

APPENDIX B:  
SAR Distribution Plots  
For  
Model 3250

**Section 1**  
**SAR Distribution plots for Head Adjacent Use Configuration**

08/05/03

3250

CDMA-800 ch383 Left Cheek with Backpack Clip

Liquid Temp = 22C +/- 1deg C

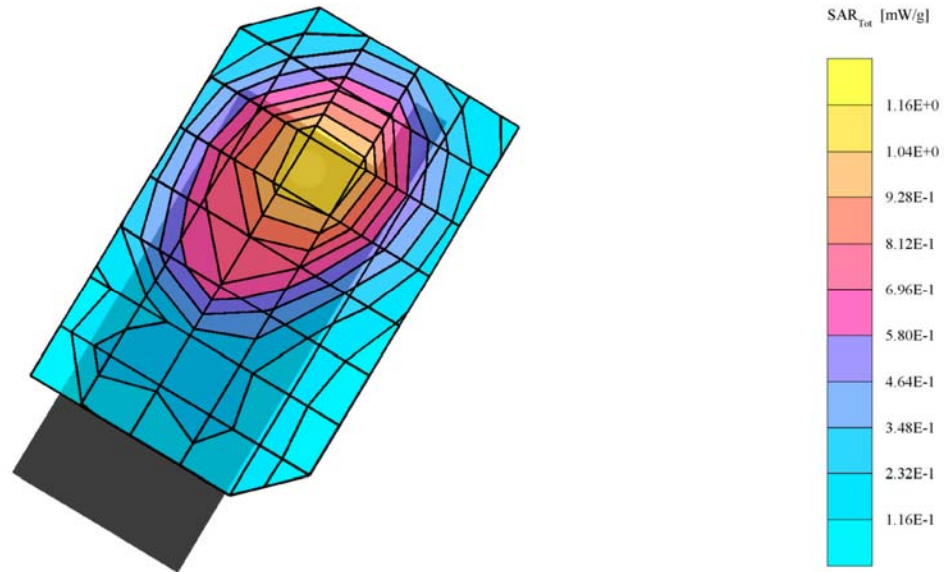
SAM Phantom, Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.19 mW/g, SAR (10g): 0.782 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.06 dB



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3250

CDMA-800 ch383 Left Cheek with Backpack Clip

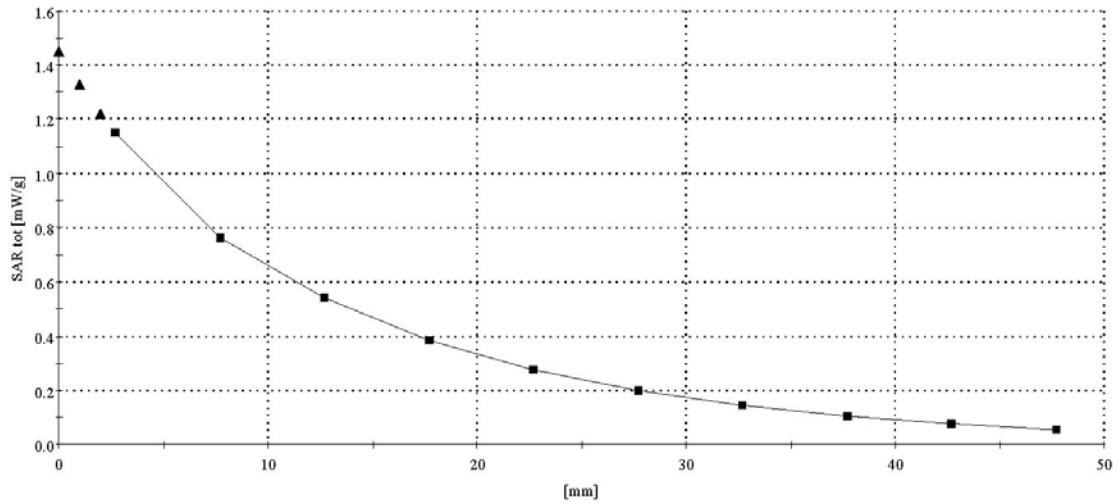
Liquid Temp = 22C +/- 1deg.C

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

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>

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



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**3250**

CDMA-800 ch383 Left Cheek

Liquid Temp = 22C $\pm$  1deg C

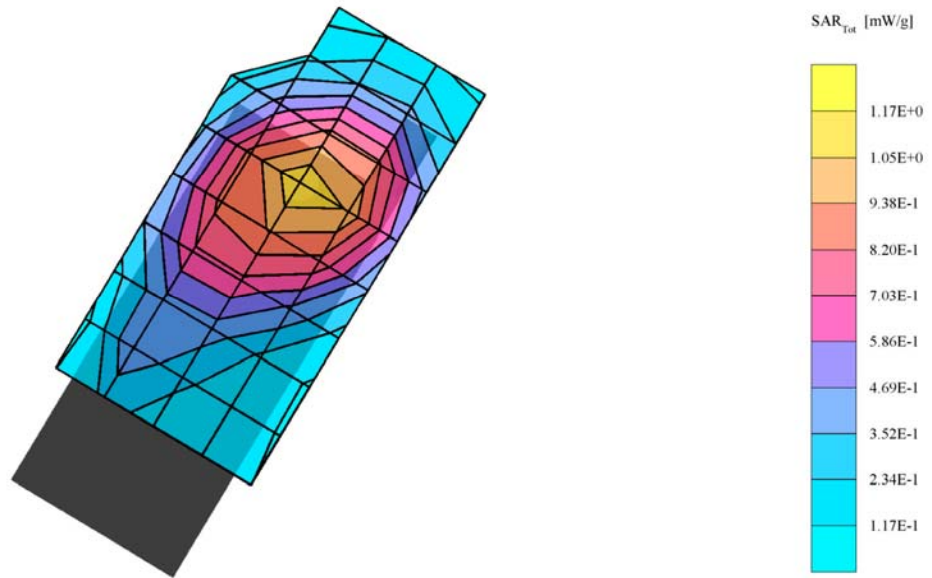
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm $^3$ 

Cube 7x7x7: SAR (1g): 1.14 mW/g, SAR (10g): 0.759 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.01 dB



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**3250**

CDMA-800 ch383 Left Tilt

Liquid Temp = 22C±1deg C

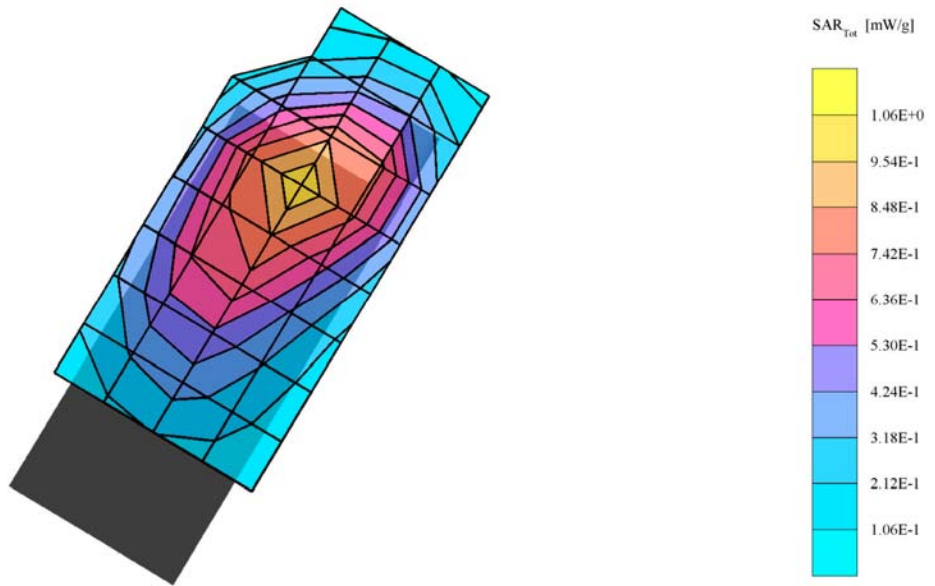
SAM Phantom, Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.00 mW/g, SAR (10g): 0.654 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.05 dB



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3250

CDMA-800 ch383 Right Cheek

Liquid Temp = 22C +/- 1deg C

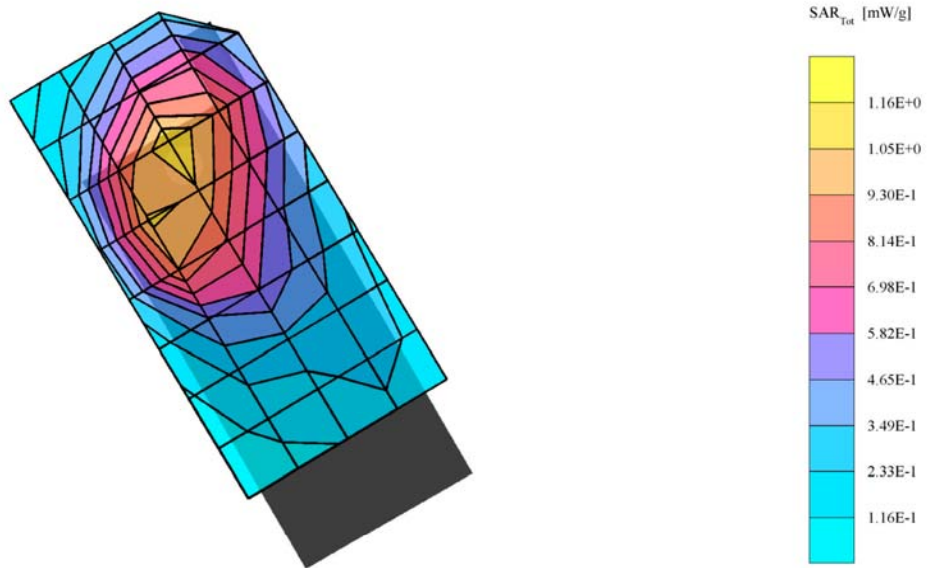
SAM Phantom, Right Hand Section; Position: (90°, 300°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.11 mW/g, SAR (10g): 0.748 mW/g \* Max outside, (Worst-case extrapolation)

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

Powerdrift: 0.02 dB

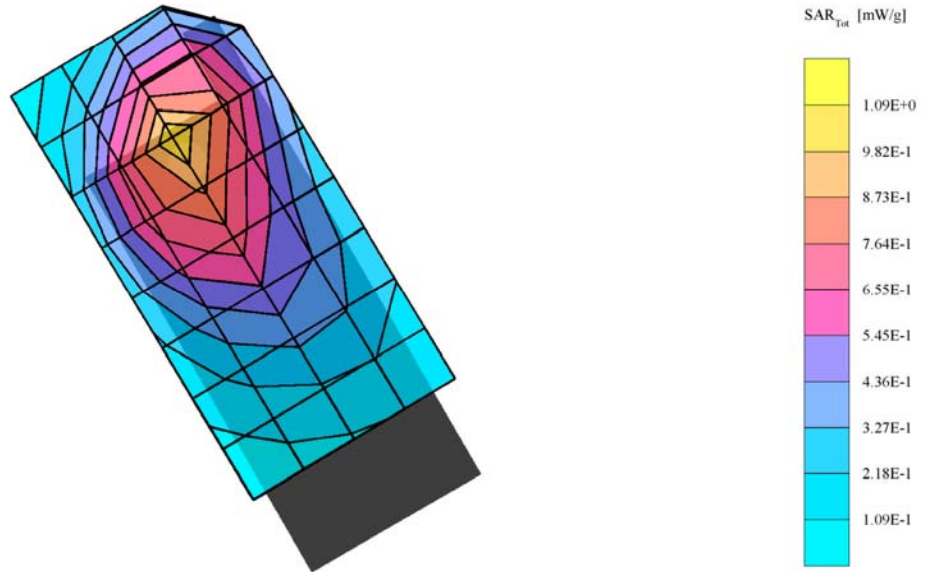


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3250

CDMA-800 ch383 Right Tilt  
Liquid Temp = 22C +/- 1deg C  
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:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 7x7x7: SAR (1g): 1.00 mW/g, SAR (10g): 0.644 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Powerdrift: -0.08 dB



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3250

AMPS ch383 Left Cheek with Backpack Clip

Liquid Temp = 22C $\pm$  1deg C

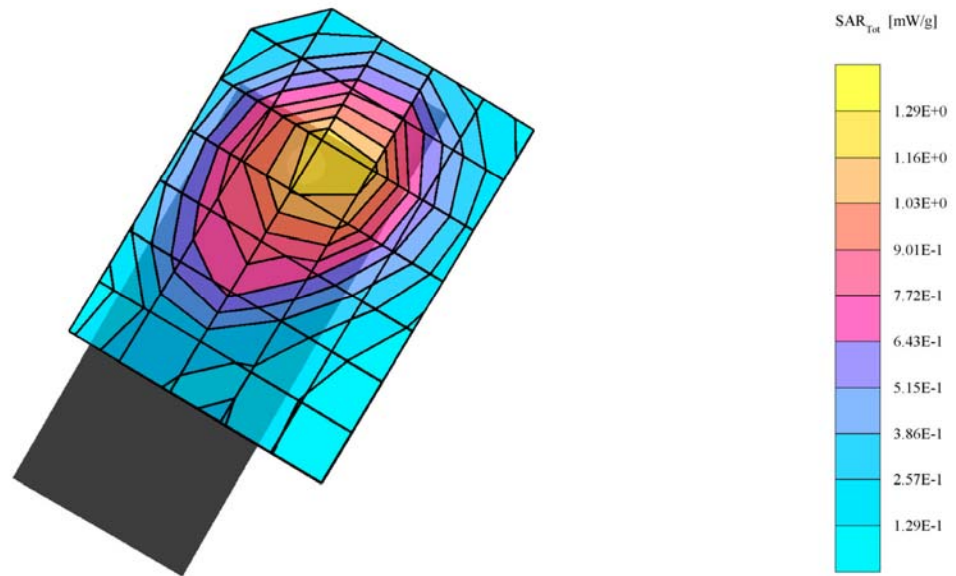
SAM Phantom, Left Hand Section; Position: (90°, 60°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6, 50, 6, 50, 6, 50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm $^3$ 

Cube 7x7x7: SAR (1g): 1.26 mW/g, SAR (10g): 0.833 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.05 dB



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**S3 PTT FCC**

AMPS ch383 Left Cheek with Backpack Clip

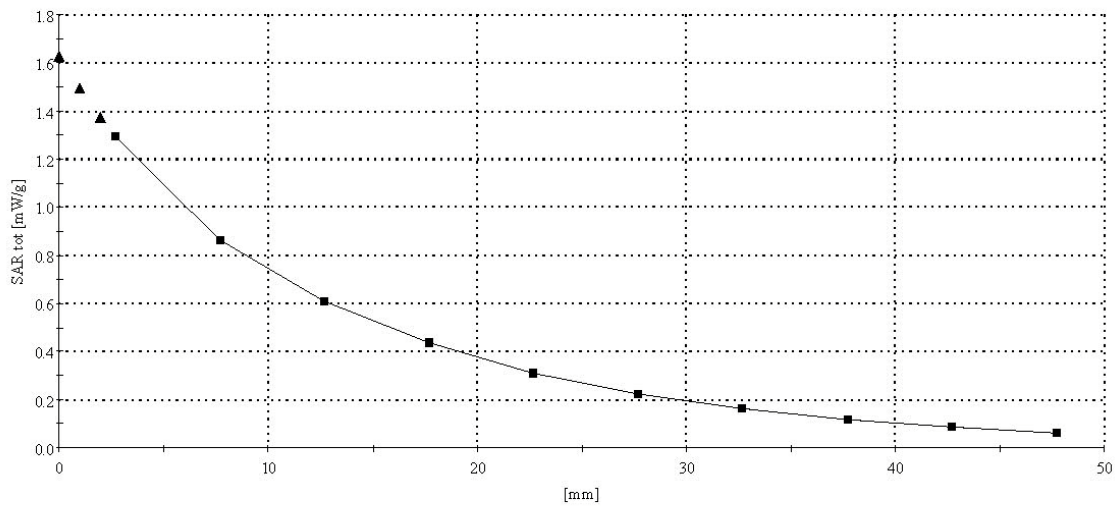
Liquid Temp = 22C $\pm$  1deg.C

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

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>

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

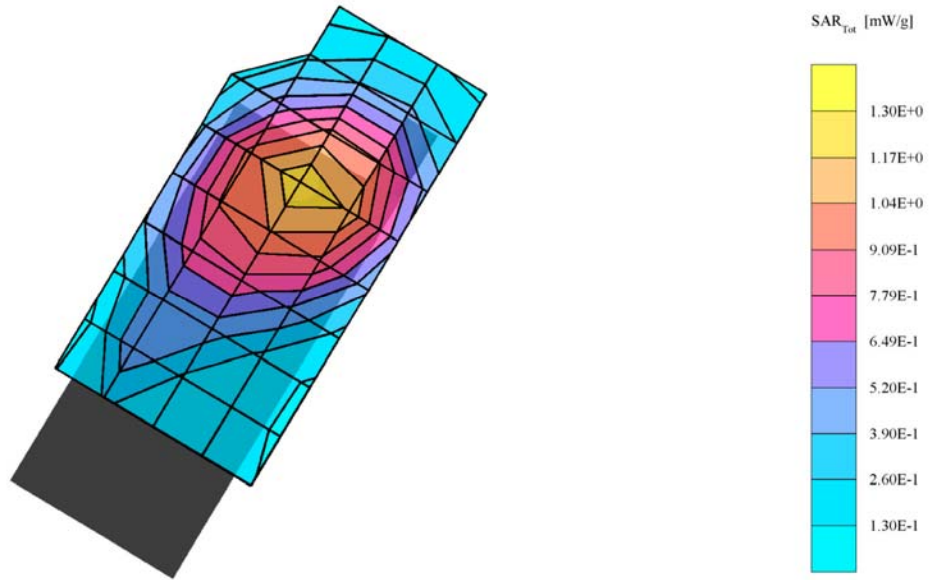


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3250

AMPS ch383 Left Cheek  
 Liquid Temp = 22C+- 1deg C  
 SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz  
 Probe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.832 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.04 dB



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**3250**

AMPS ch383 Left Tilt

Liquid Temp = 22C $\pm$  1deg C

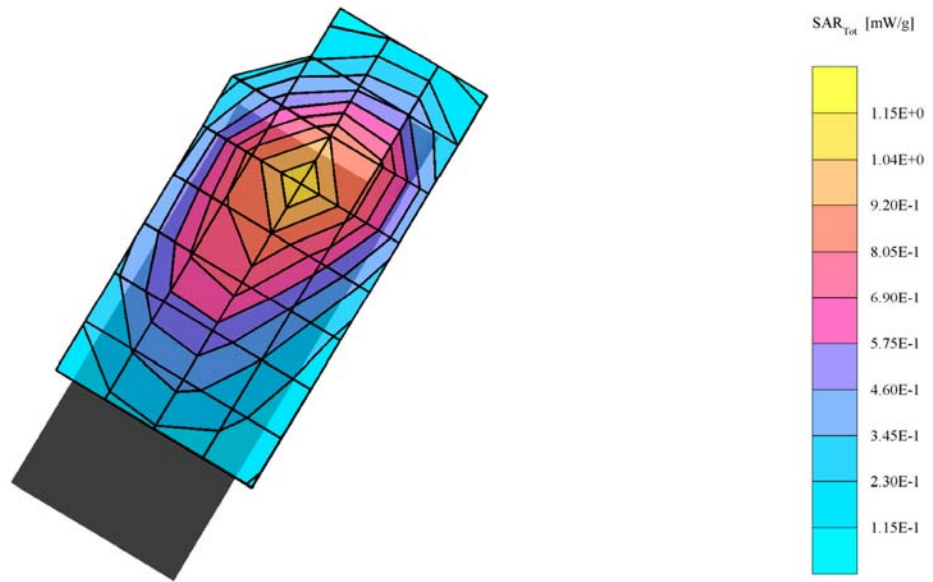
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm $^3$ 

Cube 7x7x7: SAR (1g): 1.05 mW/g, SAR (10g): 0.690 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.11 dB

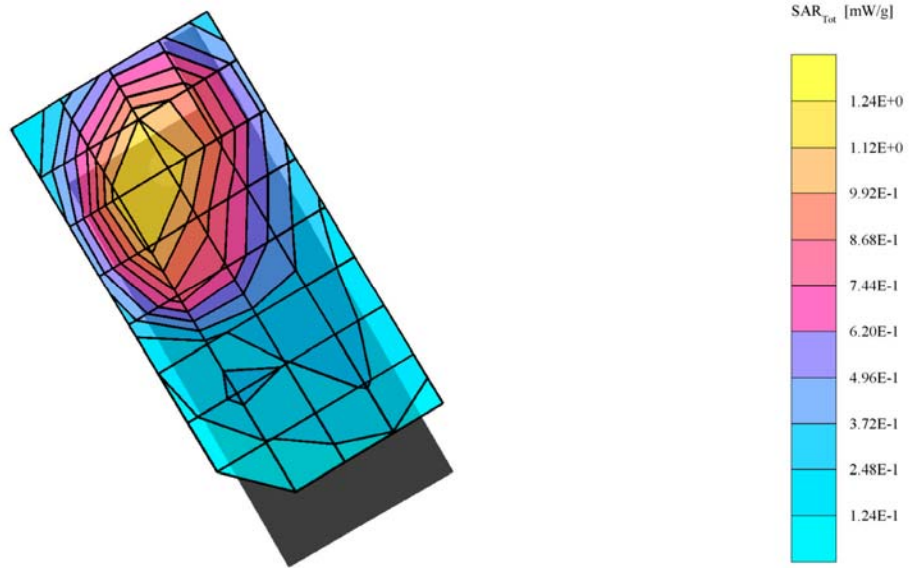


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3250

AMPS ch383 Right Cheek  
 Liquid Temp = 22C +/- 1deg C  
 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:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.26 mW/g, SAR (10g): 0.844 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.02 dB



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06/26/03

**3250**

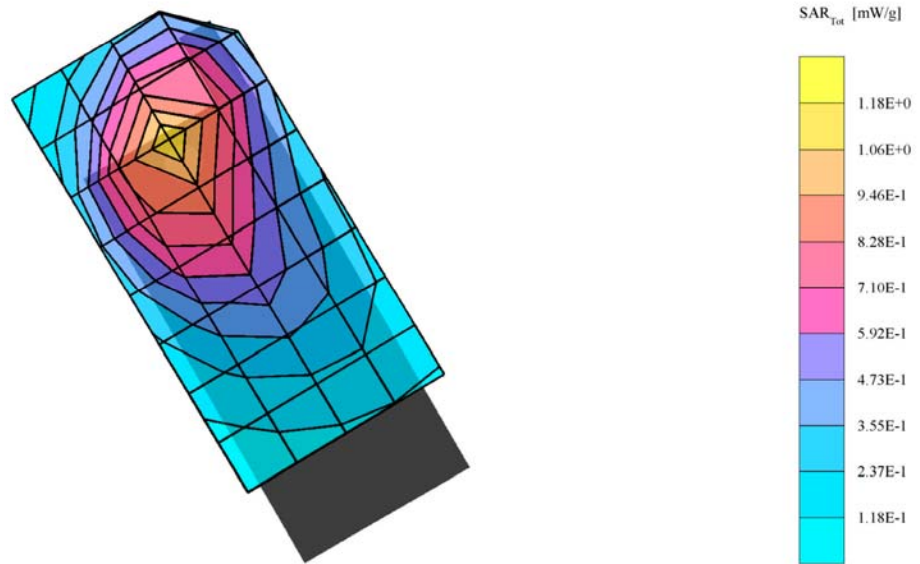
AMPS ch383 Right Tilt

Liquid Temp = 22C $\pm$  1deg CSAM Phantom, Right Hand Section; Position: (90 $^{\circ}$ , 300 $^{\circ}$ ); Frequency: 835 MHzProbe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm $^3$ 

Cube 7x7x7: SAR (1g): 1.09 mW/g, SAR (10g): 0.705 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.03 dB



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08/06/03

3250

CDMA-1900 ch1175 Right Cheek with Backpack Clip

Liquid Temp = 22C +/- 1deg.C

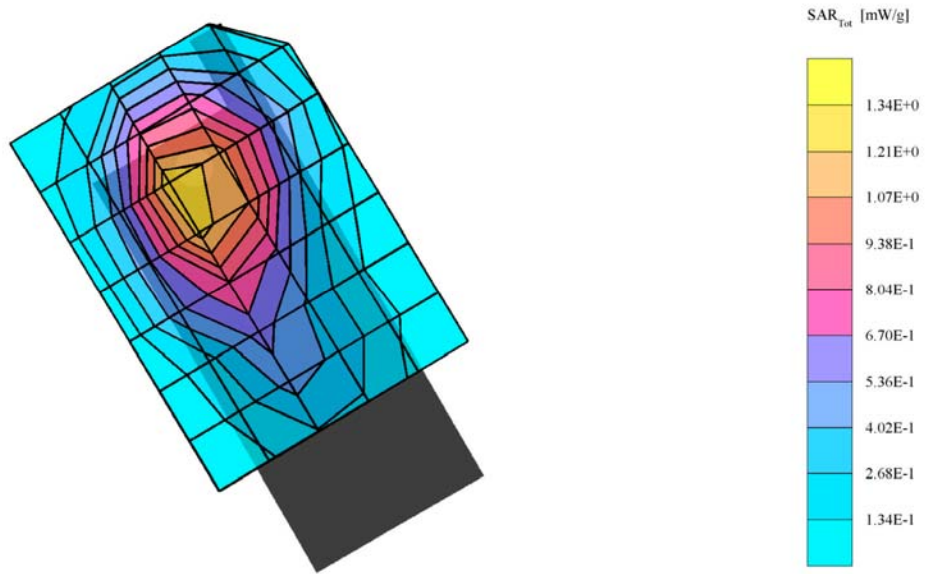
SAM Phantom, Right Hand Section; Position: (90°, 300°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40, 5.40, 5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.48 \text{ mho/m}$ ,  $\epsilon_r = 39.2$ ,  $\rho = 1.00 \text{ g/cm}^3$ 

Cube 7x7x7: SAR (1g): 1.30 mW/g, SAR (10g): 0.773 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.03 dB



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3250

CDMA-1900 ch1175 Right Cheek with Backpack Clip

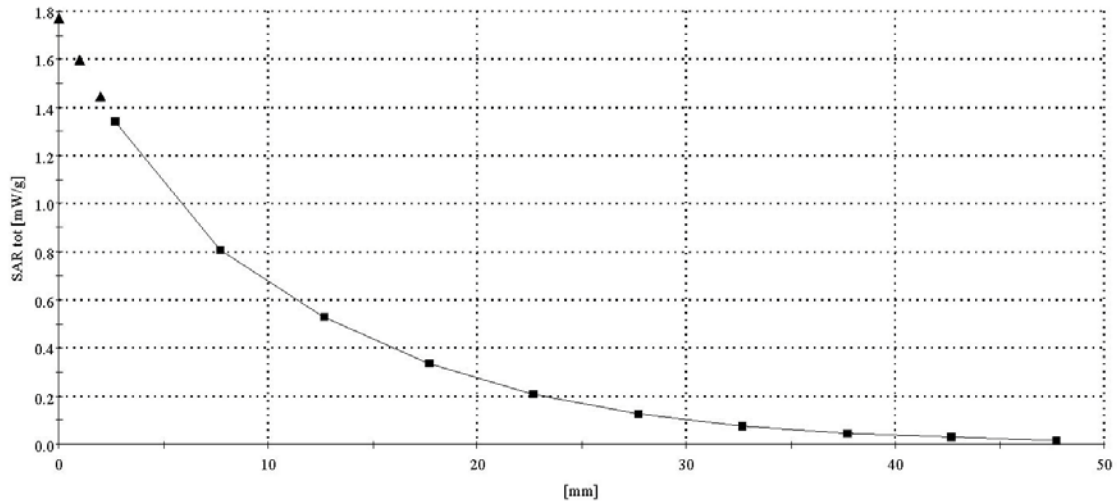
Liquid Temp = 22C +/- 1deg. C

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

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.48 \text{ mho/m}$   $\epsilon_r = 39.2$   $\rho = 1.00 \text{ g/cm}^3$ 

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



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CDMA-1900 ch1175 Right Cheek

Liquid Temp = 22C +/- 1deg C

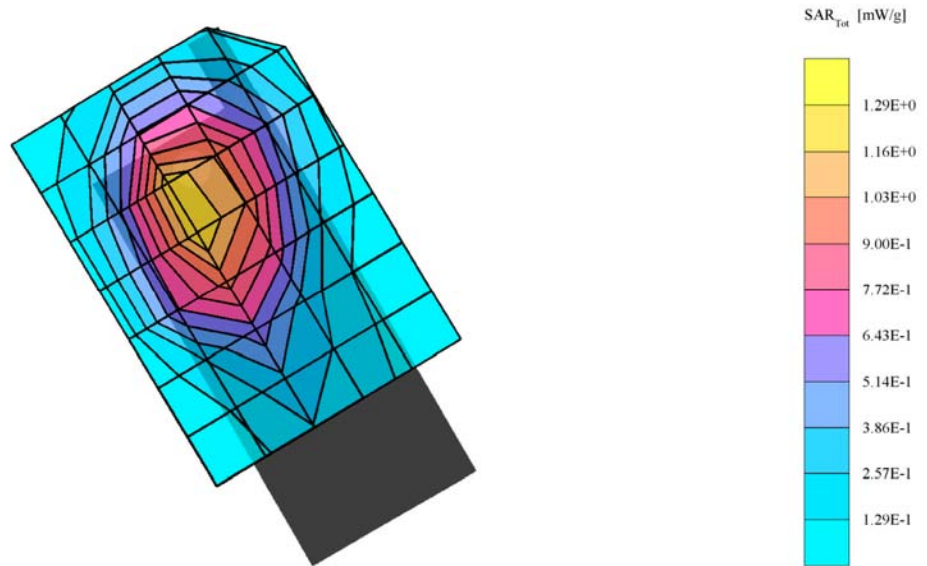
SAM Phantom, Right Hand Section; Position: (90°, 300°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40, 5.40, 5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.48$  mho/m  $\epsilon_r = 39.2$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.30 mW/g, SAR (10g): 0.768 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.08 dB



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## 3250

CDMA-1900 ch600 Left Cheek

Liquid Temp = 22C +/- 1deg. C

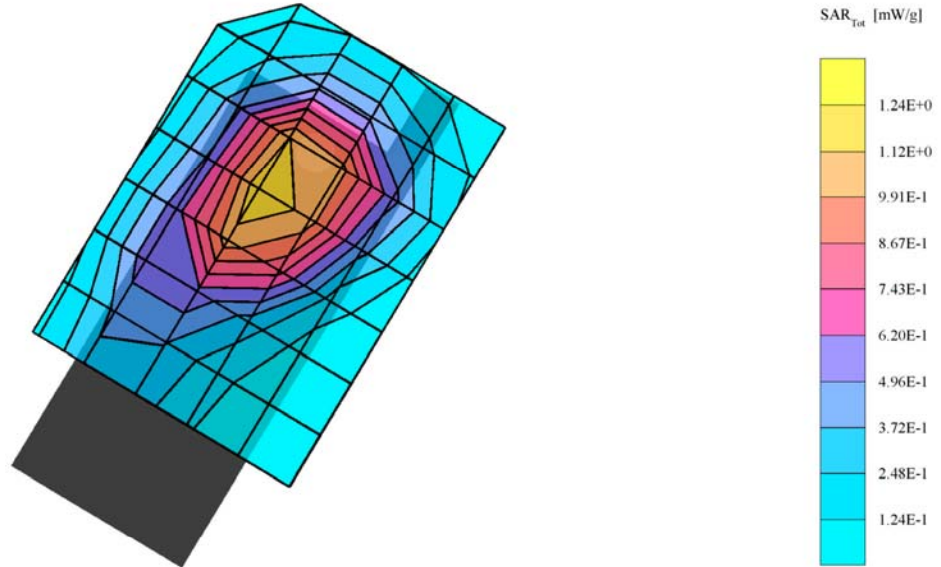
SAM Phantom; Left Hand Section; Position: (90°, 59°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.48$  mho/m  $\epsilon_r = 39.2$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.26 mW/g, SAR (10g): 0.749 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.11 dB



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CDMA-1900 ch600 Left Tilt

Liquid Temp = 22C +/- 1deg C

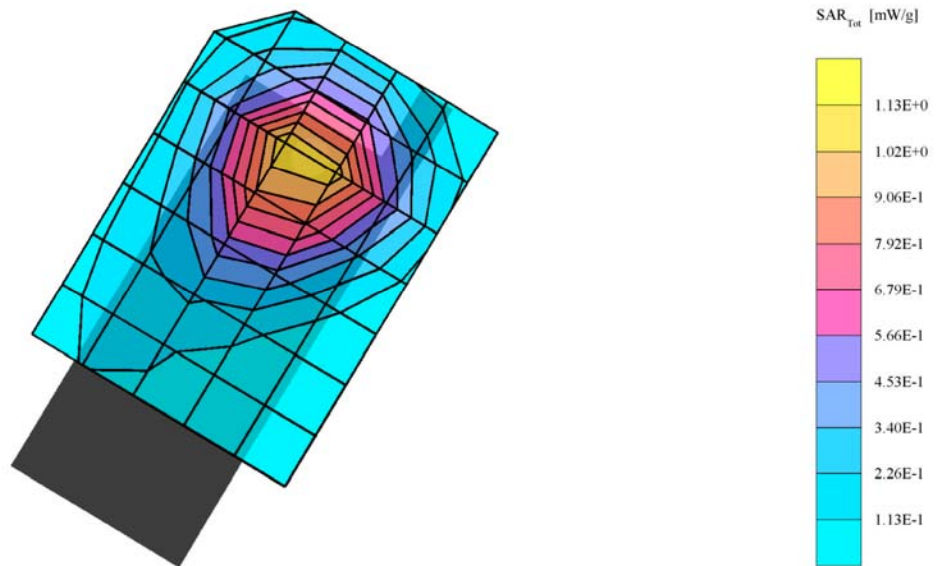
SAM Phantom, Left Hand Section; Position: (90°, 59°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40, 5.40, 5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.48 \text{ mho/m}$ ,  $\epsilon_r = 39.2$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 1.11 mW/g, SAR (10g): 0.651 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.06 dB



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3250

CDMA-1900 ch600 Right Tilt

Liquid Temp = 22C +/- 1deg C

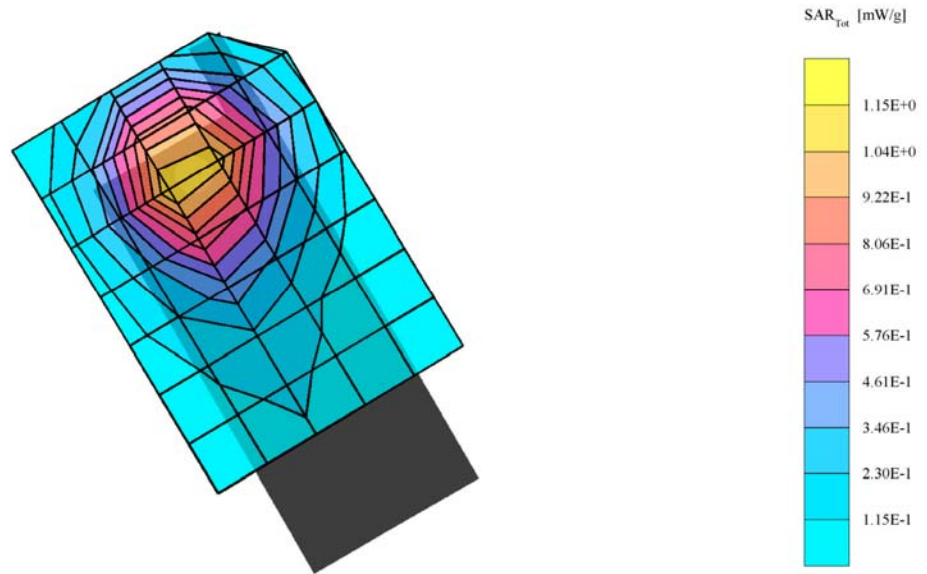
SAM Phantom, Right Hand Section; Position: (90°, 300°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40, 5.40, 5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.48 \text{ mho/m}$ ,  $\epsilon_r = 39.2$ ,  $\rho = 1.00 \text{ g/cm}^3$ 

Cube 7x7x7: SAR (1g): 1.14 mW/g, SAR (10g): 0.661 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.10 dB



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