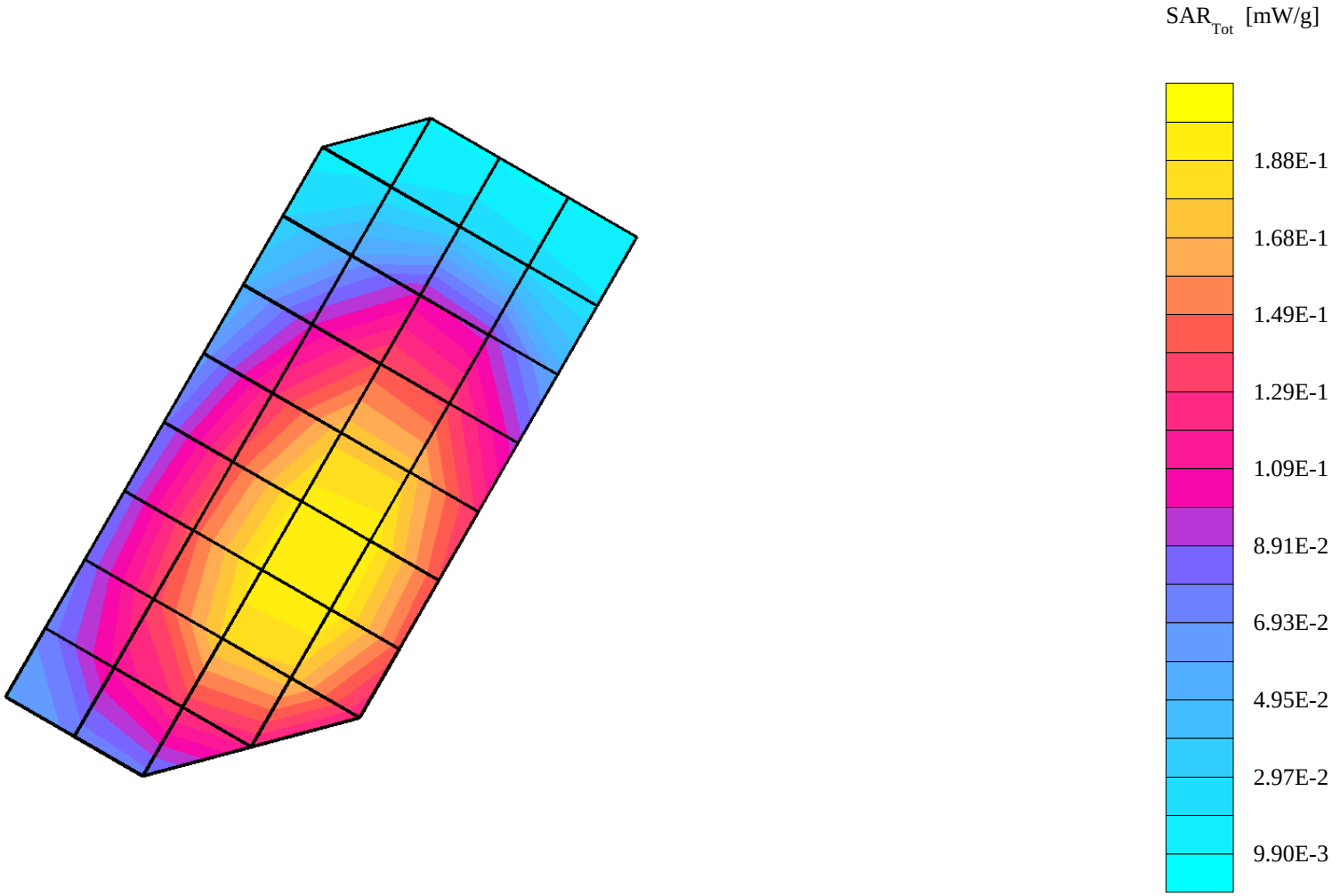
Ch# 384 / Pwr Step: Always Up / Antenna Position: EXT / Battery Model #: SNN5725A / DEVICE POSITION: Tilted 15*
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.238 mW/g, SAR (10g): 0.179 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 19.5 (18.0, 21.1) [mm]
Powerdrift: -0.06 dB



10/01/03

SN# 3D50A909

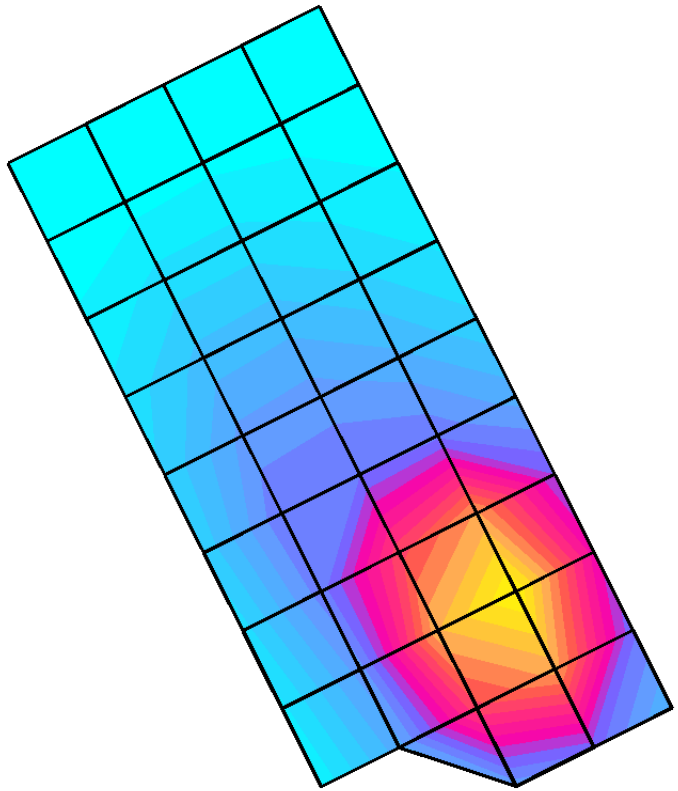
Ch# 384 / Pwr Step: Always Up / Antenna Position: RET / Battery Model #: SNN5725A / DEVICE POSITION: Tilted 15*
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.202 mW/g, SAR (10g): 0.152 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 19.5 (18.3, 20.8) [mm]
Powerdrift: -0.08 dB



09/30/03

SN# 3D50A909

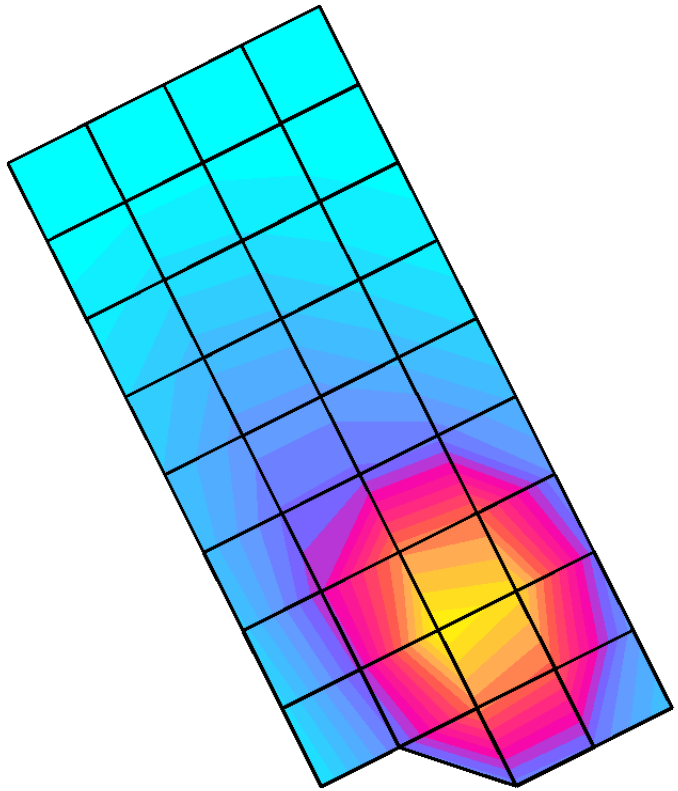
Ch# 384 / Pwr Step: 02 (OTA) / Antenna Position: EXT/ Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.93 mho/m ε_r = 43.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.20 mW/g, SAR (10g): 0.771 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 13.1 (11.9, 14.7) [mm]
Powerdrift: -0.13 dB

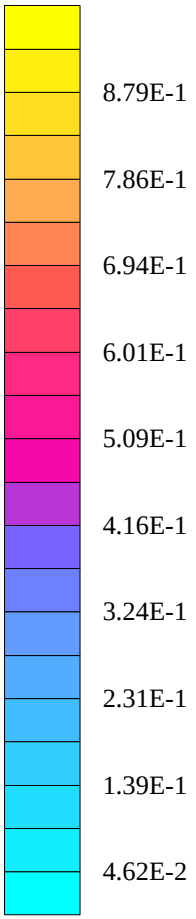


09/30/03

SN# 3D50A909

Ch# 384 / Pwr Step: Always Up / Antenna Position: Ret / Battery Model #: SNN5725A / DEVICE POSITION: Cheek touch
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.93 mho/m ε_r = 43.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.07 mW/g, SAR (10g): 0.686 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 13.7 (12.5, 15.2) [mm]
Powerdrift: -0.13 dB

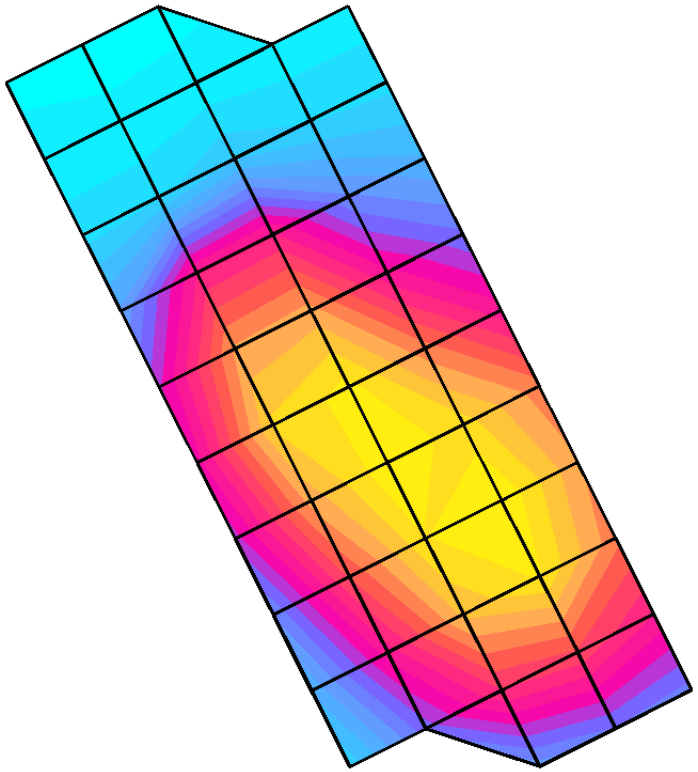


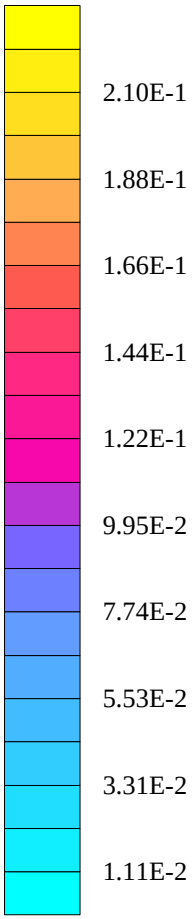


10/02/03

SN# 3D50A909

Ch# 384 / Pwr Step: alwayup / Antenna Position: ext / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): tilt
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.91 mho/m ε_r = 42.3 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.234 mW/g, SAR (10g): 0.178 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 20.3 (19.0, 21.6) [mm]
Powerdrift: 0.05 dB

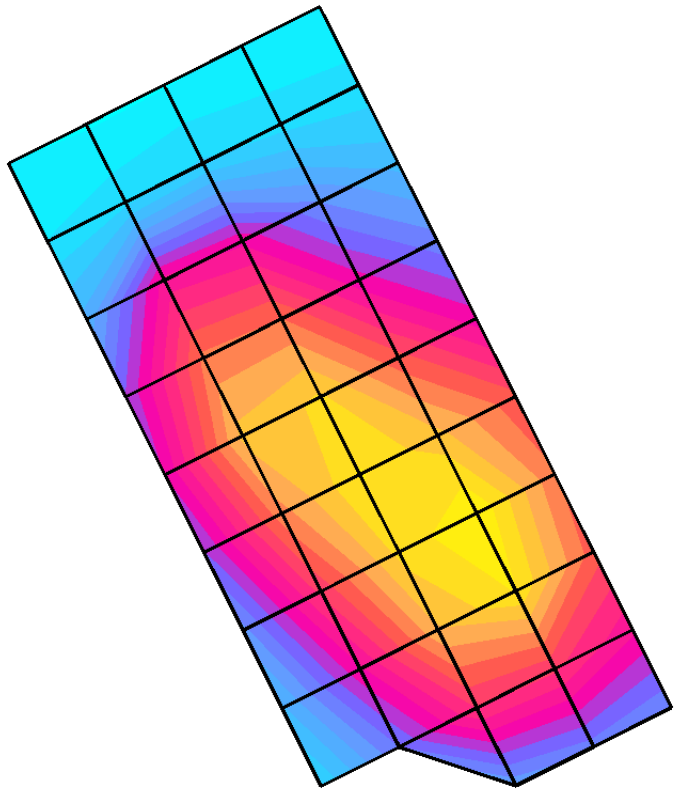




10/02/03

SN# 3D50A909

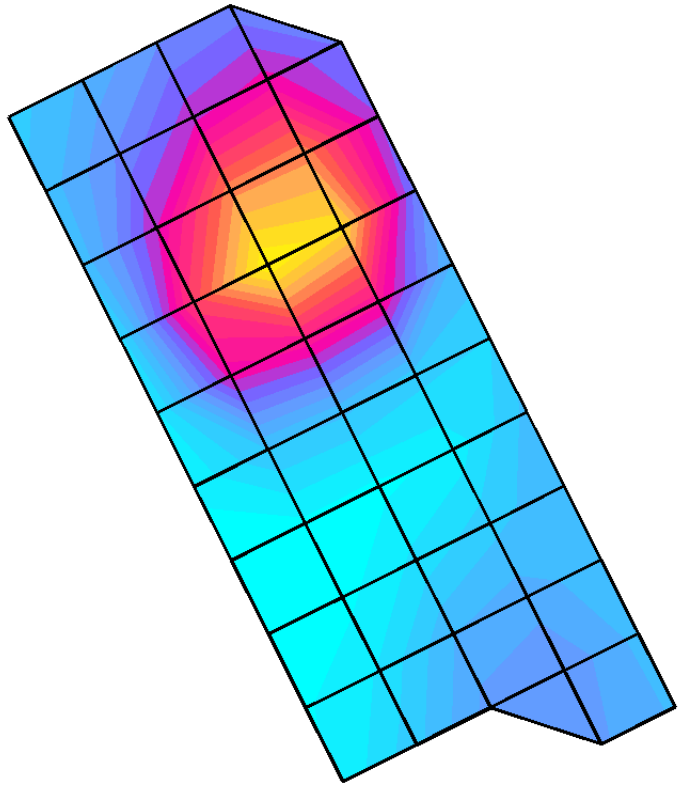
Ch# 384 / Pwr Step: Always Up / Antenna Position: Ret / Battery Model #: SNN5725A / DEVICE POSITION: Tilted 15*
R5 TP-1132 Sugar SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.92 mho/m ε_r = 42.7 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.209 mW/g, SAR (10g): 0.157 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 19.1 (17.3, 21.0) [mm]
Powerdrift: -0.13 dB

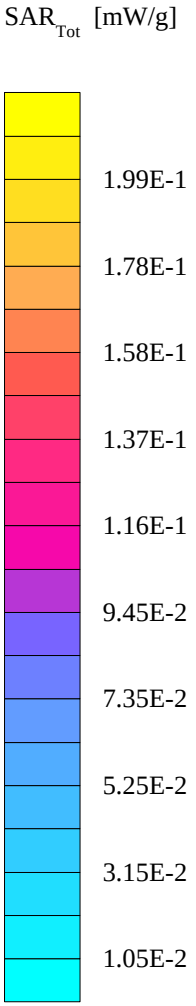


10/03/03

SN# 3D50A909

Ch# 600 / Pwr Step: alwaysup / Antenna Position: ext / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): tilt
R5: TP-1160 GLYCOL SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 1880 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.45 mho/m ε_r = 38.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.213 mW/g, SAR (10g): 0.131 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 11.1 (10.7, 11.6) [mm]
Powerdrift: 0.10 dB

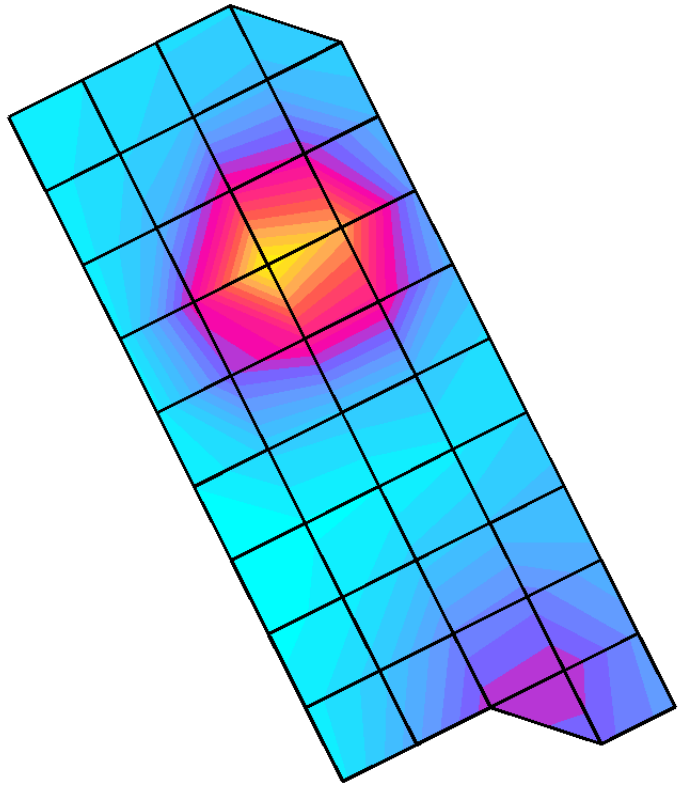


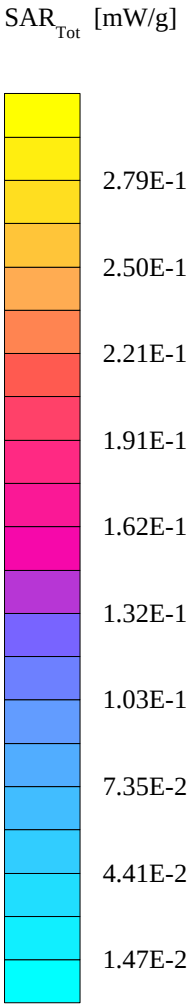


10/03/03

SN# 3D50A909

Ch# 600 / Pwr Step: 0 alwaysup / Antenna Position: ret / Battery Model #: snn5725a / DEVICE POSITION (cheek or rotated): tilt
R5: TP-1160 GLYCOL SAM Expanded (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 1880 MHz
Probe: ET3DV6R - SN1501 - IEEE Head; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.45 mho/m ε_r = 38.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.288 mW/g, SAR (10g): 0.172 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 11.2 (10.9, 11.5) [mm]
Powerdrift: -0.09 dB

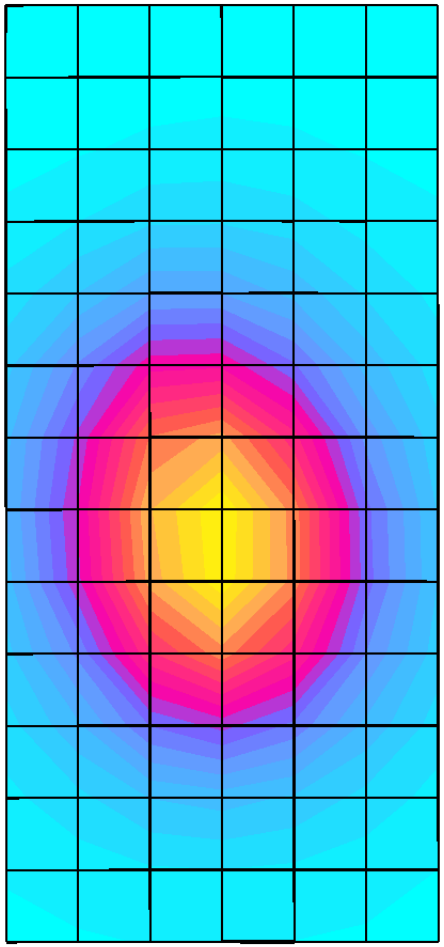


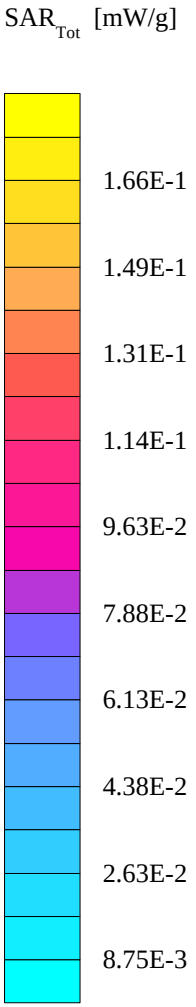


10/02/03

SN# 3D50A909

Ch# 384 / Pwr Step: 02 always up / Antenna Position: ret / Battery Model #: snn5725a / Accessory Model # = syn9894a std position
R5 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 1 Section; Position: (0°,0°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - FCC Body; ConvF(6.10,6.10,6.10); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.97 mho/m ε_r = 55.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.183 mW/g, SAR (10g): 0.128 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 15.0 (12.8, 17.6) [mm]
Powerdrift: 0.05 dB

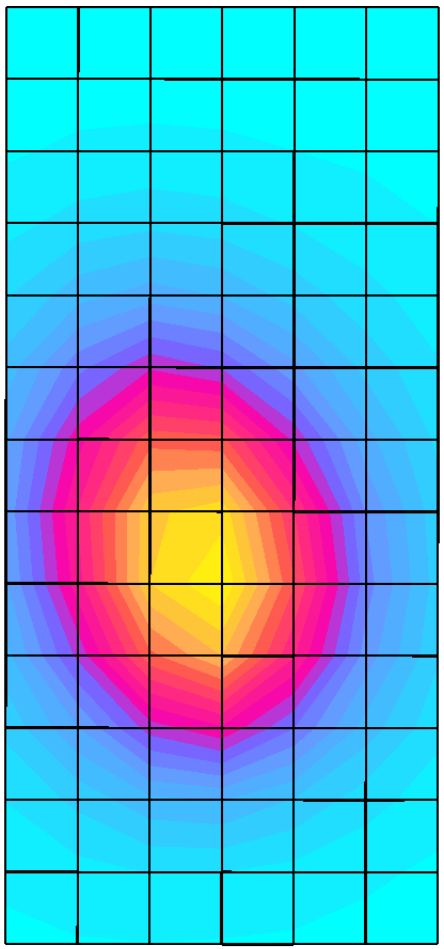


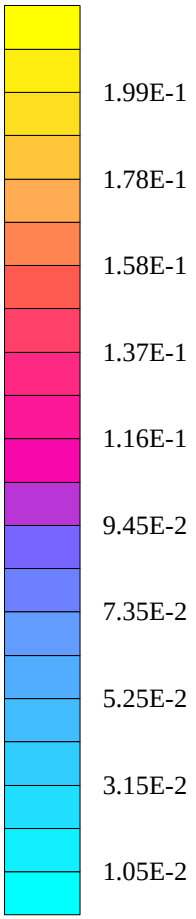


10/02/03

SN# 3D50A909

Ch# 384 / Pwr Step: 02 always up / Antenna Position: ext / Battery Model #: snn5725a / Accessory Model # = syn9894a std position
R5 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 1 Section; Position: (0°,0°); Frequency: 837 MHz
Probe: ET3DV6R - SN1501 - FCC Body; ConvF(6.10,6.10,6.10); Crest factor: 1.0; 835 MHz Head & Body: σ = 0.97 mho/m ε_r = 55.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.213 mW/g, SAR (10g): 0.149 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 15.3 (12.3, 18.9) [mm]
Powerdrift: 0.05 dB





10/03/03

SN# 3D50A909

Ch# 600 / Pwr Step: Always Up / Antenna Position: RET / Battery Model #: SNN5725A / Accessory Model # = SYN9894A Turned 90* clockwise
R5 Amy Twin Phantom Rev.4 (22Aug02) Phantom; section 2 Section; Position: (0°,0°); Frequency: 1880 MHz
Probe: ET3DV6R - SN1501 - FCC Body; ConvF(4.60,4.60,4.60); Crest factor: 1.0; 1880 MHz Head & Body: σ = 1.58 mho/m ε_r = 51.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.304 mW/g, SAR (10g): 0.186 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Penetration depth: 10.9 (9.7, 12.5) [mm]
Powerdrift: -0.28 dB