APPENDIX B-2:

SAR Distribution Plots

For

Model KE434

SAR Distribution plots for Body Worn Configuration

06/24/03

KE4X4

AMPS ch383 Flat with Belt Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.697 mW/g, SAR (10g): 0.487 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.01 dB

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KE4X4

AMPS ch383 Flat with Belt Clip

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

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

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3

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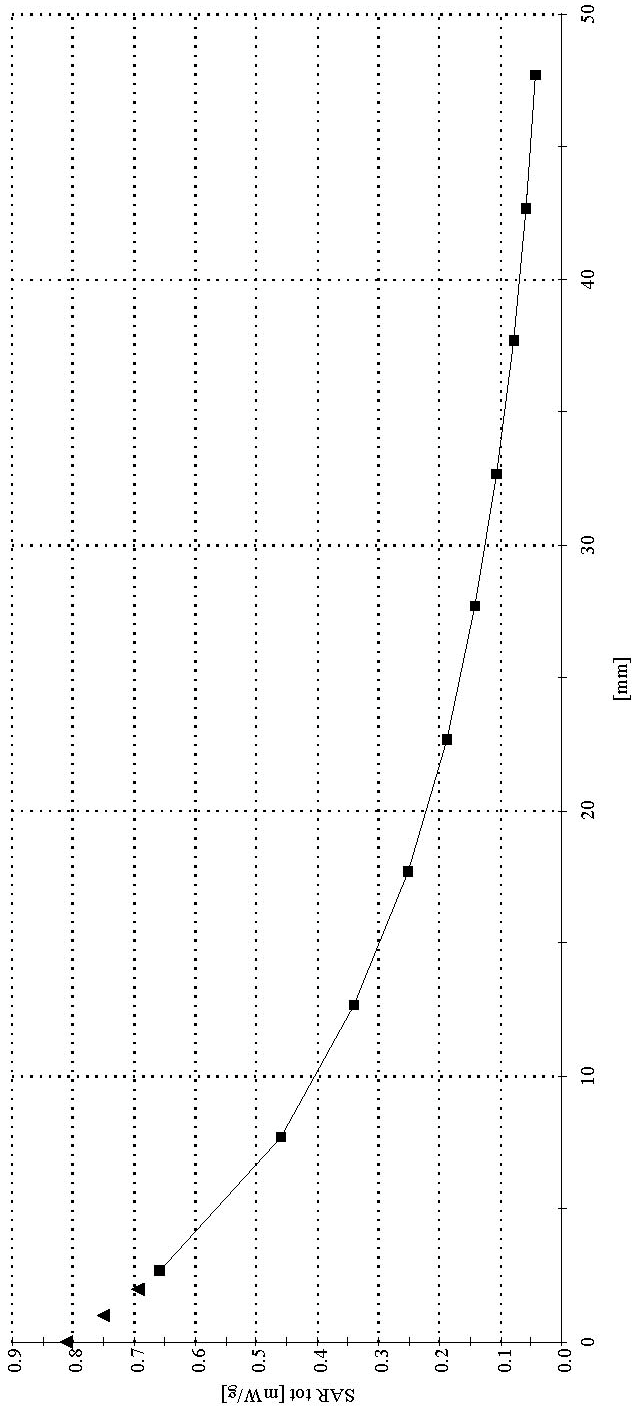
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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KE4X4
AMPS ch383 Flat with Leather Case
Liquid Temp = 22C+\- 1deg C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.545 mW/g, SAR (10g): 0.381 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.20 dB

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KE4X4

AMPS ch383 Flat with Leather Case

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

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

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3

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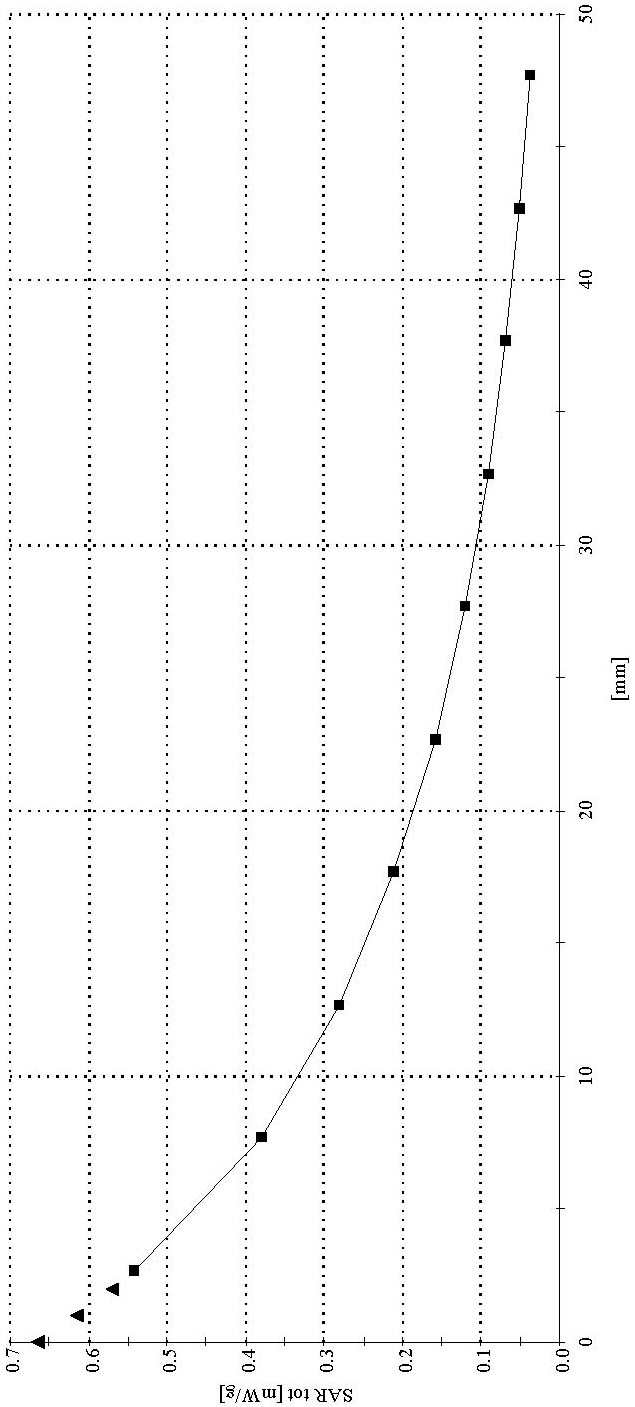
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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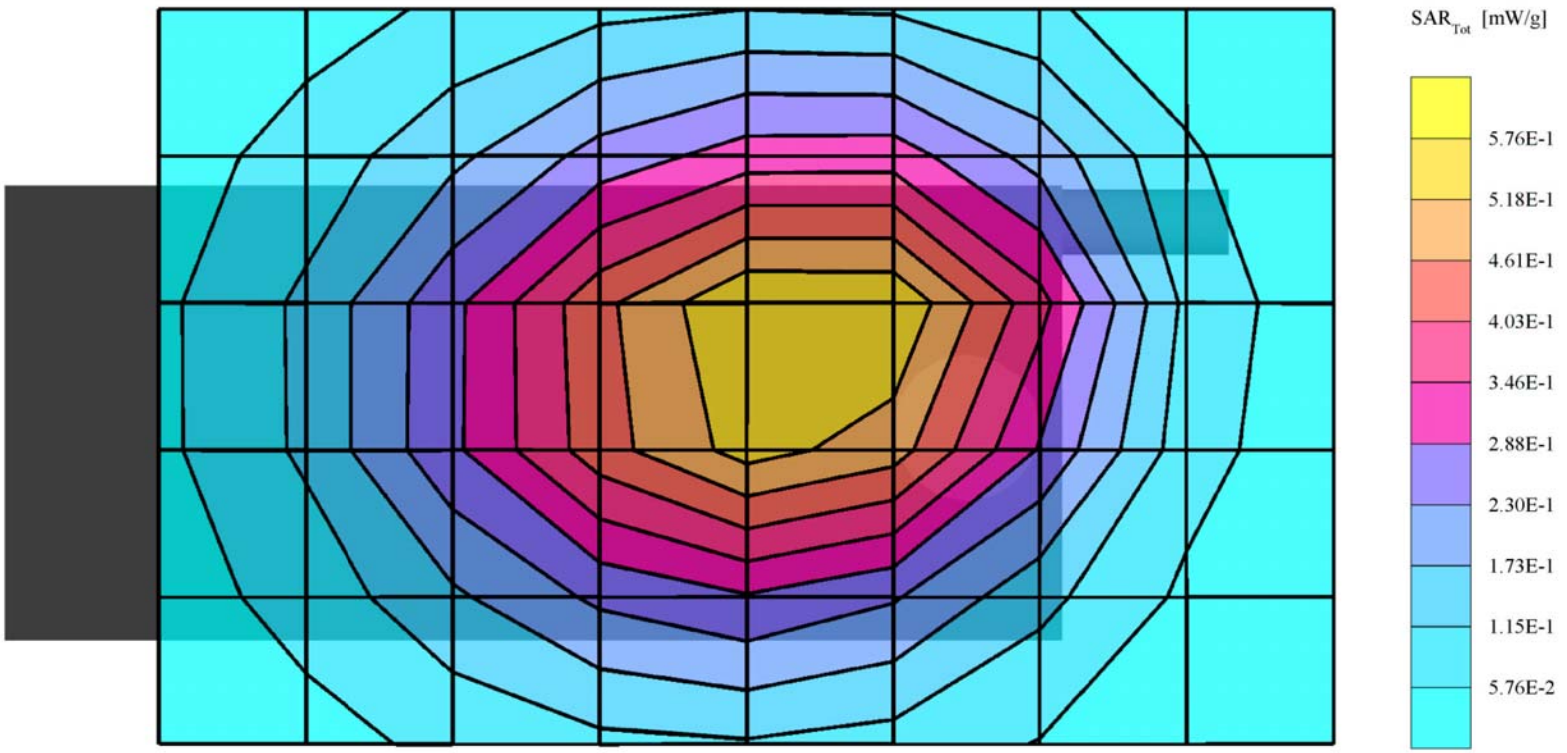
KE4X4

AMPS ch383 Flat with 22.5mm Air Separation
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.583 mW/g, SAR (10g): 0.410 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.00 dB



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KE4X4

AMPS ch383 Flat with 22.5mm Air Separation

Liquid Temp = 22CH\- 1deg.C

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

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3

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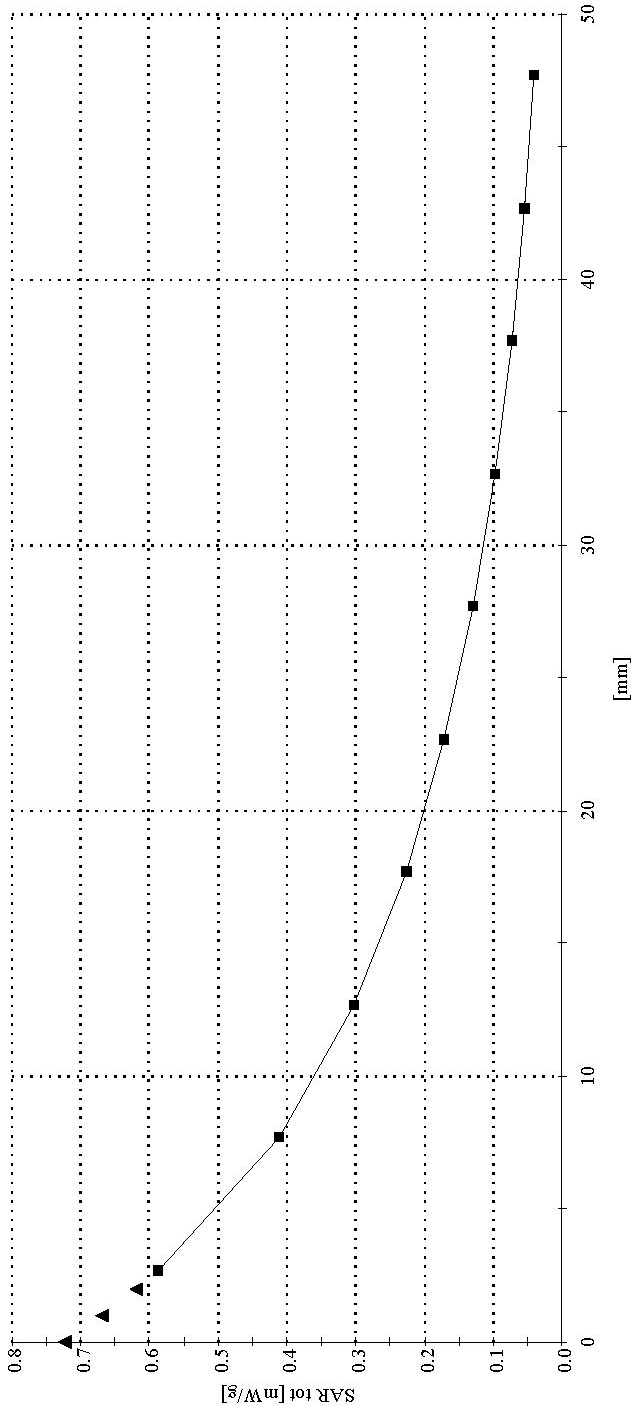
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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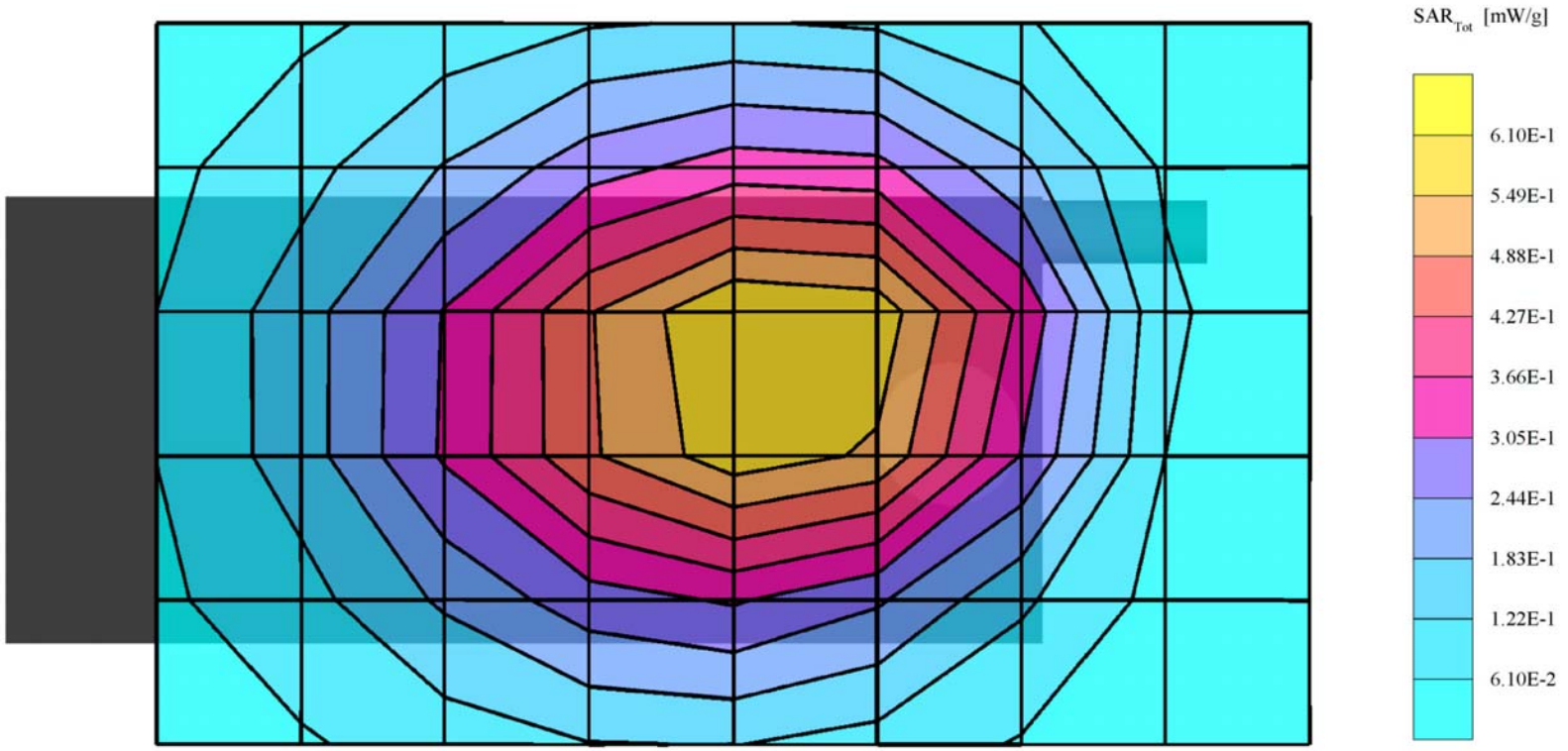
KE4X4

AMPS ch383 Flat with Belt Clip and Backpack Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: σ = 0.93 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.636 mW/g, SAR (10g): 0.443 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.01 dB



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KE4X4
CDMA-800 ch383 Flat with Belt Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.568 mW/g, SAR (10g): 0.396 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.08 dB

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KE4X4

CDMA-800 ch383 Flat with Belt Clip

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

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

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3

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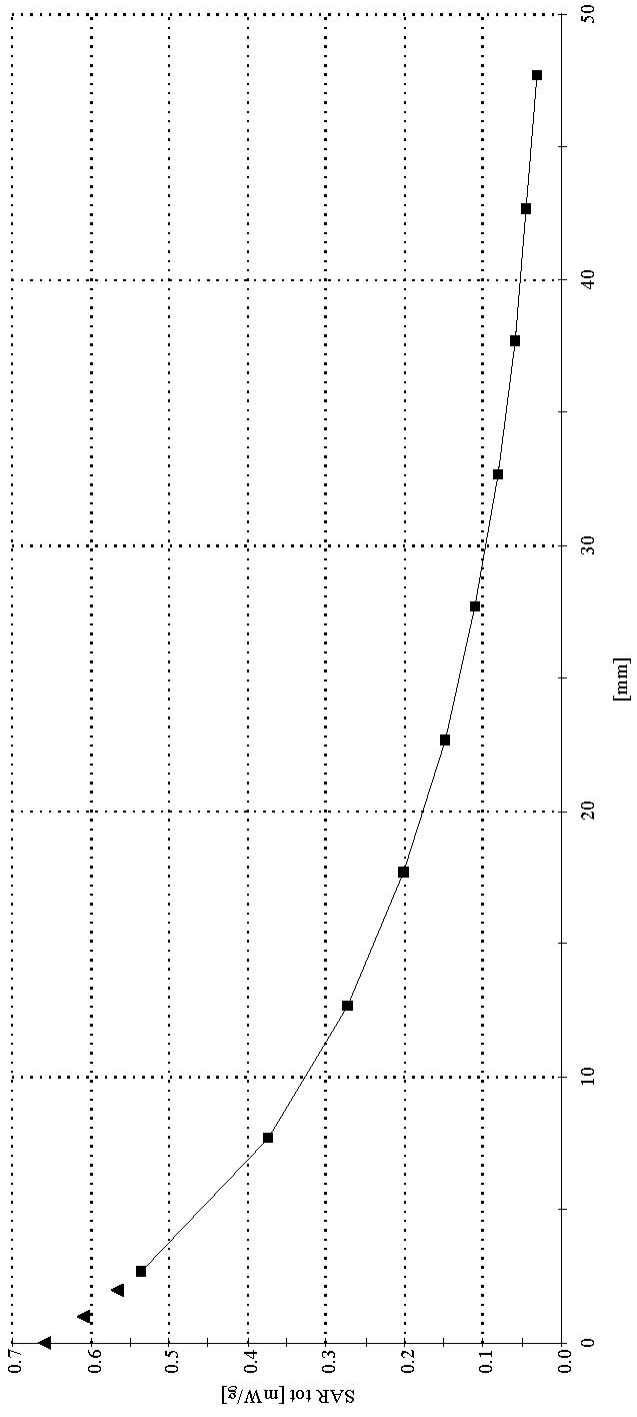
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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KE4X4
CDMA-800 ch383 Flat with Leather Case
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: σ = 0.93 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.530 mW/g, SAR (10g): 0.370 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.03 dB

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KE4X4

CDMA-800 ch383 Flat with Leather Case

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

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

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3

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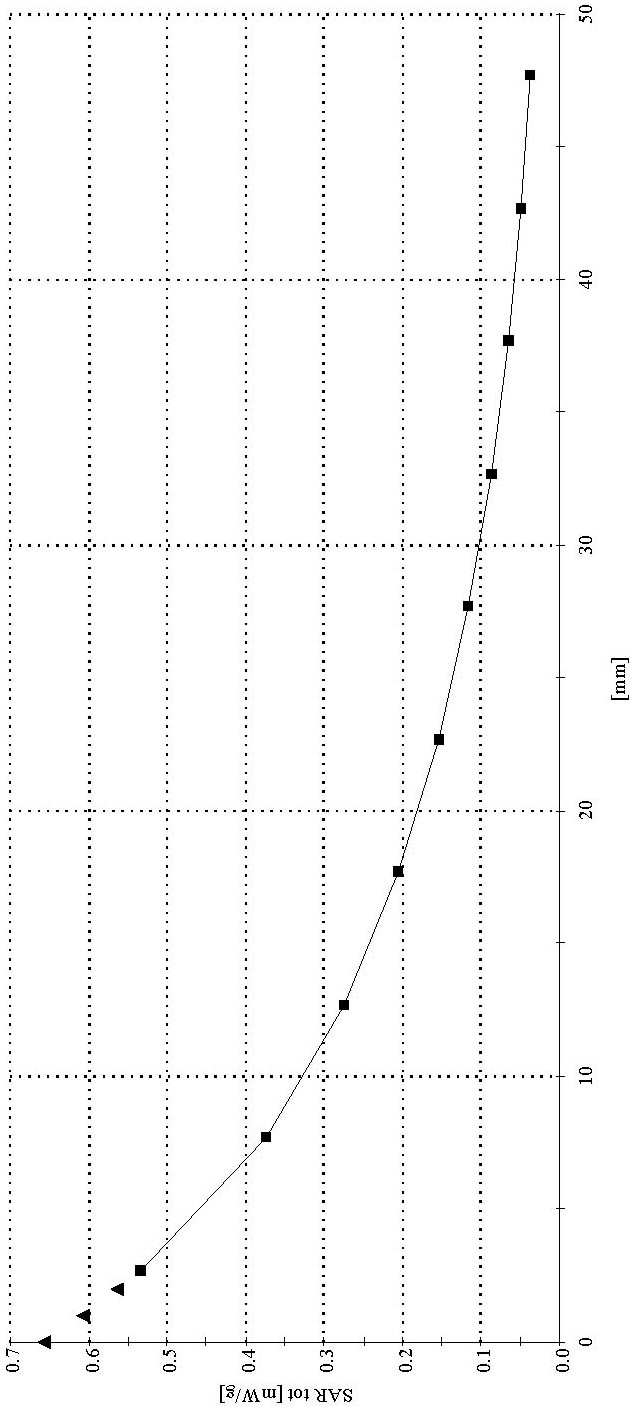
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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KE4X4
CDMA-800 ch383 Flat with 22.5mm Air Separation
Liquid Temp = 22C+\- 1deg C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 0.546 mW/g, SAR (10g): 0.384 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.10 dB

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KE4X4

CDMA-800 ch383 Flat with 22.5mm Air Separation

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

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

Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3

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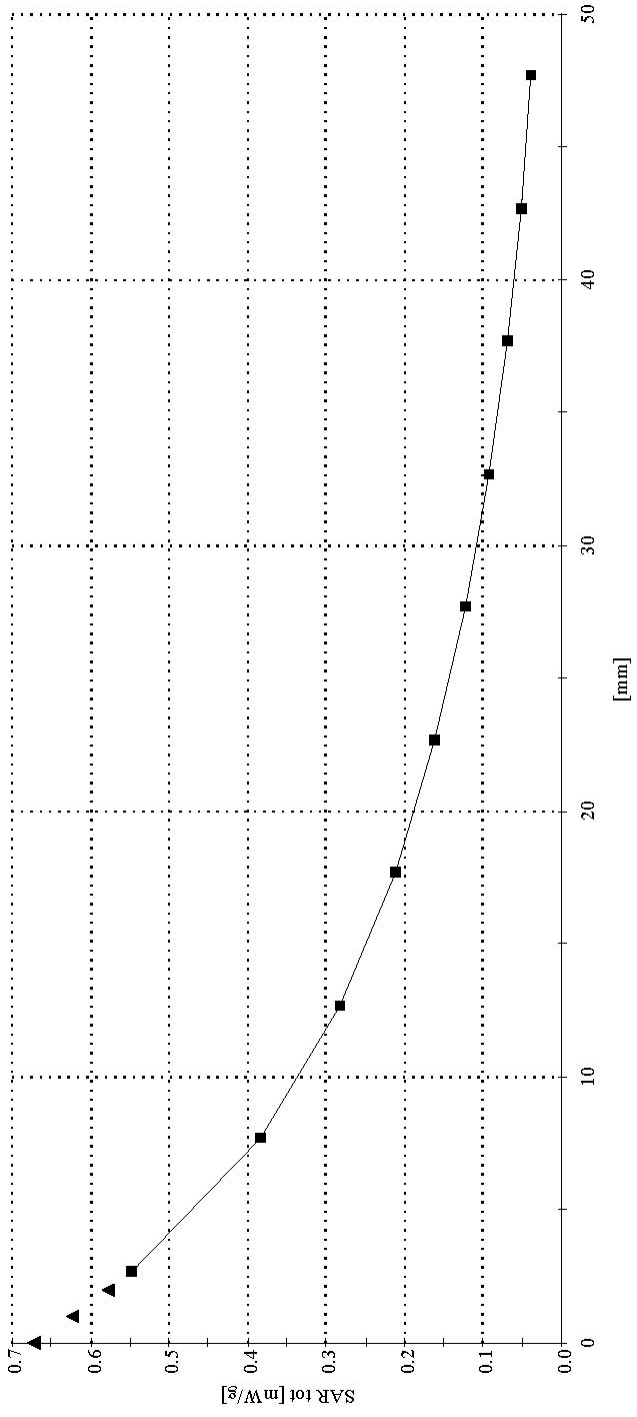
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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KE4X4
CDMA-800 ch383 Flat with Belt Clip and Backpack Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.30,6.30,6.30); Crest factor: 1.0; 835 MHz Muscle: $\sigma = 0.93$ mho/m $\varepsilon_r = 55.2$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.595 mW/g, SAR (10g): 0.415 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.06 dB

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KE4X4
CDMA-1900 ch25 FLAT with Belt Clip
Liquid Temp = 22C+\- 1deg C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.57 mho/m ε_r = 52.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.557 mW/g, SAR (10g): 0.338 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.14 dB

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KE4X4

CDMA-1900 ch25 FLAT with Belt Clip

Liquid Temp = 22CH\- 1deg.C

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

Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: $\sigma = 1.57$ mho/m $\varepsilon_r = 52.6$ $\rho = 1.00$ g/cm^3

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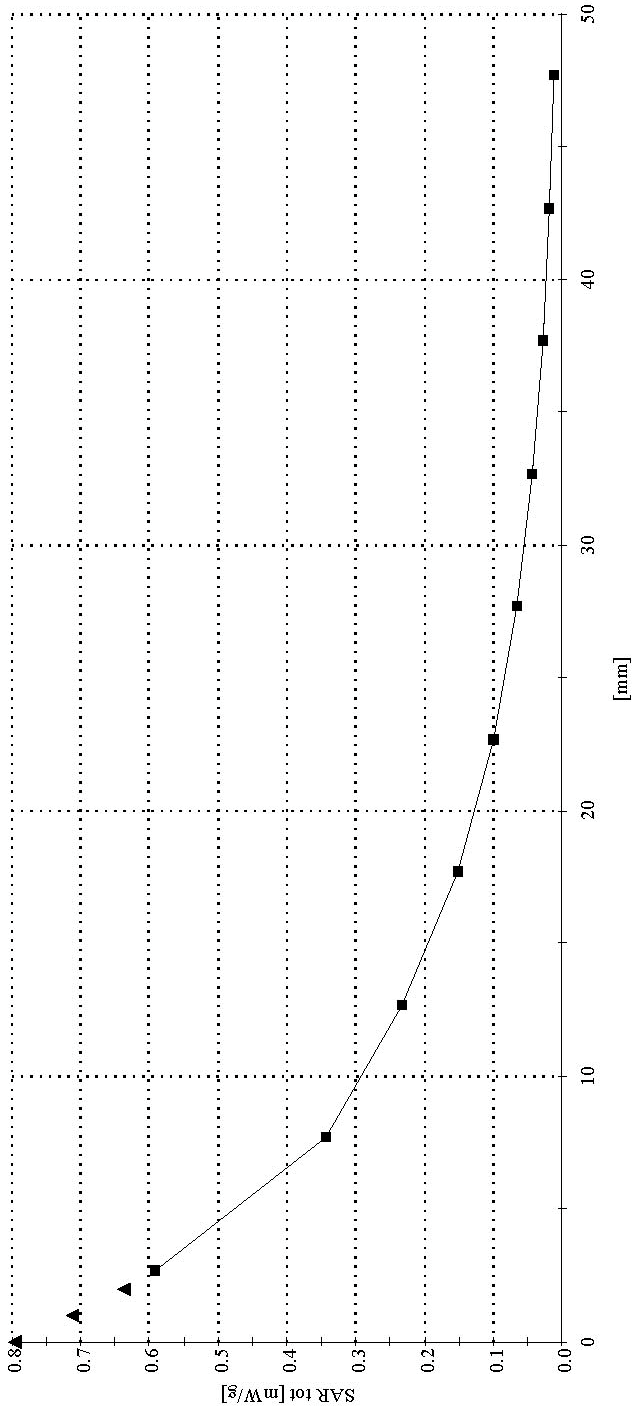
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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KE4X4

CDMA-1900 ch25 FLAT with Leather Case
Liquid Temp = 22C+\- 1deg C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.57 mho/m ε_r = 52.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.441 mW/g, SAR (10g): 0.271 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.07 dB

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KE4X4

CDMA-1900 ch25 FLAT with Leather Case

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

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

Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: $\sigma = 1.57$ mho/m $\varepsilon_r = 52.6$ $\rho = 1.00$ g/cm^3

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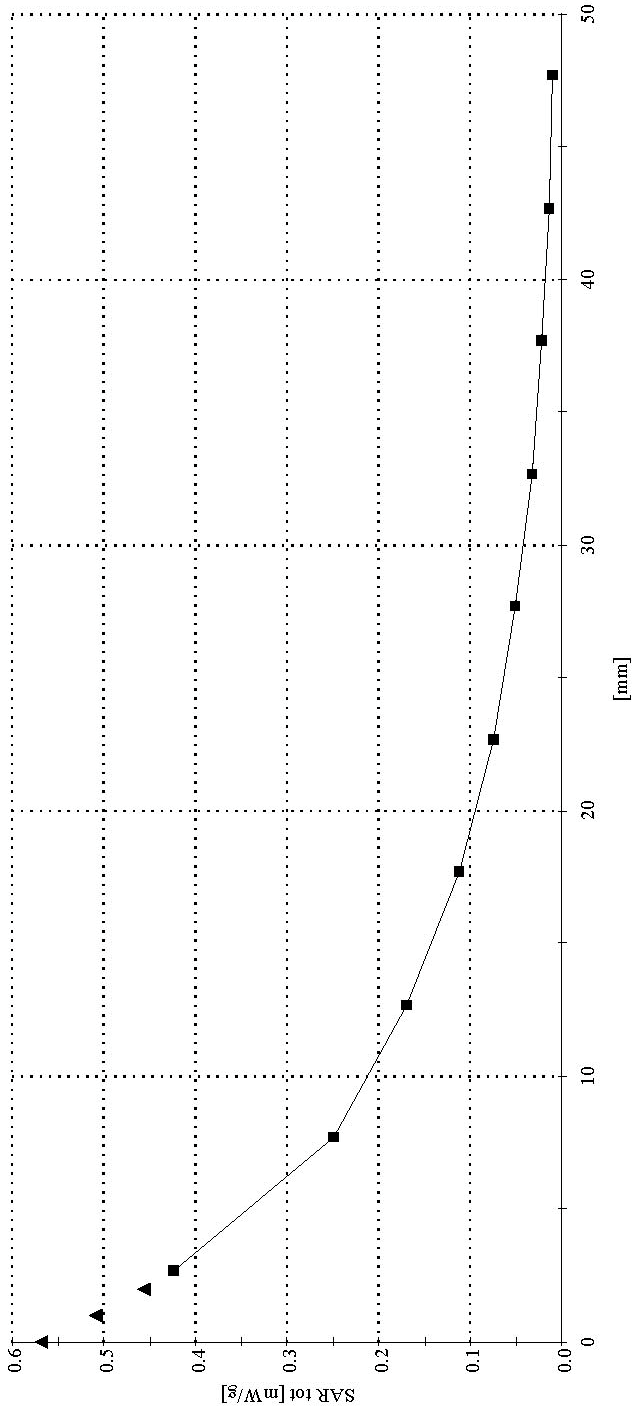
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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KE4X4

CDMA-1900 ch25 Flat with 22.5mm Air Separation
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: σ = 1.57 mho/m ε_r = 52.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.563 mW/g, SAR (10g): 0.347 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.14 dB

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KE4X4

CDMA-1900 ch25 Flat with 22.5mm Air Separation

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

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

Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: $\sigma = 1.57$ mho/m $\varepsilon_r = 52.6$ $\rho = 1.00$ g/cm^3

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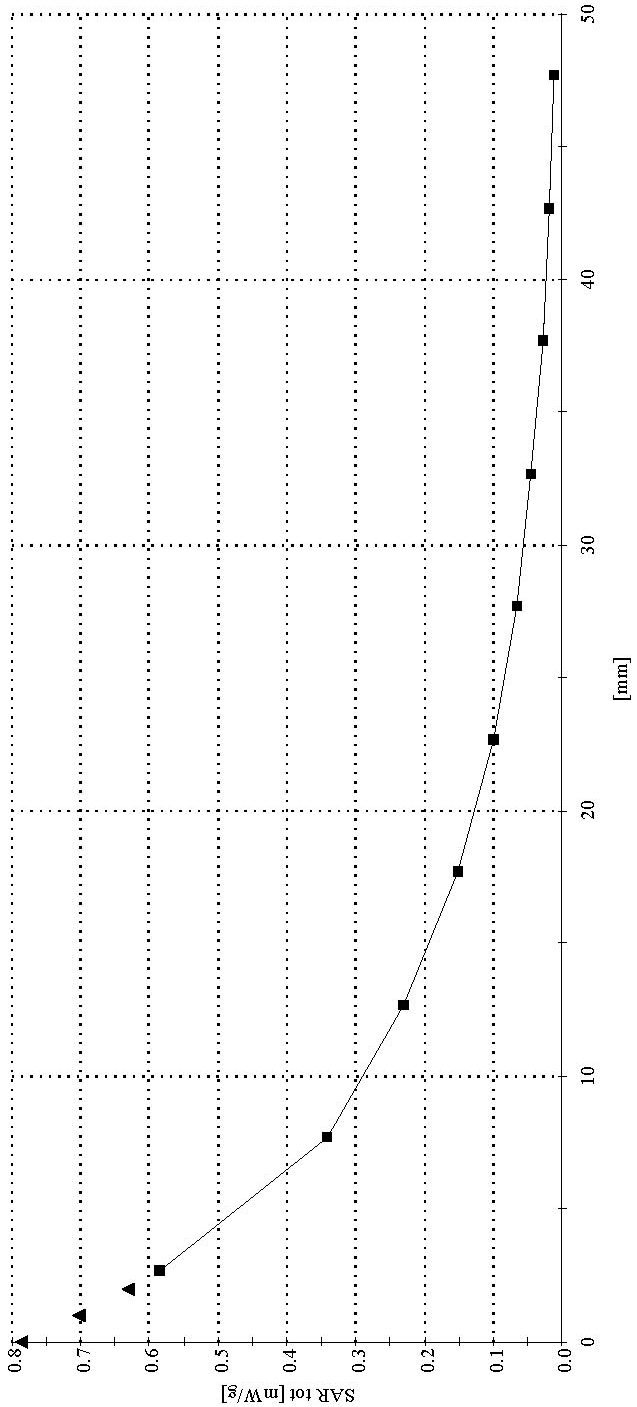
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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