APPENDIX B-3:

SAR Distribution Plots

For

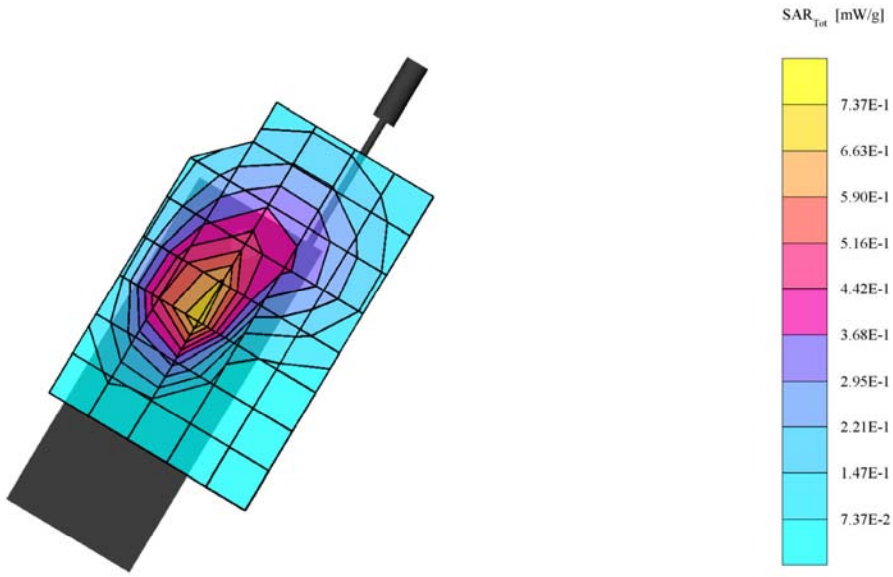
Model SE44

CDMA Mode 1900 MHz Band

Section 1
SAR Distribution plots for Head Adjacent Use Configuration

11/01/03

SE44
CDMA-1900 ch25 Left Cheek Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.764 mW/g, SAR (10g): 0.435 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.12 dB



KWC

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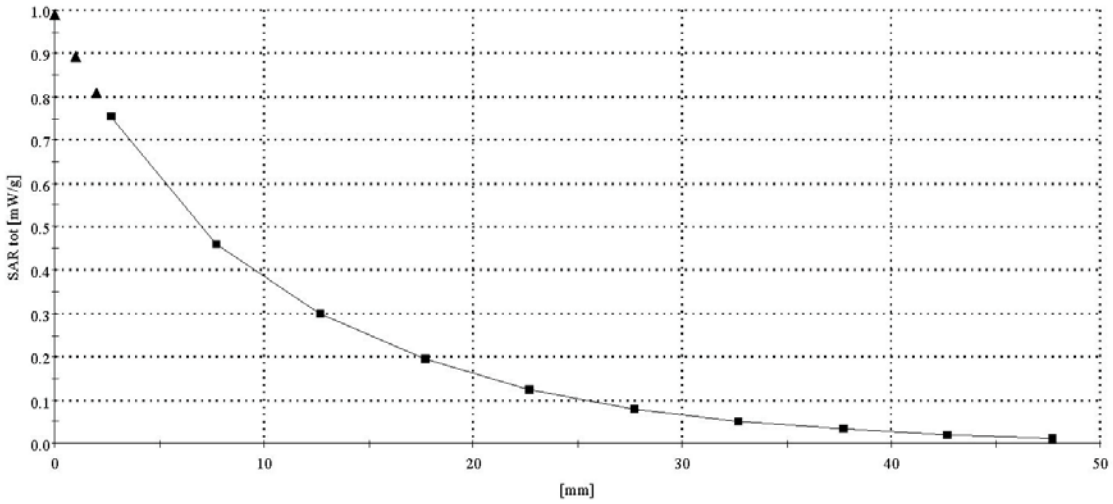
SE44

CDMA-1900 ch25 Left Cheek Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

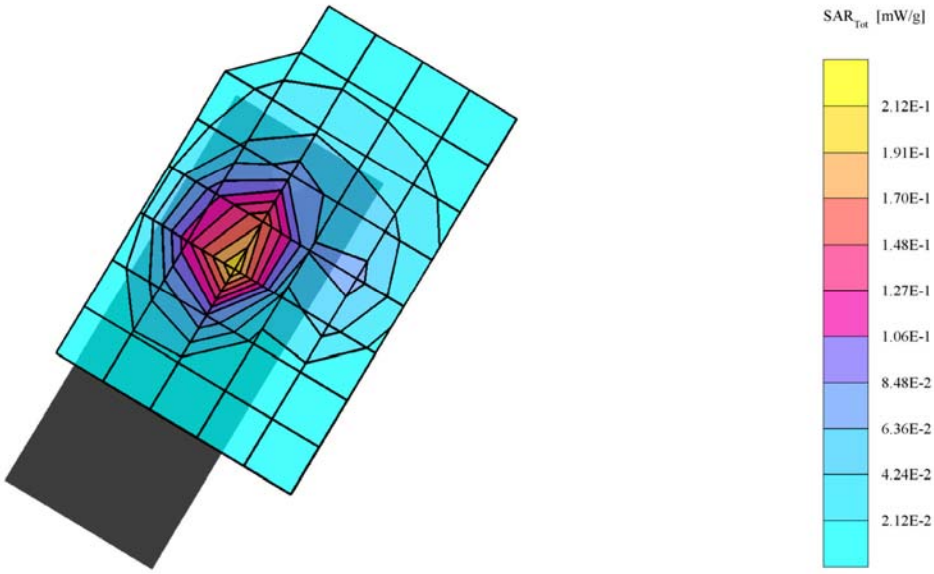


KWC

11/01/03

SE44

CDMA-1900 ch1175 Left Cheek Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.212 mW/g, SAR (10g): 0.116 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.02 dB

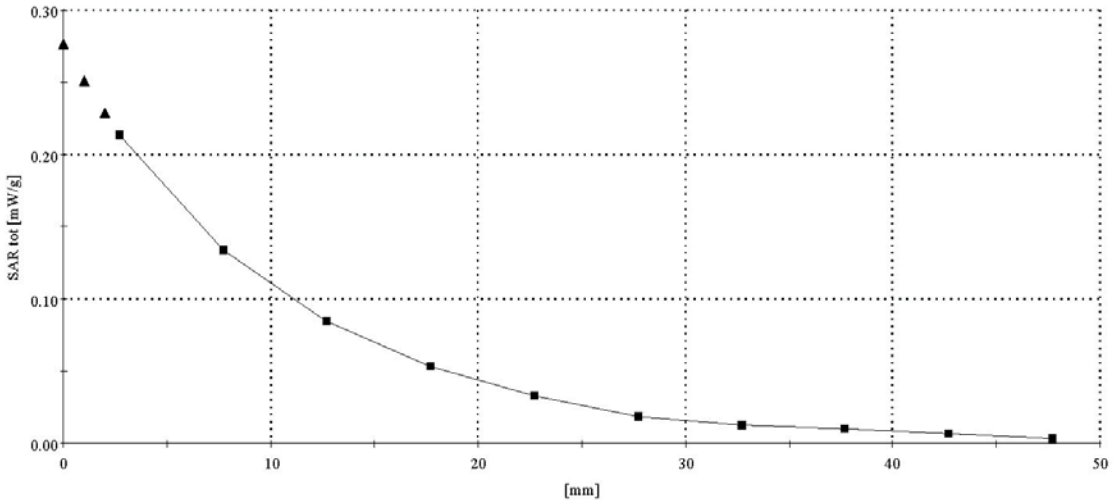


KWC

11/01/03

SE44

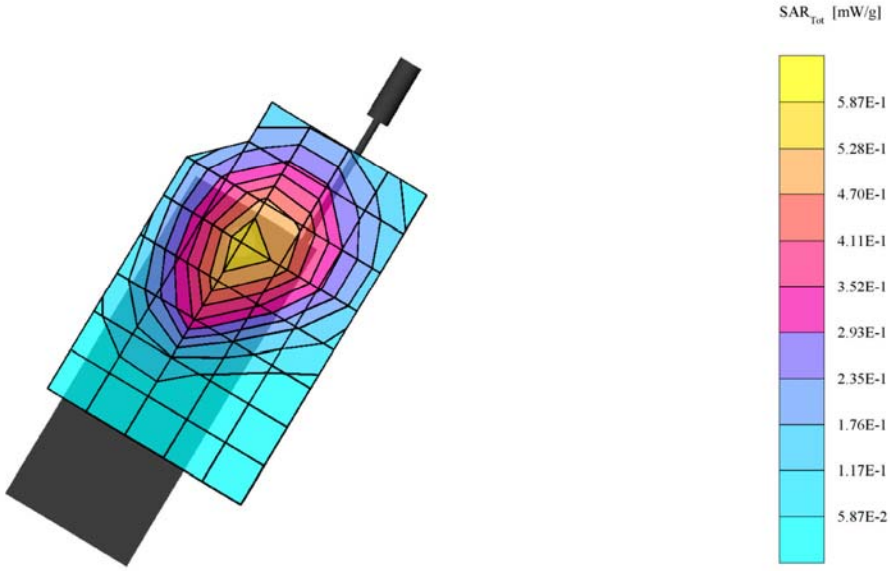
CDMA-1900 ch1175 Left Cheek Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



KWC

11/01/03

SE44
CDMA-1900 ch25 Left Tilt Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.567 mW/g, SAR (10g): 0.331 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.10 dB

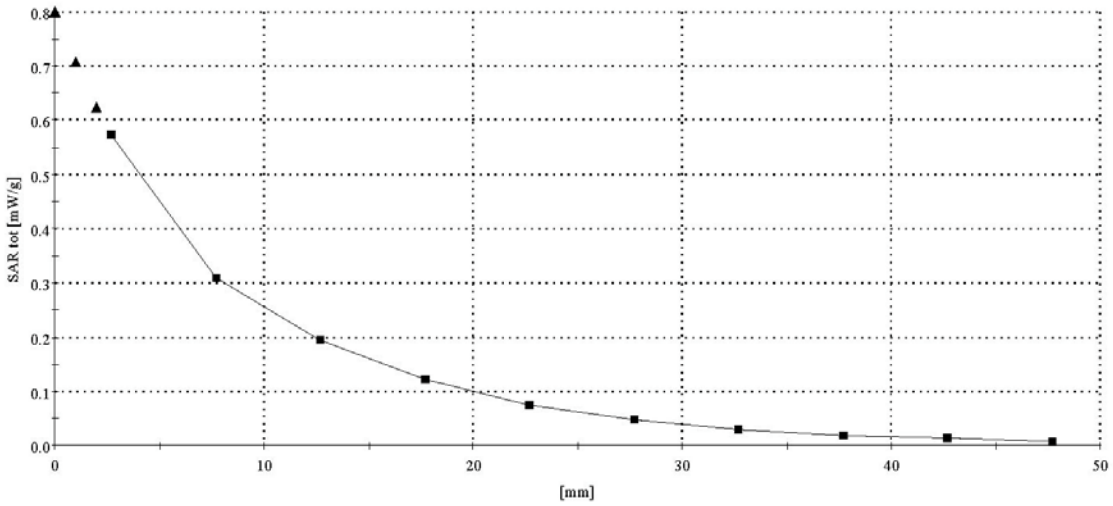


KWC

11/01/03

SE44

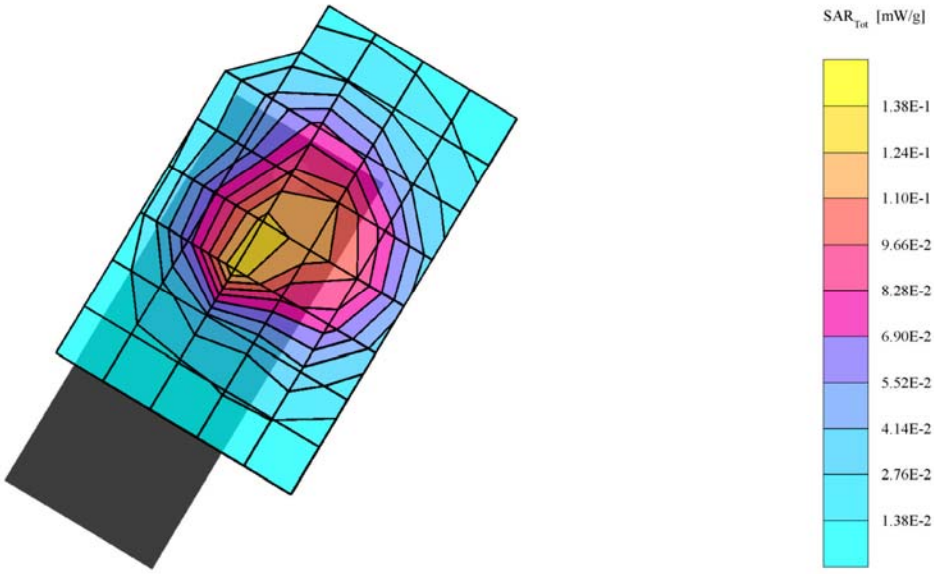
CDMA-1900 ch25 Left Tilt Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



KWC

11/01/03

SE44
CDMA-1900 ch25 Left Tilt Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.145 mW/g, SAR (10g): 0.0818 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.09 dB

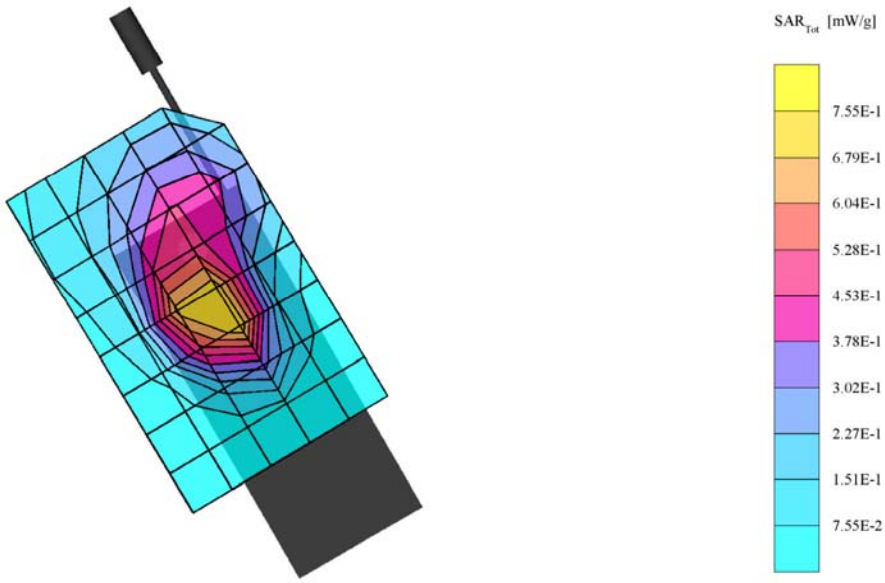


KWC

11/01/03

SE44

CDMA-1900 ch25 Right Cheek Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.857 mW/g, SAR (10g): 0.477 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.06 dB

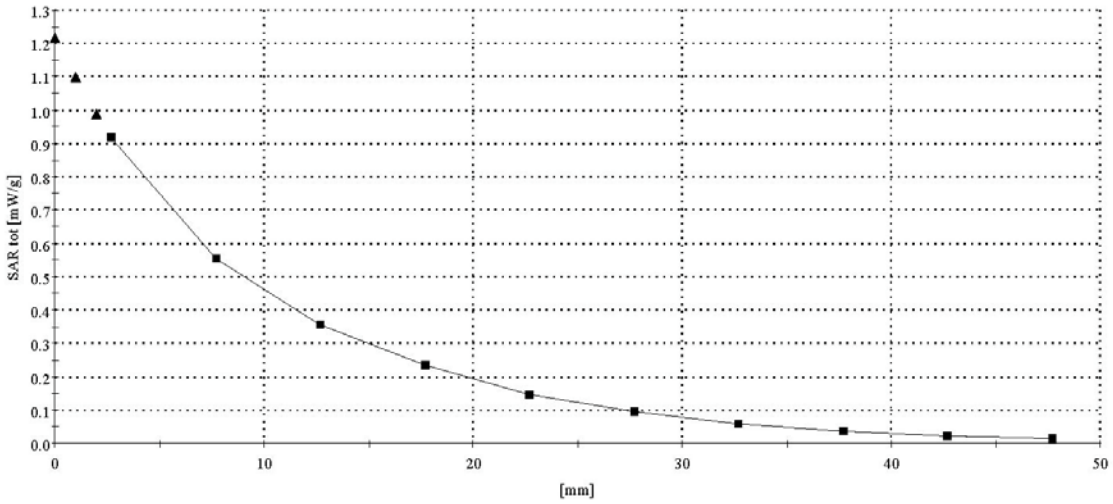


KWC

11/01/03

SE44

CDMA-1900 ch25 Right Cheek Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

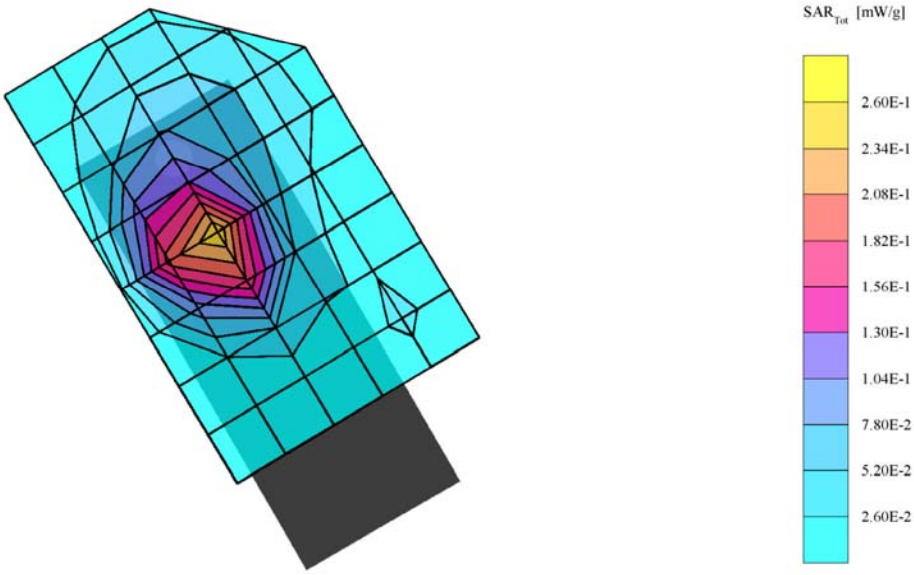


KWC

11/01/03

SE44

CDMA-1900 ch1175 Right Cheek Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.269 mW/g, SAR (10g): 0.145 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.20 dB

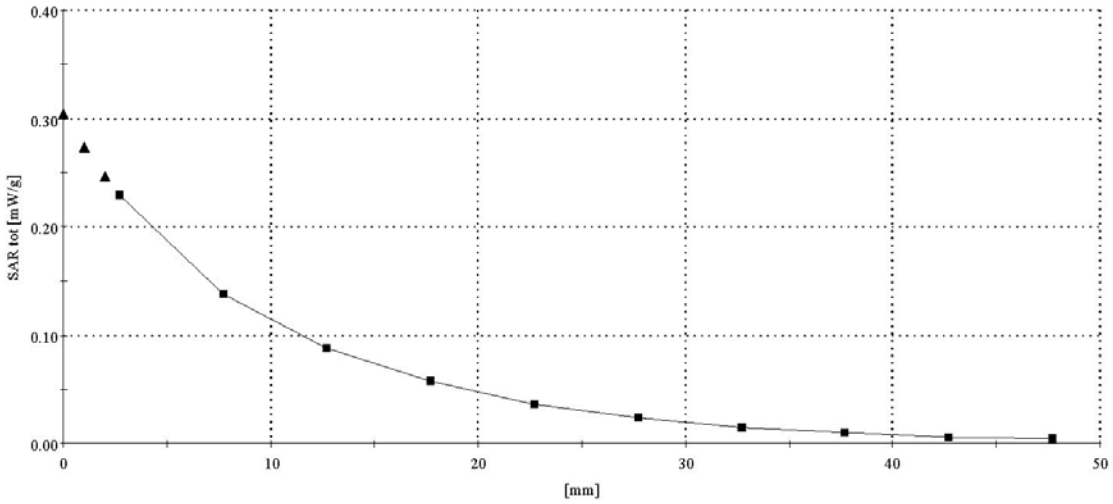


KWC

11/01/03

SE44

CDMA-1900 ch1175 Right Cheek Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

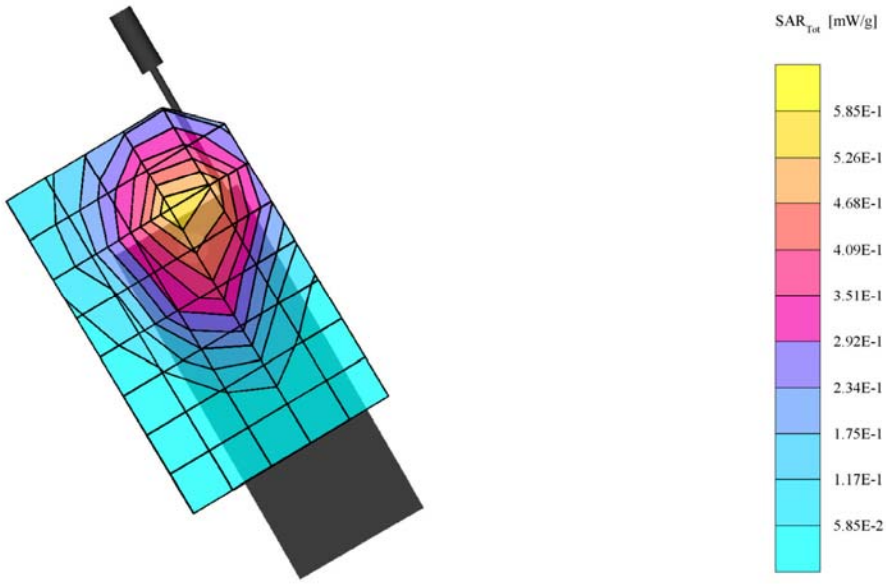


KWC

11/01/03

SE44

CDMA-1900 ch25 Right Tilt Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.587 mW/g, SAR (10g): 0.345 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0



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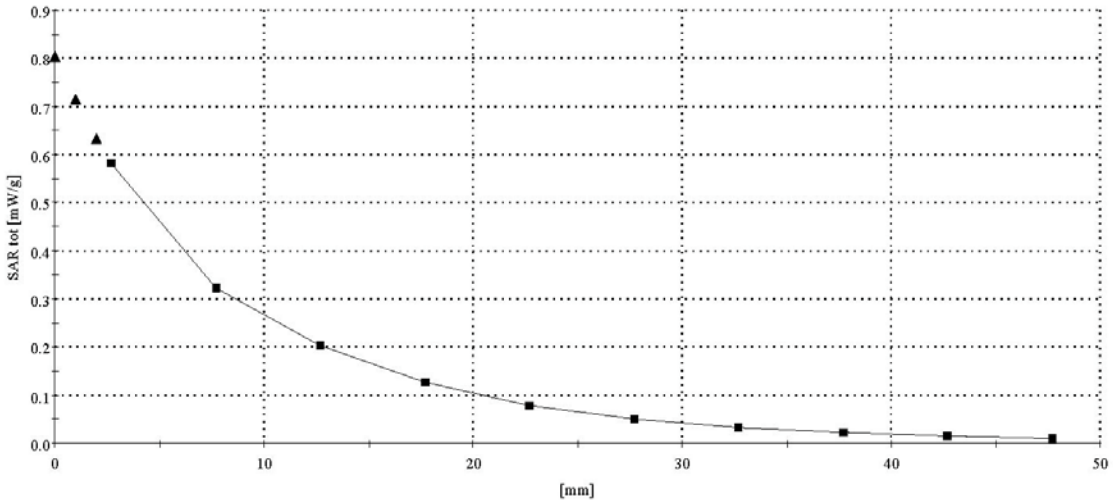
11/01/03

SE44

CDMA-1900 ch25 Right Tilt Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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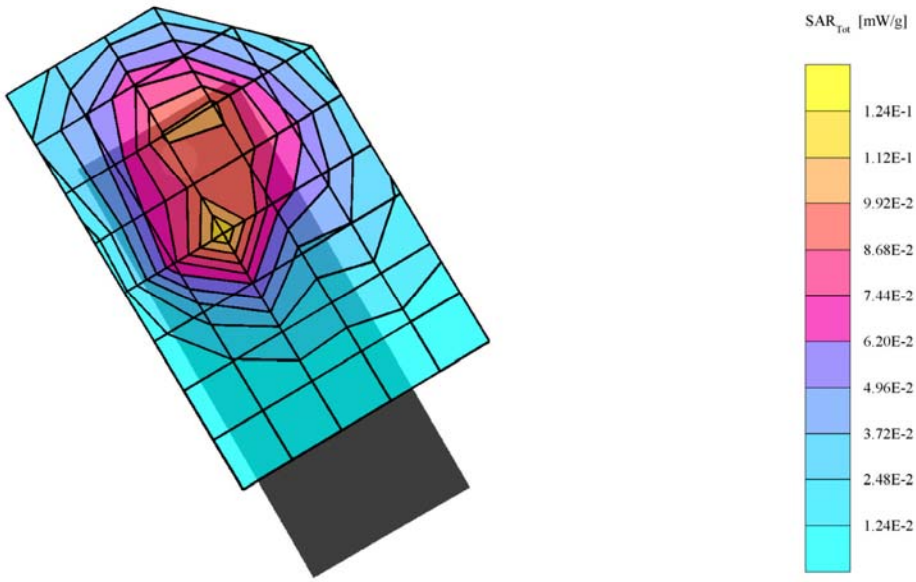
11/01/03

SE44

CDMA-1900 ch25 Right Tilt Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.118 mW/g, SAR (10g): 0.0674 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.02 dB



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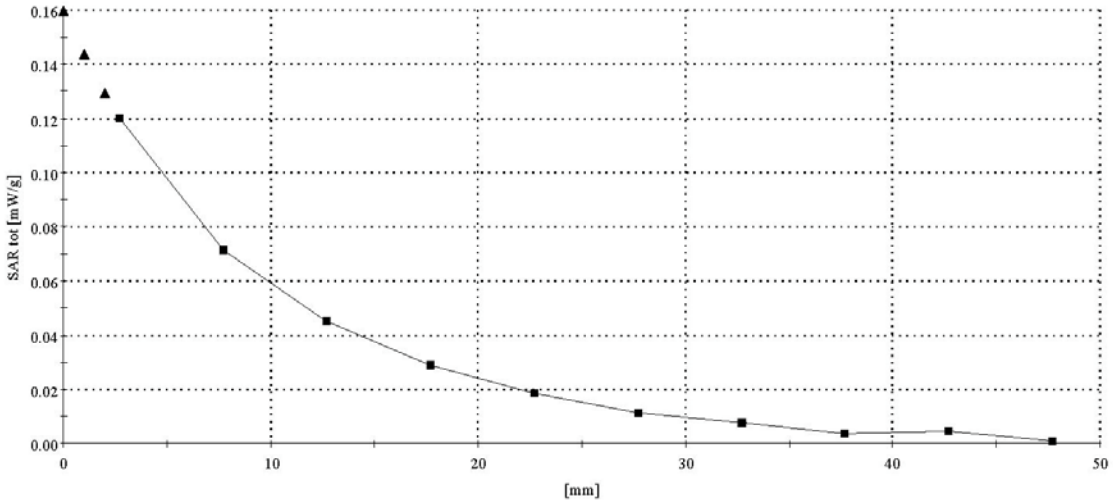
11/01/03

SE44

CDMA-1900 ch25 Right Tilt Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.43 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

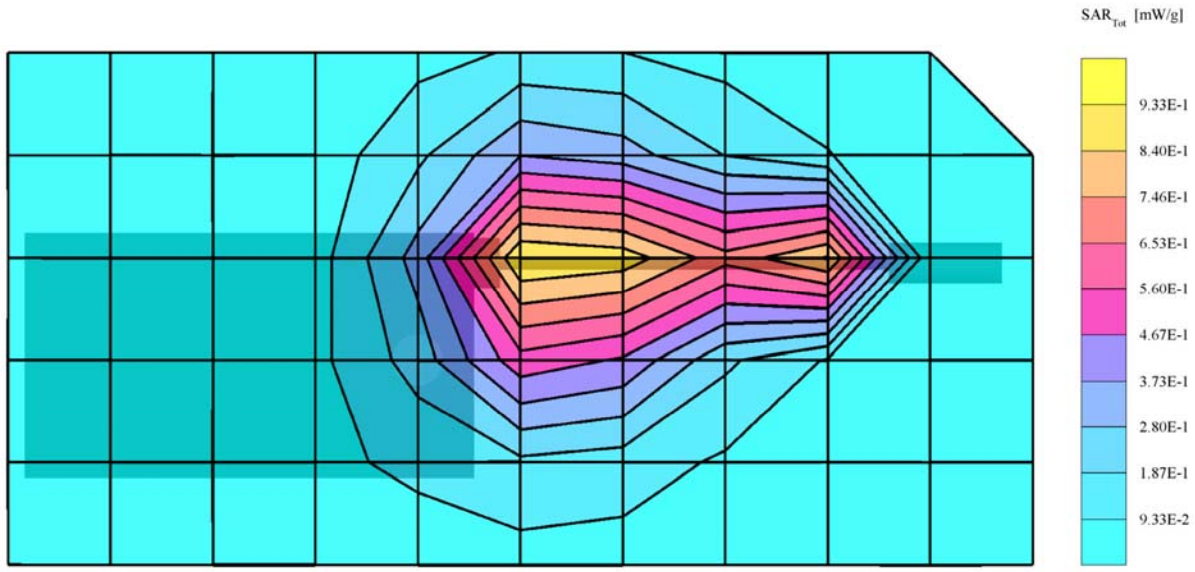


KWC

Section 2
SAR Distribution plots for Body Worn Configuration

11/03/03

SE44
CDMA-1900 ch25 Flat with 25mm Air Gap Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.48 mho/m ε_r = 53.3 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.991 mW/g, SAR (10g): 0.580 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.07 dB

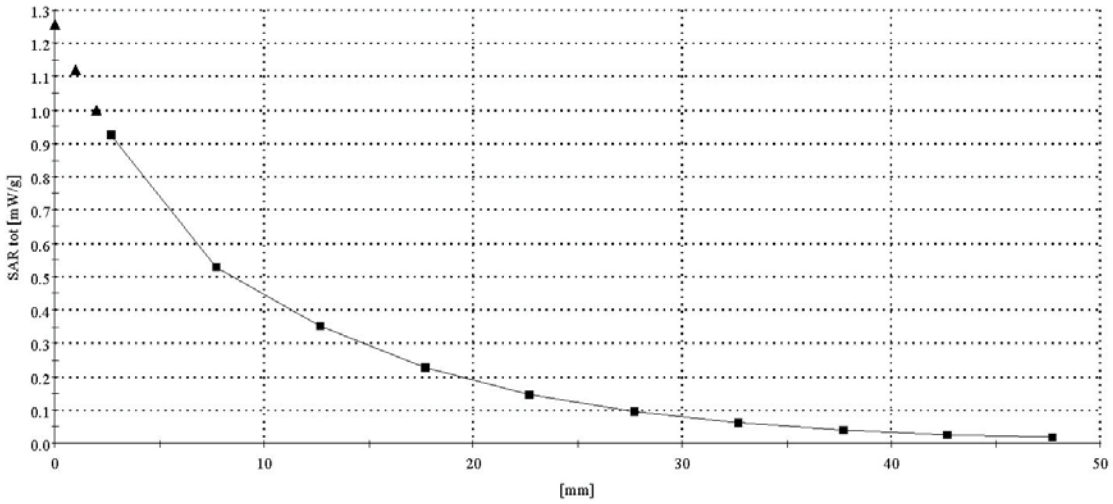


KWC

11/03/03

SE44

CDMA-1900 ch25 Flat with 25mm Air Gap Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.48 mho/m ε_r = 53.3 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

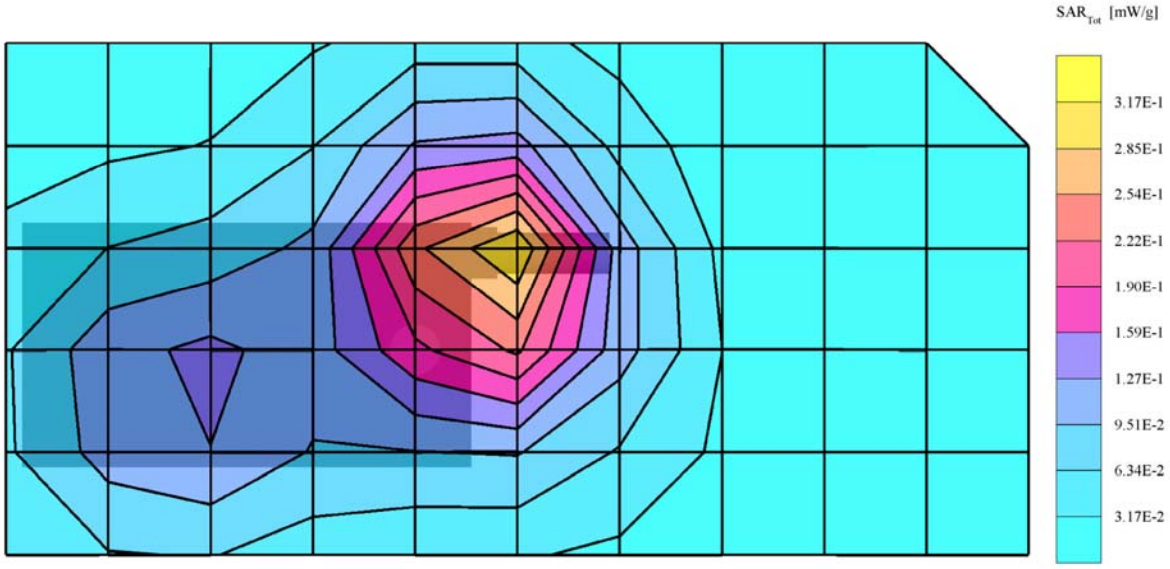


KWC

11/03/03

SE44

CDMA-1900 ch25 Flat with 25mm Air Gap Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.48 mho/m ε_r = 53.3 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.321 mW/g, SAR (10g): 0.191 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.08 dB

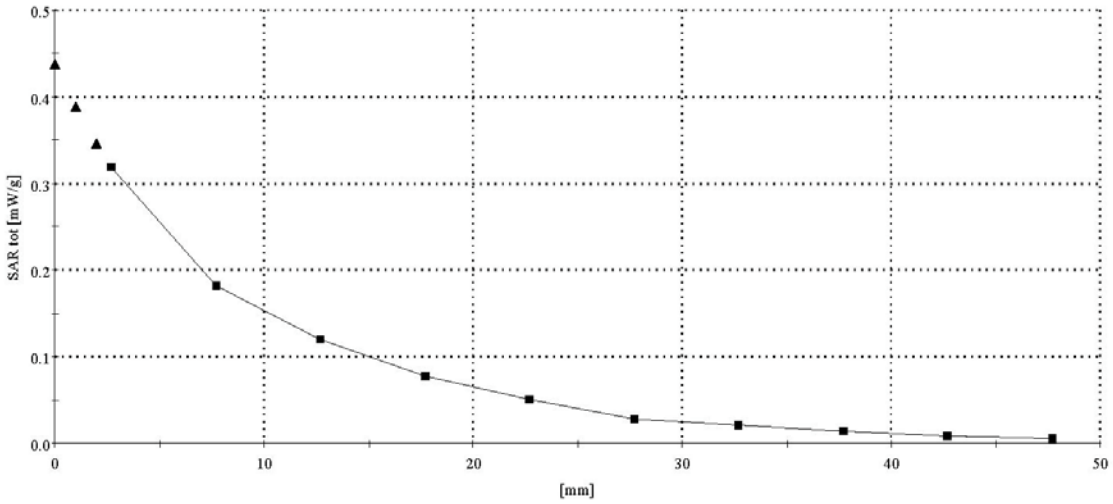


KWC

11/03/03

SE44

CDMA-1900 ch25 Flat with 25mm Air Gap Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.48 mho/m ε_r = 53.3 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

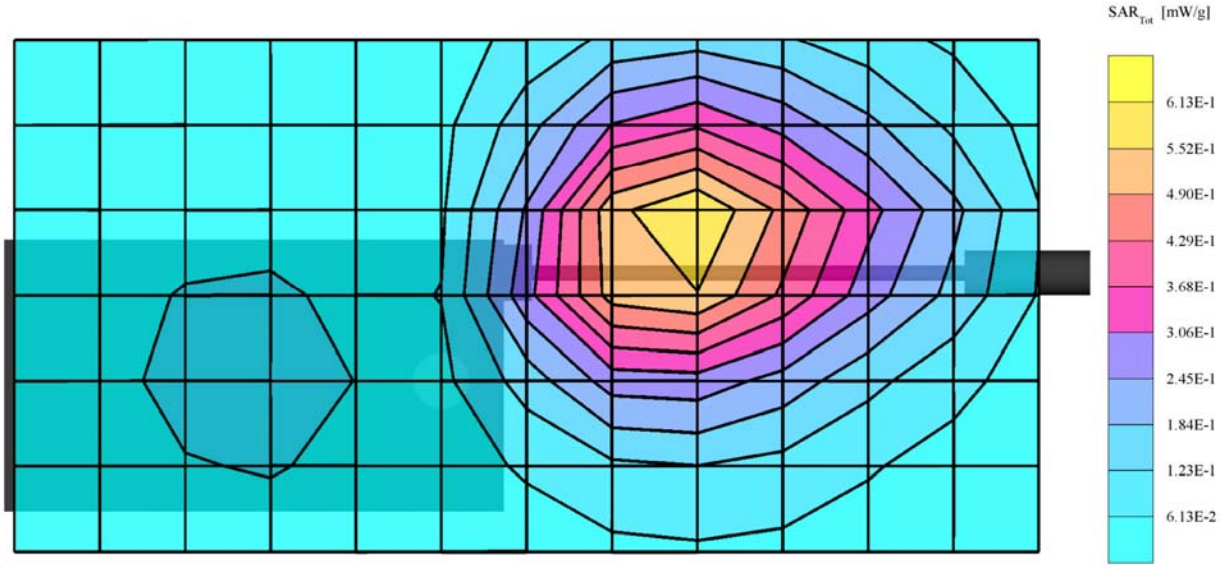


KWC

11/01/03

SE44

CDMA-1900 ch25 Flat with Kyocera Belt Clip Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.609 mW/g, SAR (10g): 0.371 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.03 dB

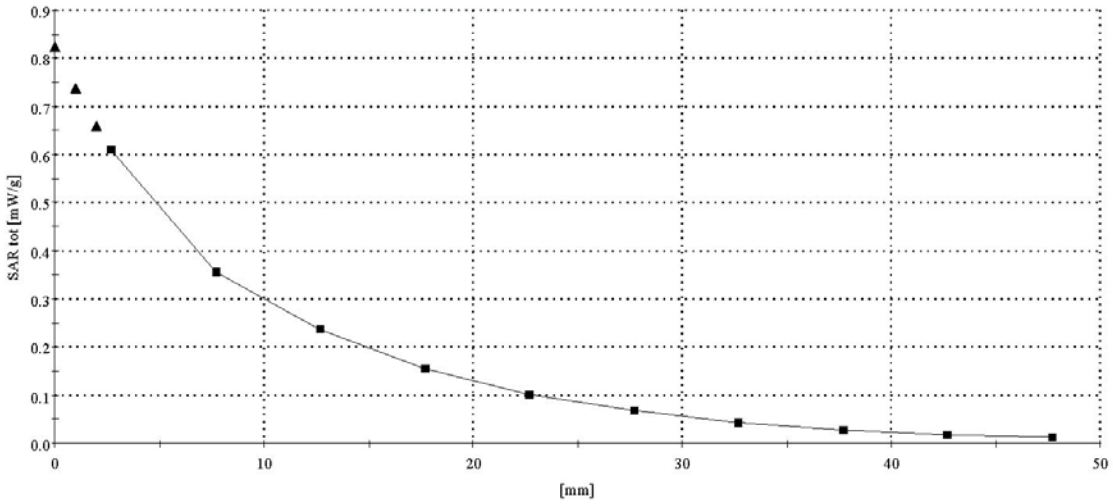


KWC

11/01/03

SE44

CDMA-1900 ch25 Flat with Kyocera Belt Clip Antenna Extended
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

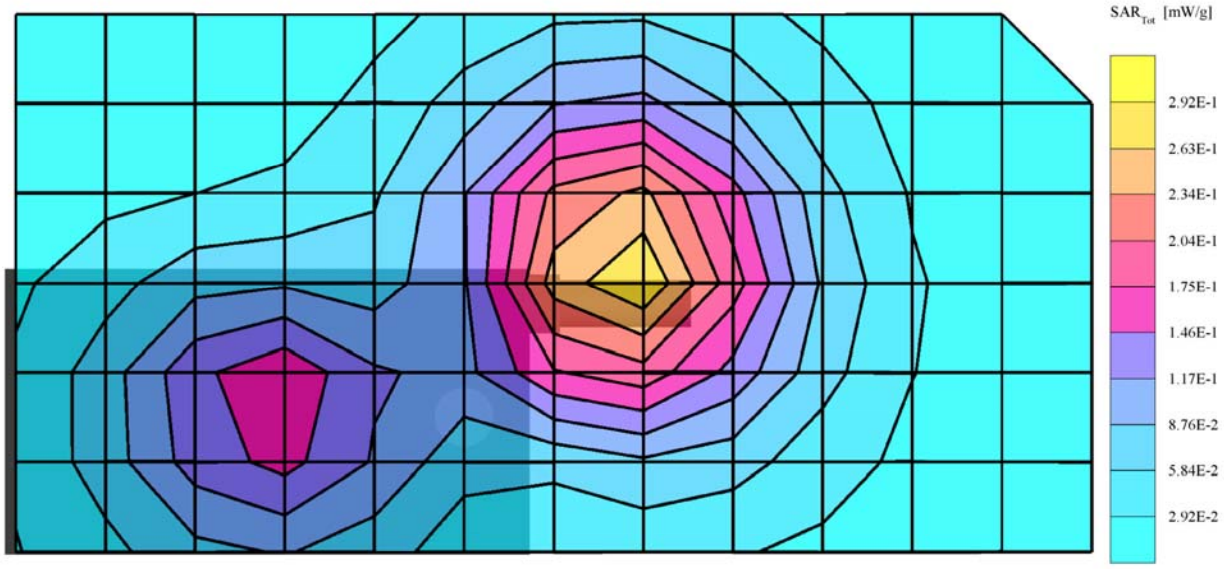


KWC

11/01/03

SE44

CDMA-1900 ch25 Flat with Kyocera Belt Clip Antenna Retracted
Liquid Temp: 22C+/-1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1664; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.285 mW/g, SAR (10g): 0.173 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.02 dB

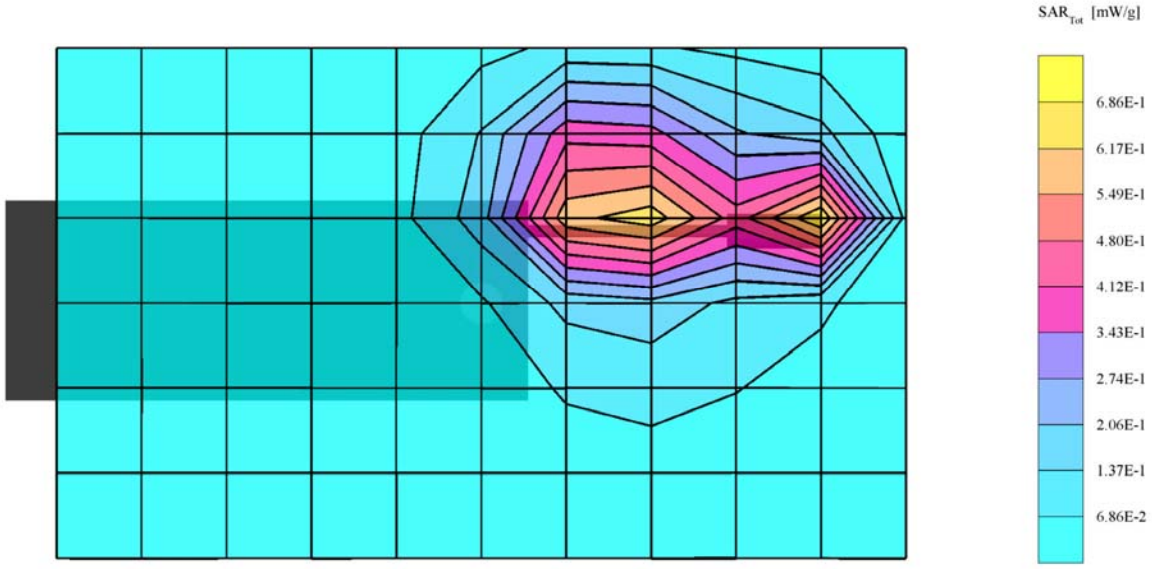


KWC

12/11/03

SE44

CDMA-1900 ch600 Flat with 25mm Air Gap, Antenna Extended
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.753 mW/g, SAR (10g): 0.428 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.15 dB



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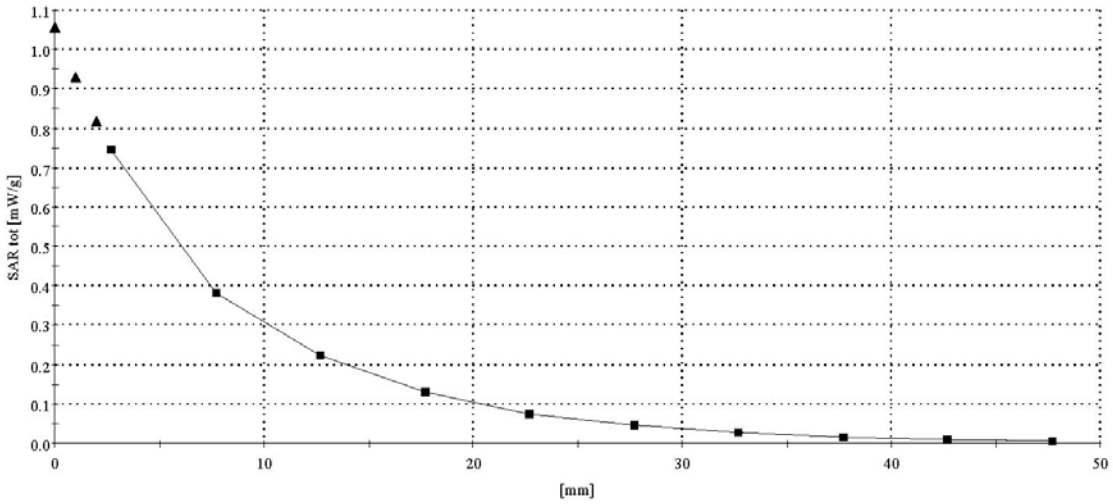
12/11/03

SE44

CDMA-1900 ch600 Flat with 25mm Air Gap, Antenna Extended
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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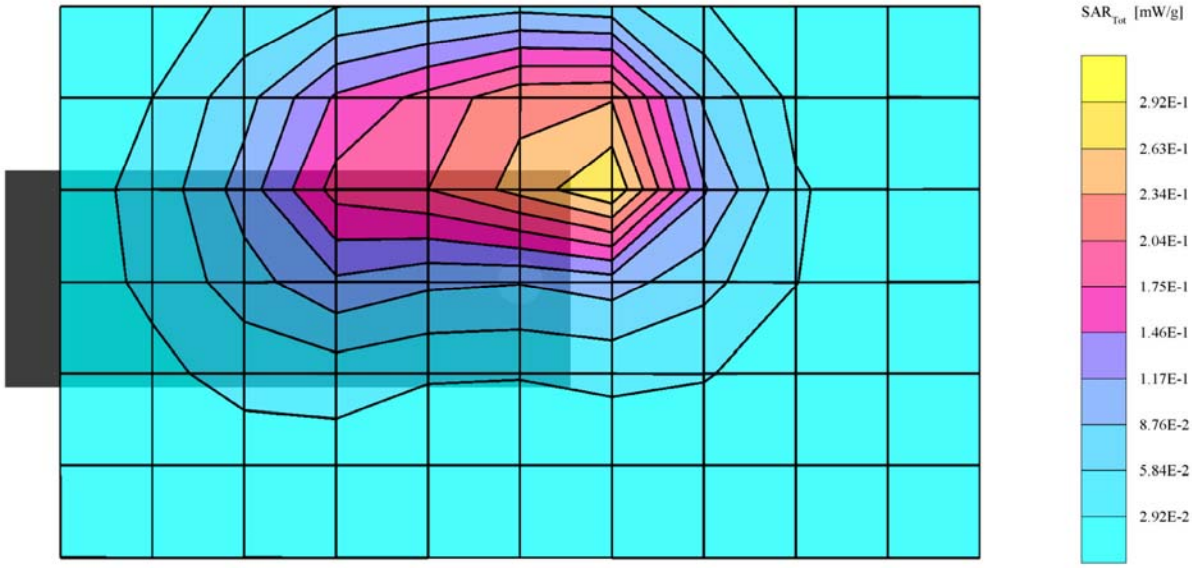
12/11/03

SE44

CDMA-1900 ch600 Flat with 25mm Air Gap, Antenna Retracted
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.306 mW/g, SAR (10g): 0.185 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.04 dB



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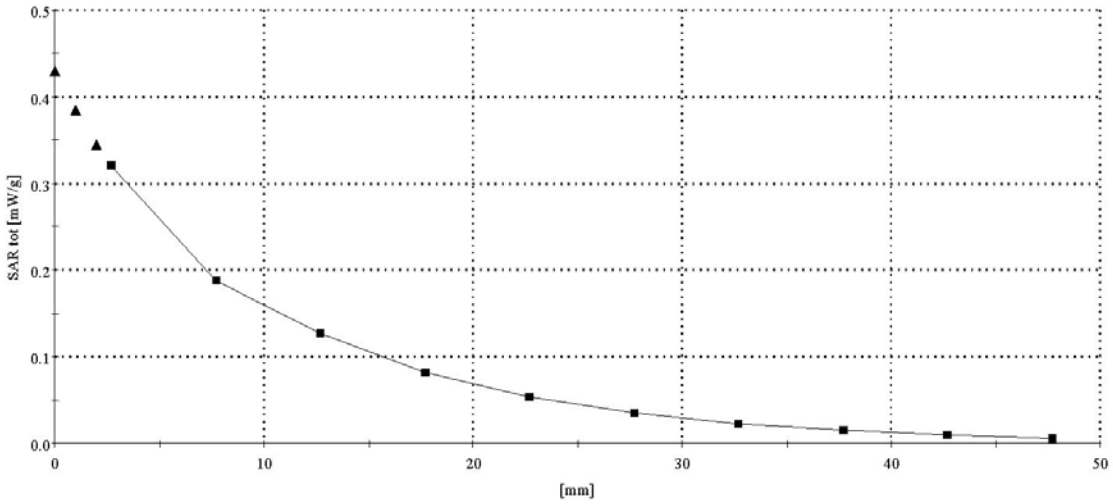
12/11/03

SE44

CDMA-1900 ch600 Flat with 25mm Air Gap, Antenna Retracted
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

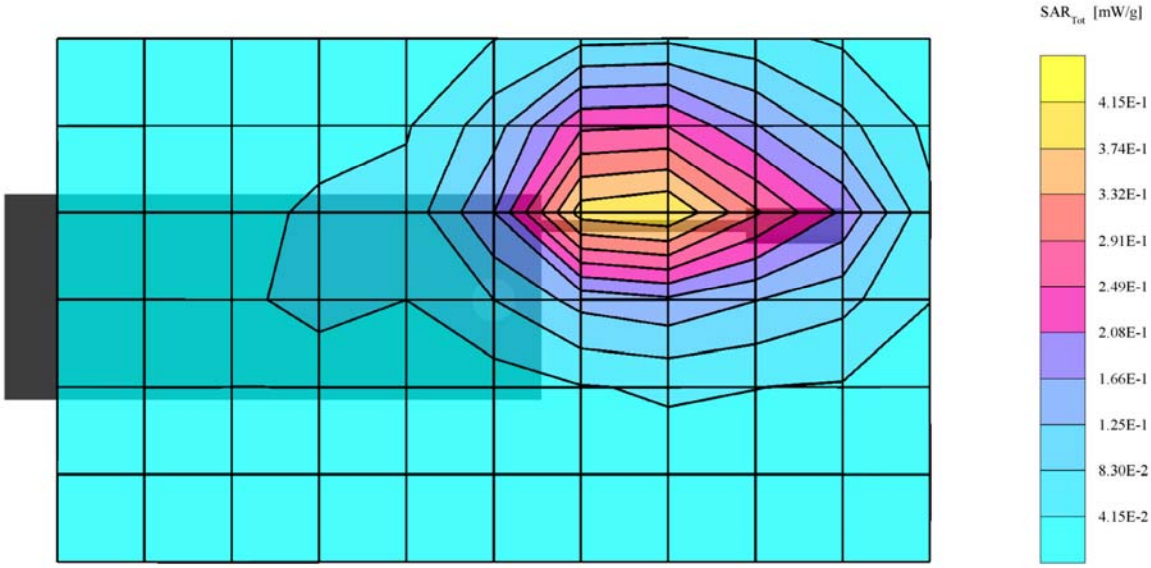


Kyocera Wireless Corp.

12/11/03

SE44

CDMA-1900 ch600 Flat with Kyocera Belt Clip, Antenna Extended
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.425 mW/g, SAR (10g): 0.258 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.12 dB



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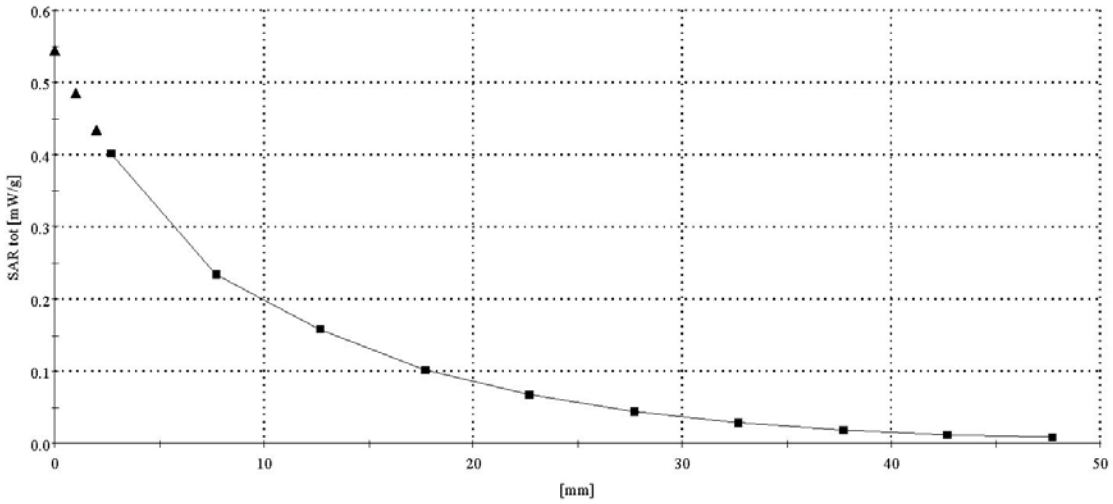
12/11/03

SE44

CDMA-1900 ch600 Flat with Kyocera Belt Clip, Antenna Extended
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

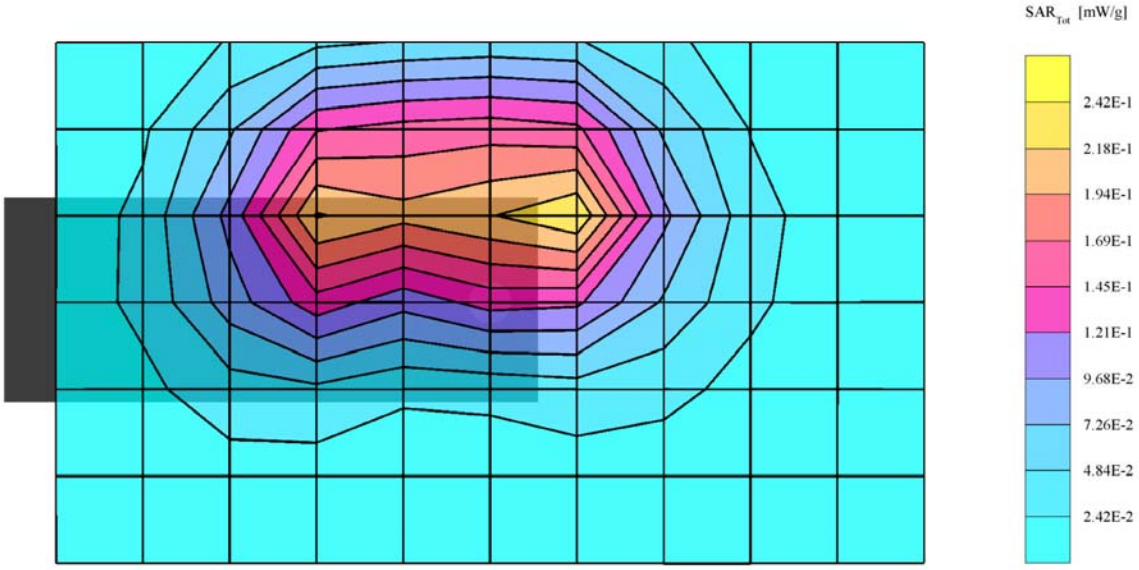


Kyocera Wireless Corp.

12/11/03

SE44

CDMA-1900 ch600 Flat with Kyocera Belt Clip, Antenna Retracted
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.242 mW/g, SAR (10g): 0.148 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB



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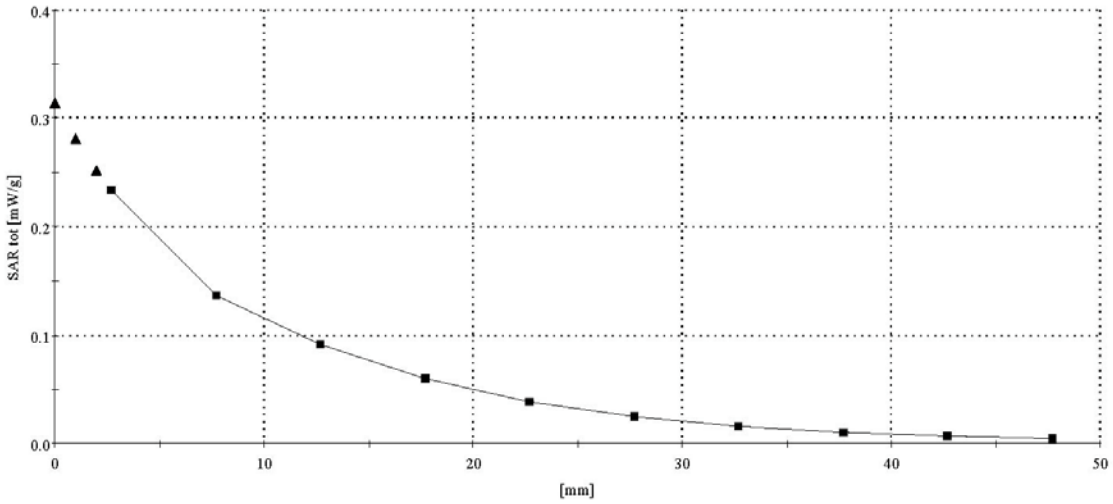
12/11/03

SE44

CDMA-1900 ch600 Flat with Kyocera Belt Clip, Antenna Retracted
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Section; Position: ; Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.90,4.90,4.90); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.49 mho/m ε_r = 53.2 ρ = 1.00 g/cm^3
: , ()
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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