

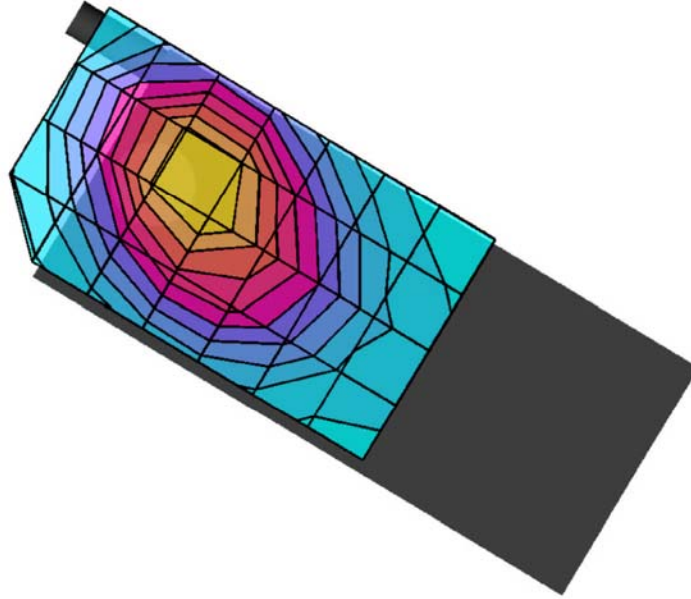
APPENDIX B-1:  
SAR Distribution Plots  
For  
Model KE434

## SAR Distribution plots for Head Adjacent Use Configuration

06/23/03

**KE4X4**

AMPS ch383 Left Cheek  
 Liquid Temp = 22C+- 1deg C  
 SAM Phantom; Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.35 mW/g; SAR (10g): 0.888 mW/g; SAR (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.04 dB

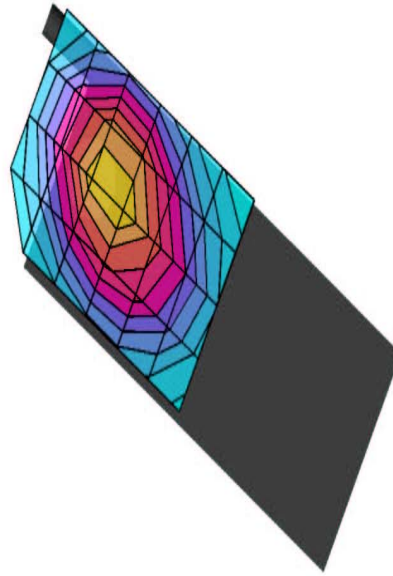
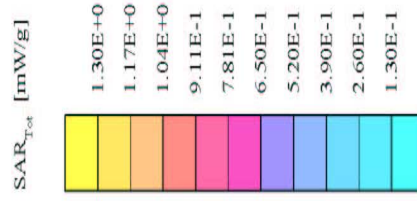


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**KE4X4**

AMPS eh383 Left Cheek with Backpack Clip  
 Liquid Temp = 22C+- 1deg.C  
 SAM Phantom, Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI 712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.37 mW/g; SAR (10g): 0.904 mW/g. (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: 0.05 dB

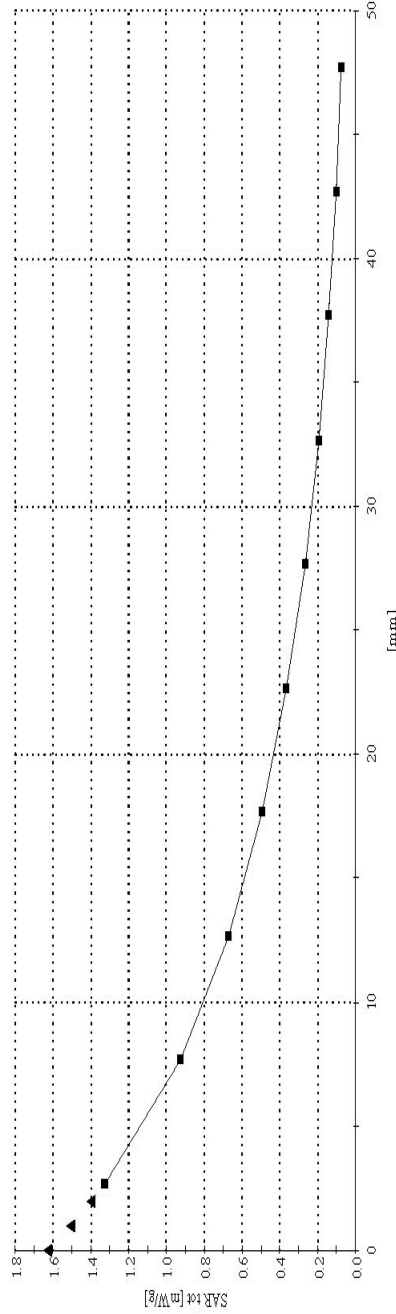


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**KE4X4**

AMPS ch383 Left Cheek with Backpack Clip  
 Liquid Temp = 22C(A), 1deg-C  
 SAM Phantom; Section; Position; ; Frequency: 835 MHz  
 Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$  p = 1.00 g/cm<sup>3</sup>  
 ; 0  
 Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

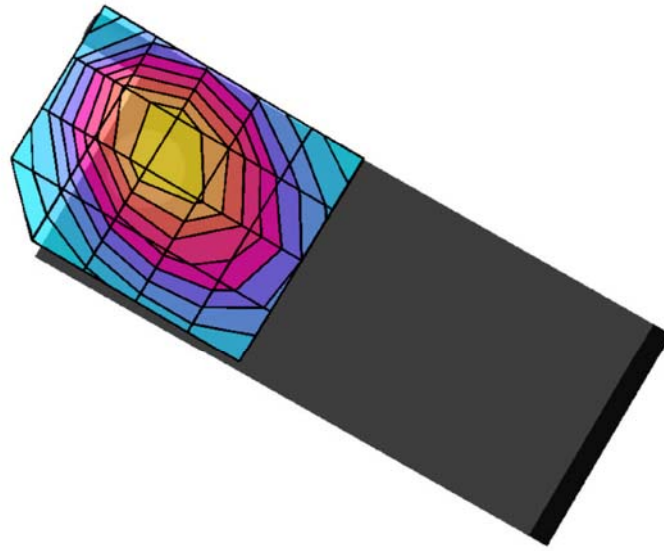


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**KE4X4**

AMPS ch383 Left Tilt  
 Liquid Temp = 22C +/- 1deg.C  
 SAM Phantom; Left Hand Section; Position: (79°, 60°); Frequency: 835 MHz  
 Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.19 mW/g, SAR (10g): 0.784 mW/g, SAR (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: 0.02 dB

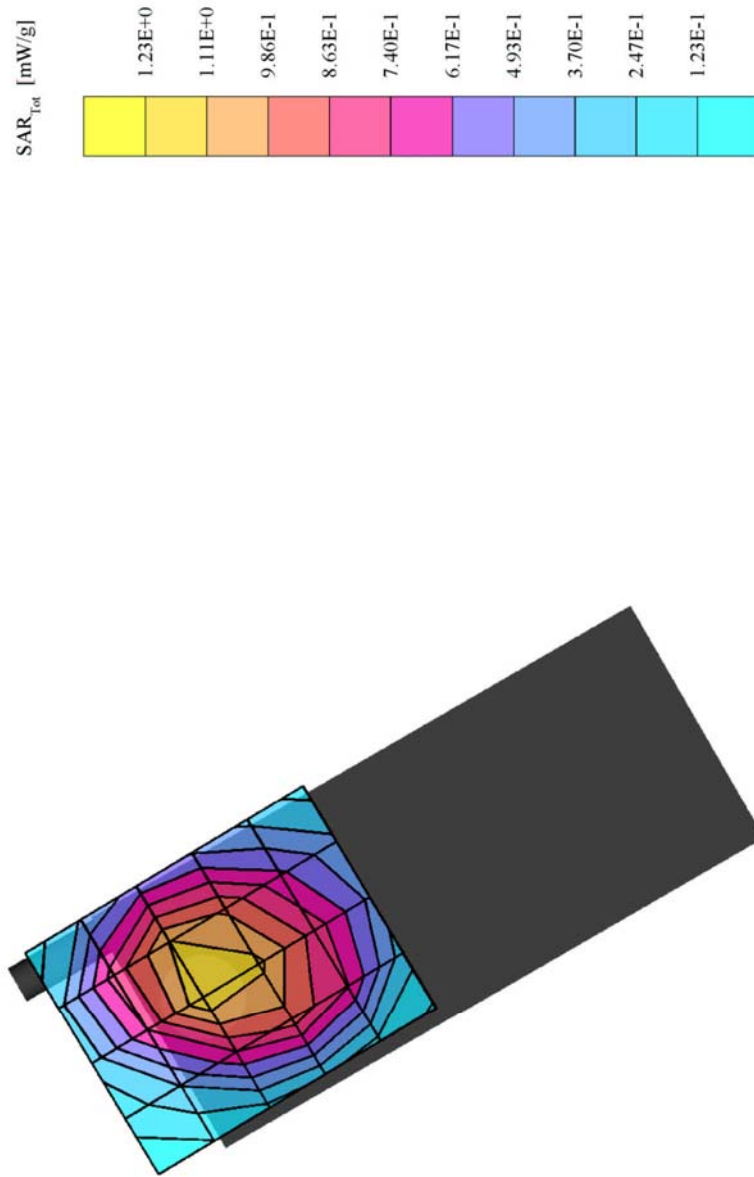


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**KE4X4**

AMPS ch383 Right Cheek  
 Liquid Temp = 22C<sup>+</sup>, 1deg.C  
 SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.827 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.01 dB

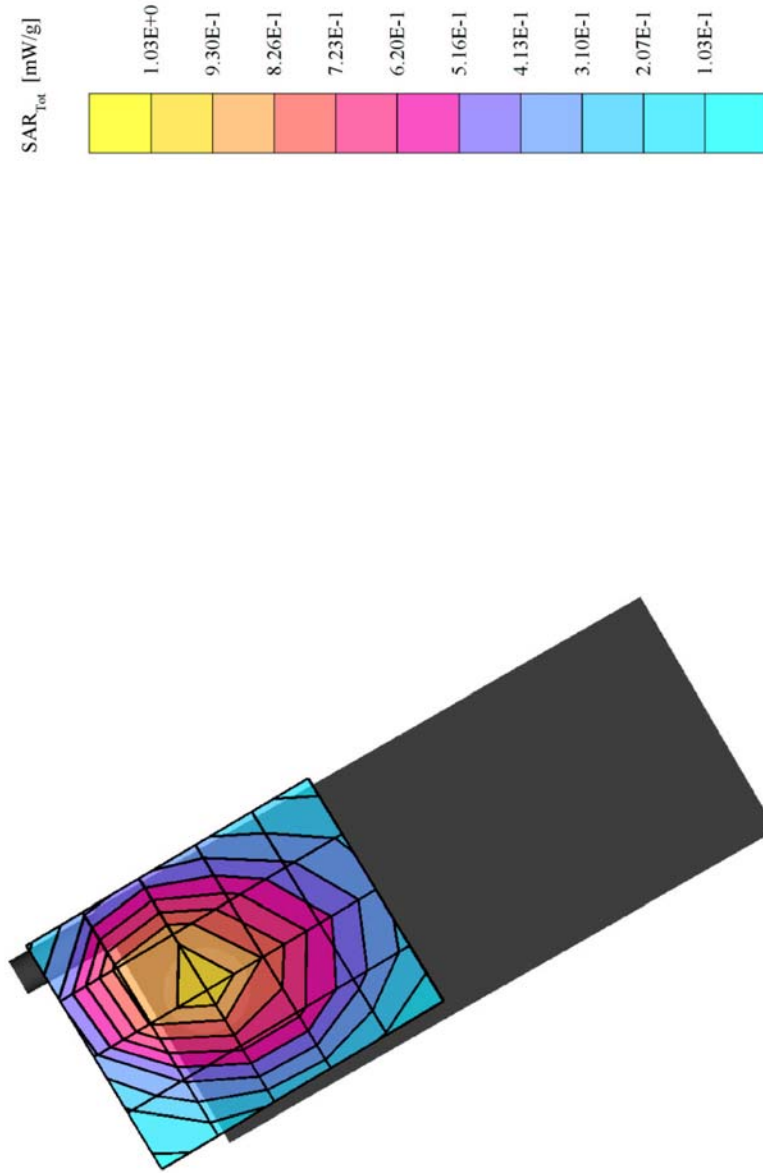


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**KE4X4**

AMPS ch383 Right Cheek  
 Liquid Temp = 22C +/- 1deg.C  
 SAM Phantom; Right Hand Section; Position: (90°, 300°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.02 mW/g; SAR (10g): 0.679 mW/g. (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.01 dB



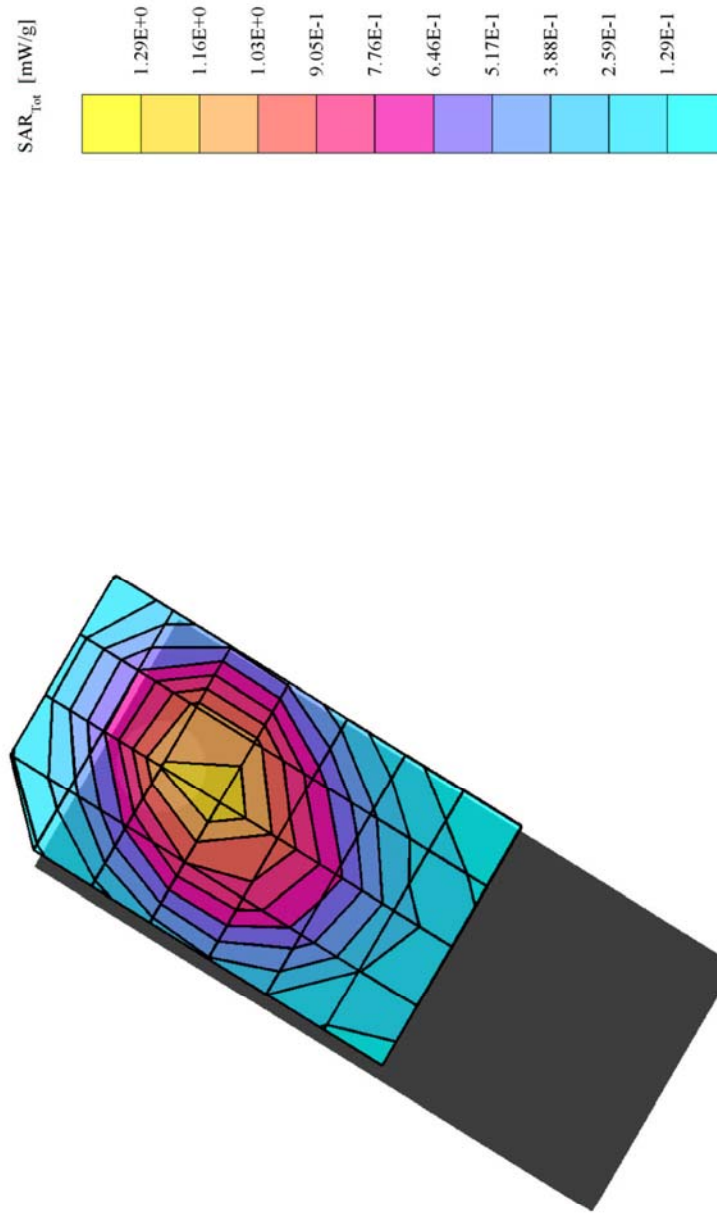
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**KE4X4**

CDMA-800 ch383 Left Cheek  
 Liquid Temp = 22C+/- 1deg.C  
 SAM Phantom, Left Hand Section; Position: (90°,59°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.30 mW/g, SAR (10g): 0.863 mW/g, SAR (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: 0.12 dB

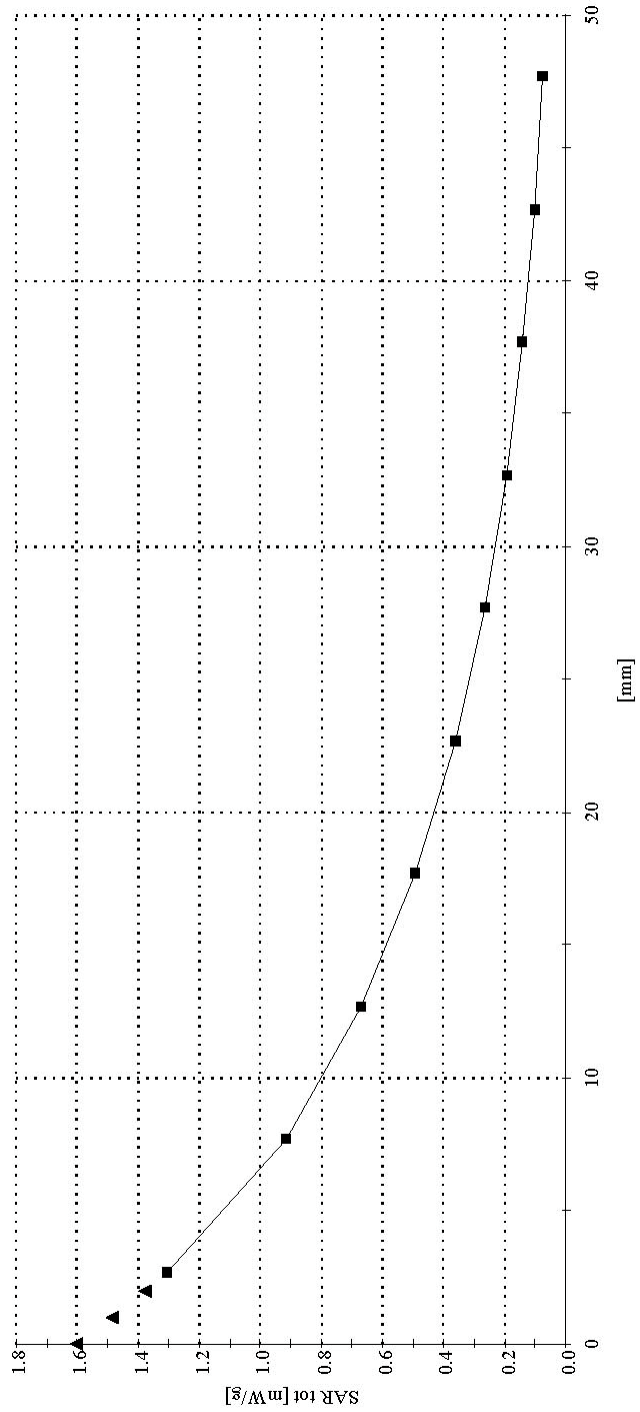


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**KE4X4**

CDMA-800 ch383 Left Cheek  
 Liquid Temp = 22C+- 1deg.C  
 SAM Phantom; Section; Position; Frequency: 835 MHz  
 Probe: ET3DV6 - SNI1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 ; ; 0  
 Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

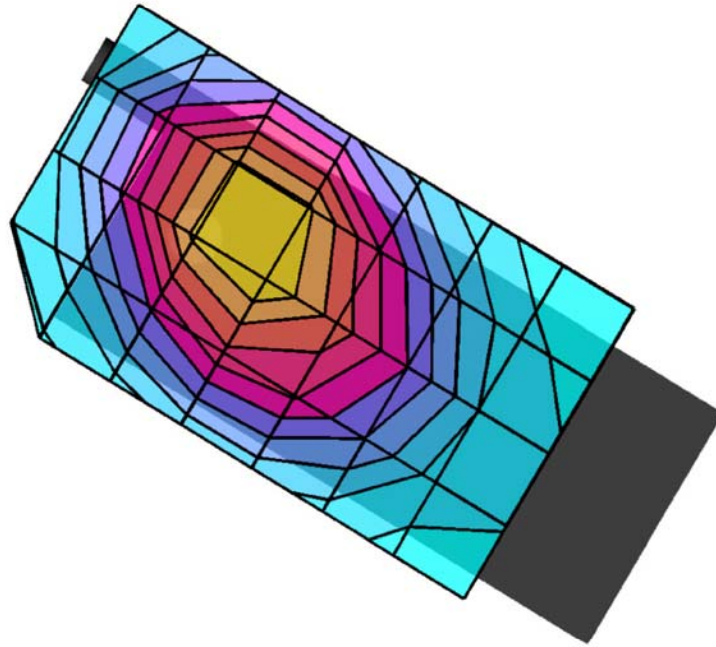
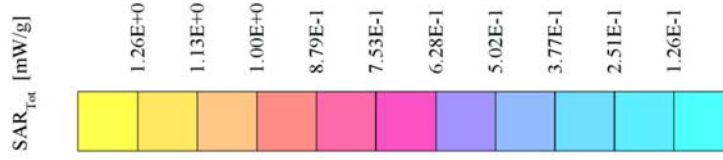


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**KE433**

CDMA-800 ch383 Left Cheek with Backpack Clip  
 Liquid Temp = 22C +/- 1deg C  
 SAM Phantom; Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.30 mW/g, SAR (10g): 0.856 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.09 dB

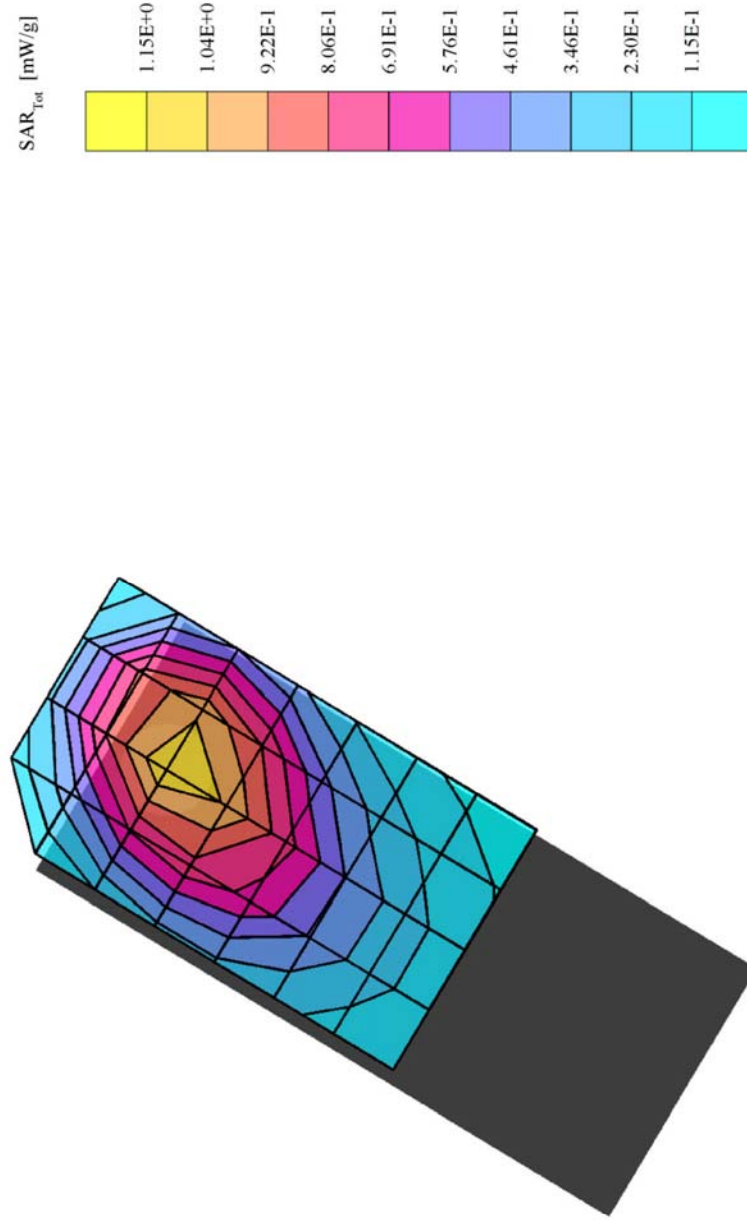


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**KE4X4**

CDMA-800 ch383 Left Tilt  
 Liquid Temp = 22C +/- 1deg C  
 SAM Phantom; Left Hand Section; Position: (90°, 59°); Frequency: 835 MHz  
 Probe: ET3DV6 - SNI712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: SAR (1g): 1.12 mW/g; SAR (10g): 0.743 mW/g. (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.06 dB

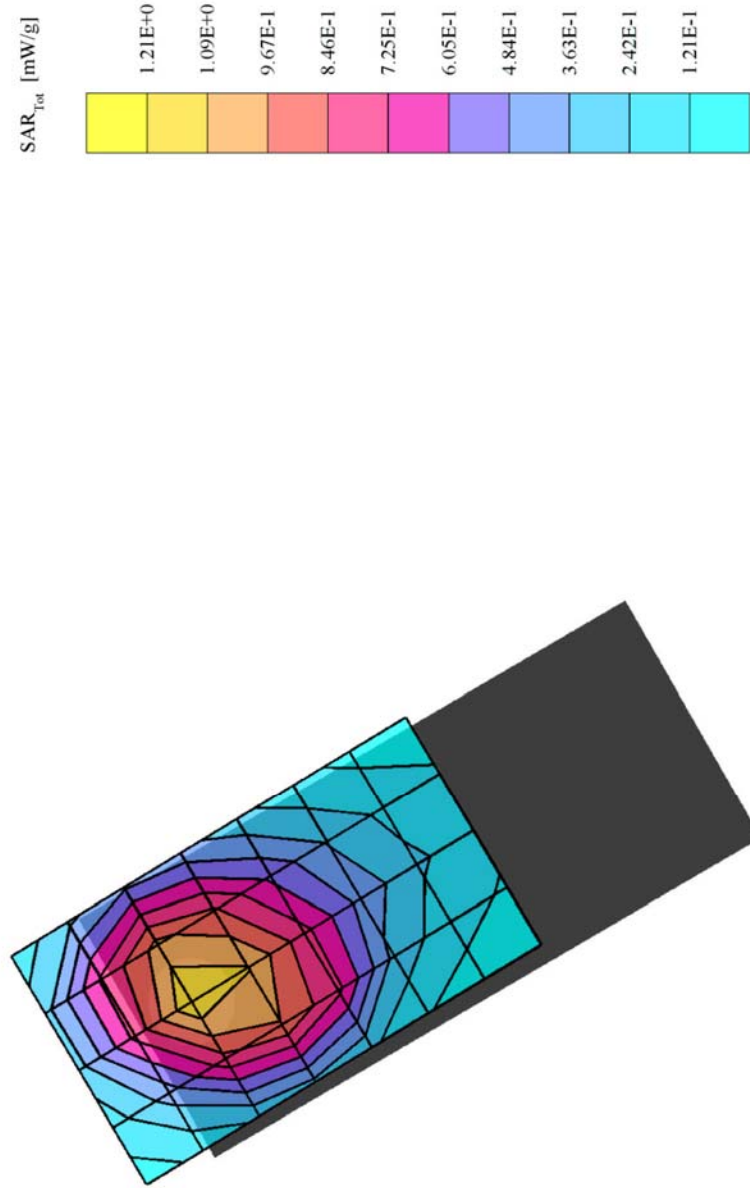


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**KE4X4**

CDMA-800 ch383 Right Cheek  
 Liquid Temp = 22C +/- 1deg.C  
 SAM Phantom; Right Hand Section; Position: (90°, 300°); Frequency: 835 MHz  
 Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.17 mW/g, SAR (10g): 0.795 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: 0.04 dB

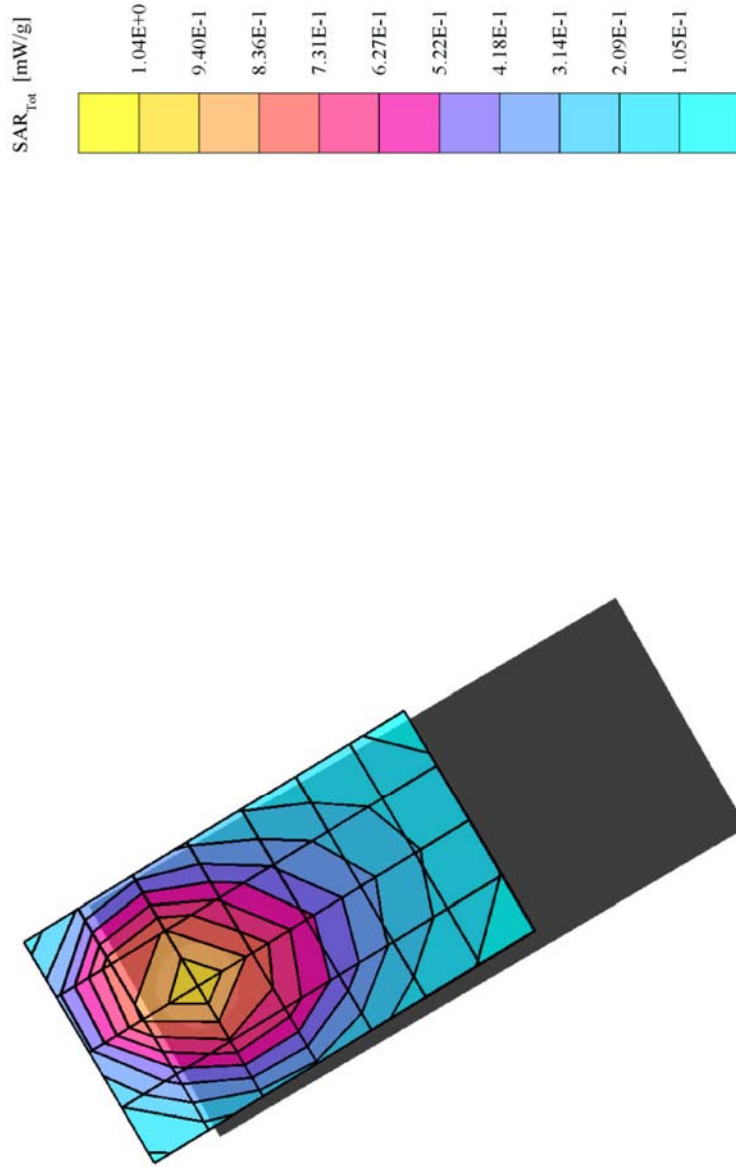


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**KE4X4**

CDMA-800 ch383 Right Tilt  
 Liquid Temp = 22C +/- 1deg.C  
 SAM Phantom; Right Hand Section; Position: (90°, 300°); Frequency: 835 MHz  
 Probe: ET3DV6 - SN1712; ConvF(6,50,6,50,6,50); Crest factor: 1.0; 835 MHz Brain:  $\sigma = 0.89$  mho/m  $\epsilon_r = 41.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 0.994 mW/g; SAR (10g): 0.665 mW/g; SAR (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.02 dB

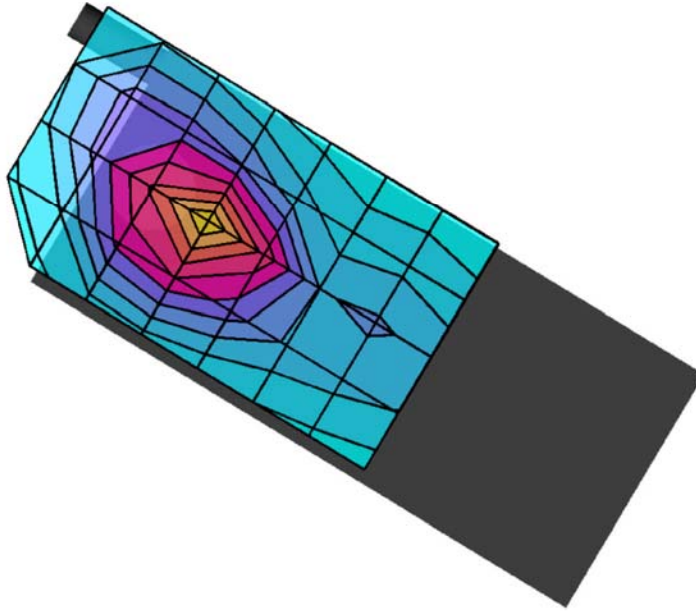
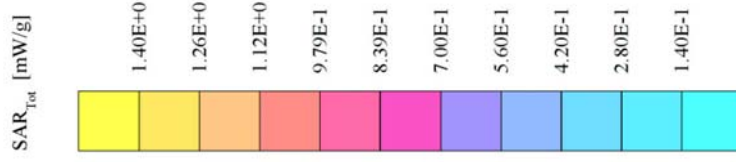


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**KE4X4**

CDMA-1900 ch1175 Left Cheek  
 Liquid Temp = 22C +/- 1deg C  
 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:  $\sigma = 1.46$  mho/m  $\epsilon_r = 39.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.25 mW/g, SAR (10g): 0.697 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.15 dB

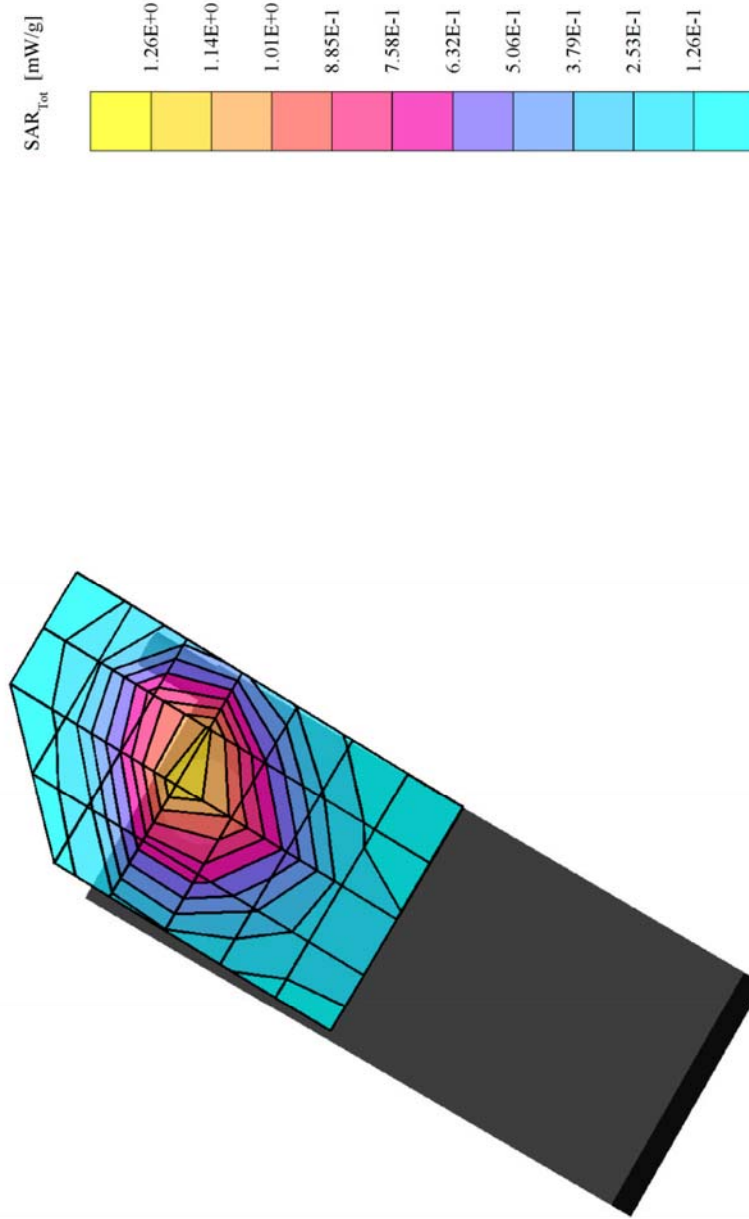


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**KE4X4**

CDMA-1900 ch25 Left Tilt  
 Liquid Temp = 22C +/- 1deg.C  
 SAM Phantom; Left Hand Section; Position: (79°, 60°); Frequency: 1900 MHz  
 Probe: ET3DV6 - SN1712; ConvF(5.40, 5.40, 5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.46 \text{ mho/m}$ ,  $\epsilon_r = 39.6$ ,  $\rho = 1.00 \text{ g/cm}^3$   
 Cube 7x7x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.693 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrft: -0.05 dB



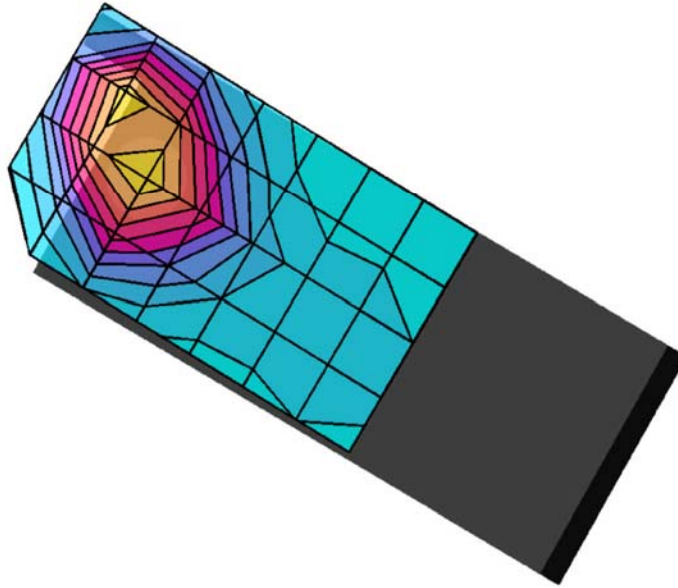
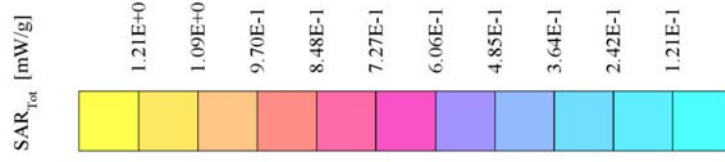
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**KE4X4**

CDMA-1900 ch25 Left Tilt with Backpack Clip  
 Liquid Temp = 22C +/- 1deg C  
 SAM Phantom; Left Hand Section; Position: (79°, 60°); Frequency: 1900 MHz  
 Probe: ET3DV6 - SN1712; ConvF(5.40, 5.40, 5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.46$  mho/m  $\epsilon_r = 39.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.27 mW/g, SAR (10g): 0.710 mW/g, SAR (10g): 0.710 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.16 dB

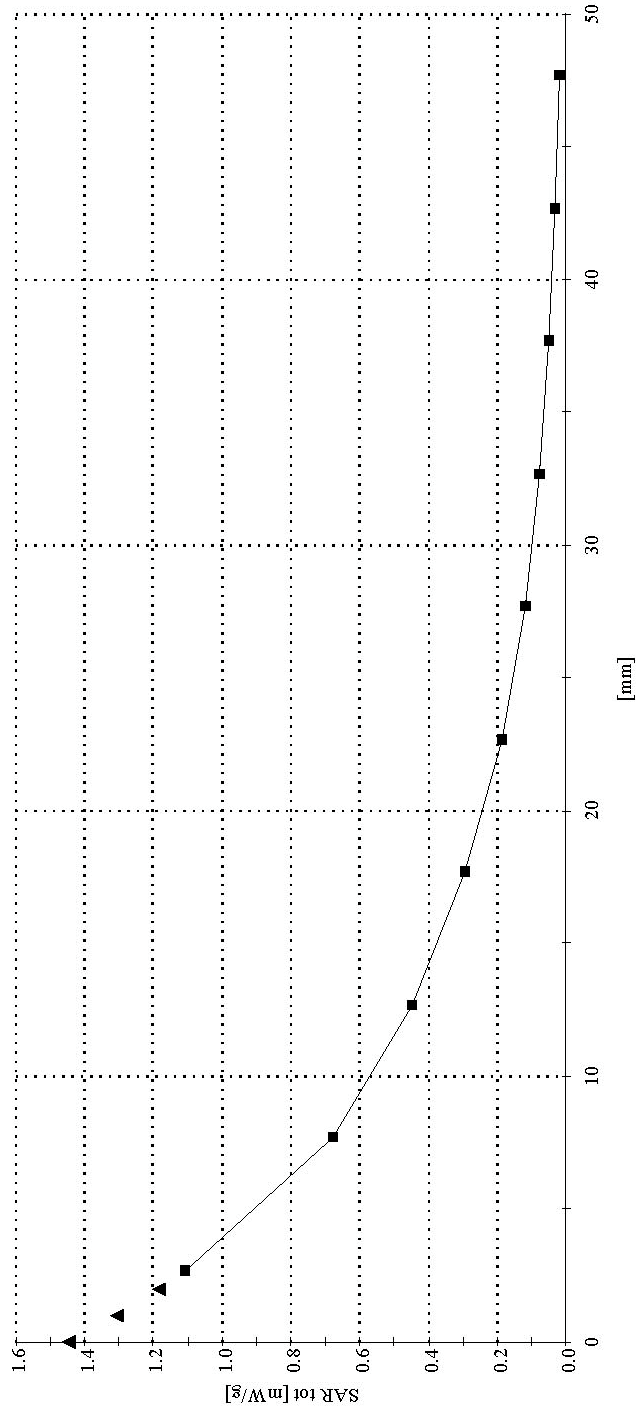


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**KE4X4**

CDMA-1900 ch25 Left Tilt with Backpack Clip  
 Liquid Temp = 22C +/- 1deg.C  
 SAM Phantom; Section; Position.; Frequency: 1900 MHz  
 Probe: ET3DV6 - SNI1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.46$  mho/m  $\epsilon_r = 39.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
 ;, 0  
 Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

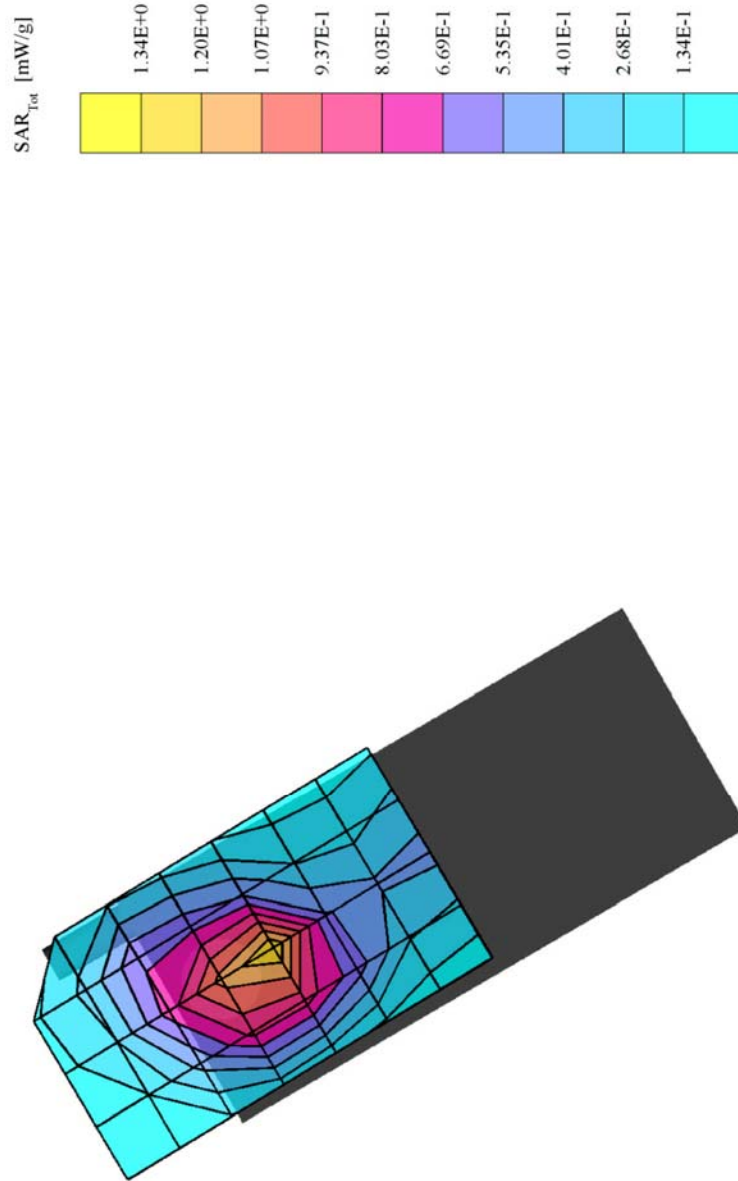


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**KE4X4**

CDMA-1900 ch1175 Right Cheek  
 Liquid Temp = 22C +/- 1deg.C  
 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:  $\sigma = 1.46$  mho/m  $\epsilon_r = 39.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; SAR (1g): 1.22 mW/g, SAR (10g): 0.692 mW/g, SAR (10g): 0.692 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.13 dB

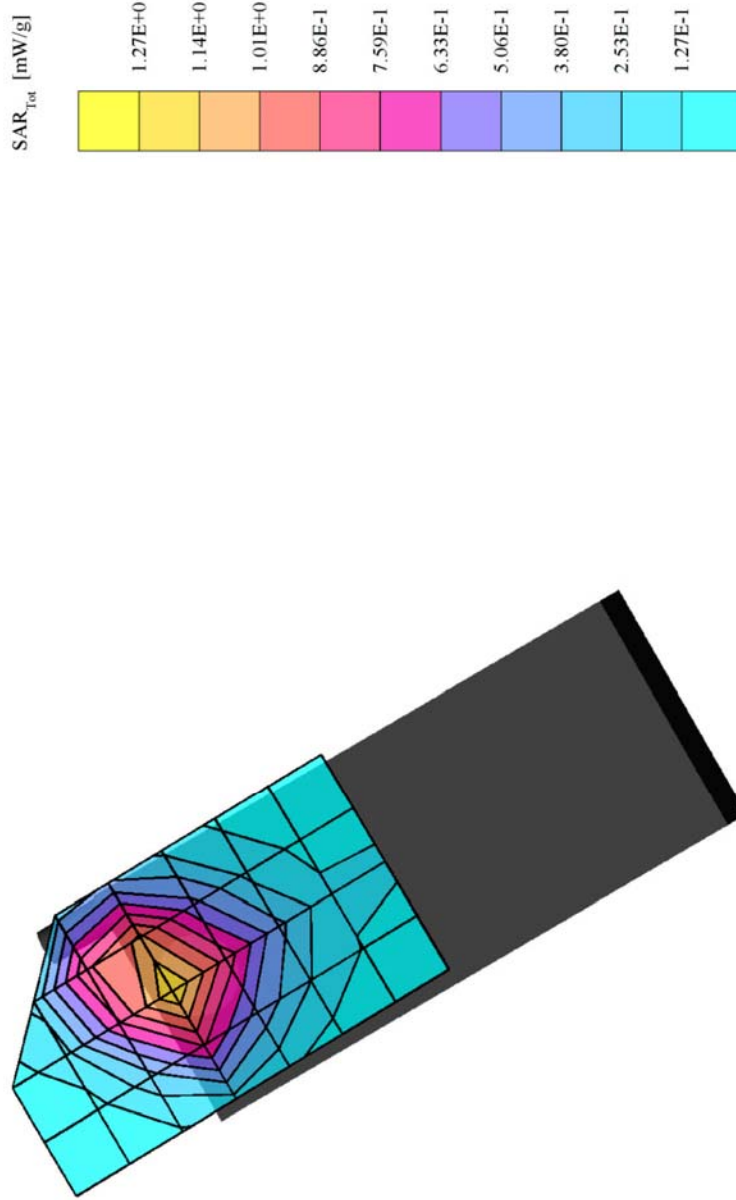


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**KE4X4**

CDMA-1900 ch25 Right Tilt  
 Liquid Temp = 22C+- 1deg.C  
 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:  $\sigma = 1.46 \text{ mho/m } \epsilon_r = 39.6 \rho = 1.00 \text{ g/cm}^3$   
 Cube 7x7x7; SAR (1g): 1.16 mW/g, SAR (10g): 0.659 mW/g, (Worst-case extrapolation)  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Powerdrift: -0.16 dB



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