

APPENDIX B:  
SAR Distribution Plots  
For  
Model KE433

Section 1  
**SAR Distribution plots for Head Adjacent Use Configuration**

06/01/03

**KE433**

CDMA-1900 ch600 Left Cheek with Model "G" Antenna

Liquid Temp = 22C $\pm$ 1deg.C

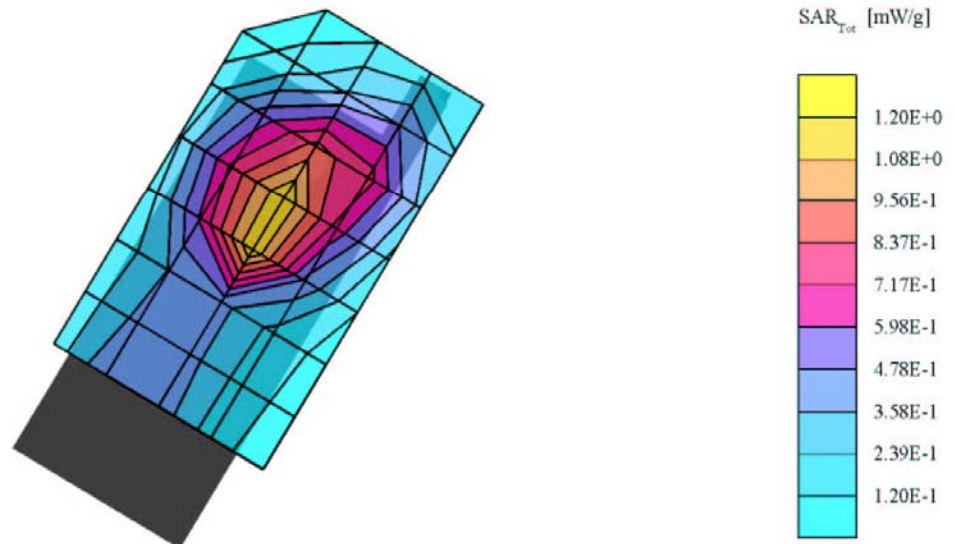
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7; SAR (1g): 1.21 mW/g, SAR (10g): 0.677 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.08 dB



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## KE433

CDMA-1900 ch25 Left Tilt with Model "G" Antenna

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

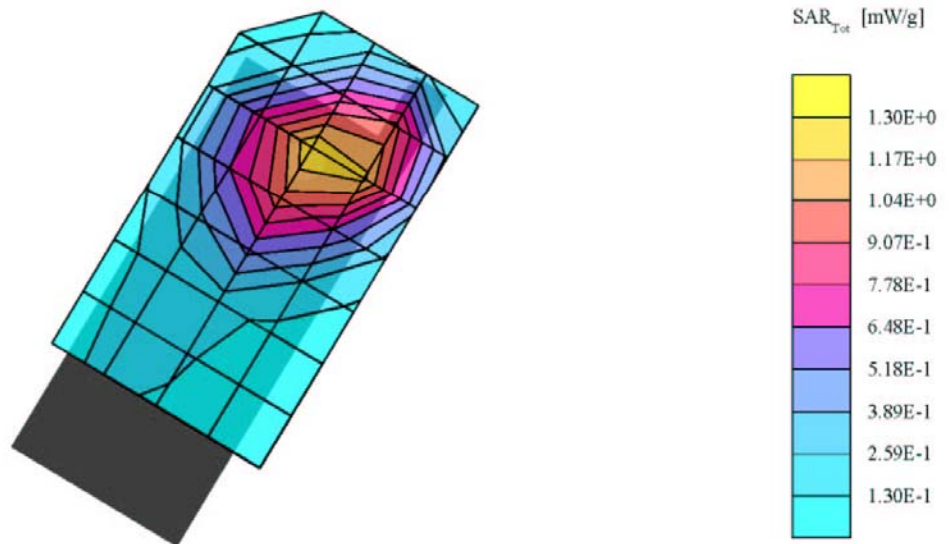
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.27 mW/g, SAR (10g): 0.724 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.06 dB



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**KE433**

CDMA-1900 ch25 Left Tilt with Model "G" antenna

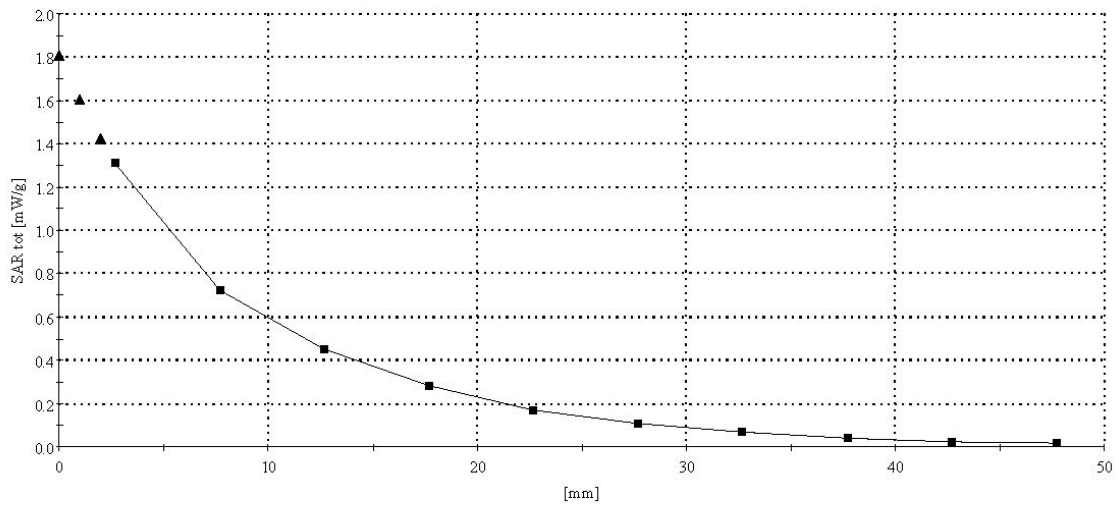
Liquid Temp = 22C<sup>±</sup> 1deg. C

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

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41 \text{ mho/m}$   $\epsilon_r = 41.3$   $\rho = 1.00 \text{ g/cm}^3$

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



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**KE433**

CDMA-1900 ch1175 Right Cheek with Model "G" Antenna

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

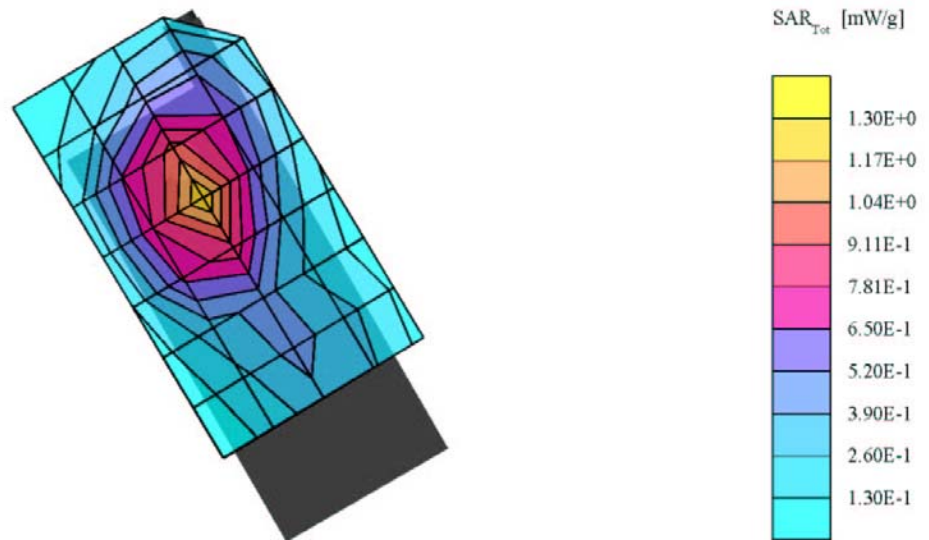
SAM Phantom, Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz

 Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7; SAR (1g): 1.20 mW/g, SAR (10g): 0.675 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.05 dB



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**KE433**

CDMA-1900 ch25 Right Tilt with Model "G" antenna

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

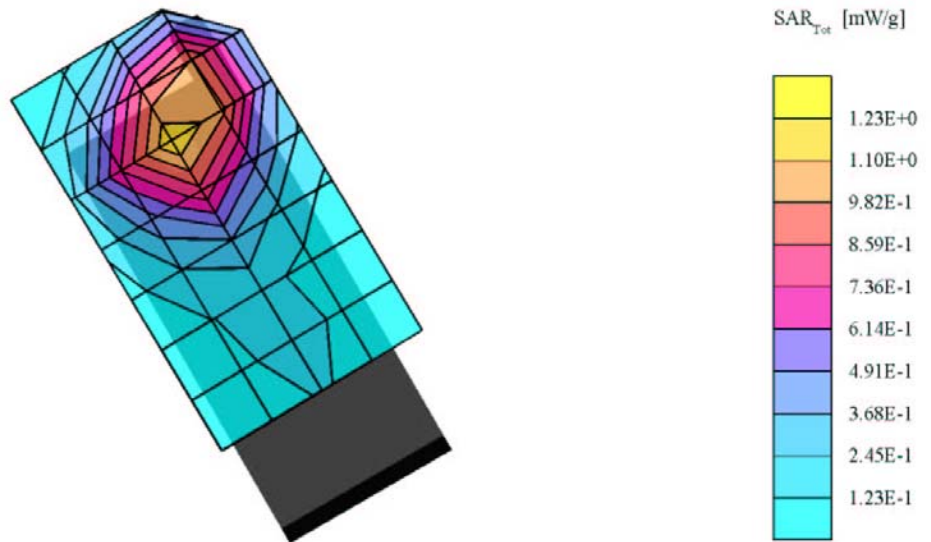
SAM Phantom, Right Hand Section; Position: (79°,300°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7: SAR (1g): 1.16 mW/g, SAR (10g): 0.672 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.04 dB



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**KE433**

CDMA-1900, ch25 Left Tilt with Model "Y" antenna

 Liquid Temp = 22C $\pm$ 1deg.C

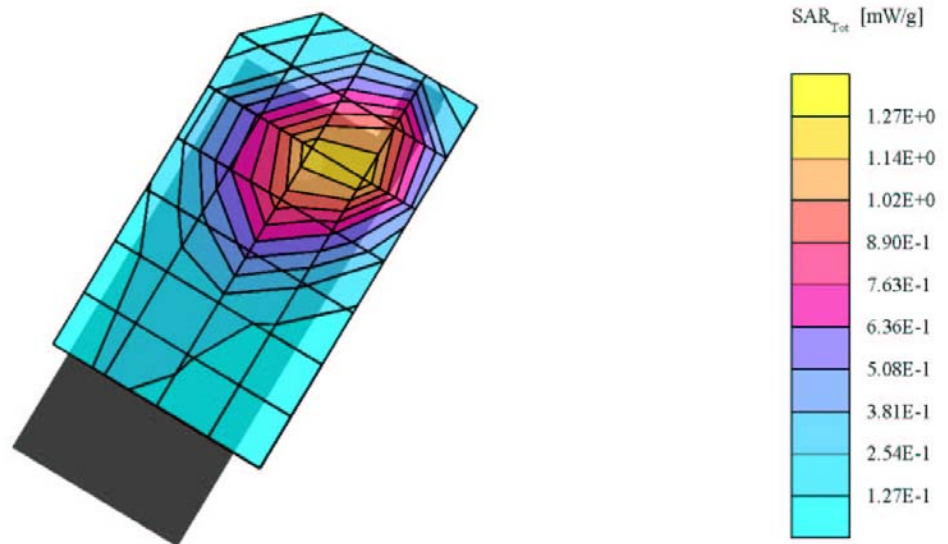
SAM Phantom, Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz

 Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 7x7x7; SAR (1g): 1.30 mW/g, SAR (10g): 0.728 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.11 dB



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**KE433**

CDMA-1900, ch25 Left Tilt with Model "Y" antenna

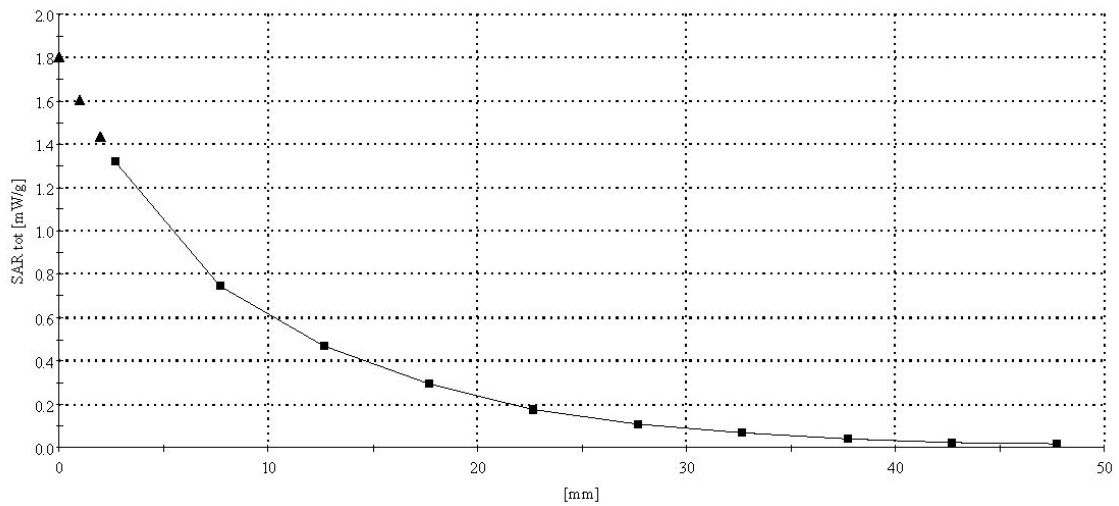
Liquid Temp = 22C±1deg.C

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

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41 \text{ mho/m}$   $\epsilon_r = 41.3$   $\rho = 1.00 \text{ g/cm}^3$

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



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**KE433**

CDMA-1900, ch25 Left Tilt with Backpack Clip with Model "G" antenna

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

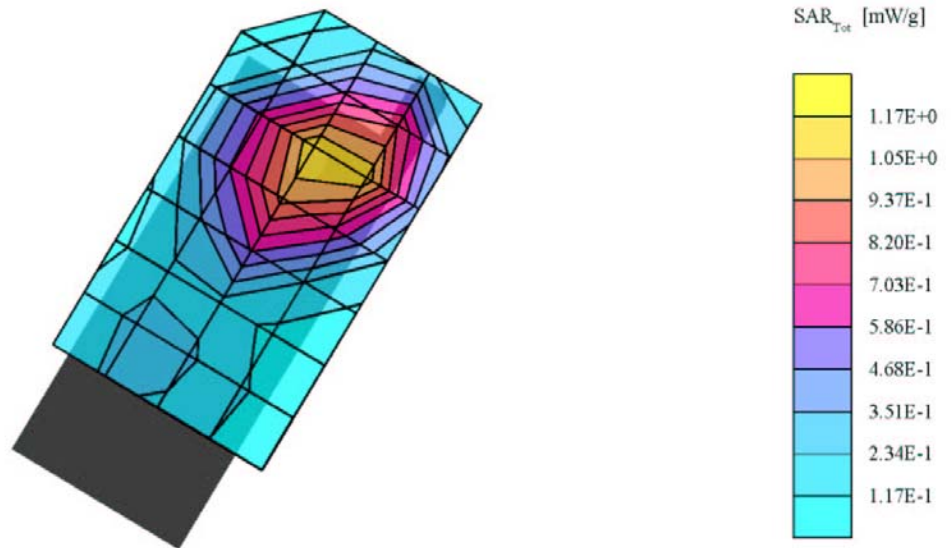
SAM Phantom, Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain:  $\sigma = 1.41 \text{ mho/m}$ ,  $\epsilon_r = 41.3$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7; SAR (1g): 1.20 mW/g, SAR (10g): 0.677 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.10 dB



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**Section 2**  
SAR Distribution plots for Body Worn Configuration

06/01/03

**KE433**

CDMA-1900 ch25 Flat with Belt Clip with Model "G" antenna

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

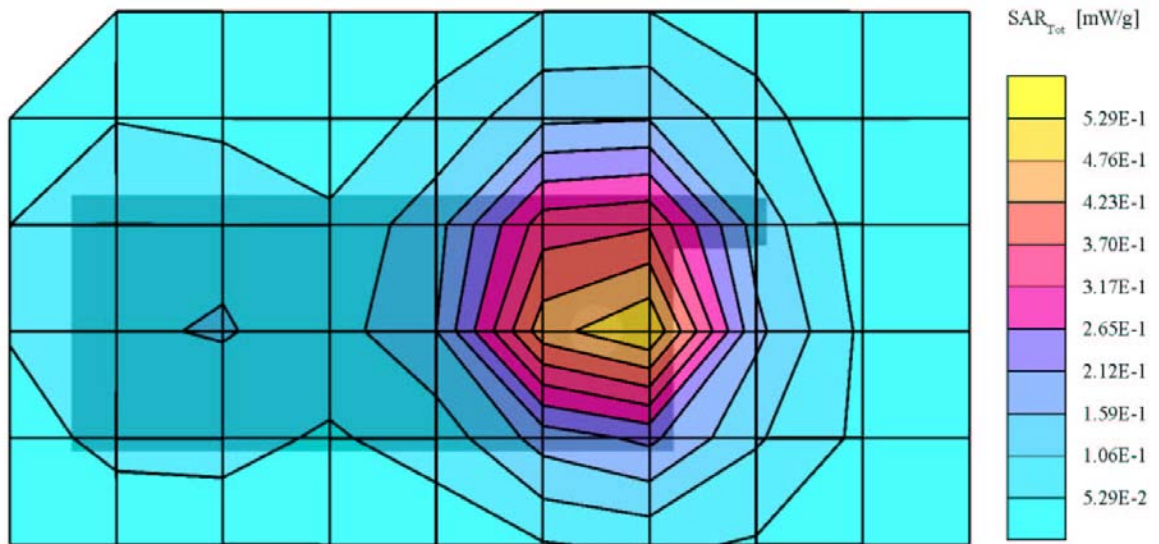
SAM Phantom, Flat Section, Position: (90°,90°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle:  $\sigma = 1.46 \text{ mho/m}$ ,  $\epsilon_r = 52.8$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 7x7x7: SAR (1g): 0.584 mW/g, SAR (10g): 0.355 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.13 dB



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**KE433**

CDMA-1900, ch25 Flat with Leather Case with Model "G" antenna

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

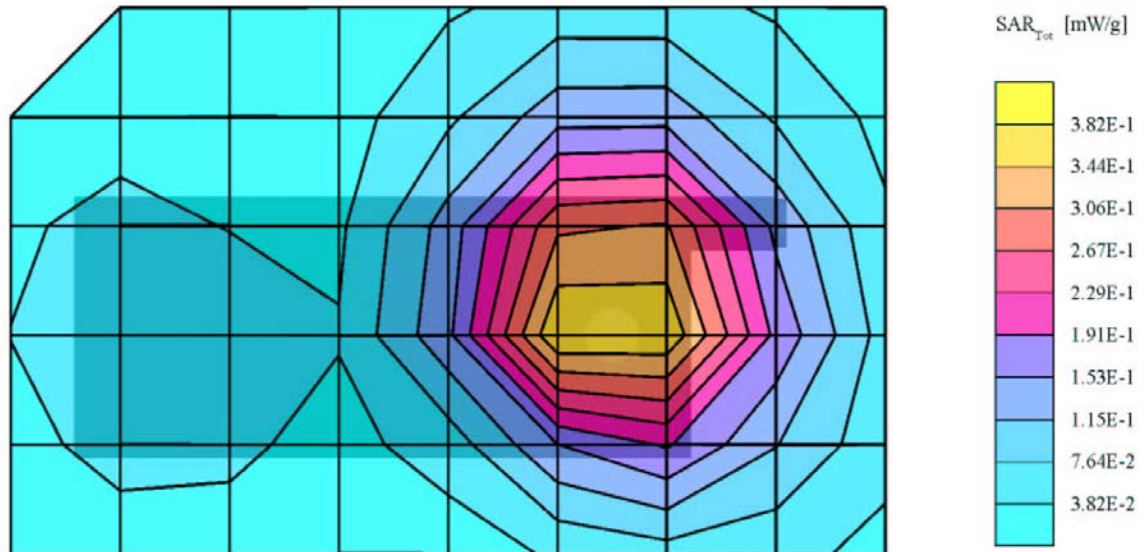
SAM Phantom, Flat Section, Position: (90°,90°); Frequency: 1900 MHz

 Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle:  $\sigma = 1.46 \text{ mho/m}$ ,  $\epsilon_r = 52.8$ ,  $\rho = 1.00 \text{ g/cm}^3$ 

Cube 7x7x7: SAR (1g): 0.404 mW/g, SAR (10g): 0.248 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.20 dB



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**KE433**

CDMA-1900, ch25 Flat with 22.5mm Separation with Model "G" antenna

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

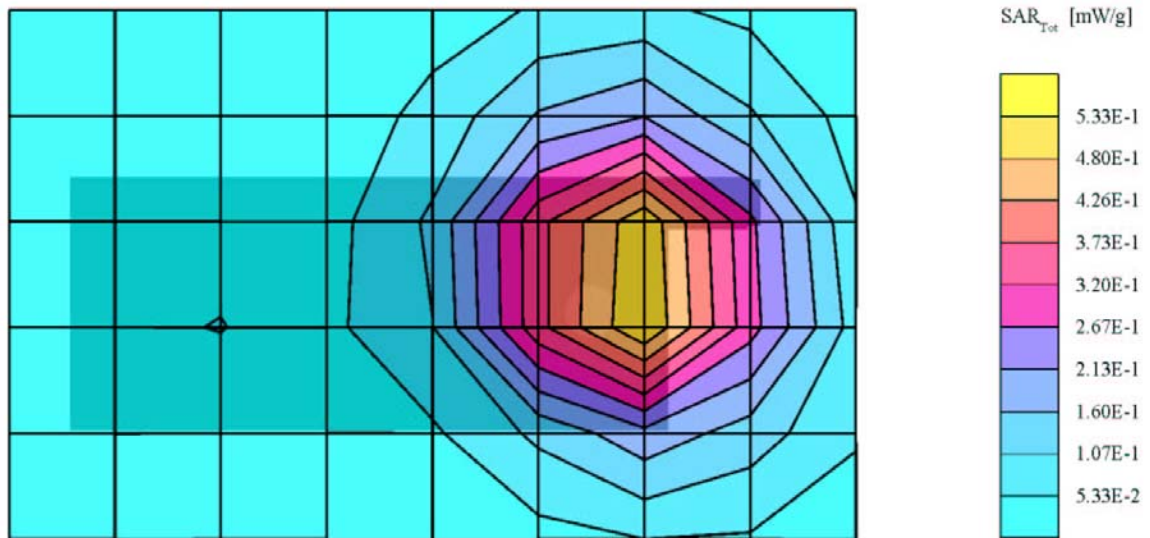
SAM Phantom, Flat Section, Position: (90°,90°); Frequency: 1900 MHz

 Probe: ET3DV6 - SN1712; ConvF(5.00,5.00,5.00); Crest factor: 1.0; 1900 MHz Muscle:  $\sigma = 1.46 \text{ mho/m}$ ,  $\epsilon_r = 52.8$ ,  $\rho = 1.00 \text{ g/cm}^3$ 

Cube 7x7x7: SAR (1g): 0.559 mW/g, SAR (10g): 0.343 mW/g, (Worst-case extrapolation)

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

Powerdrift: -0.05 dB



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