

APPENDIX B:
SAR Distribution Plots
For
Model KE413

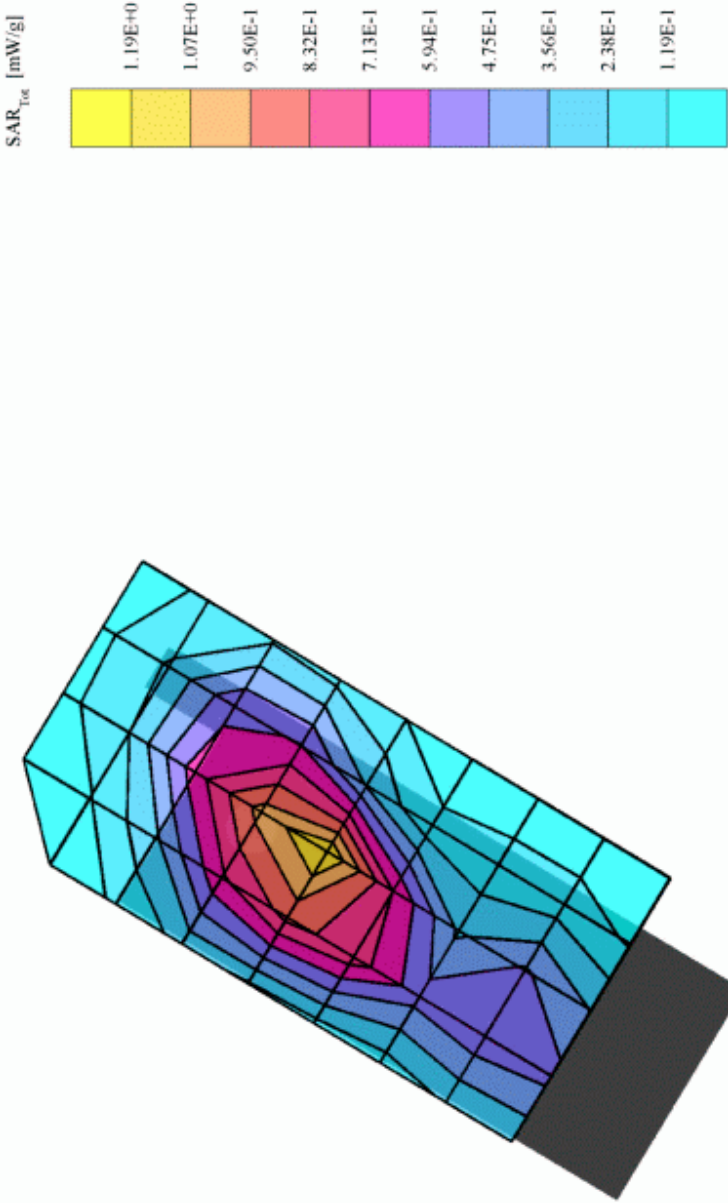
Section 1

SAR Distribution plots for Head Adjacent Use Configuration

04/09/03

CDMA-1900, Ch1175, Left Cheek

Liquid Temp = 22C +/- Deg. 1C
KE4X3
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: $\sigma = 1.43$ mho/m $\epsilon_r = 40.0$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 1.25 mW/g, SAR (10g): 0.669 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.09 dB

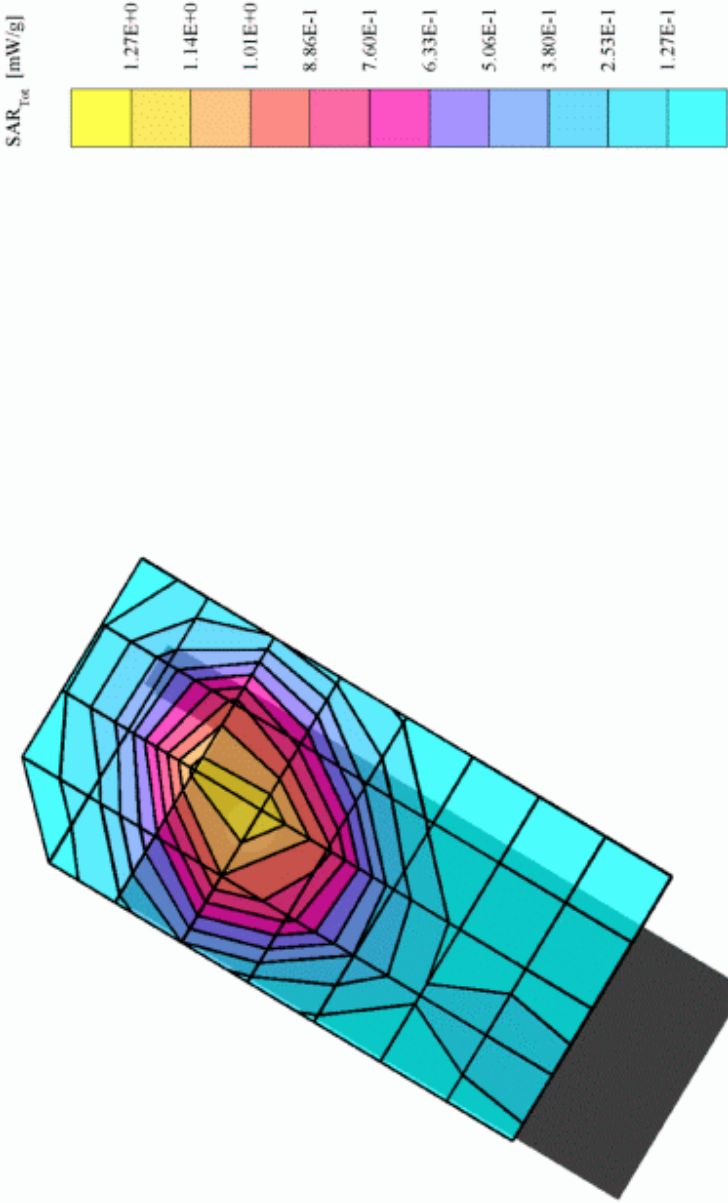


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CDMA-1900, Ch1175, Left Tilt

Liquid Temp = 22C +/- Deg. 1C
KE4X3
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: $\sigma = 1.43$ mho/m $\epsilon_r = 40.0$ $\rho = 1.00$ g/cm³
Cube 7x7x7; SAR (1g): 1.23 mW/g; SAR (10g): 0.730 mW/g * Max outside, (Worst-case extrapolation)
Course: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.08 dB

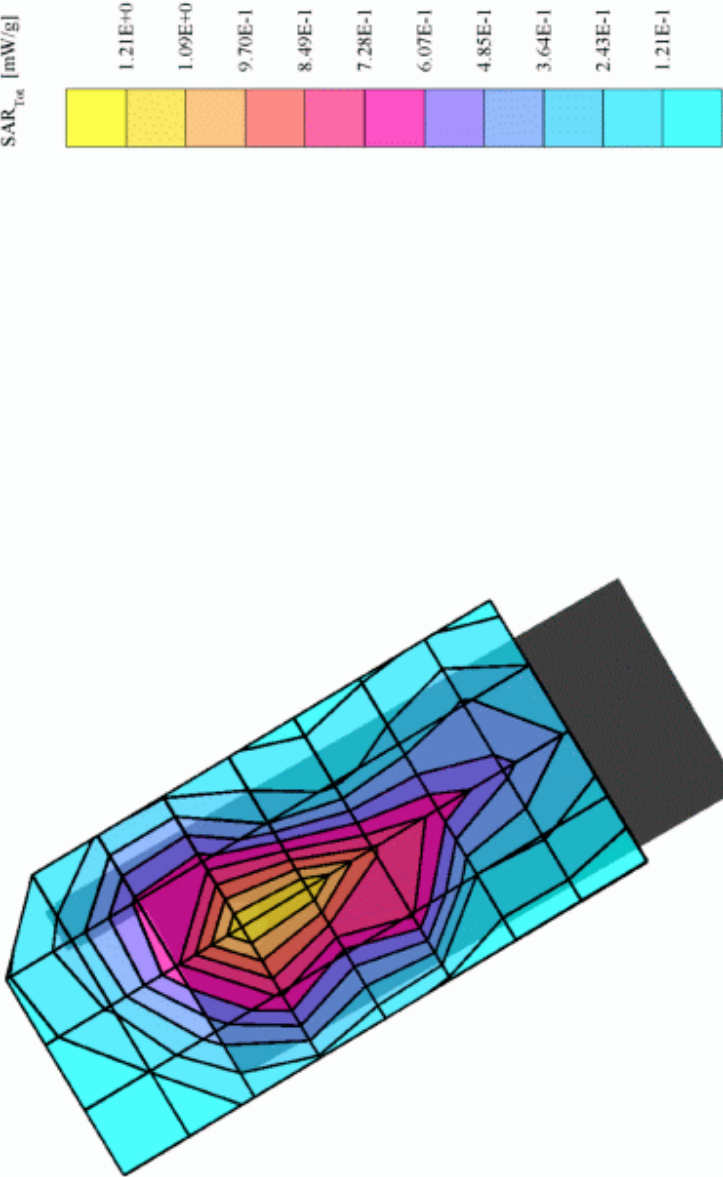


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CMDA-1900, Ch1175, Right Cheek

Liquid Temp = 22C +/- Deg. 1C
KE4X3
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: $\sigma = 1.43$ mho/m $\epsilon_r = 40.0$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 1.12 mW/g; SAR (10g): 0.645 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.11 dB

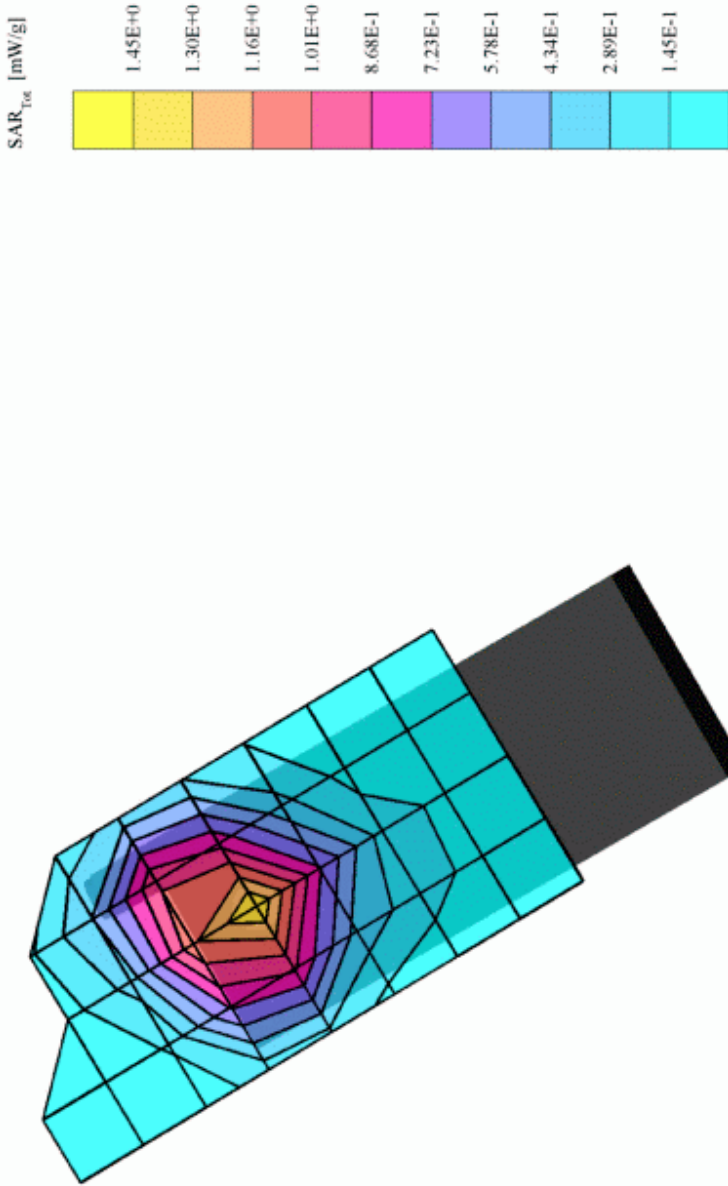


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04/09/03

CMDA-1900, Ch25, Right Tilt

Liquid Temp = 22C +/- Deg. 1C
KE4X3
SAM Phantom; Right Hand Section; Position: (79°, 300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: $\sigma = 1.43$ mho/m $\epsilon_r = 40.0$ $\rho = 1.00$ g/cm³
Cube 7x7x7; SAR (1g): 1.32 mW/g; SAR (10g): 0.759 mW/g, (Worst-case extrapolation)
Course: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.12 dB

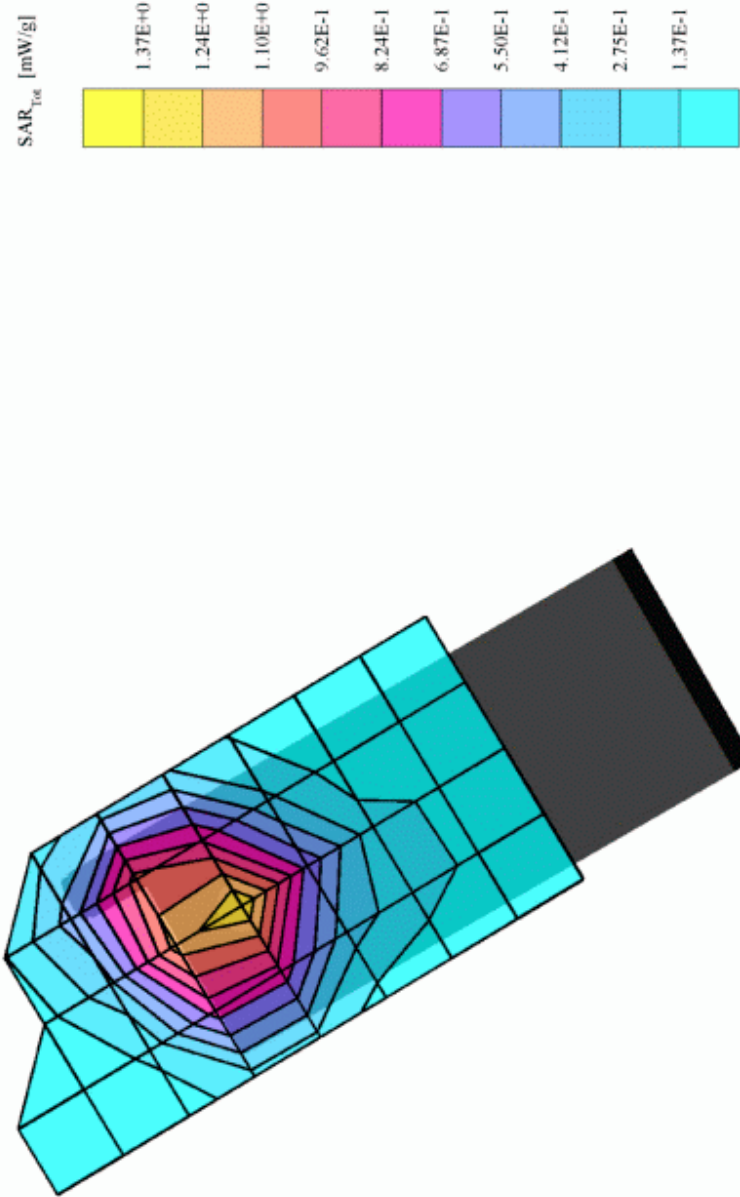


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CMDA-1900, Ch25, Right Tilt, Backpack Clip

Liquid Temp = 22C +/- Deg. 1C
KE4X3
SAM Phantom; Right Hand Section; Position: (79°, 300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: $\sigma = 1.43$ mho/m $\epsilon_r = 40.0$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 1.28 mW/g; SAR (10g): 0.742 mW/g, (Worst-case extrapolation)
Course: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.09 dB



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CDMA-1900 ch25 Right Tilt with Backpack Clip

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

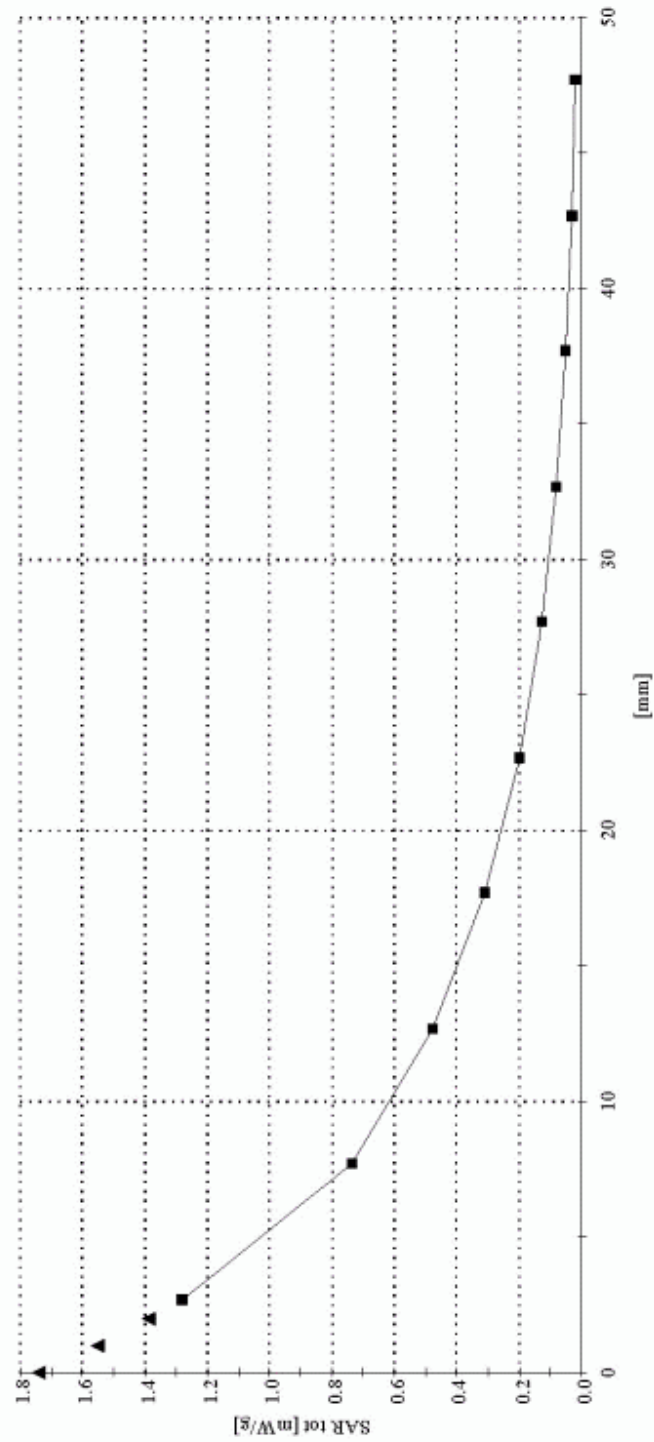
KE413

SAM Phantom; Section; Position; Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: $\sigma = 1.43$ mho/m $\epsilon_r = 40.0$ $\rho = 1.00$ g/cm³

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



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Section 2

SAR Distribution plots for Body Worn Configuration

04/09/03

CMDA-1900, Ch600, Flat, Belt Clip

KE4X3

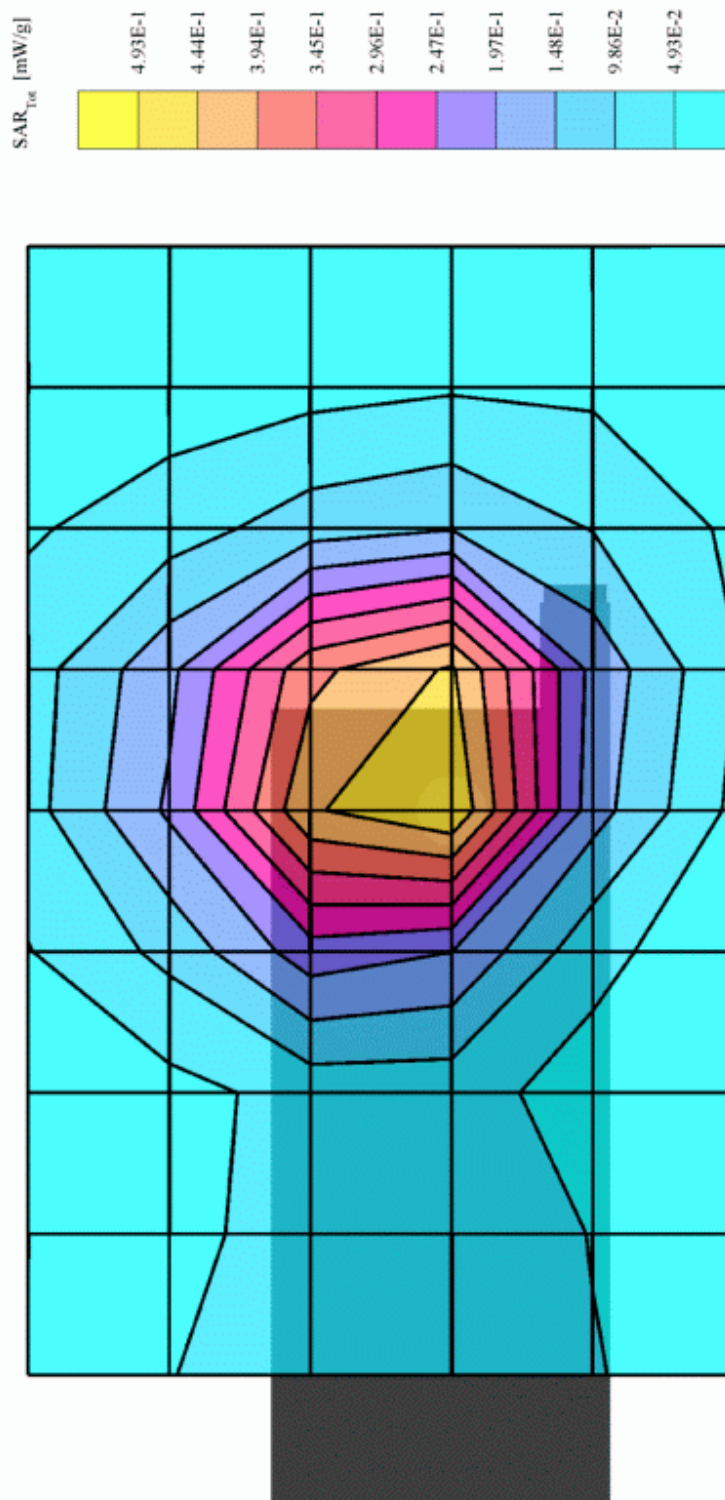
SAM Phantom; Flat Section; Position: (90°, 90°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle: $\sigma = 1.48$ mho/m $\epsilon_r = 53.2$ $\rho = 1.00$ g/cm³

Cube 7x7x7: SAR (1g): 0.544 mW/g; SAR (10g): 0.328 mW/g; (Worst-case extrapolation)

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

Powerdrift: -0.12 dB

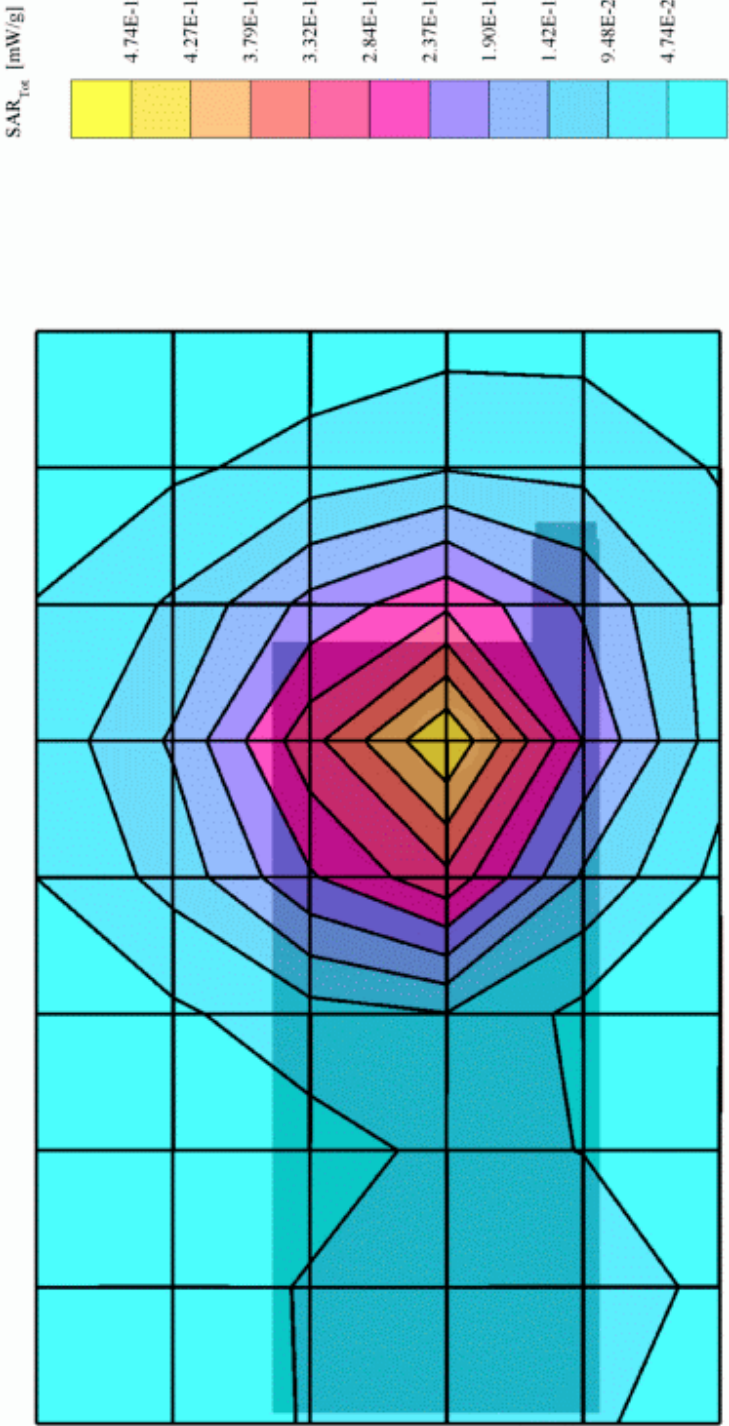


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CMDA-1900, Ch600, Flat, Leather Case

Liquid Temp = 22C +/- Deg. 1C
KE4X3
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: $\sigma = 1.48 \text{ mho/m}$, $\epsilon_r = 53.2$, $\rho = 1.00 \text{ g/cm}^3$
Cube 7x7x7; SAR (1g): 0.442 mW/g; SAR (10g): 0.267 mW/g; (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB

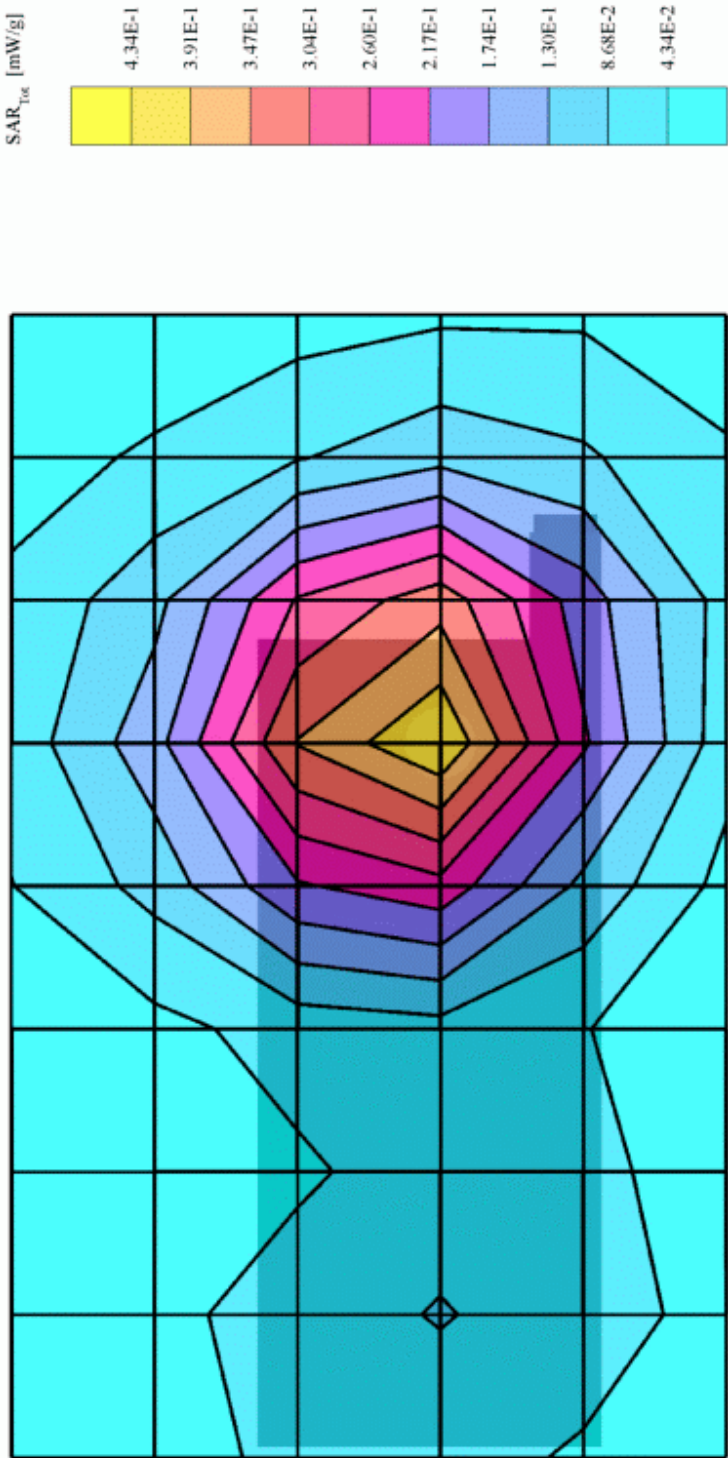


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CMDA-1900, Ch600, Flat, Air(22.5mm of spaces)

Liquid Temp = 22C +/- Deg. 1C
KE4X3
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: $\sigma = 1.48 \text{ mho/m}$, $\epsilon_r = 53.2$, $\rho = 1.00 \text{ g/cm}^3$
Cube 7x7x7; SAR (1g): 0.416 mW/g; SAR (10g): 0.258 mW/g; (Worst-case extrapolation)
Course: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.20 dB



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