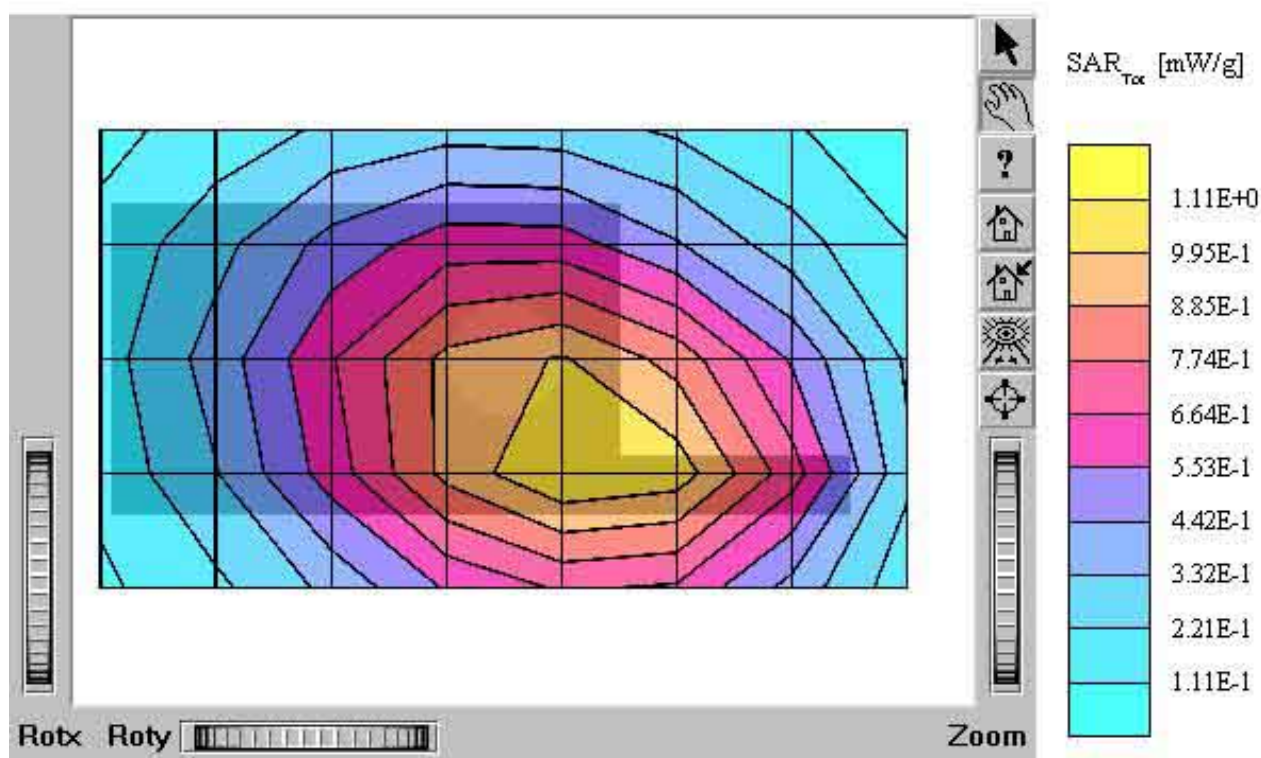


## APPENDIX A – SAR TEST PLOTS

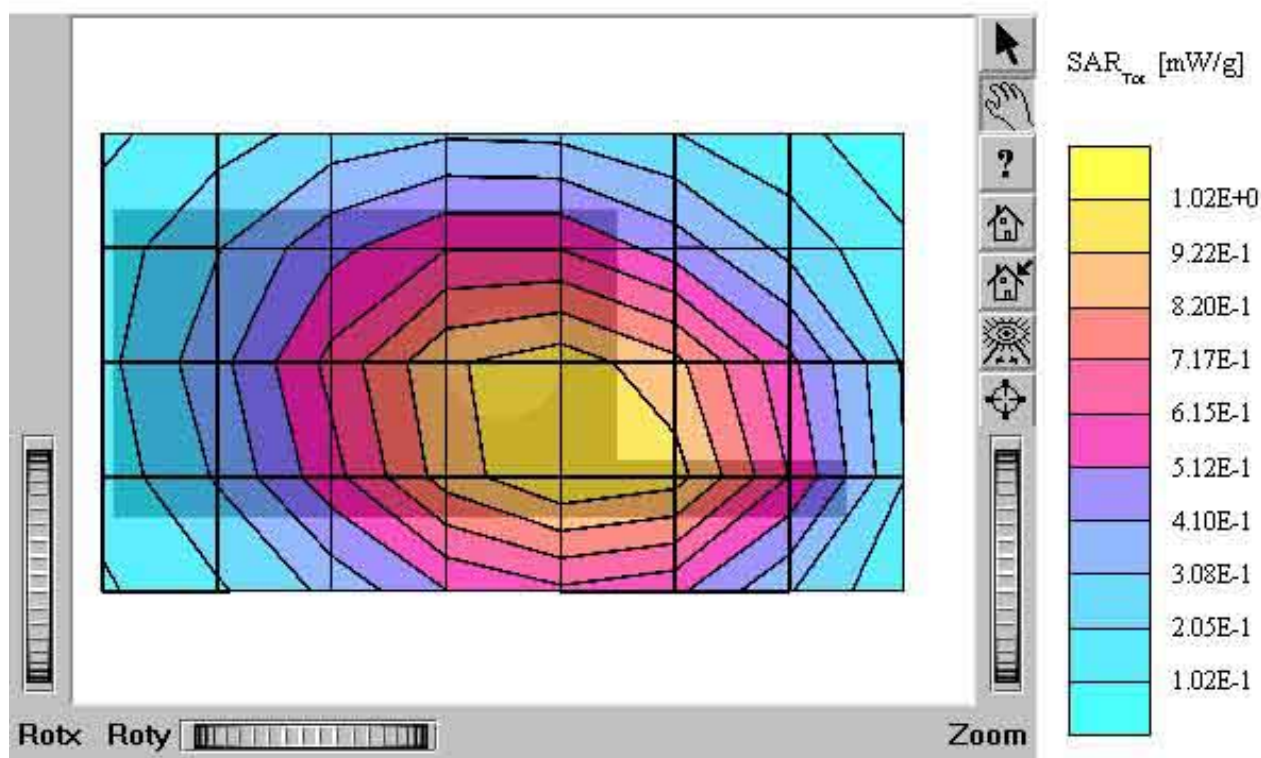
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz:  $\sigma = 0.86$   
mho/m  $\epsilon_r = 43.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.933 mW/g, SAR (10g): 0.661 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -1.09 dB  
Comment:

Company: TTI TECH CO., LTD.  
Face / Antenna: in (fixed)  
Conducted Power : 2.35W  
Mode: FM GMRS Channel: 1 (462.5625 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



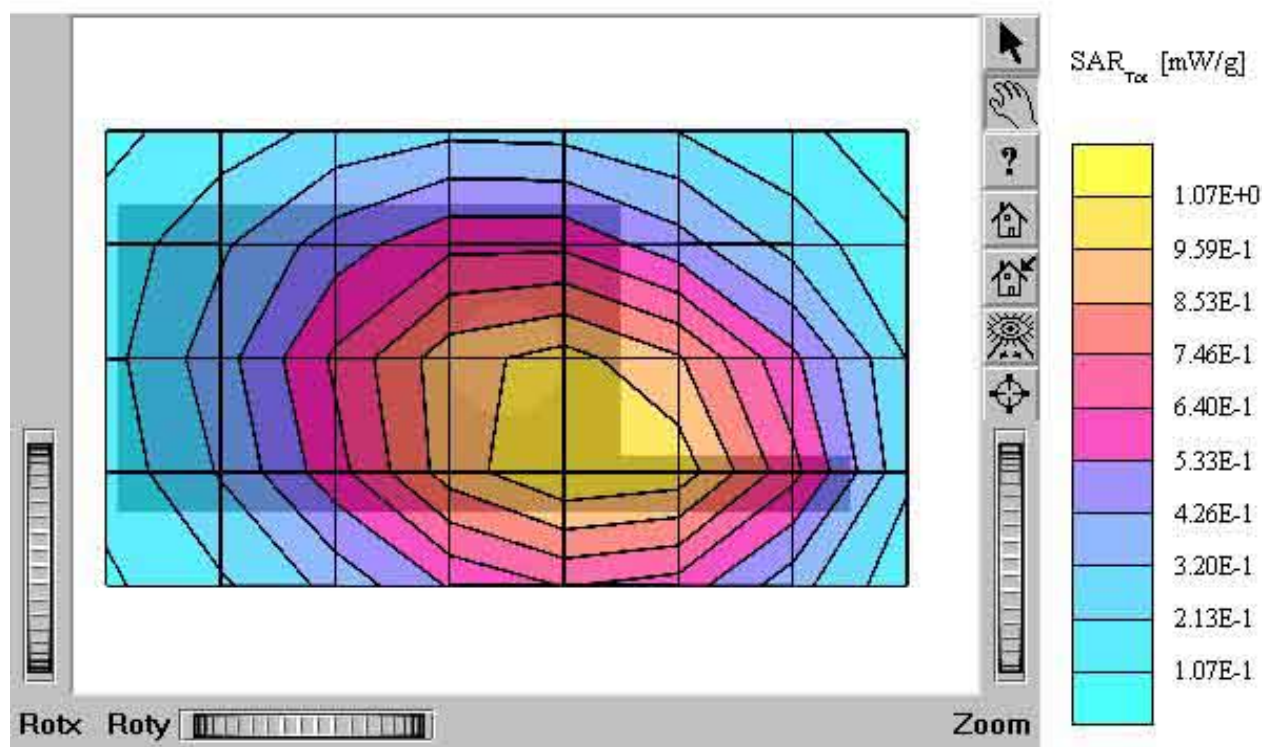
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvP(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz:  $\sigma = 0.86$   
mho/m  $\epsilon_r = 43.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.885 mW/g, SAR (10g): 0.630 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.91 dB  
Comment:

Company: TTI TECH CO., LTD.  
Face / Antenna: in (fixed)  
Conducted Power : 2.35W  
Mode: FM GMRS Channel: 15 (462.5500 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



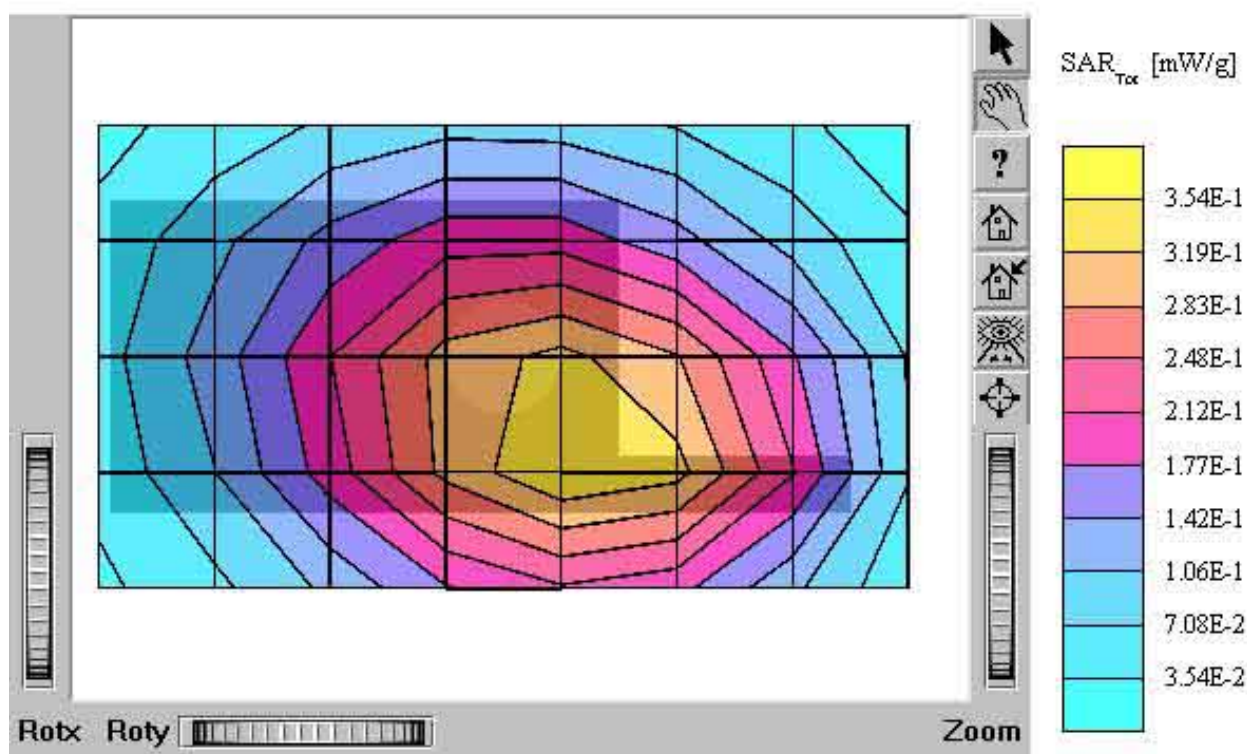
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz;  $\sigma = 0.86$   
mho/m  $\epsilon_r = 43.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.928 mW/g, SAR (10g): 0.657 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.99 dB  
Comment:

Company: TTI TECH CO., LTD.  
Face / Antenna: in (fixed)  
Conducted Power : 2.37W  
Mode: FM GMRS Channel: 22 (462.7250 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



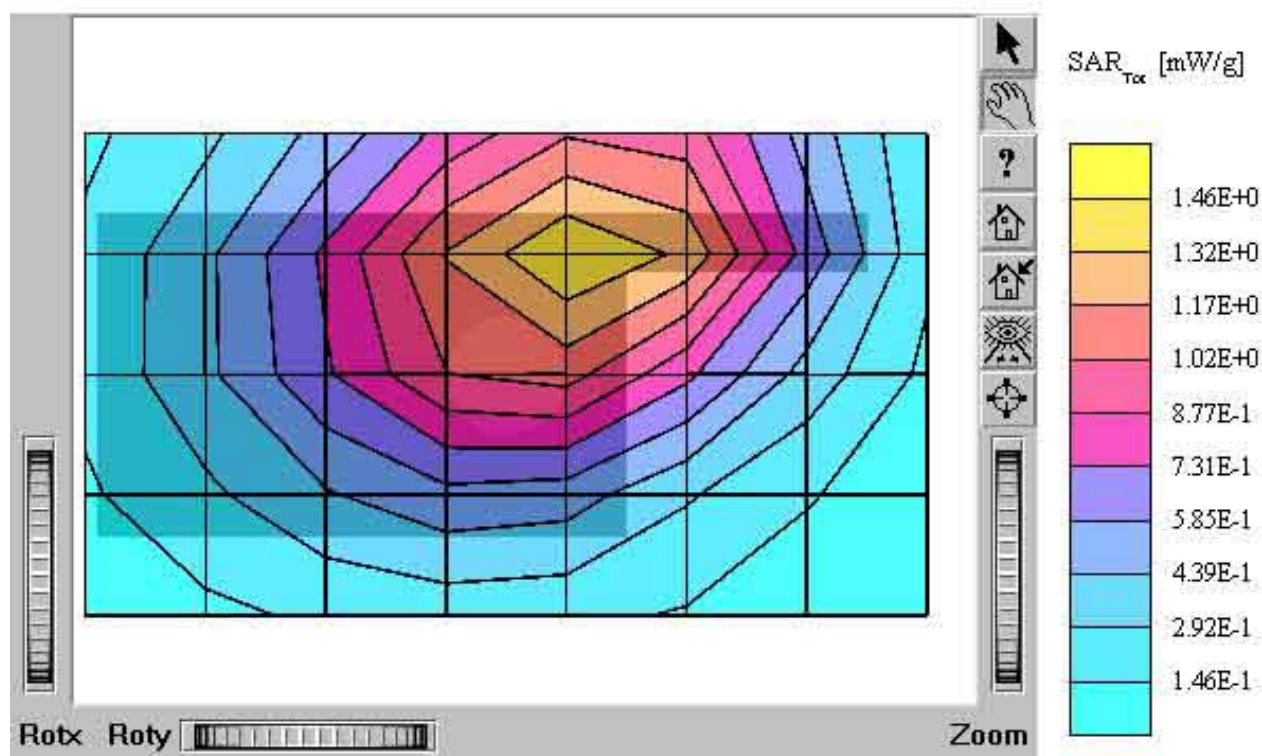
SAM I Phantom: Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz:  $\sigma = 0.86$   
mho/m  $\epsilon_r = 43.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.313 mW/g, SAR (10g): 0.224 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.29 dB  
Comment:

Company: TTI TECH CO., LTD.  
Face / Antenna: in (fixed)  
Conducted Power : 0.68W  
Mode: FM GMRS Channel: 8 (467.5625 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



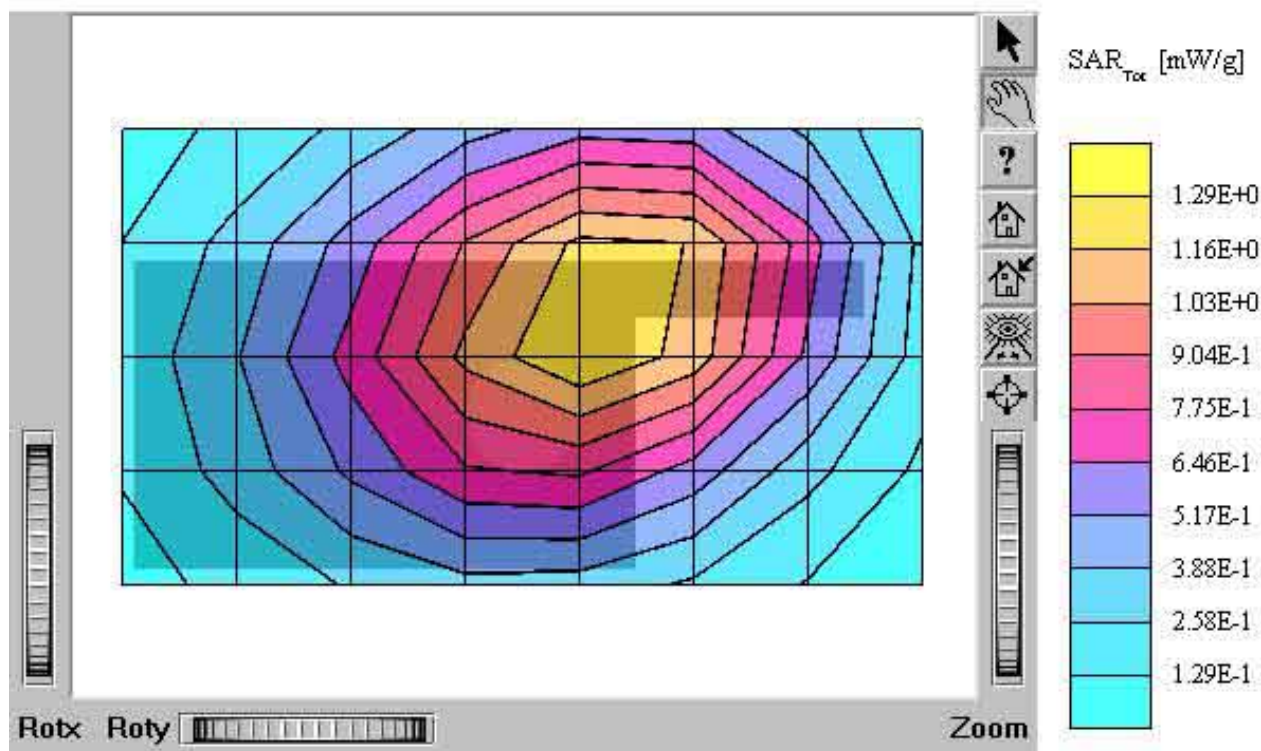
SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.73,6.73,6.73); Crest factor: 1.0; Body 450 MHz:  $\sigma = 0.94$   
mho/m  $\epsilon_r = 55.5$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 1.20 mW/g, SAR (10g): 0.830 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.72 dB  
Comment:

Company: TTI TECH CO., LTD.  
Body / Antenna: in (fixed)  
Conducted Power : 2.36W  
Mode: FM GMRS Channel: 1 (462.5625 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



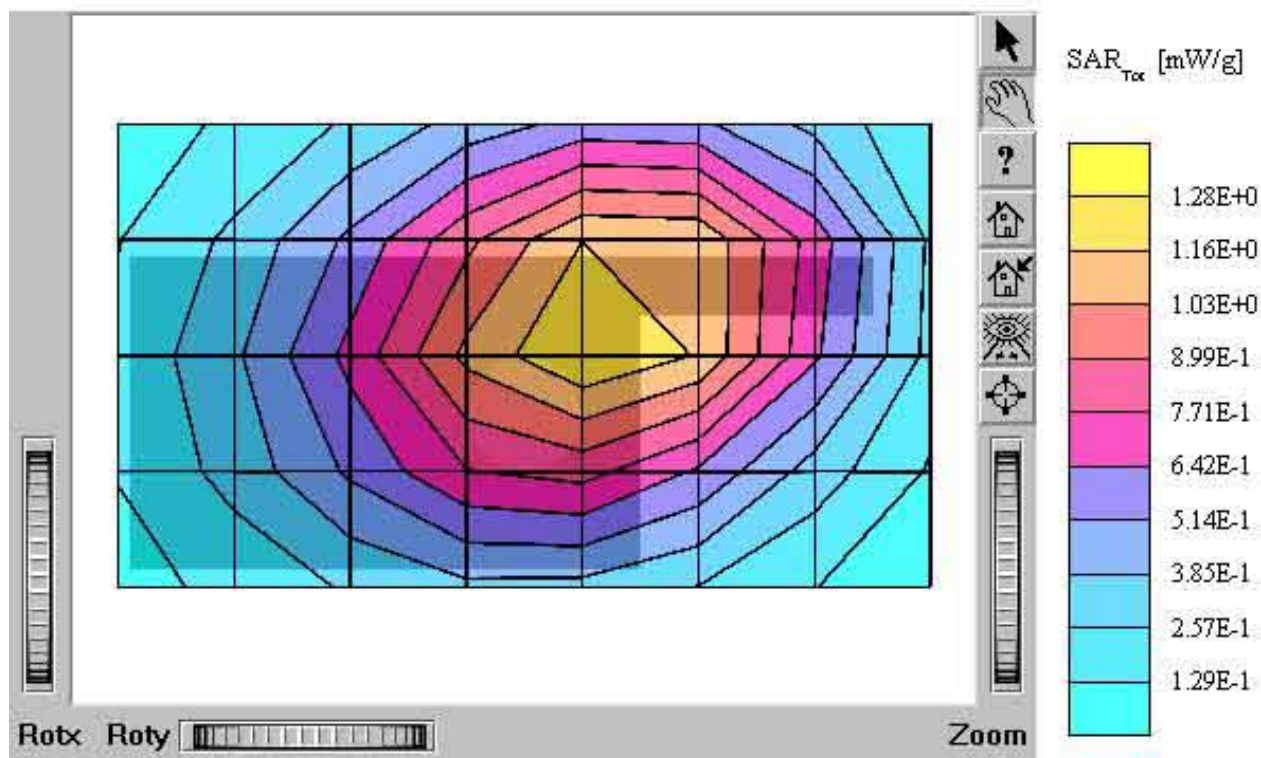
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.73,6.73,6.73); Crest factor: 1.0; Body 450 MHz:  $\sigma = 0.94$   
mho/m  $\epsilon_r = 55.5$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 1.10 mW/g, SAR (10g): 0.765 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.81 dB  
Comment:

Company: TTI TECH CO., LTD.  
Body / Antenna: in (fixed)  
Conducted Power : 2.36W  
Mode: FM GMRS Channel: 15 (462.5500 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



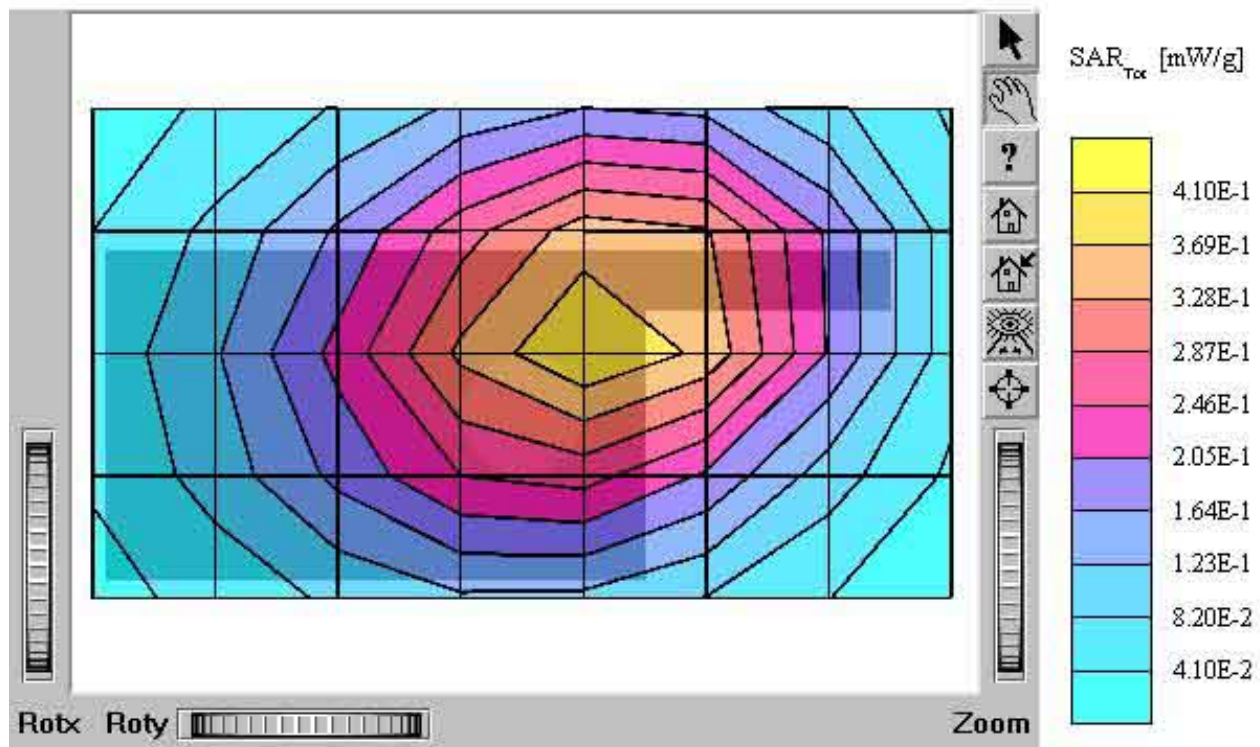
SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.73,6.73,6.73); Crest factor: 1.0; Body 450 MHz:  $\sigma = 0.94$   
mho/m  $\epsilon_r = 55.5$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 1.11 mW/g, SAR (10g): 0.771 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.79 dB  
Comment:

Company: TTI TECH CO., LTD.  
Body / Antenna: in (fixed)  
Conducted Power : 2.37W  
Mode: FM GMRS Channel: 22 (462.7250 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



SAM II Phantom: Flat Section: Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.73,6.73,6.73); Crest factor: 1.0; Body 450 MHz:  $\sigma = 0.94$   
mho/m  $\epsilon_r = 55.5$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.366 mW/g, SAR (10g): 0.255 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.00 dB  
Comment:

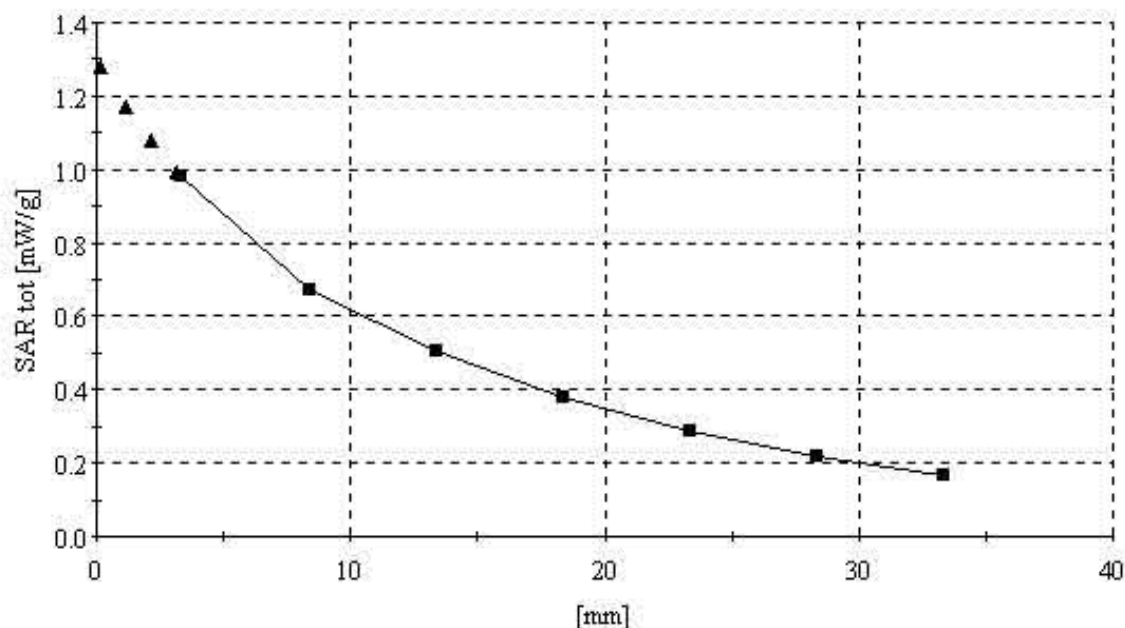
Company: TTI TECH CO., LTD.  
Body / Antenna: in (fixed)  
Conducted Power : 0.67W  
Mode: FM GMRS Channel: 8 (467.5625 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz:  $\sigma = 0.86$   
mho/m  $\epsilon_r = 43.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.933 mW/g, SAR (10g): 0.661 mW/g  
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

Company: TTI TECH CO., LTD.  
Face / Antenna: in (fixed)  
Conducted Power : 2.35W  
Mode: FM GMRS Channel: 1 (462.5625 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004



SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz  
Probe: ET3DV6 - SN1609; ConvF(6.73,6.73,6.73); Crest factor: 1.0; Body 450 MHz:  $\sigma = 0.94$   
mho/m  $\epsilon_r = 55.5$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 1.20 mW/g, SAR (10g): 0.830 mW/g  
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

Company: TTI TECH CO., LTD.  
Body / Antenna: in (fixed)  
Conducted Power : 2.36W  
Mode: FM GMRS Channel: 1 (462.5625 MHz)  
Liquid Temperature : 21.3 °C  
Date Tested : March 19, 2004

