

APPENDIX B-2:
SAR Distribution Plots
For
Model SE44
CDMA Mode 800 MHz Band

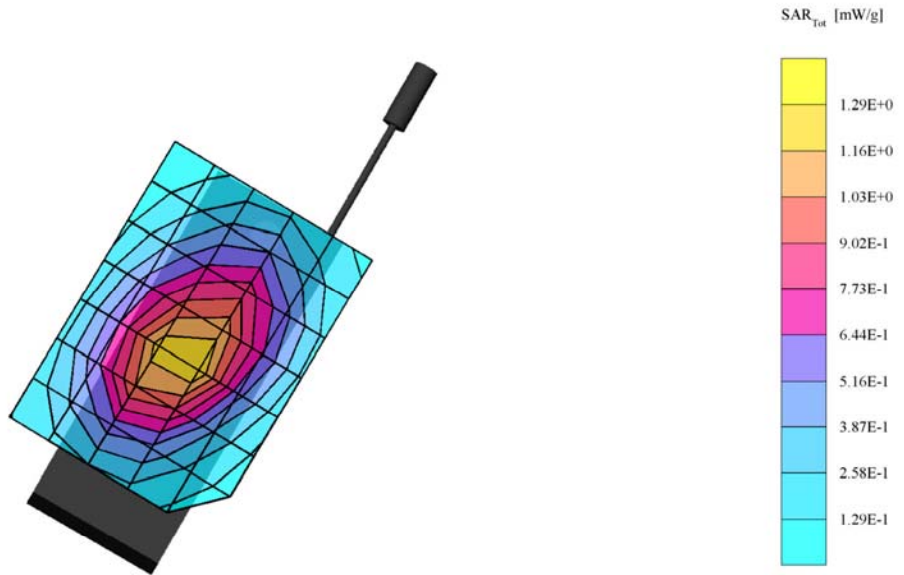
Section 1

SAR Distribution plots for Head Adjacent Use Configuration

11/02/03

SE44

CDMA-800 ch383 Left Cheek Antenna Extended
 Liquid Temp: 22C +/- 1deg C
 SAM Phantom; Left Hand Section; Position: (79°, 60°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1664; ConvF(6.60, 6.60, 6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³
 Cube 7x7x7; SAR (1g): 1.26 mW/g, SAR (10g): 0.847 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Powerdrift: -0.00 dB



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SE44

CDMA-800 ch383 L Left Cheek Antenna Extended

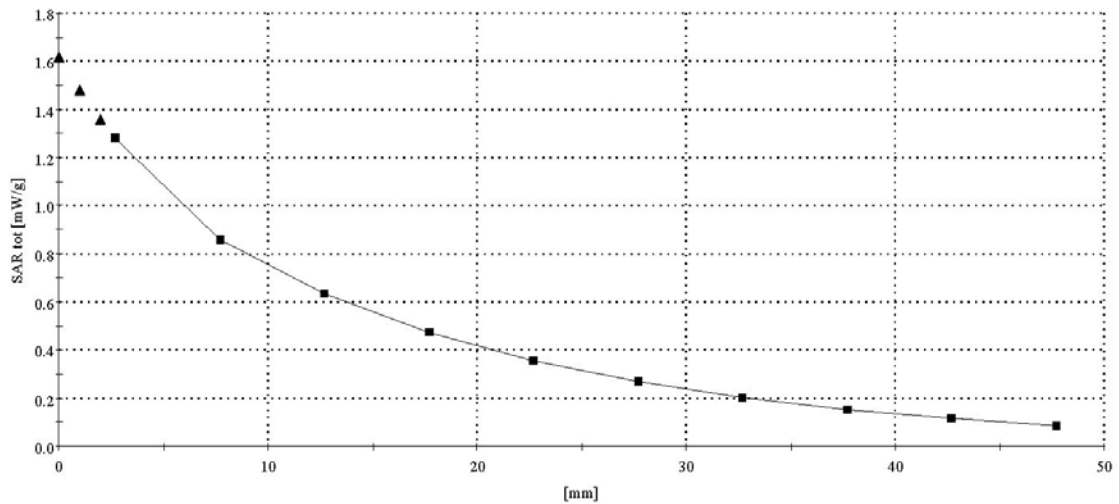
Liquid Temp: 22C +/- 1deg.C

SAM Phantom; Section; Position; Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92 \text{ mho/m}$ $\epsilon_r = 41.5$ $\rho = 1.00 \text{ g/cm}^3$

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



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SE44

CDMA-800 ch777 Left Cheek Antenna Retracted

Liquid Temp: 22C +/- 1deg C

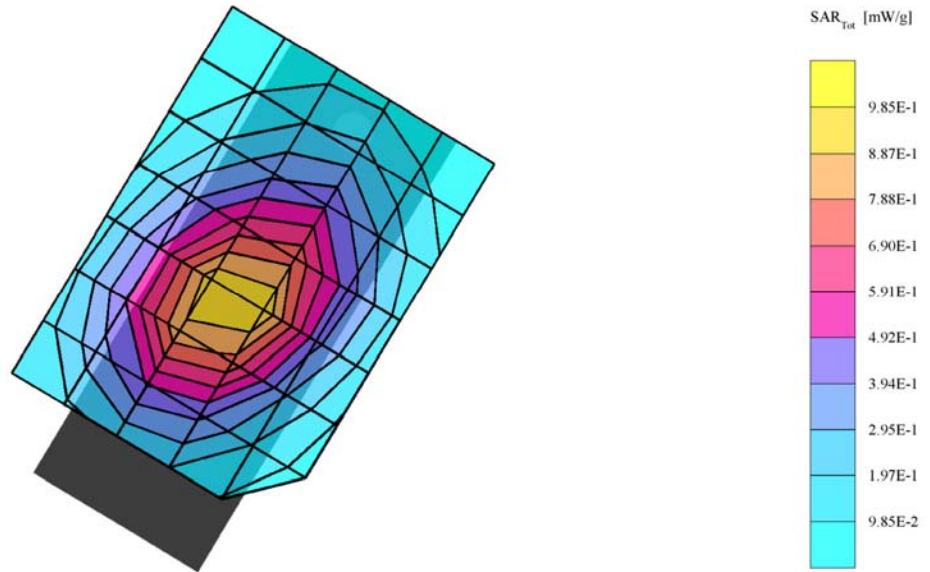
SAM Phantom, Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60, 6.60, 6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.993 mW/g, SAR (10g): 0.658 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.03 dB



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CDMA-800 ch383 Left Tilt Antenna Extended

Liquid Temp: 22C+/-1deg C

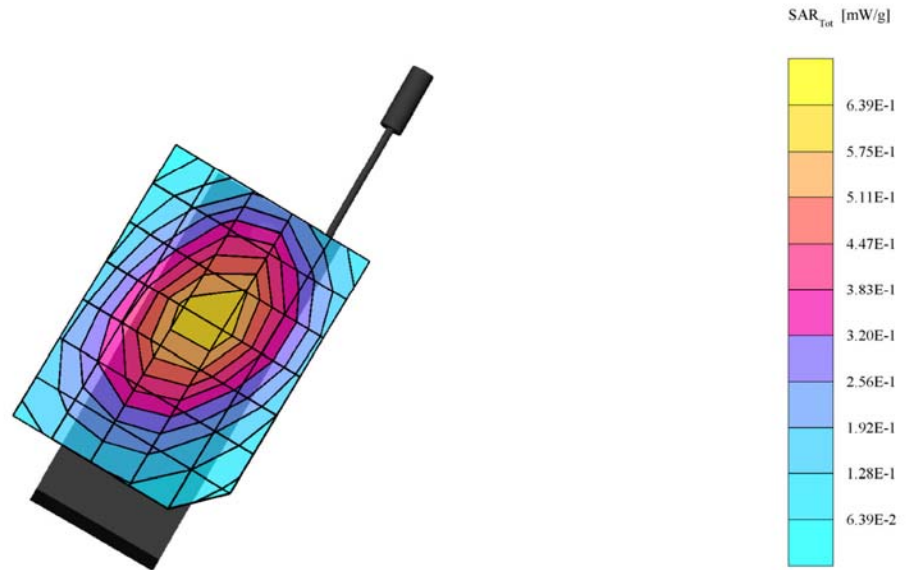
SAM Phantom, Left Hand Section; Position: (79°,60°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.615 mW/g, SAR (10g): 0.437 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.02 dB



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CDMA-800 ch383 Left Tilt Antenna Extended

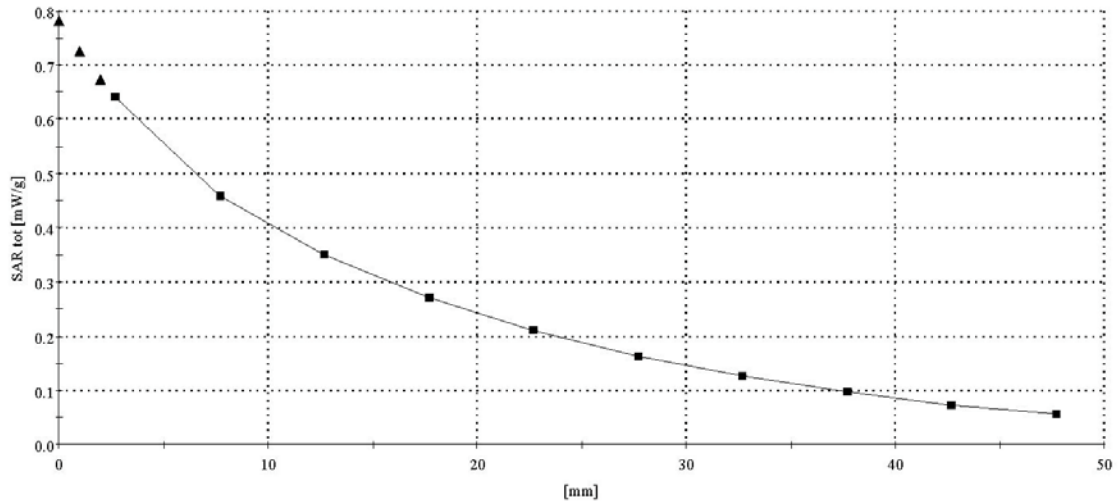
Liquid Temp: 22C +/- 1deg.C

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

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92 \text{ mho/m}$ $\epsilon_r = 41.5$ $\rho = 1.00 \text{ g/cm}^3$

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

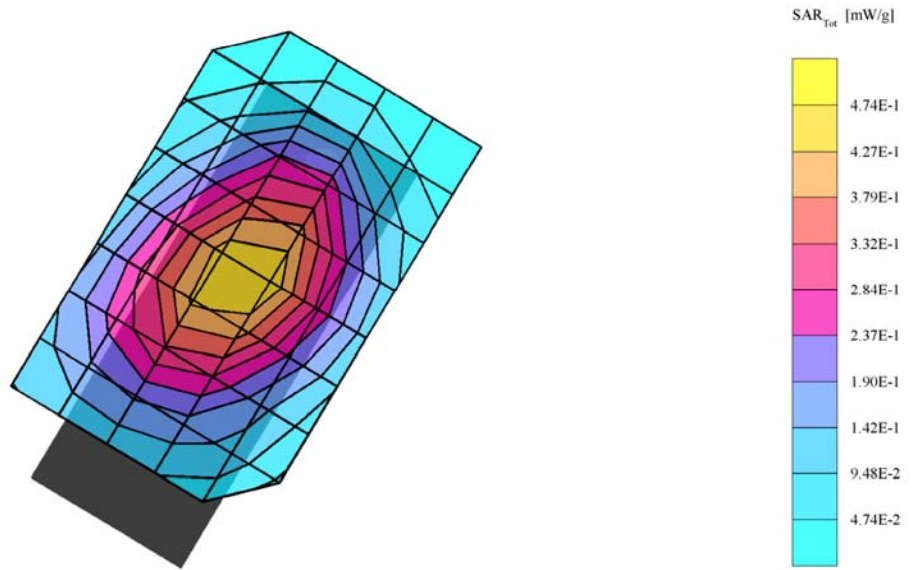


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SE44

CDMA-800 ch777 Left Tilt Antenna Retracted
 Liquid Temp: 22C +/- 1deg C
 SAM Phantom, Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1664; ConvF(6.60, 6.60, 6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92 \text{ mho/m}$ $\epsilon_r = 41.5$ $\rho = 1.00 \text{ g/cm}^3$
 Cube 7x7x7: SAR (1g): 0.473 mW/g, SAR (10g): 0.333 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Powerdrift: -0.02 dB



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CDMA-800 ch383 Right Cheek Antenna Extended

Liquid Temp: 22C+/-1deg C

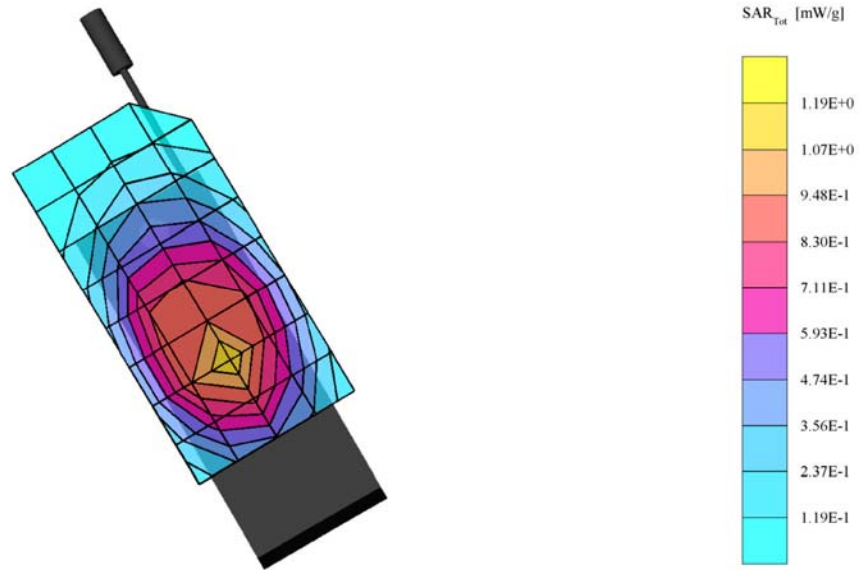
SAM Phantom, Right Hand Section; Position: (79°,300°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 1.17 mW/g, SAR (10g): 0.783 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.15 dB



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CDMA-800 ch383 Right Cheek Antenna Extended

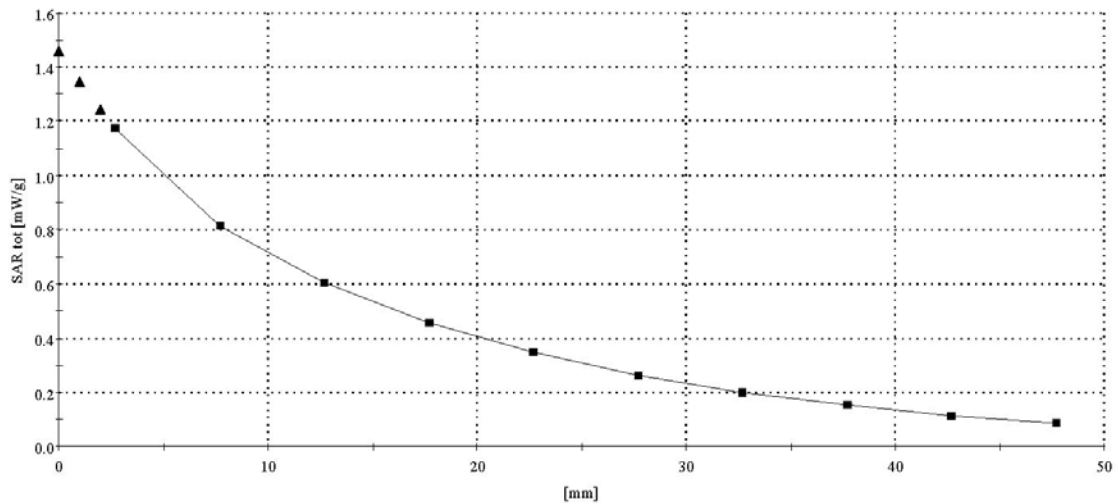
Liquid Temp: 22C +/- 1deg.C

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

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92 \text{ mho/m}$ $\epsilon_r = 41.5$ $\rho = 1.00 \text{ g/cm}^3$

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



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CDMA-800 ch777 Right Cheek Antenna Retracted

Liquid Temp: 22C+/-1deg C

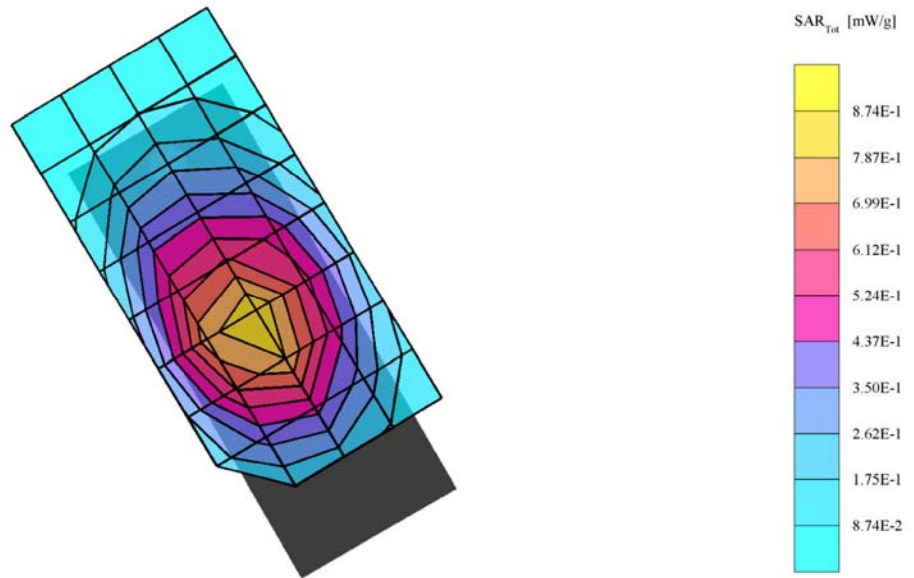
SAM Phantom, Right Hand Section; Position: (90°,300°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.839 mW/g, SAR (10g): 0.566 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.04 dB



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CDMA-800 ch383 Right Tilt Antenna Extended

Liquid Temp: 22C+/-1deg C

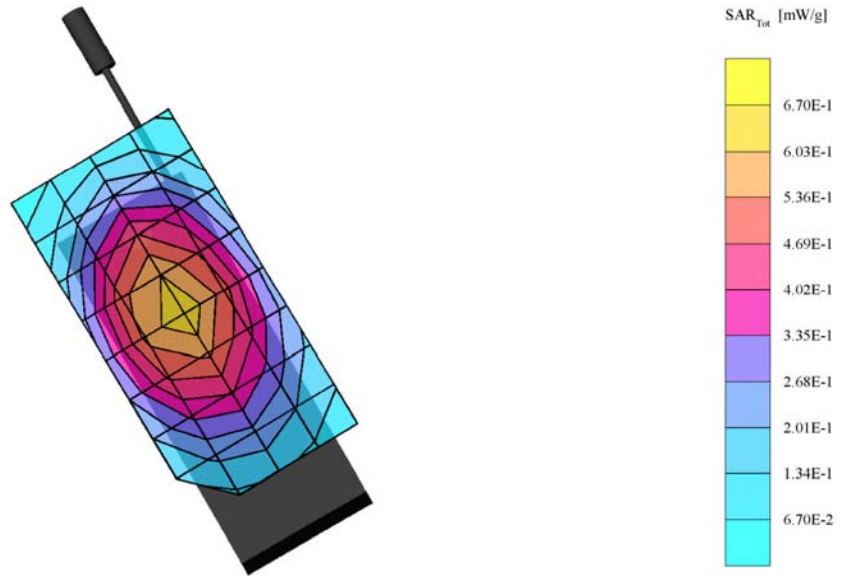
SAM Phantom, Right Hand Section; Position: (79°, 300°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.632 mW/g, SAR (10g): 0.450 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.19 dB



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CDMA-800 ch383 Right Tilt Antenna Extended

Liquid Temp: 22C+/-1deg C

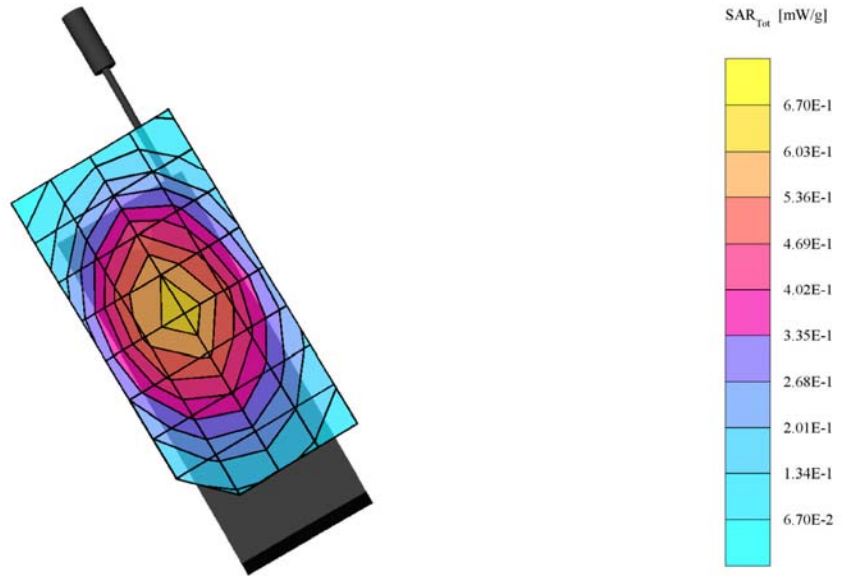
SAM Phantom, Right Hand Section; Position: (79°, 300°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.632 mW/g, SAR (10g): 0.450 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.19 dB



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CDMA-800 ch777 Right Tilt Antenna Retracted

Liquid Temp: 22C +/- 1deg C

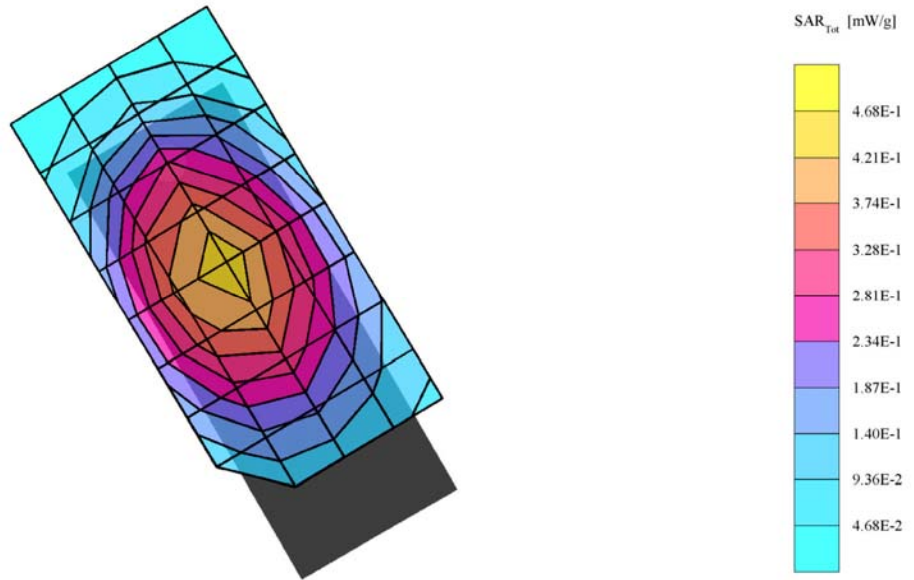
SAM Phantom, Right Hand Section; Position: (90°, 300°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.92$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.433 mW/g, SAR (10g): 0.306 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.13 dB



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Section 2 SAR Distribution plots for Body Worn Configuration

11/03/03

SE44

CDMA-800 ch383 Flat with 25mm Air Gap Antenna Extended

Liquid Temp: 22C \pm 1deg.C

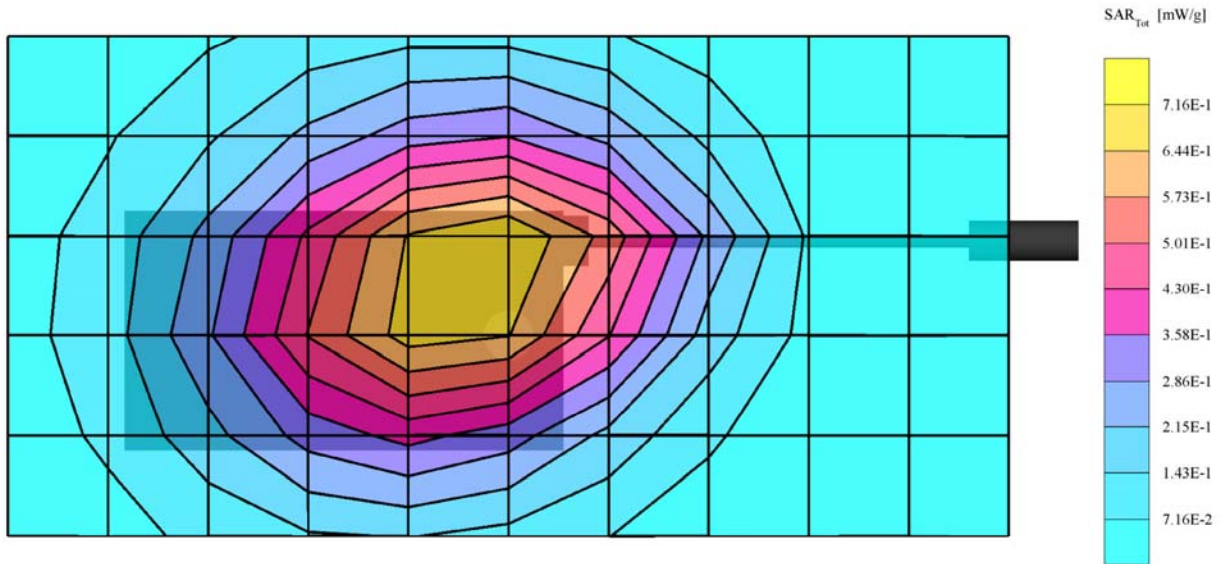
SAM Phantom; Flat Section; Position: (90 $^\circ$,90 $^\circ$); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm 3

Cube 7x7x7; SAR (1g): 0.723 mW/g, SAR (10g): 0.507 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.07 dB



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11/03/03

SE44

CDMA-800 ch383 Flat with 25mm Air Gap Antenna Extended

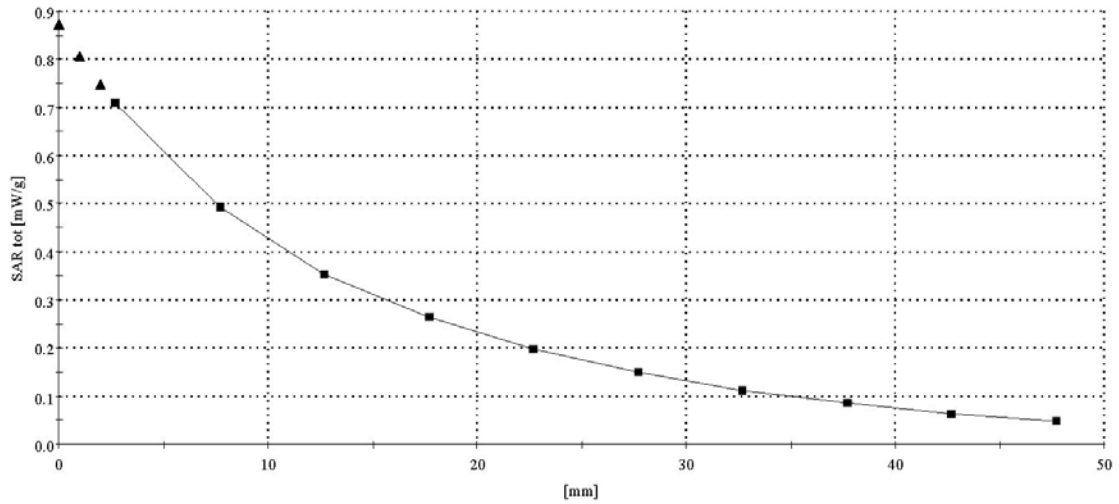
Liquid Temp: 22C +/- 1deg.C

SAM Phantom; Section; Position; Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³

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



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11/03/03

SE44

CDMA-800 ch777 Flat with 25mm Air Gap Antenna Retracted

Liquid Temp: 22C+/-1deg C

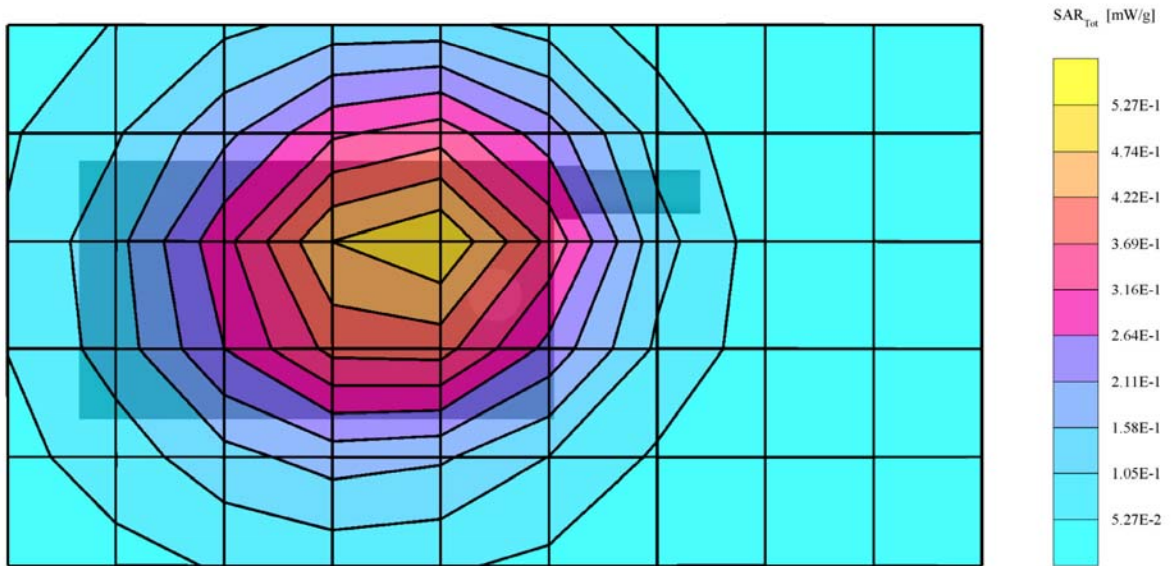
SAM Phantom, Flat Section; Position: (90°, 90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.504 mW/g, SAR (10g): 0.353 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.07 dB

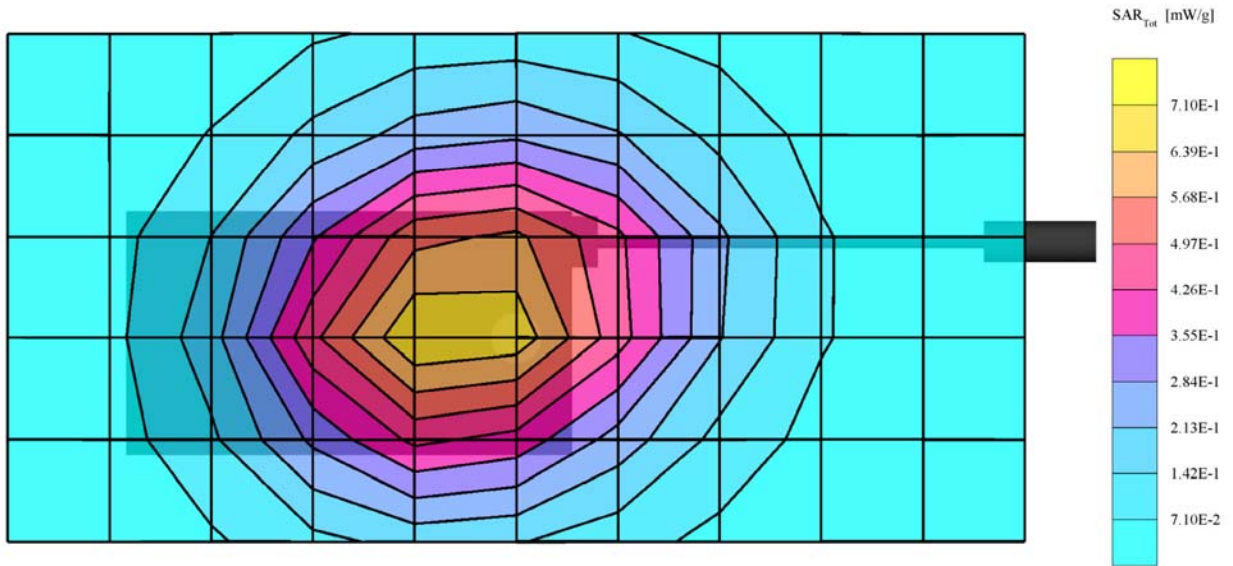


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11/04/03

SE44

CDMA-800 ch383 Flat with Kyocera Belt Clip Antenna Extended
 Liquid Temp: 22C +/- 1deg C
 SAM Phantom, Flat Section; Position: (90°, 90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1664; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.95$ mho/m $\epsilon_r = 54.0$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: SAR (1g): 0.707 mW/g, SAR (10g): 0.498 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.08 dB



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11/04/03

SE44

CDMA-800 ch383 Flat with Kyocera Belt Clip Antenna Extended

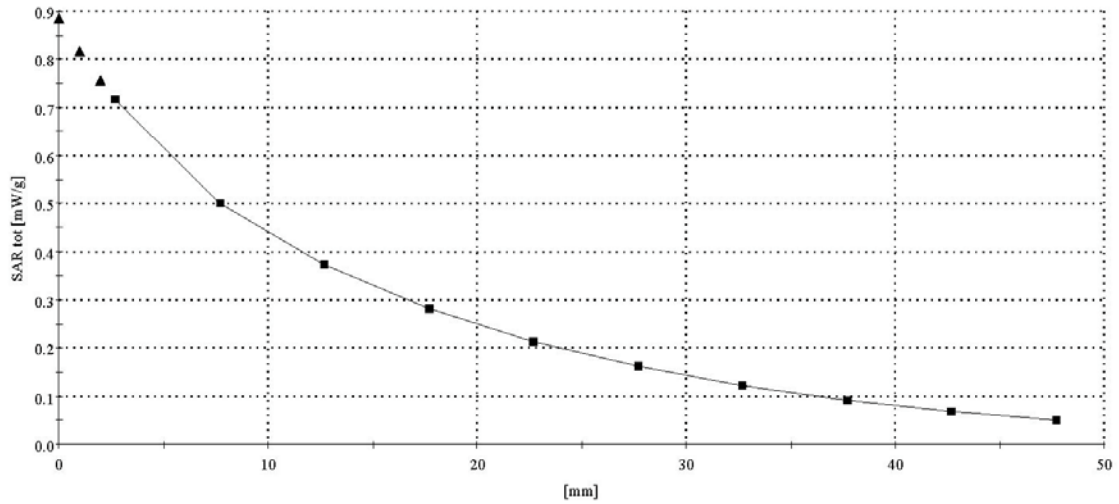
Liquid Temp: 22C +/- 1deg.C

SAM Phantom; Section; Position; Frequency: 835 MHz

Probe: ET3DV6 - SN1664; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.95 \text{ mho/m}$ $\epsilon_r = 54.0$ $\rho = 1.00 \text{ g/cm}^3$

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

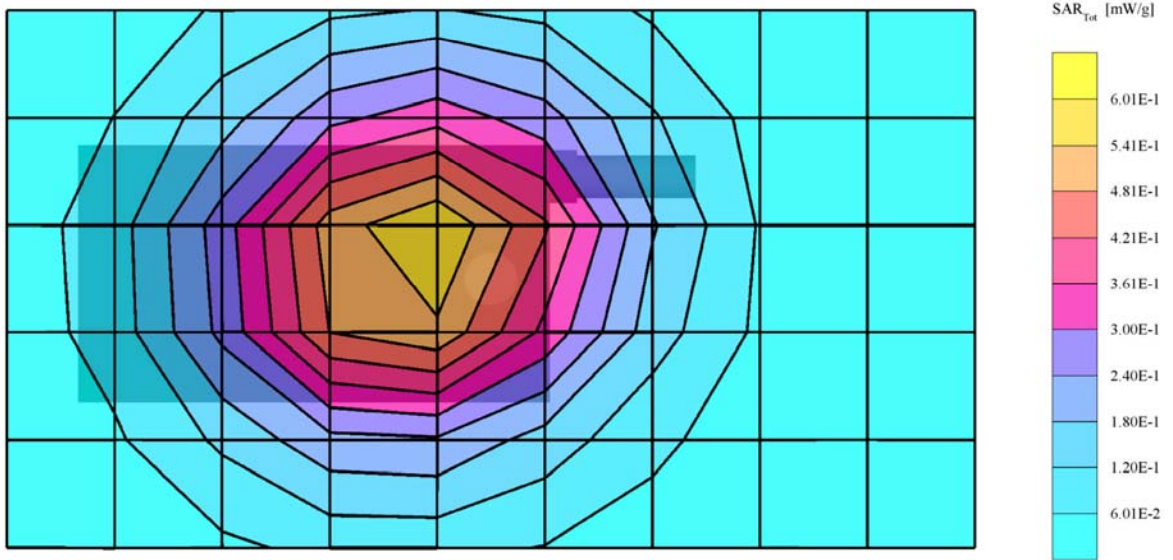


KWC

11/04/03

SE44

CDMA-800 ch777 Flat with Kyocera Belt Clip Antenna Retracted
 Liquid Temp: 22C +/- 1deg C
 SAM Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1664; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.95 \text{ mho/m}$, $\epsilon_r = 54.0$, $\rho = 1.00 \text{ g/cm}^3$
 Cube 7x7x7: SAR (1g): 0.605 mW/g, SAR (10g): 0.422 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.08 dB

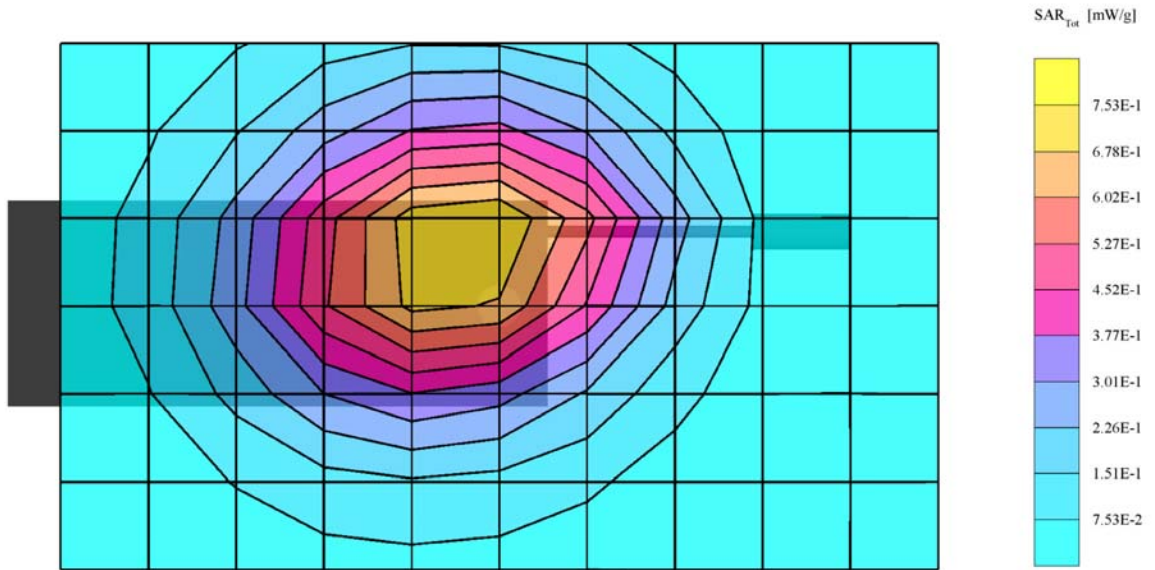


KWC

12/10/03

SE44

CDMA-800 ch383 Flat with 25mm Air Gap, Antenna Extended
 Liquid Temp = 22C +/- 1deg C
 SAM Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.98$ mho/m $\epsilon_r = 55.9$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: SAR (1g): 0.785 mW/g, SAR (10g): 0.552 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.02 dB

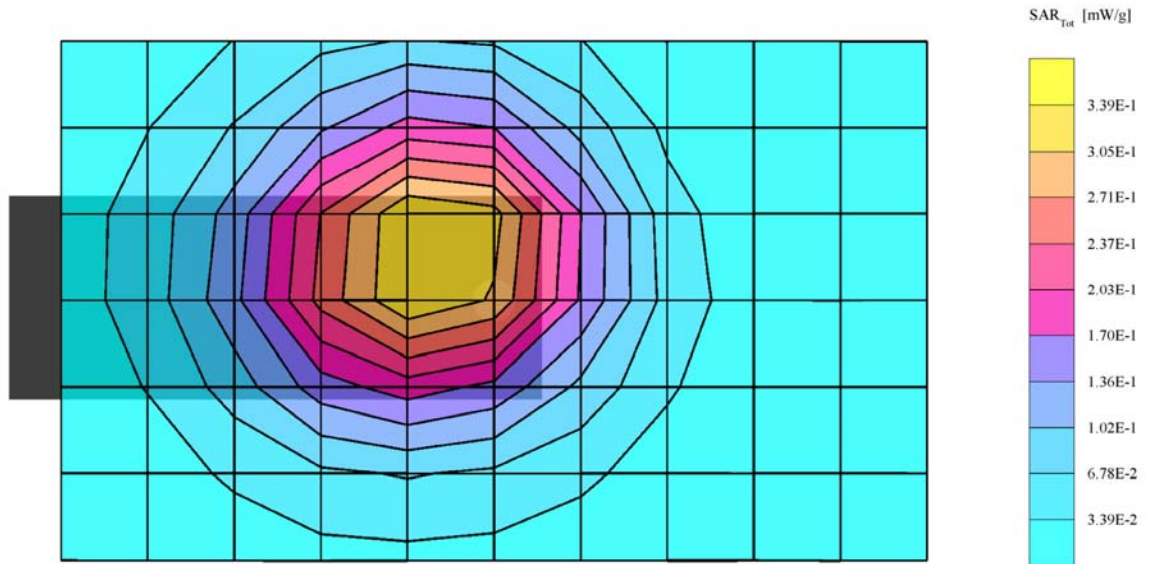


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SE44

CDMA-800 ch383 Flat with 25mm Air Gap, Antenna Retracted
 Liquid Temp = 22C \pm 1 deg.C
 SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.98$ mho/m $\epsilon_r = 55.9$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: SAR (1g): 0.356 mW/g, SAR (10g): 0.248 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.10 dB

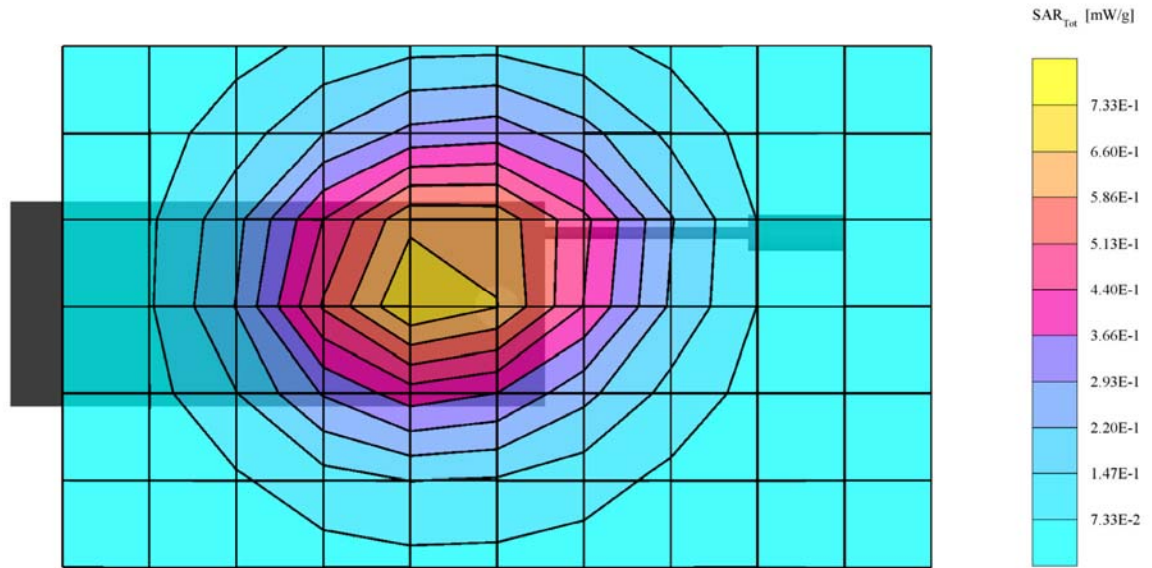


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CDMA-800 ch383 Flat with Kyocera Belt Clip, Antenna Extended
 Liquid Temp = 22C \pm 1 deg.C
 SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.98$ mho/m $\epsilon_r = 55.9$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: SAR (1g): 0.731 mW/g, SAR (10g): 0.517 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.24 dB



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CDMA-800 ch383 Flat with Kyocera Belt Clip, Antenna Extended

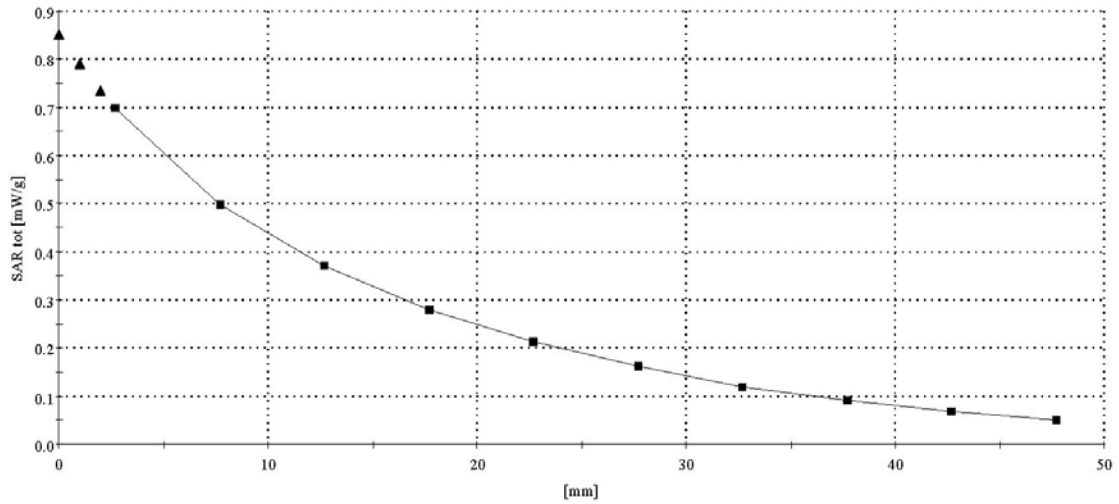
Liquid Temp = 22C(+/- 1deg.C

SAM Phantom; Section; Position; Frequency: 835 MHz

Probe: ET3DV6 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.98 \text{ mho/m}$ $\epsilon_r = 55.9$ $\rho = 1.00 \text{ g/cm}^3$

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

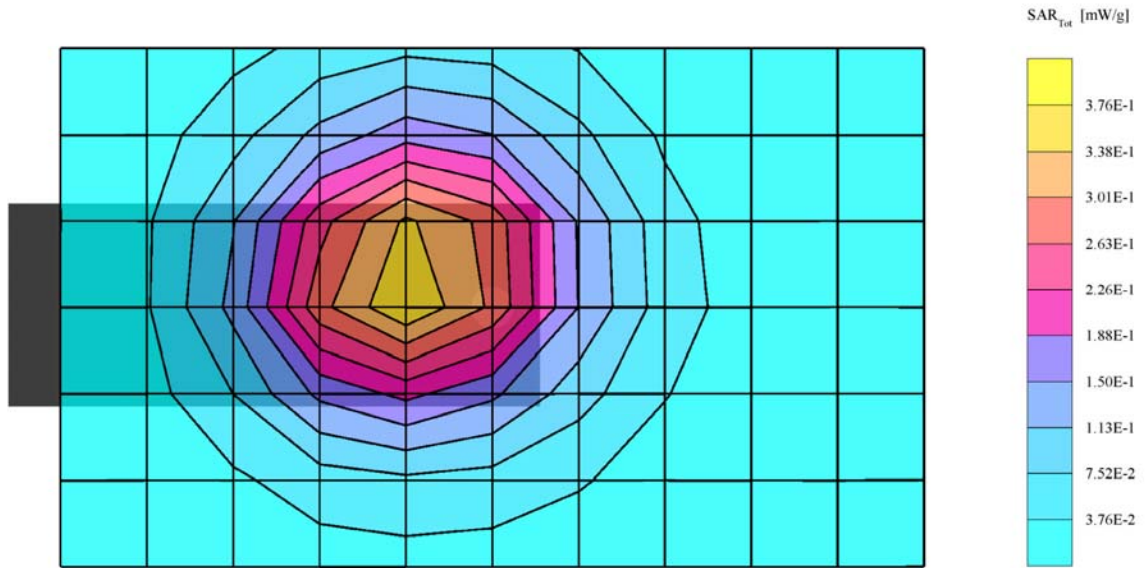


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12/10/03

SE44

CDMA-800 ch383 Flat with Kyocera Belt Clip, Antenna Retracted
 Liquid Temp = 22C \pm 1 deg.C
 SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.98$ mho/m $\epsilon_r = 55.9$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: SAR (1g): 0.382 mW/g, SAR (10g): 0.267 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.27 dB

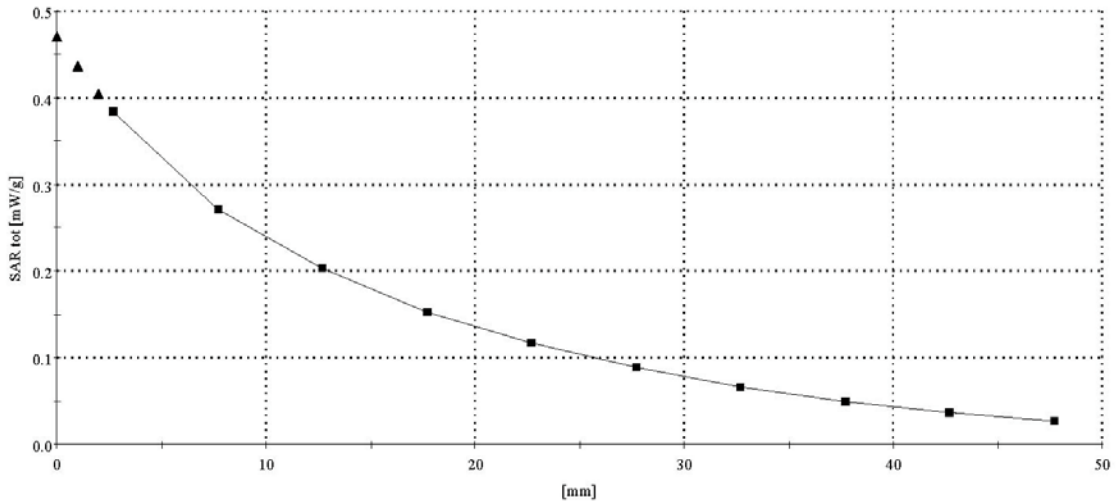


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12/10/03

SE44

CDMA-800 ch383 Flat with Kyocera Belt Clip, Antenna Retracted
 Liquid Temp = 22C(+/- 1deg.C)
 SAM Phantom; Section; Position:; Frequency: 835 MHz
 Probe: ET3DV6 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.98 \text{ mho/m}$ $\epsilon_r = 55.9$ $\rho = 1.00 \text{ g/cm}^3$
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 Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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