APPENDIX B-1:

SAR Distribution Plots

For

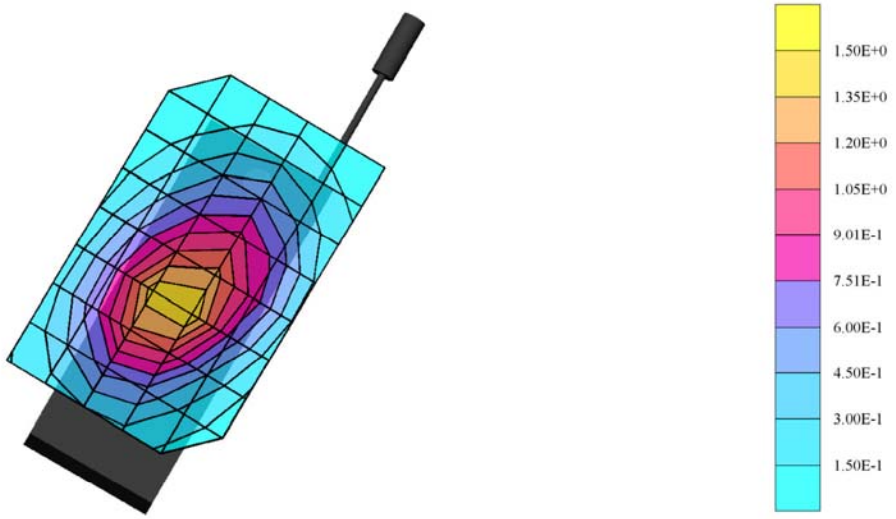
Model SE44

AMPS Mode 800 MHz Band

Section 1
SAR Distribution plots for Head Adjacent Use Configuration

11/13/03

SE44
AMPS ch383 Left Cheek, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.49 mW/g, SAR (10g): 0.993 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.19 dB



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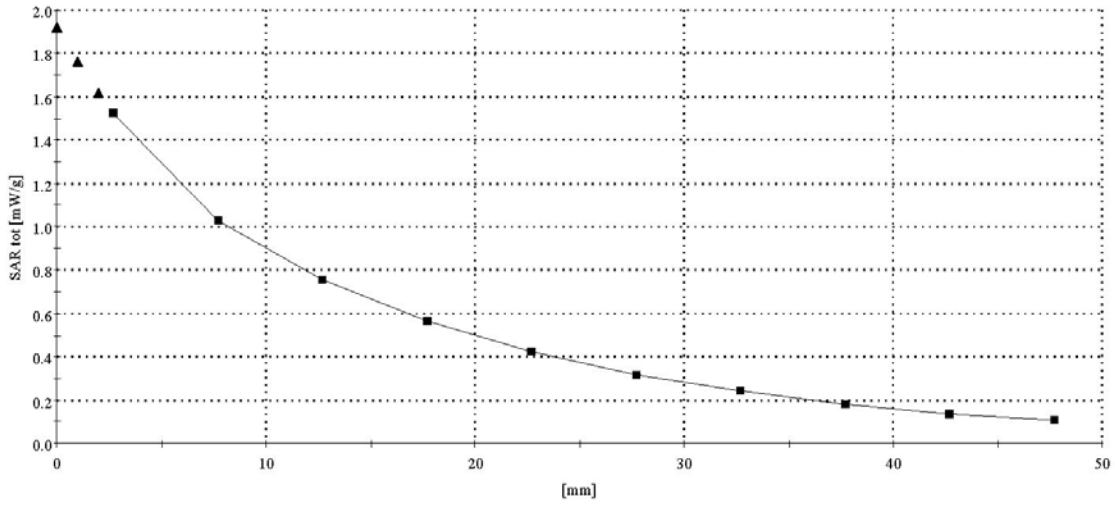
SE44

AMPS ch383 Left Cheek, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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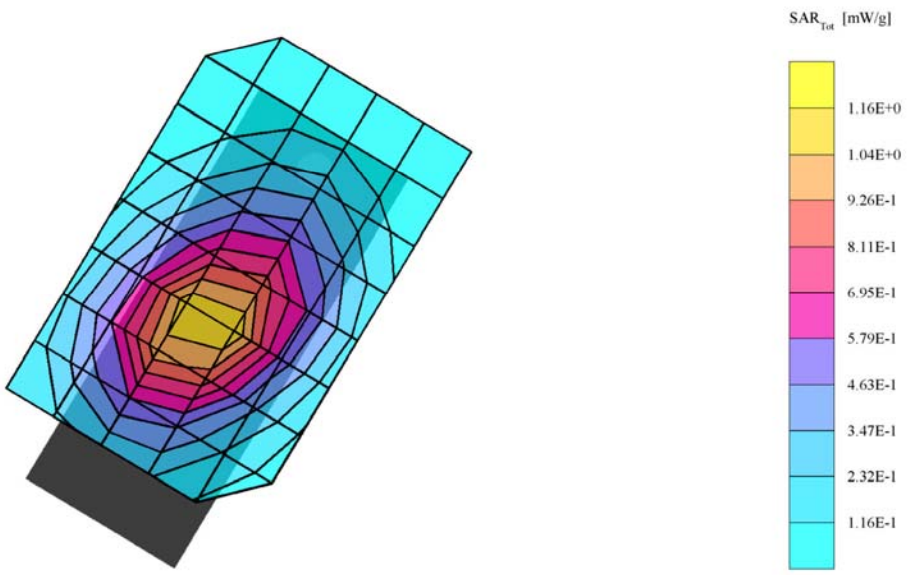
SE44

AMPS ch799 Left Cheek, Antenna Retracted
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 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 = 10.0
Powerdrift: -0.03 dB



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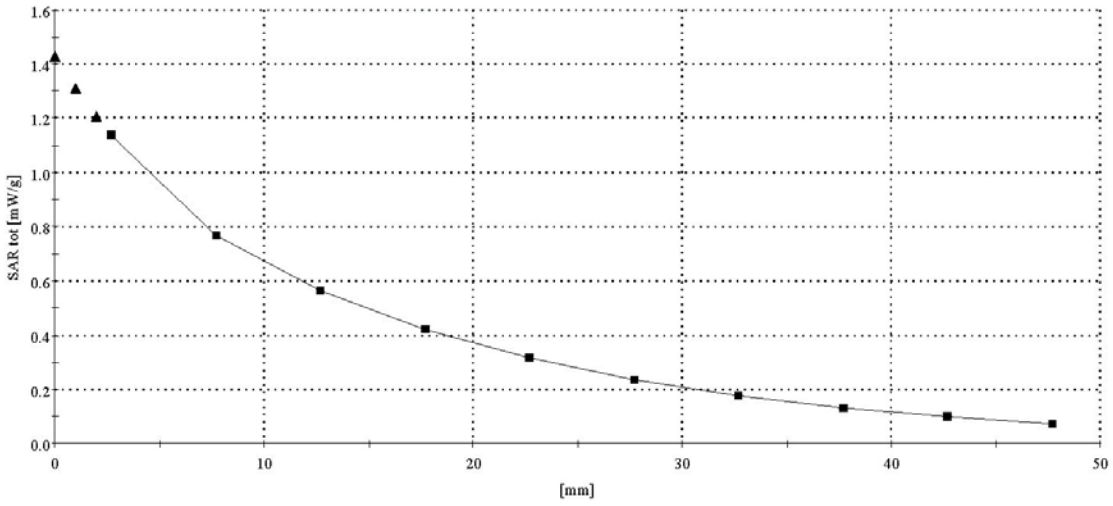
SE44

AMPS ch799 Left Cheek, Antenna Retracted
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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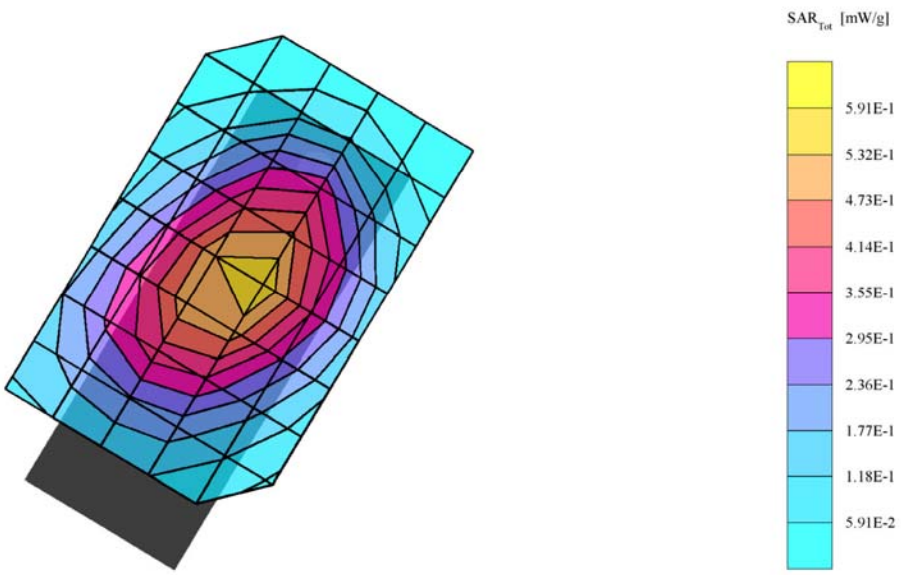
SE44

AMPS ch799 Left Tilt, Antenna Retracted
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.555 mW/g, SAR (10g): 0.393 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.22 dB



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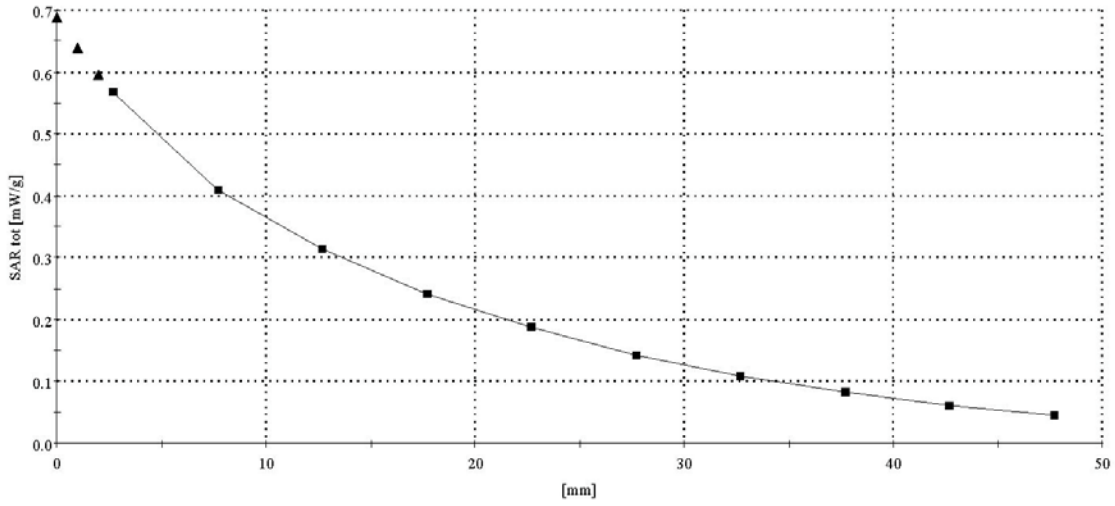
SE44
AMPS ch799 Left Tilt, Antenna Retracted
Liquid Temp: 22 +\- 1deg.C
SAM Phantom; Section; Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 42.6$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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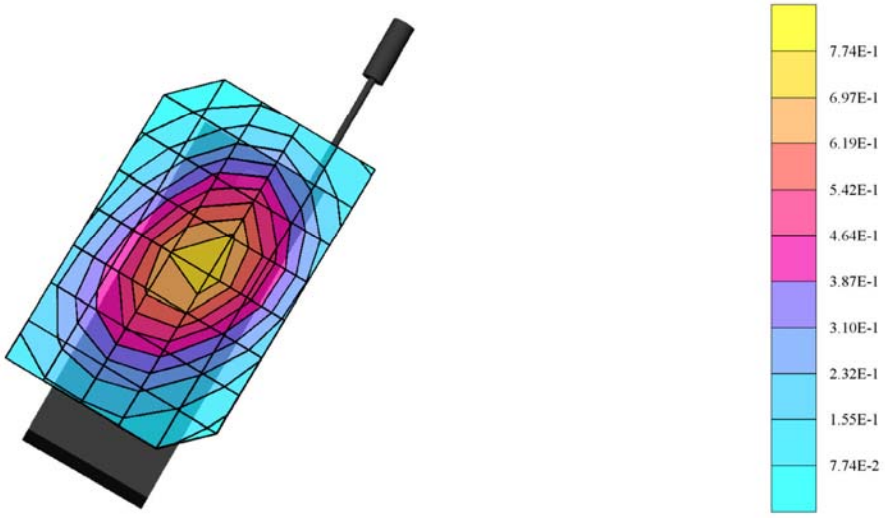
11/13/03

SE44

AMPS ch383 Left Tilt, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.758 mW/g, SAR (10g): 0.540 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.02 dB



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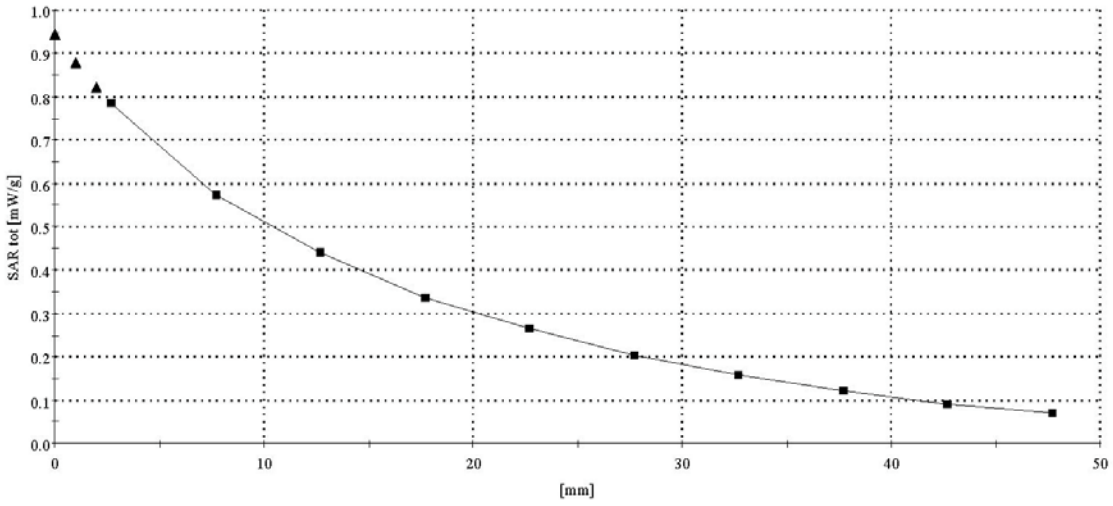
SE44

AMPS ch383 Left Tilt, Antenna Extended
Liquid Temp: 22 +\- 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: $\sigma = 0.89$ mho/m $\varepsilon_r = 42.6$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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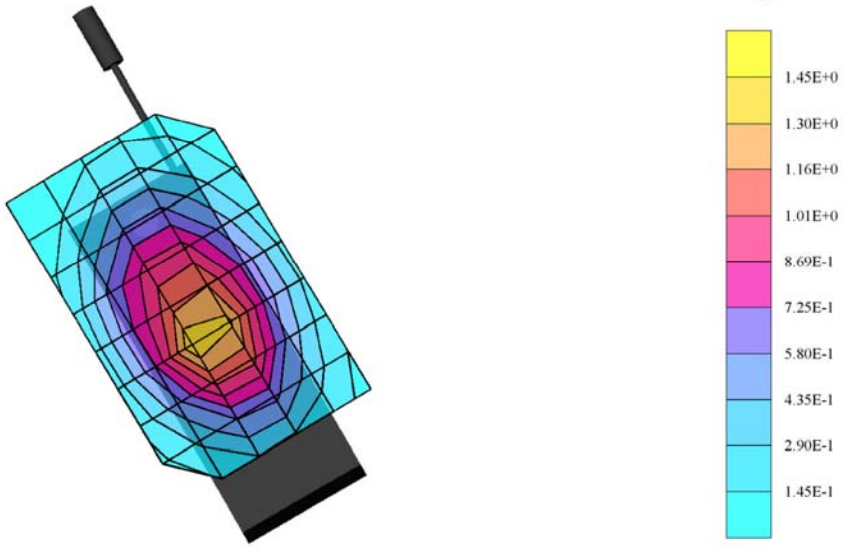
11/13/03

SE44
AMPS ch383 Right Cheek, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.39 mW/g, SAR (10g): 0.937 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB



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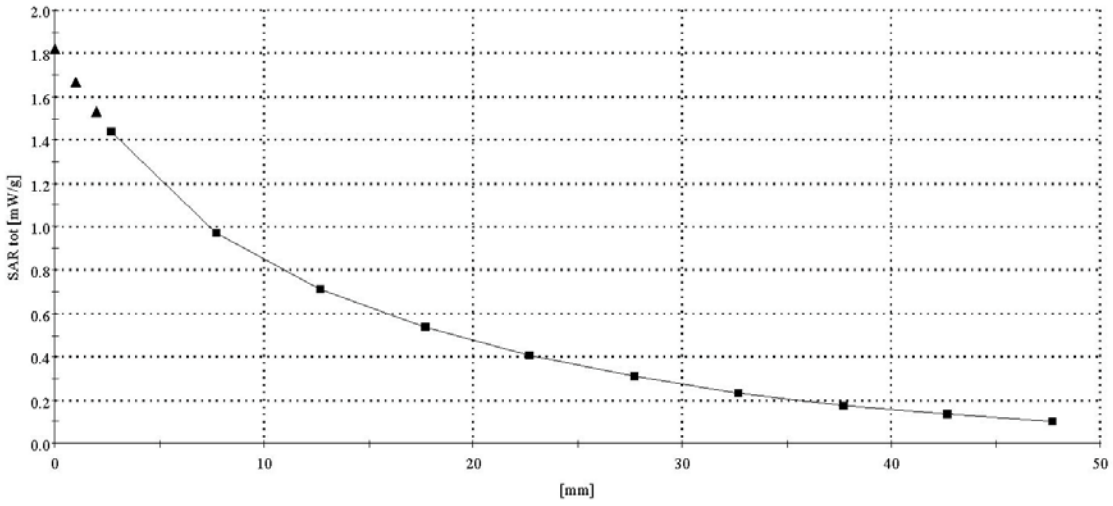
SE44

AMPS ch383 Right Cheek, Antenna Extended
Liquid Temp: 22 +\- 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: $\sigma = 0.89$ mho/m $\varepsilon_r = 42.6$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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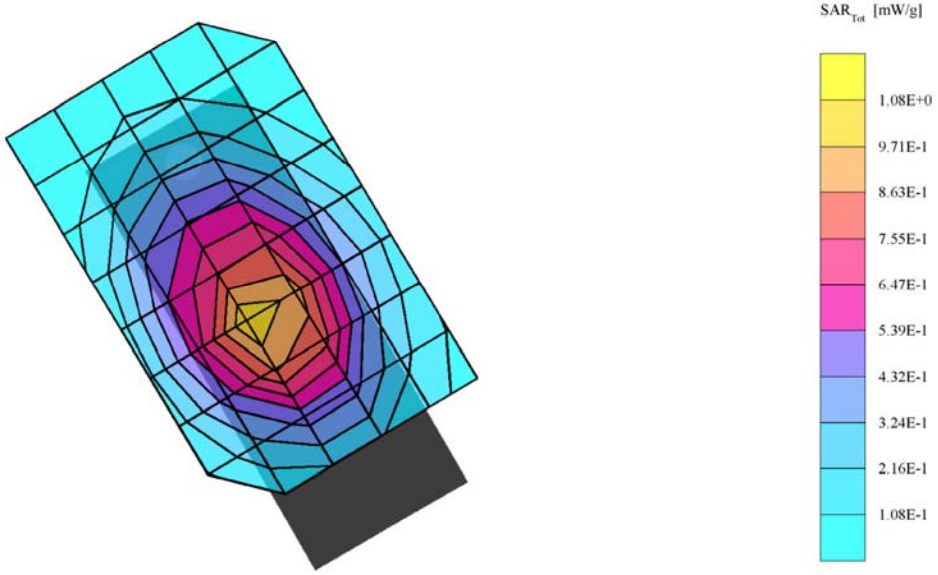
11/13/03

SE44

AMPS ch799 Right Cheek, Antenna Retracted
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.02 mW/g, SAR (10g): 0.684 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB



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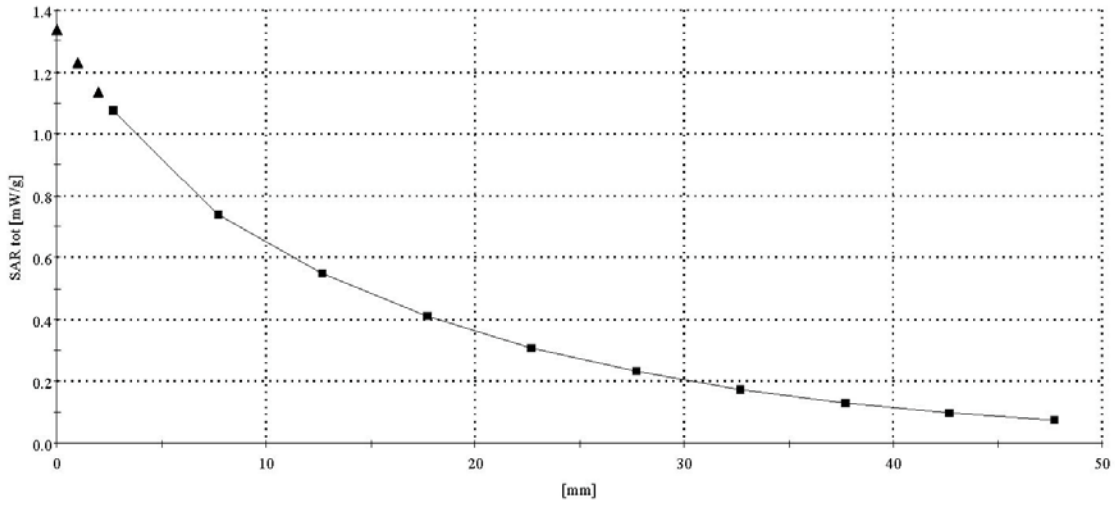
11/13/03

SE44

AMPS ch799 Right Cheek, Antenna Retracted
Liquid Temp: 22 +\- 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: $\sigma = 0.89$ mho/m $\varepsilon_r = 42.6$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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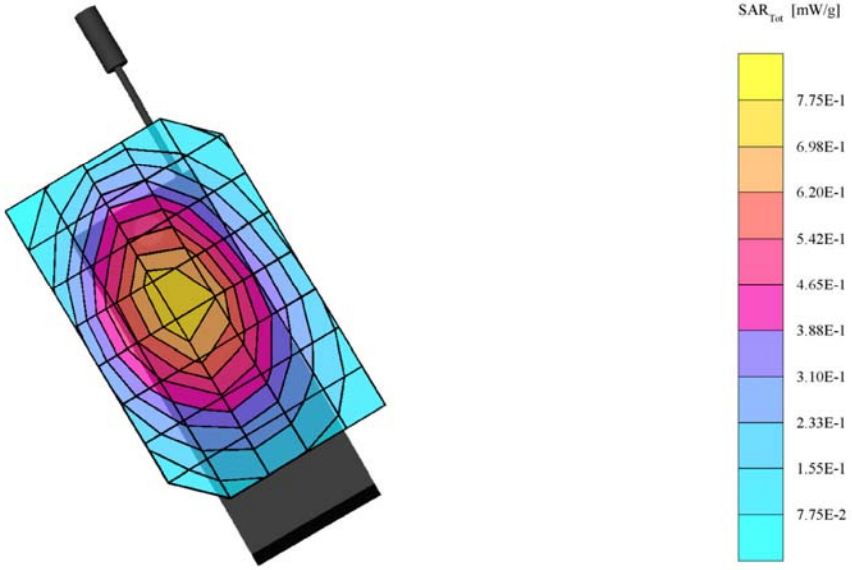
11/13/03

SE44
AMPS ch383 Right Tilt, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.753 mW/g, SAR (10g): 0.538 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.07 dB



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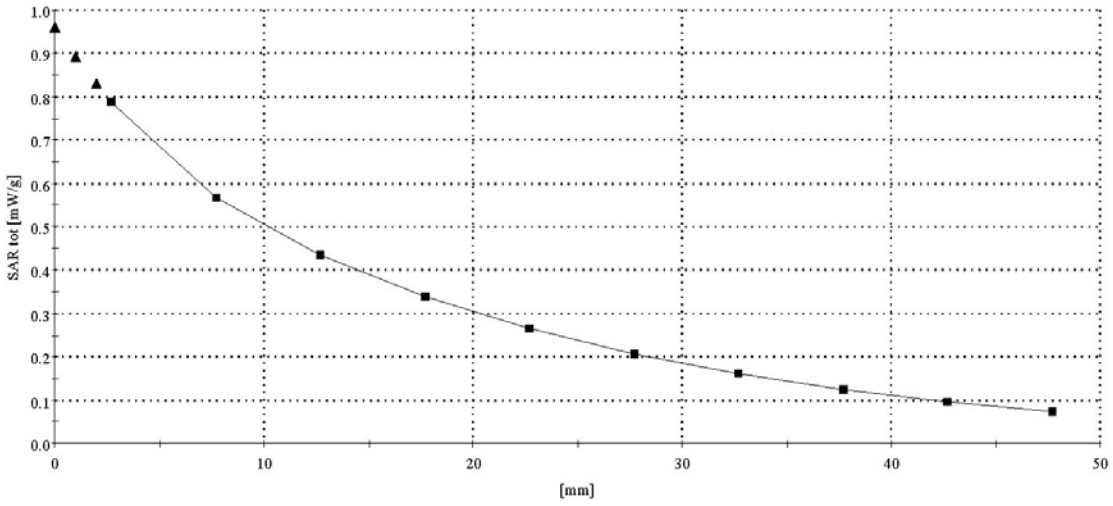
11/13/03

SE44

AMPS ch383 Right Tilt, Antenna Extended
Liquid Temp: 22 +\- 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: $\sigma = 0.89$ mho/m $\varepsilon_r = 42.6$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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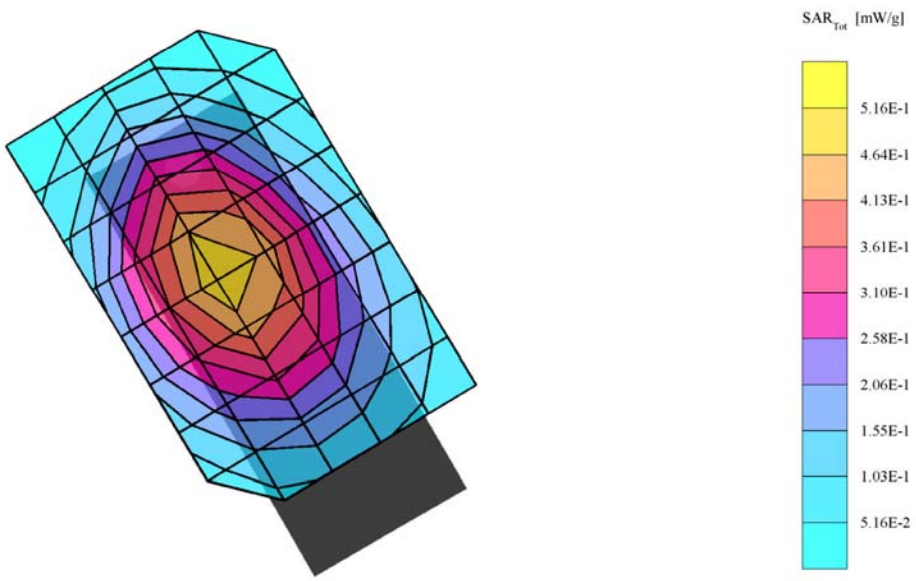
11/13/03

SE44

AMPS ch799 Right Tilt, Antenna Retracted
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 42.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.501 mW/g, SAR (10g): 0.355 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.09 dB



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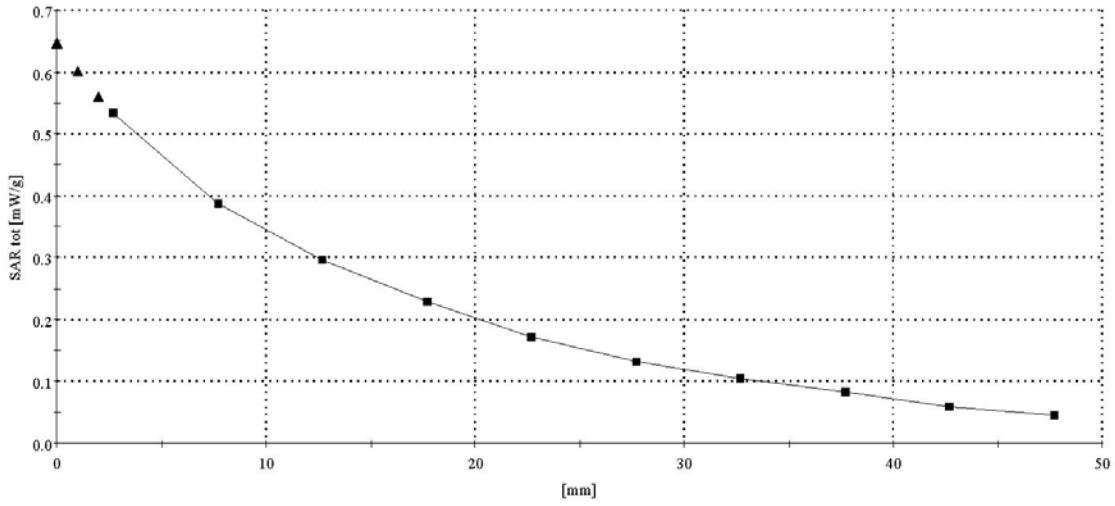
11/13/03

SE44

AMPS ch799 Right Tilt, Antenna Retracted
Liquid Temp: 22 +\- 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: $\sigma = 0.89$ mho/m $\varepsilon_r = 42.6$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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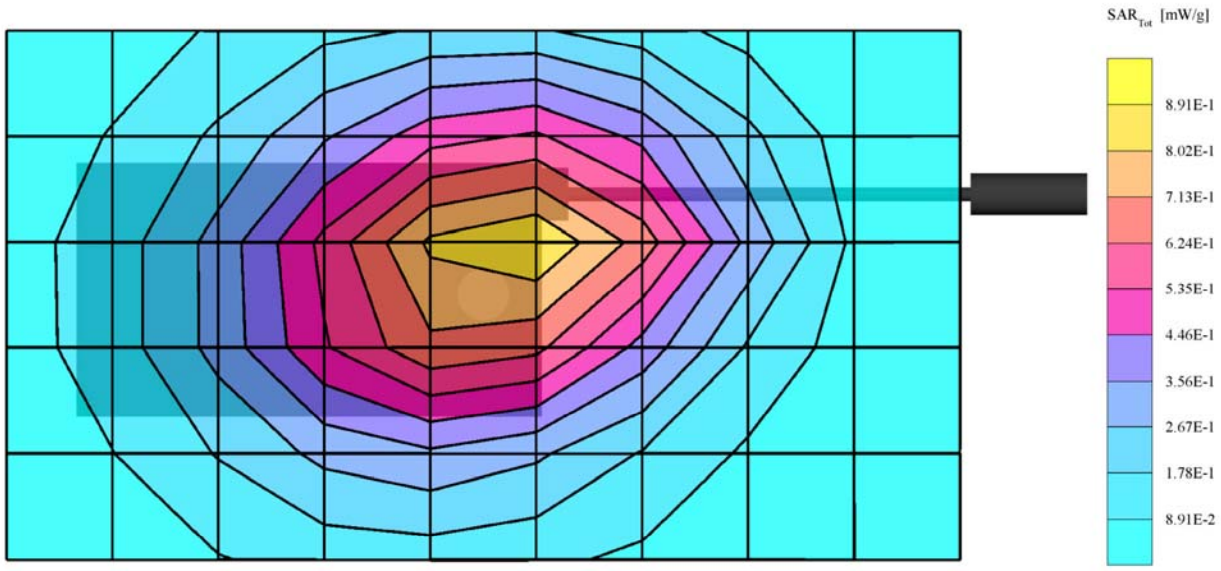
Section 2
SAR Distribution plots for Body Worn Configuration

11/14/03

SE44
AMPS ch383 Flat with Air Gap 25mm, Antenna Extended
Liquid Temp: 22 +\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.853 mW/g, SAR (10g): 0.590 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.01 dB



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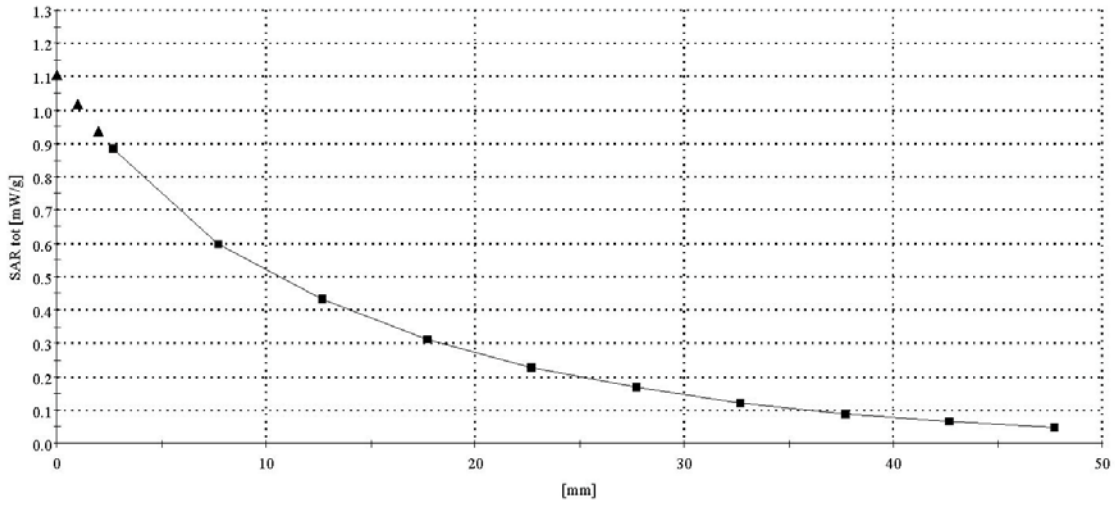
11/14/03

SE44

AMPS ch383 Flat with Air Gap 25mm, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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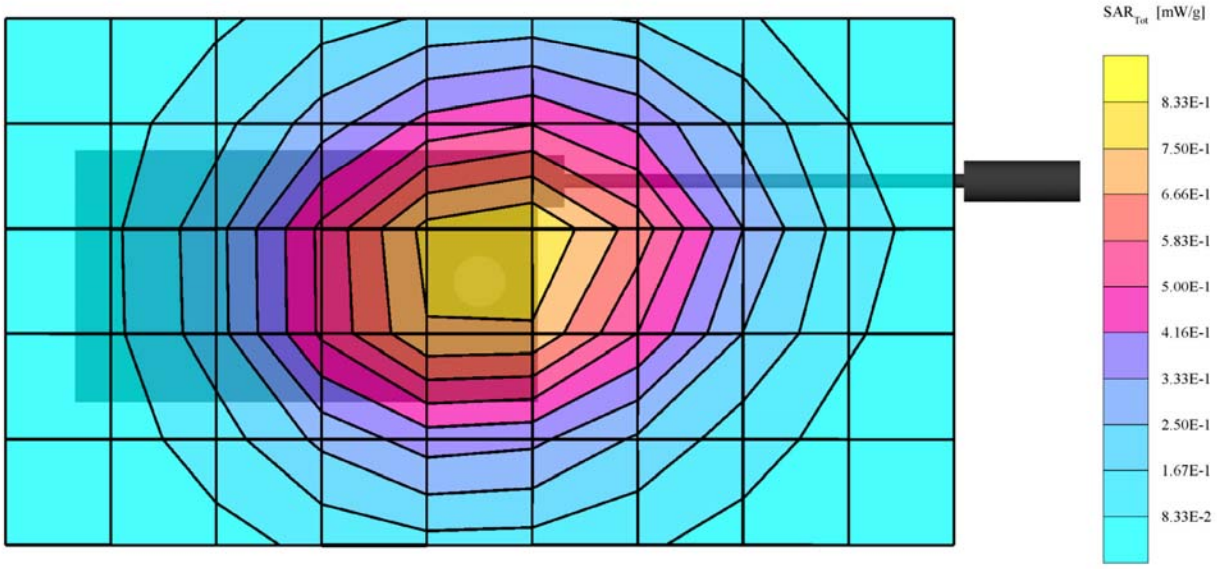
11/14/03

SE44

AMPS ch383 Flat with Kyocera Belt Clip, Antenna Extended
Liquid Temp: 22 +\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.841 mW/g, SAR (10g): 0.584 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.05 dB



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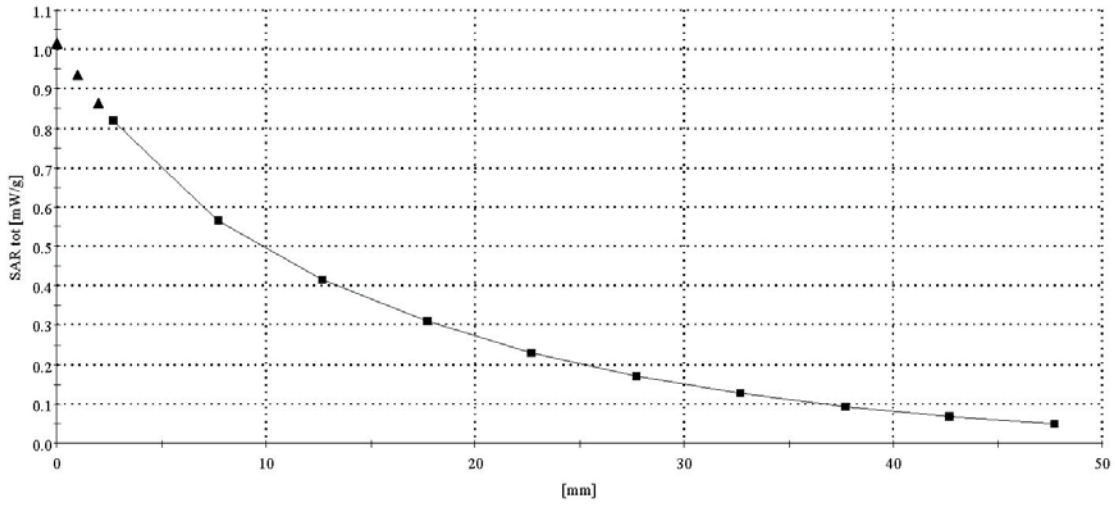
11/14/03

SE44

AMPS ch383 Flat with Kyocera Belt Clip, Antenna Extended
Liquid Temp: 22 +\- 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: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

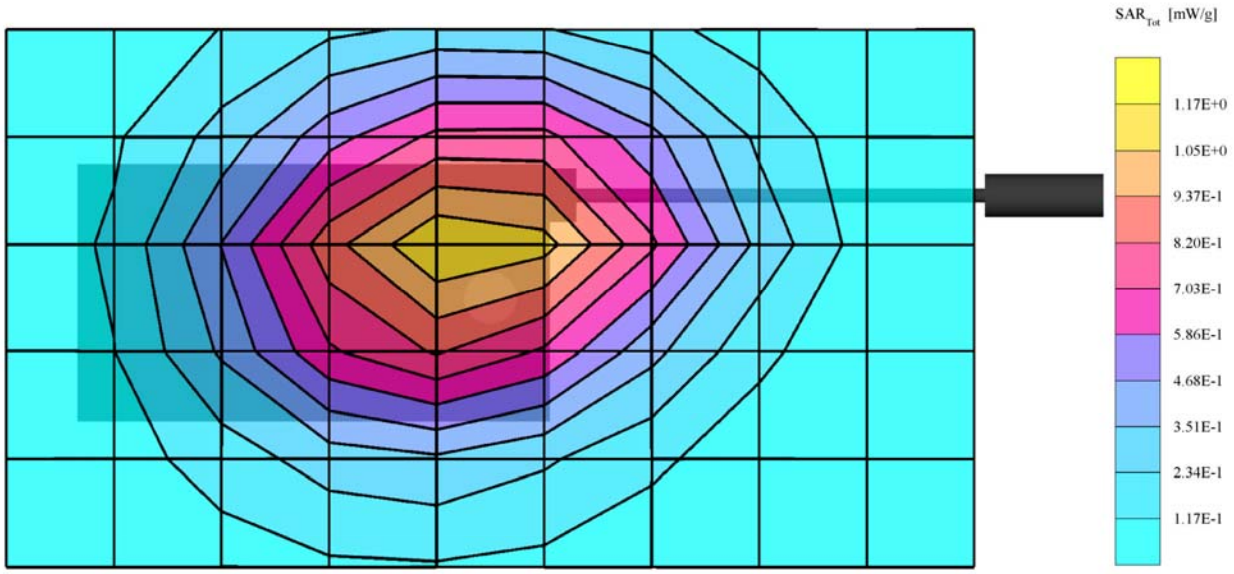


Kyocera Wireless Corp.

11/14/03

SE44

AMPS ch383 Flat with Leather Case, Antenna Extracted
Liquid Temp: 22 +\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.13 mW/g, SAR (10g): 0.779 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.18 dB

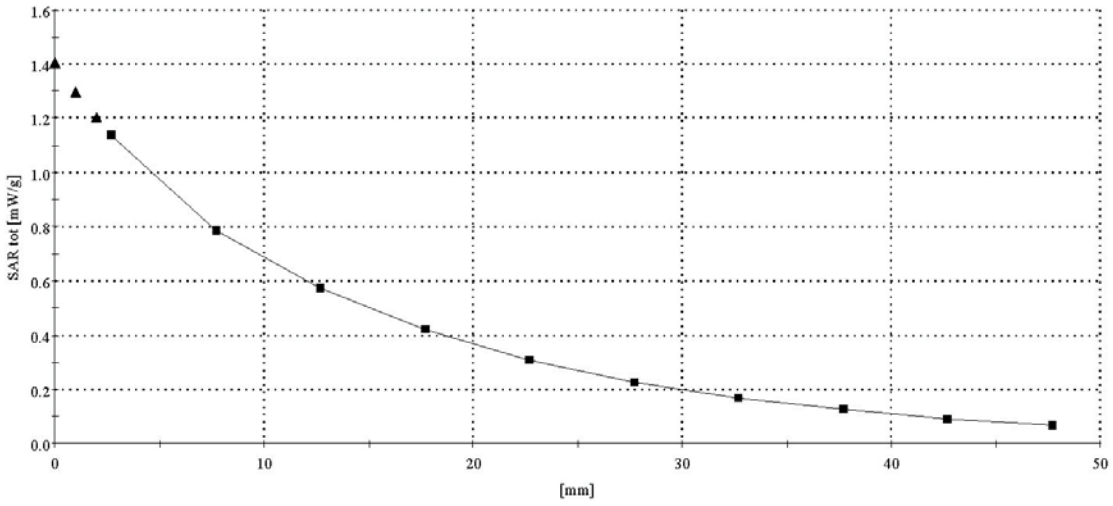


Kyocera Wireless Corp.

11/14/03

SE44

AMPS ch383 Flat with Leather Case, Antenna Extracted
Liquid Temp: 22 +\- 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: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.0$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

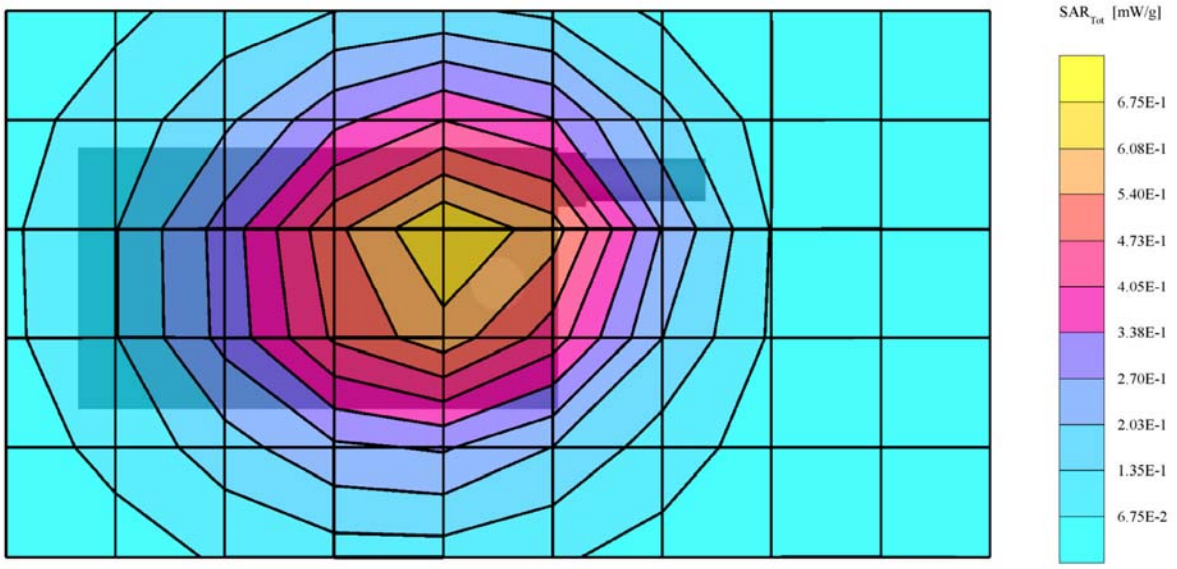


Kyocera Wireless Corp.

11/14/03

SE44

AMPS ch799 Flat with Air Gap 25mm, Antenna Retracted
Liquid Temp: 22 +\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.652 mW/g, SAR (10g): 0.451 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.10 dB

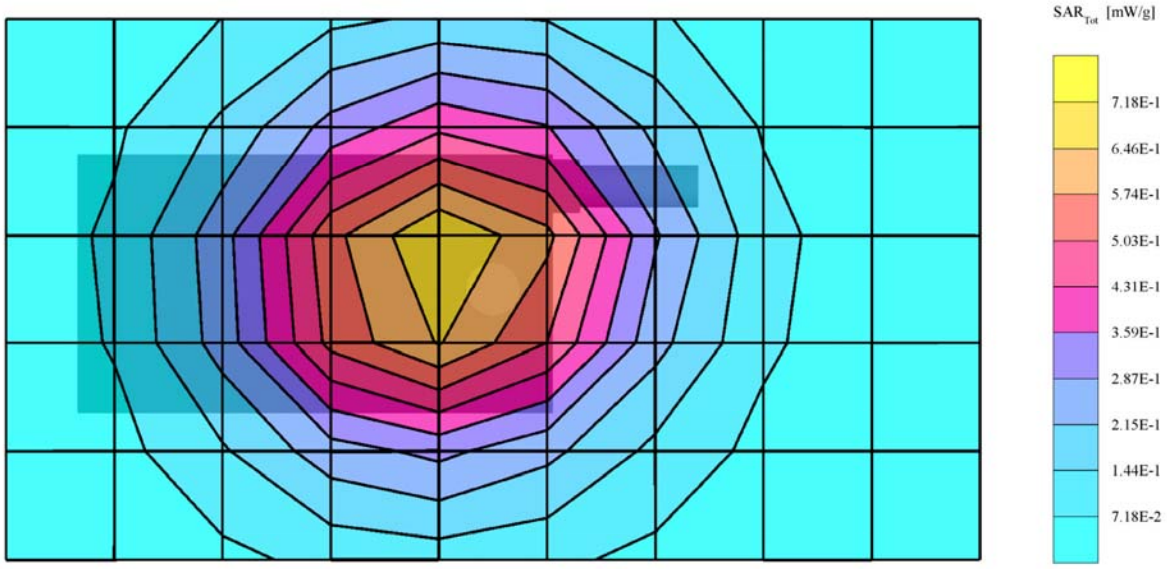


Kyocera Wireless Corp.

11/14/03

SE44

AMPS ch799 Flat with Kyocera Belt Clip, Antenna Retracted
Liquid Temp: 22 +\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1664; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.714 mW/g, SAR (10g): 0.492 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.06 dB

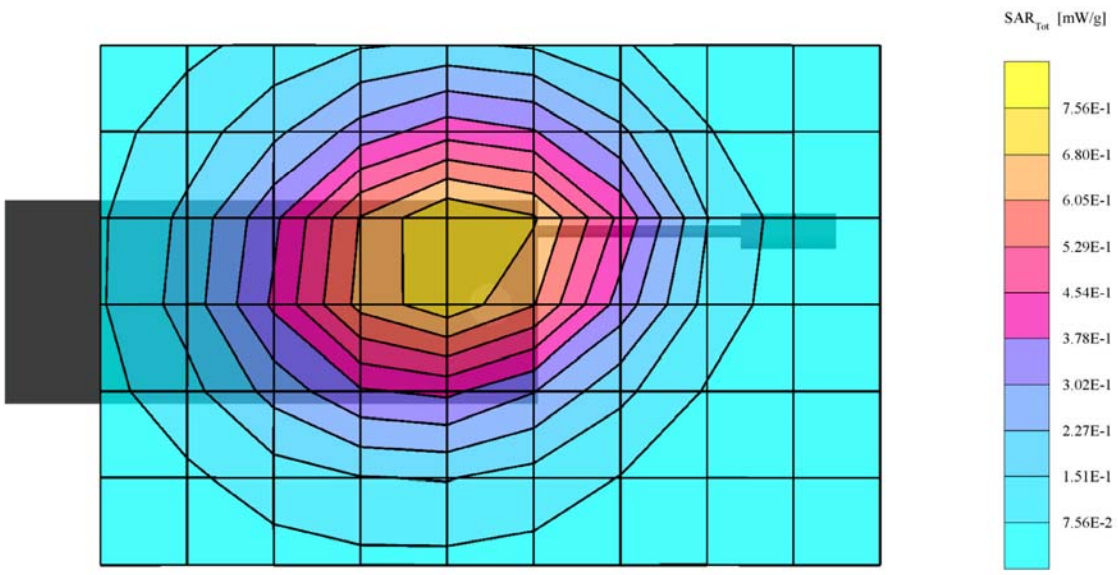


Kyocera Wireless Corp.

12/10/03

SE44

AMPS 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: σ = 0.98 mho/m ε_r = 55.9 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.765 mW/g, SAR (10g): 0.543 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.11 dB

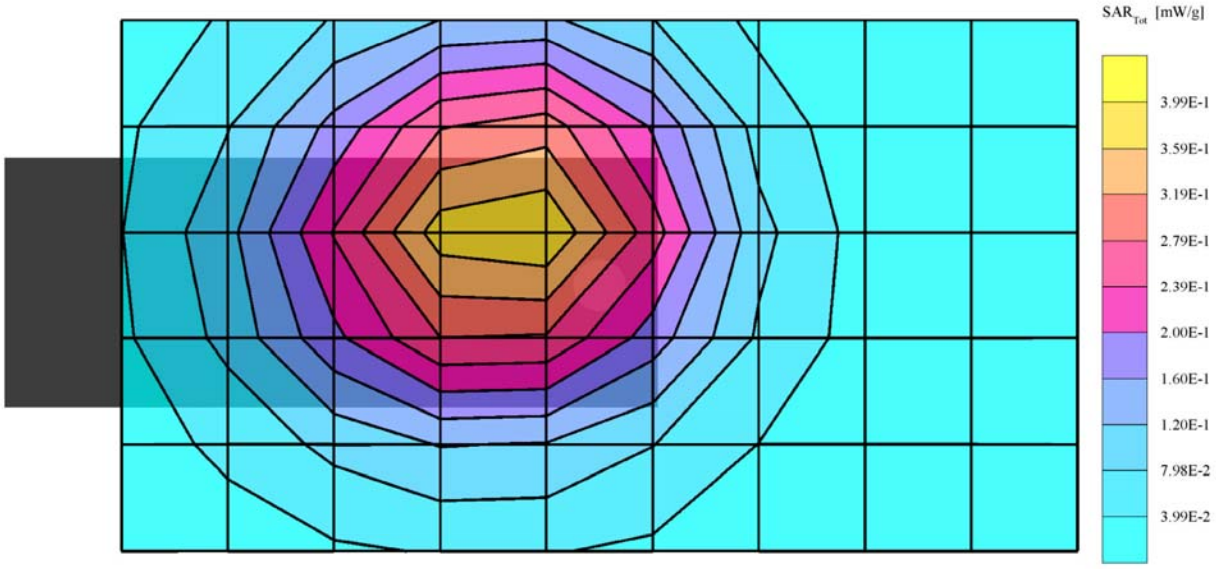


Kyocera Wireless Corp.

12/10/03

SE44

AMPS ch383 Flat with 25mm Air Gap, Antenna Retracted
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: σ = 0.98 mho/m ε_r = 55.9 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.390 mW/g, SAR (10g): 0.274 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.00 dB

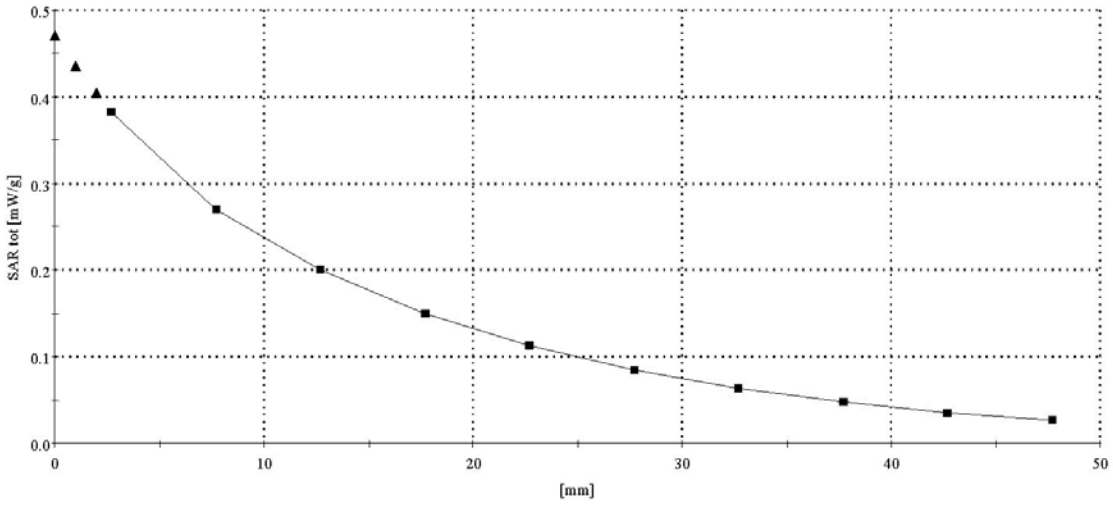


Kyocera Wireless Corp.

12/10/03

SE44

AMPS ch383 Flat with 25mm Air Gap, 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: $\sigma = 0.98$ mho/m $\varepsilon_r = 55.9$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

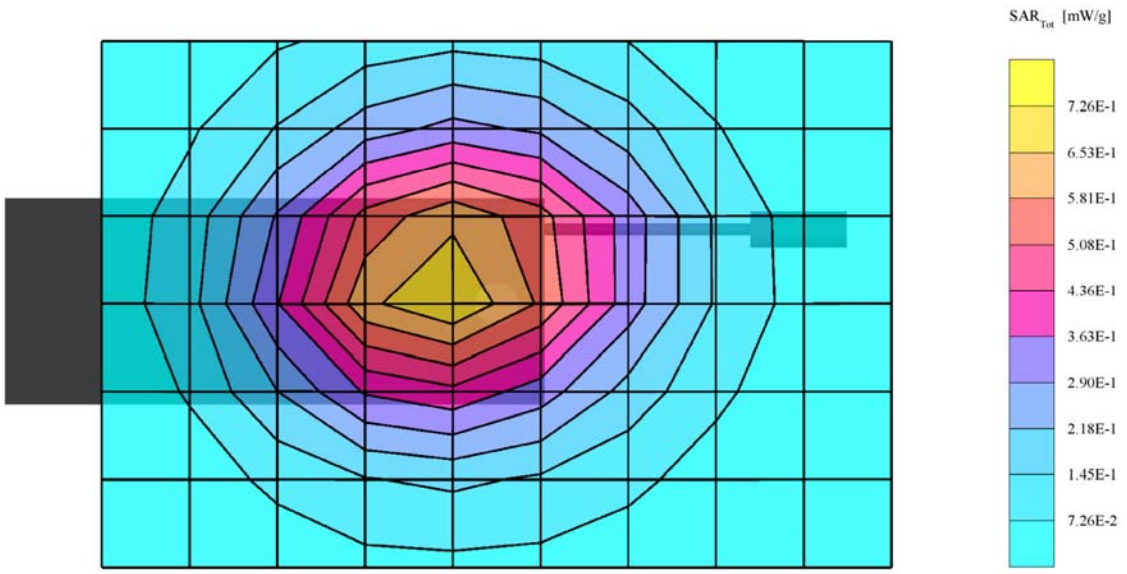


Kyocera Wireless Corp.

12/10/03

SE44

AMPS 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 - SN1663; ConvF(6.40,6.40,6.40); Crest factor: 1.0; 835 MHz Muscle: σ = 0.98 mho/m ε_r = 55.9 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.729 mW/g, SAR (10g): 0.516 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.10 dB

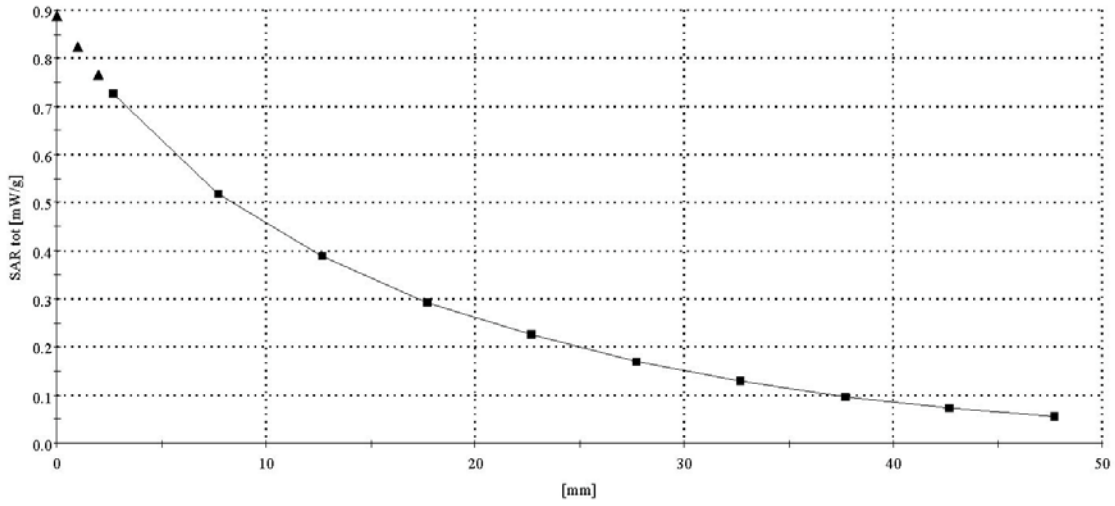


Kyocera Wireless Corp.

12/10/03

SE44

AMPS 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: $\sigma = 0.98$ mho/m $\varepsilon_r = 55.9$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

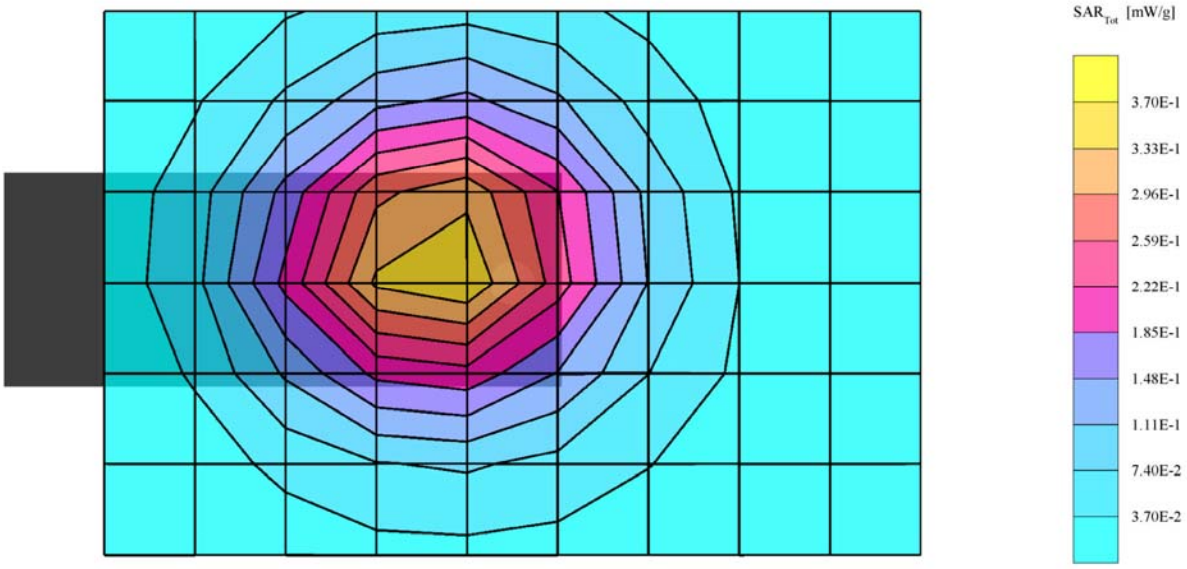


Kyocera Wireless Corp.

12/10/03

SE44

AMPS ch383 Flat with Kyocera Belt Clip, Antenna Retracted
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: σ = 0.98 mho/m ε_r = 55.9 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.381 mW/g, SAR (10g): 0.267 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.04 dB



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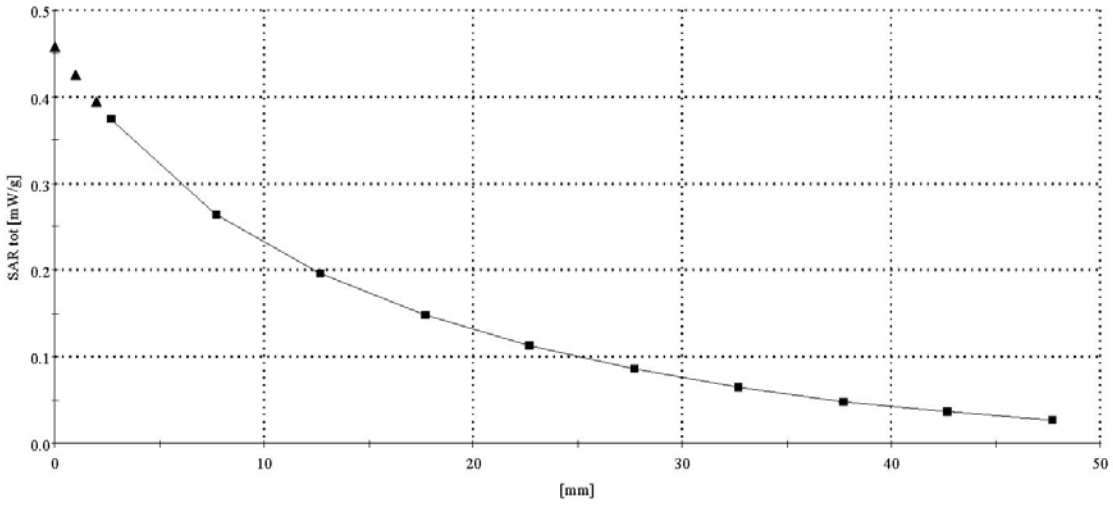
12/10/03

SE44

AMPS 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: $\sigma = 0.98$ mho/m $\varepsilon_r = 55.9$ $\rho = 1.00$ g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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