

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 $\pm$ 1deg C

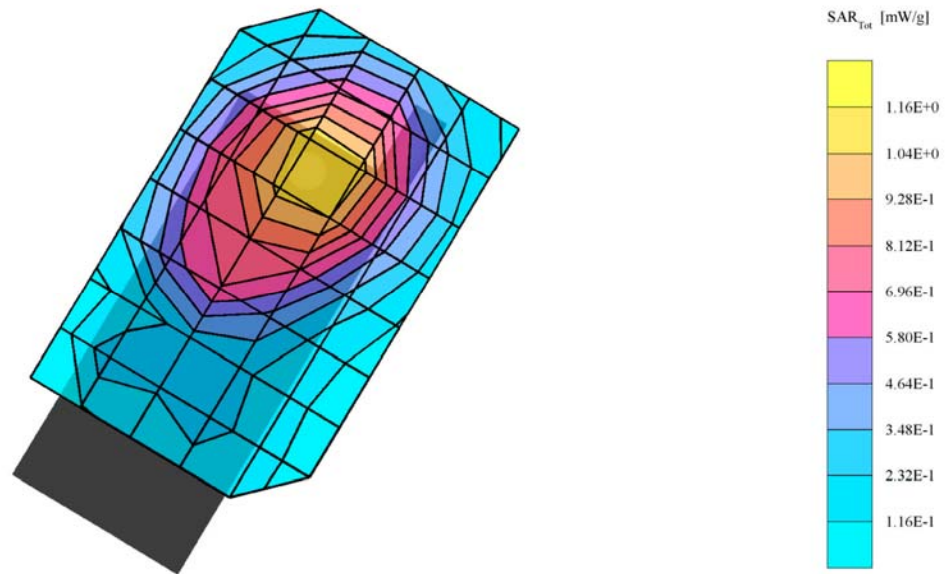
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

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/cm³

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

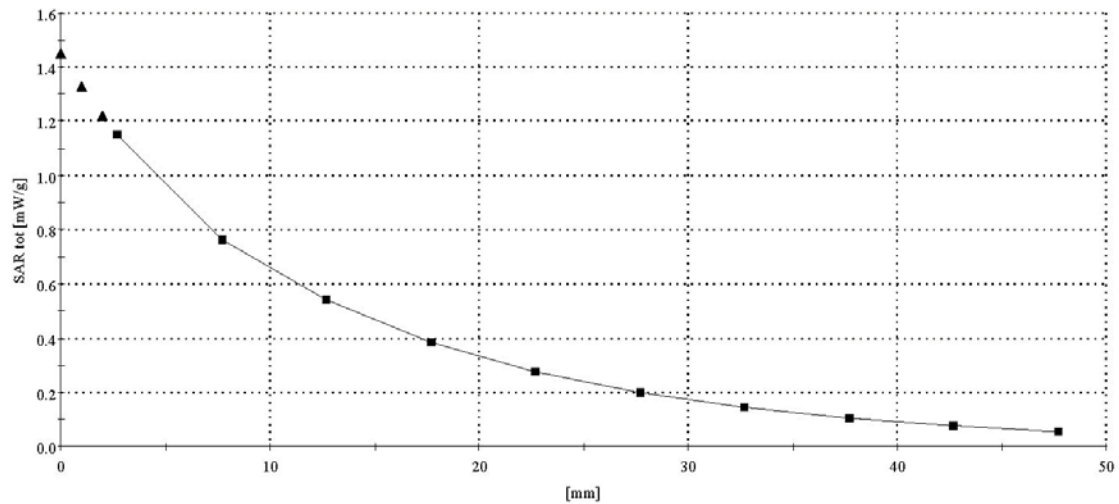
Liquid Temp = 22C +/- 1deg. C

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

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

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



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CDMA-800 ch383 Left Cheek

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

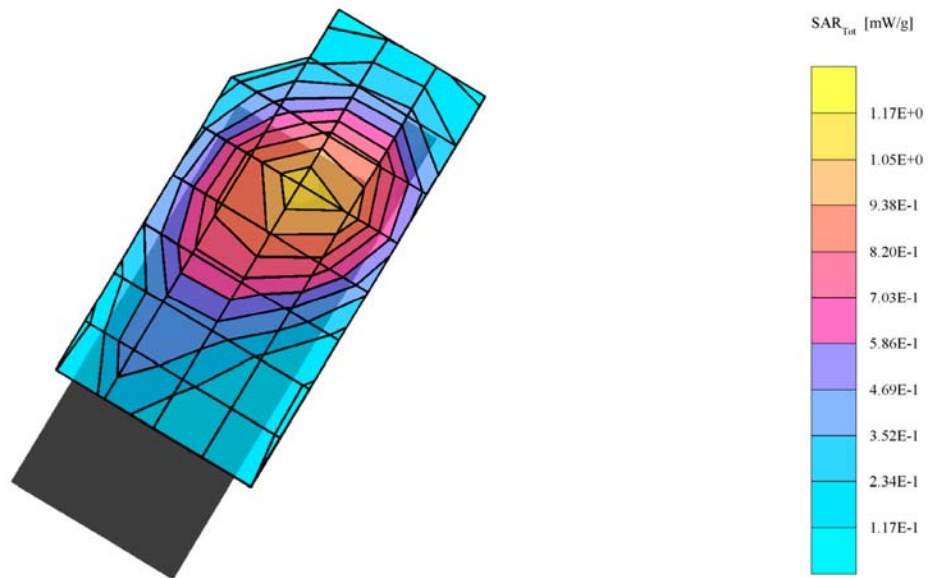
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

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/cm³

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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CDMA-800 ch383 Left Tilt

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

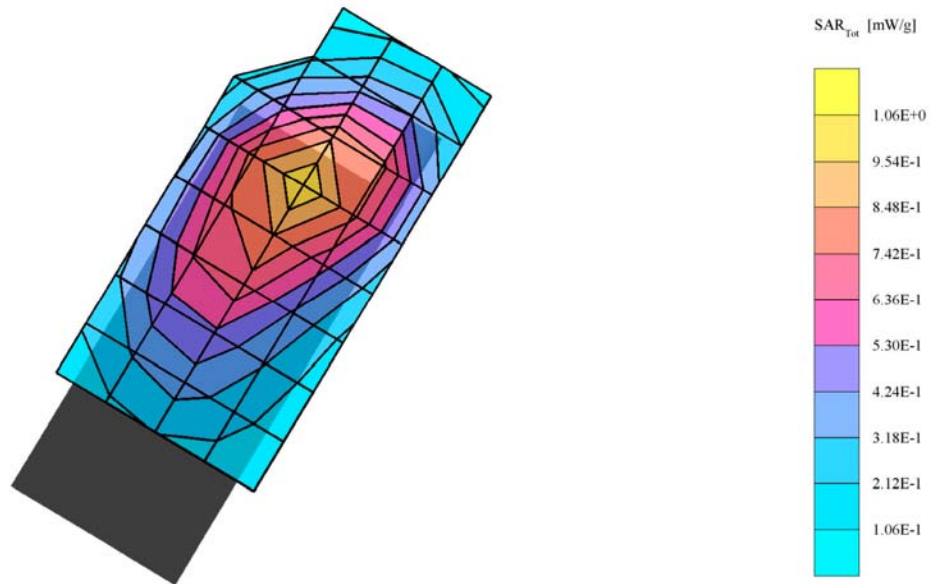
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

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/cm³

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 $\pm$ 1deg C

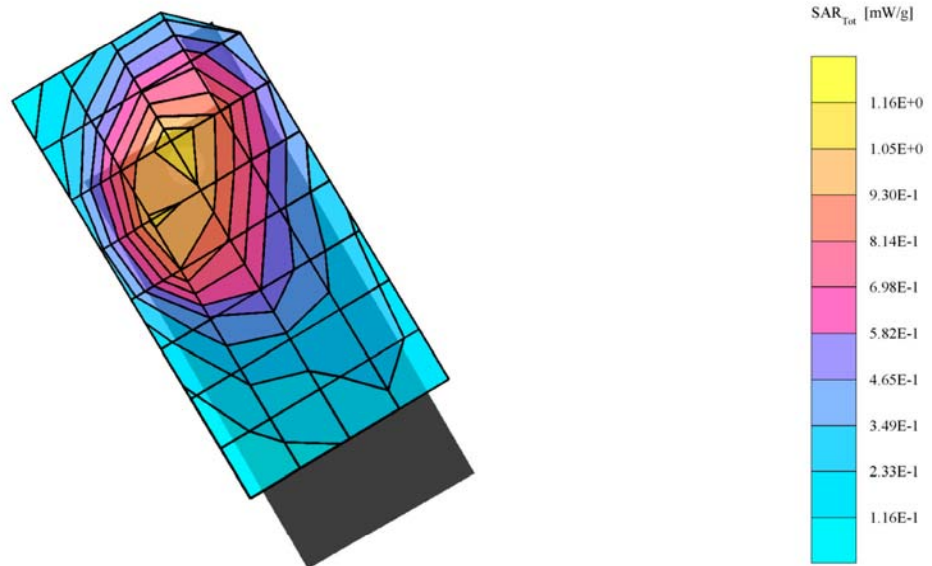
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz

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/cm³

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 $\pm$ 1deg C

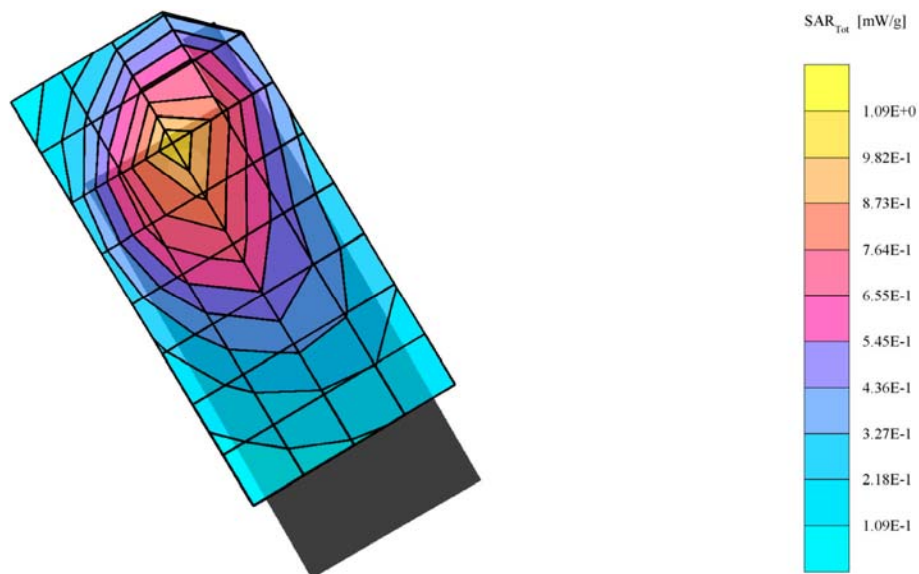
SAM Phantom; Right Hand Section; Position: (90 $^{\circ}$,300 $^{\circ}$); Frequency: 835 MHz

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): 1.00 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 $\pm$ 1 deg. C

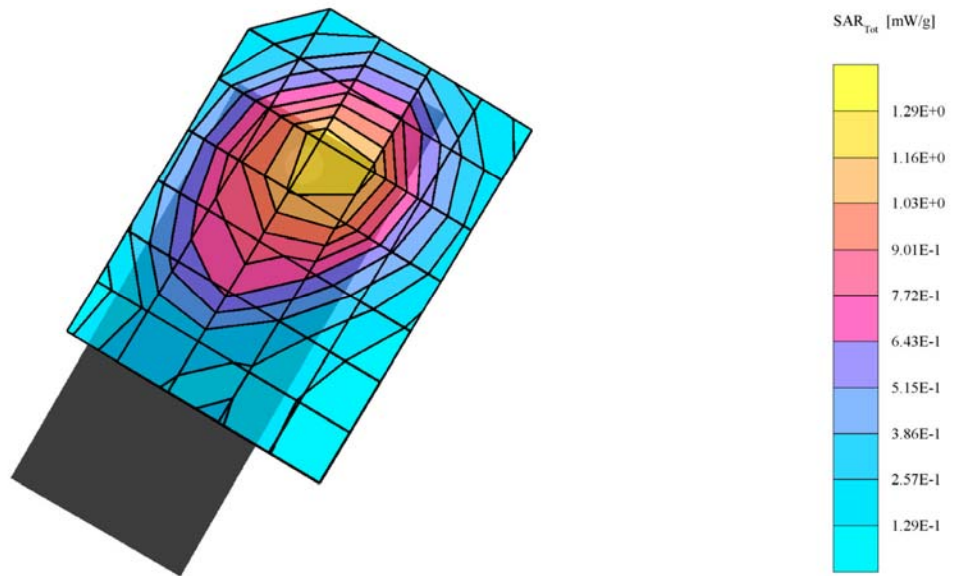
SAM Phantom; Left Hand Section; Position: (90°,60°); Frequency: 835 MHz

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/cm³

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

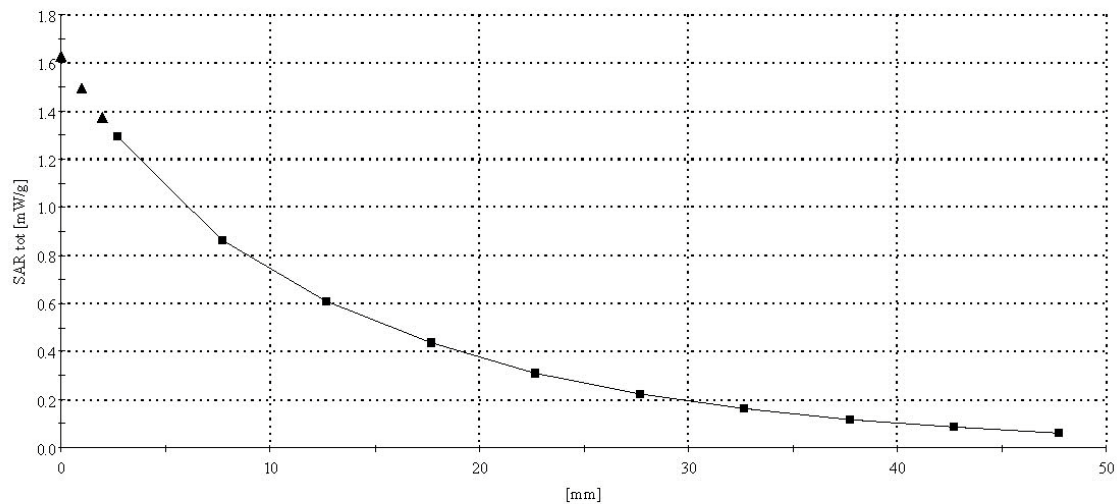
Liquid Temp = 22C+/- 1deg.C

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/cm³

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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

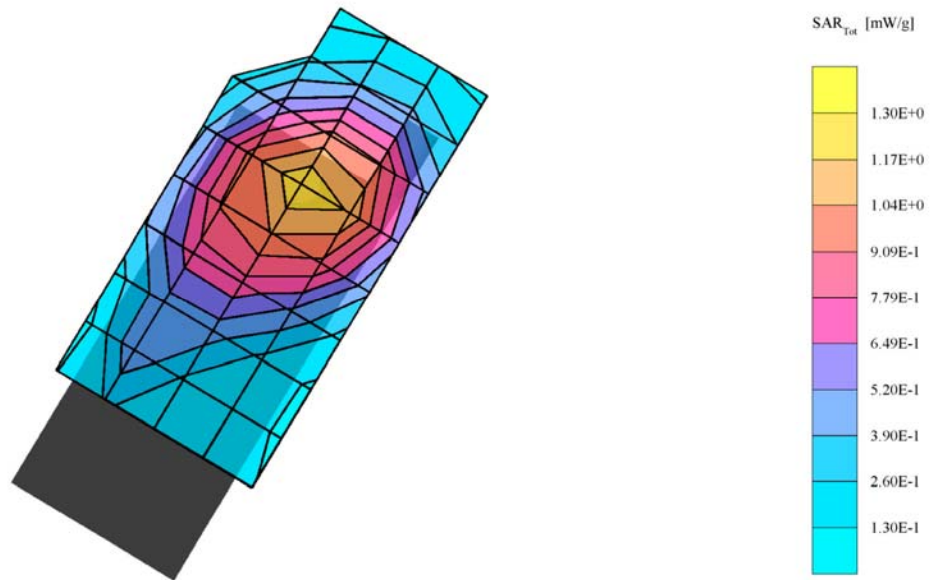
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

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/cm³

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

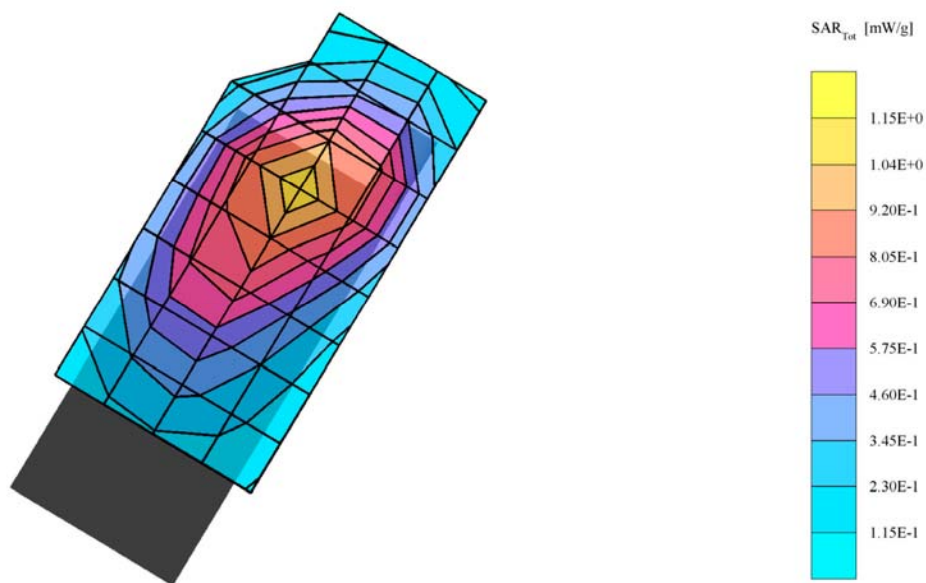
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz

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/cm³

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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06/26/03

3250

AMPS ch383 Right Cheek

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

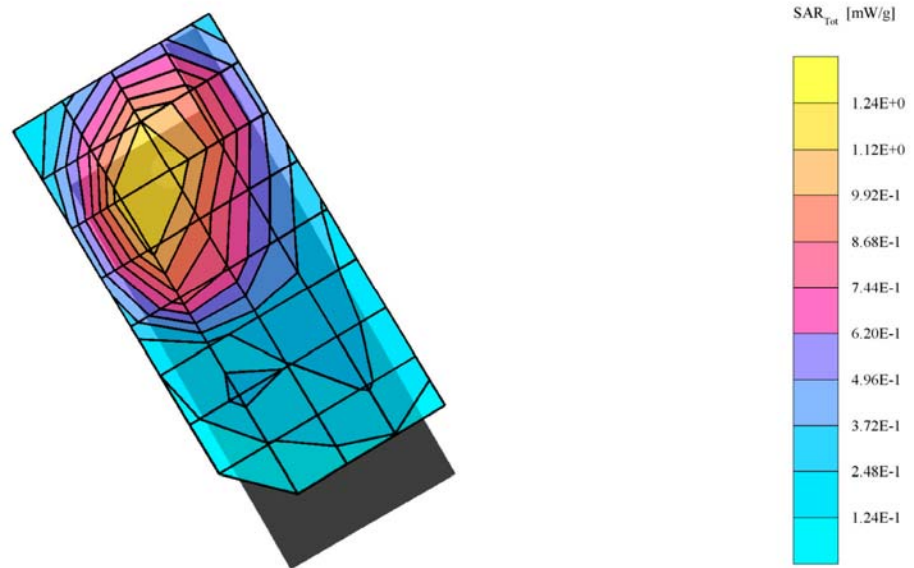
SAM Phantom; Right Hand Section; Position: (90 $^{\circ}$,300 $^{\circ}$); Frequency: 835 MHz

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): 0.844 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 C

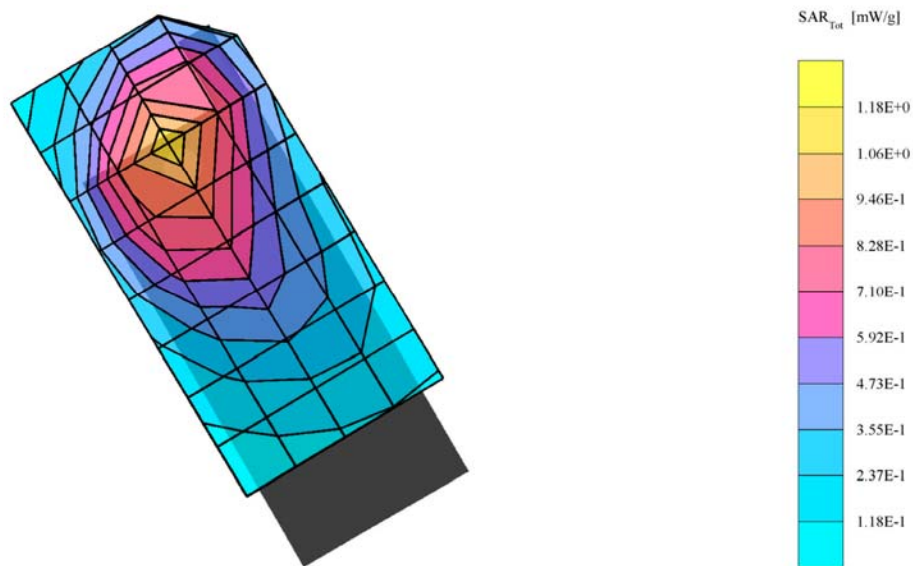
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz

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/cm³

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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3250

CDMA-1900 ch1175 Right Cheek with Backpack Clip

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

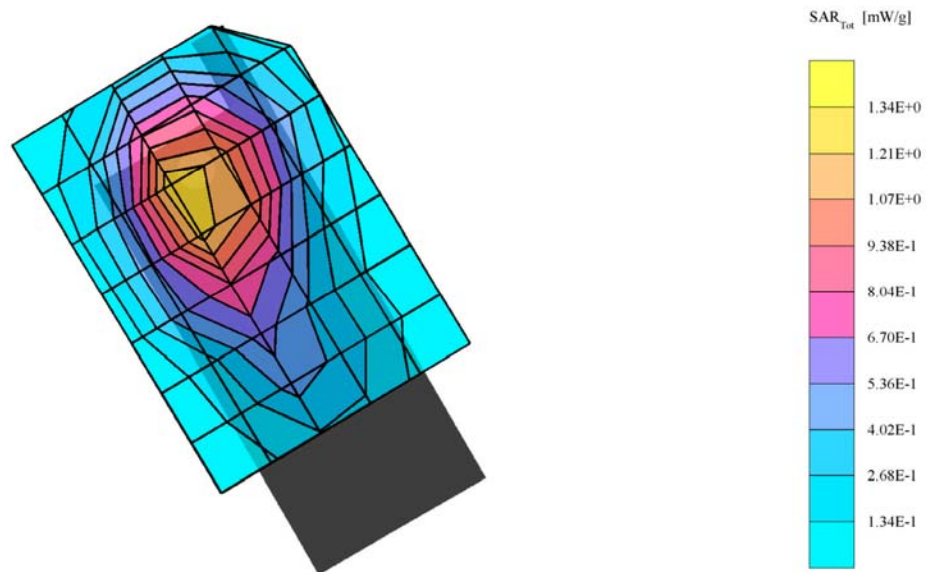
SAM Phantom; Right Hand Section; Position: (90 $^{\circ}$,300 $^{\circ}$); Frequency: 1900 MHz

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 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

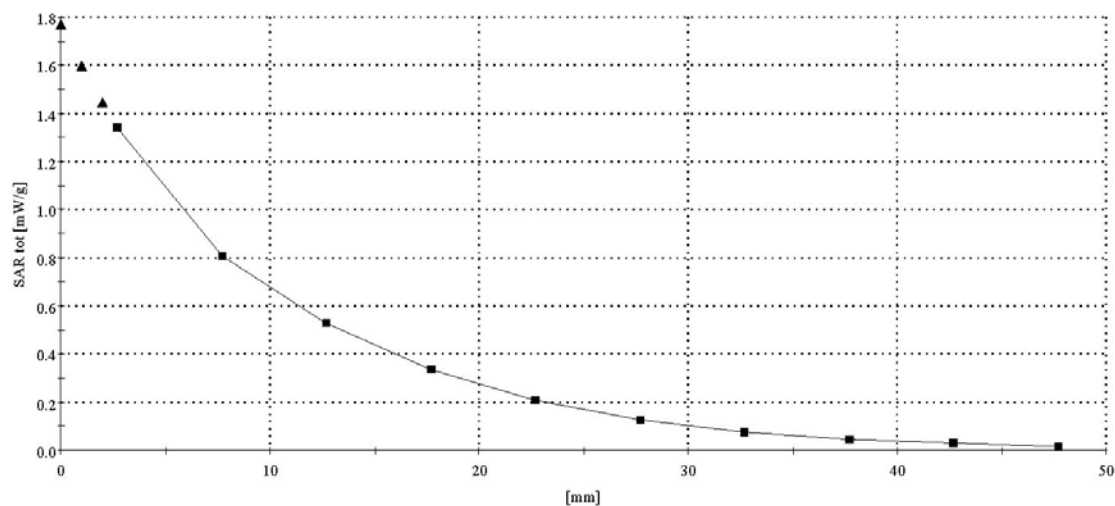
Liquid Temp = 22C +/- 1deg. C

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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3250

CDMA-1900 ch1175 Right Cheek

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

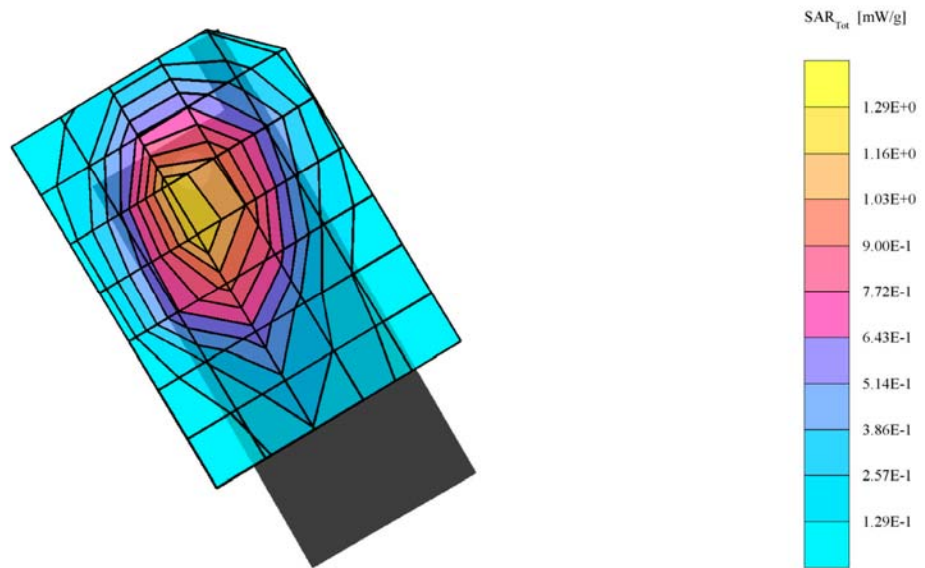
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz

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/cm³

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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CDMA-1900 ch600 Left Cheek

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

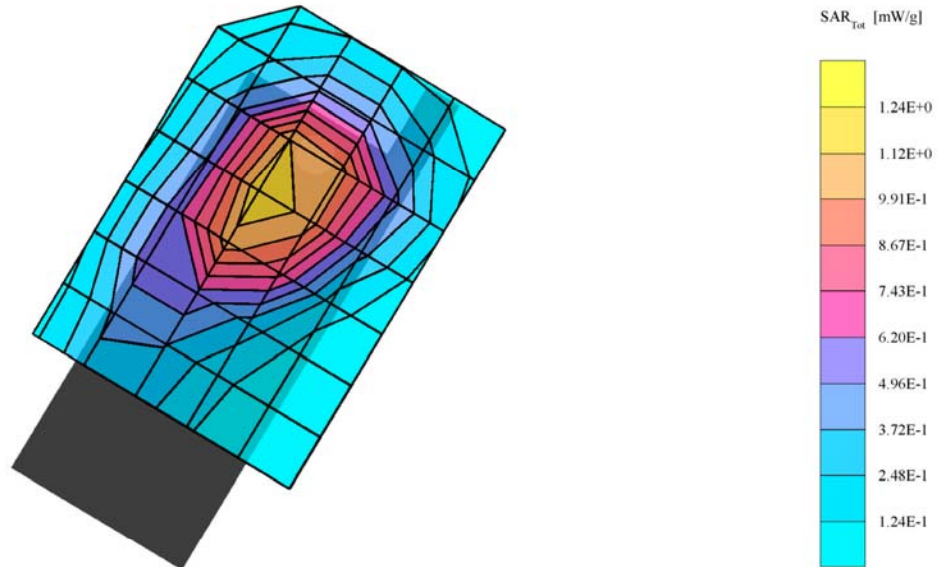
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz

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/cm³

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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3250

CDMA-1900 ch600 Left Tilt

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

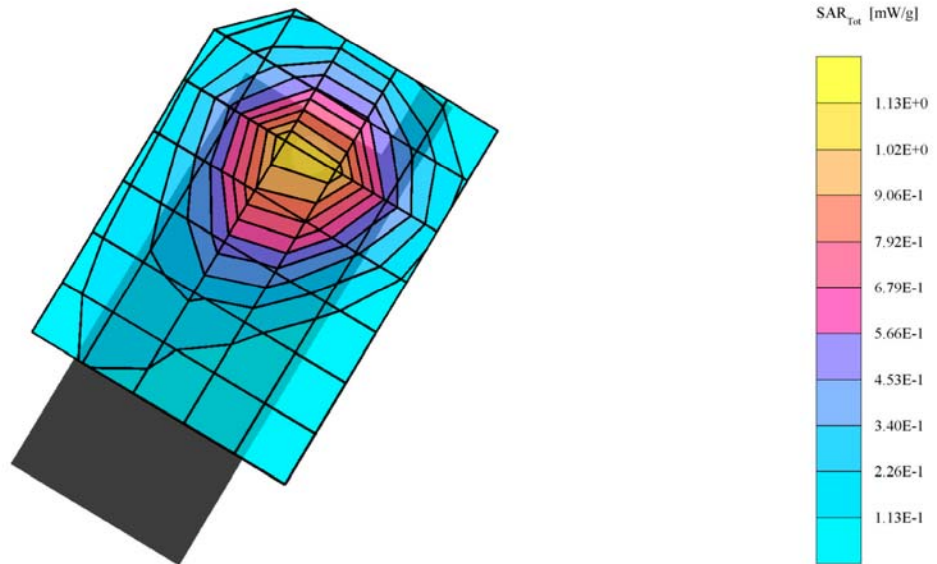
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz

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/cm³

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 $\pm$ 1deg C

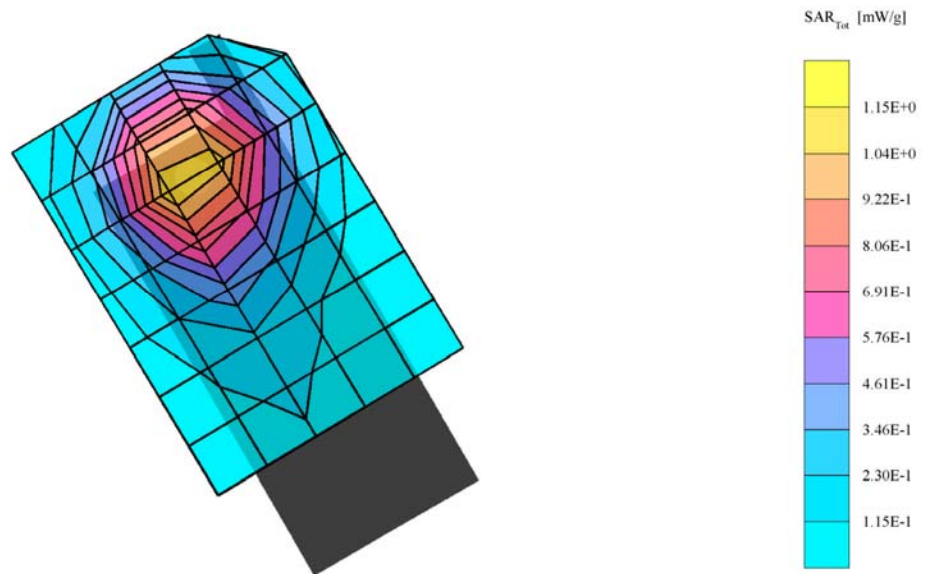
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz

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/cm³

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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