

APPENDIX A – SAR TEST PLOTS

GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 1.51 mW/g, SAR(10g): 1.07 mW/g

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

Peak: 2.22 mW/g; Powerdrift: -0.60 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

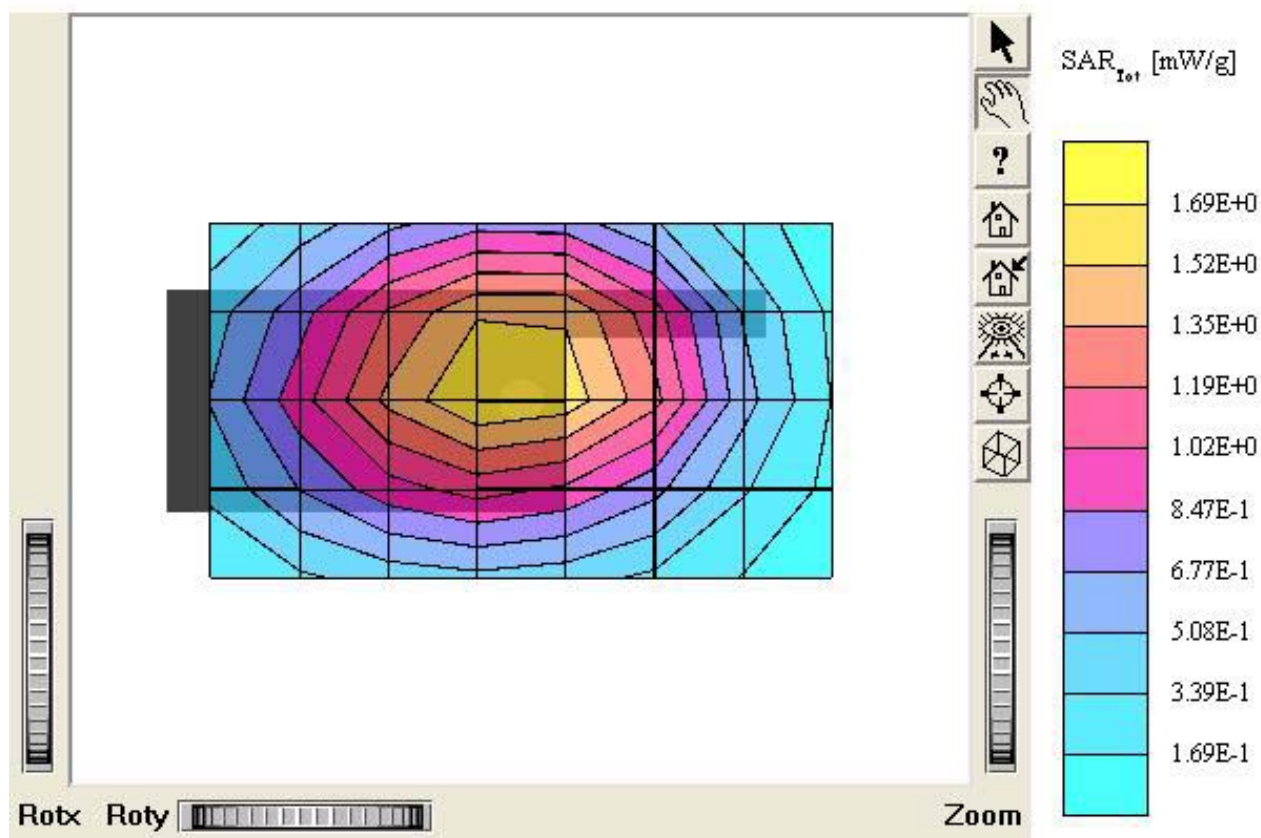
Face / Antenna: in (fixed)

Conducted Power: 2.45W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.63 mW/g, SAR (10g): 1.15 mW/g

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

Peak: 2.40 mW/g; Powerdrift: -0.61 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

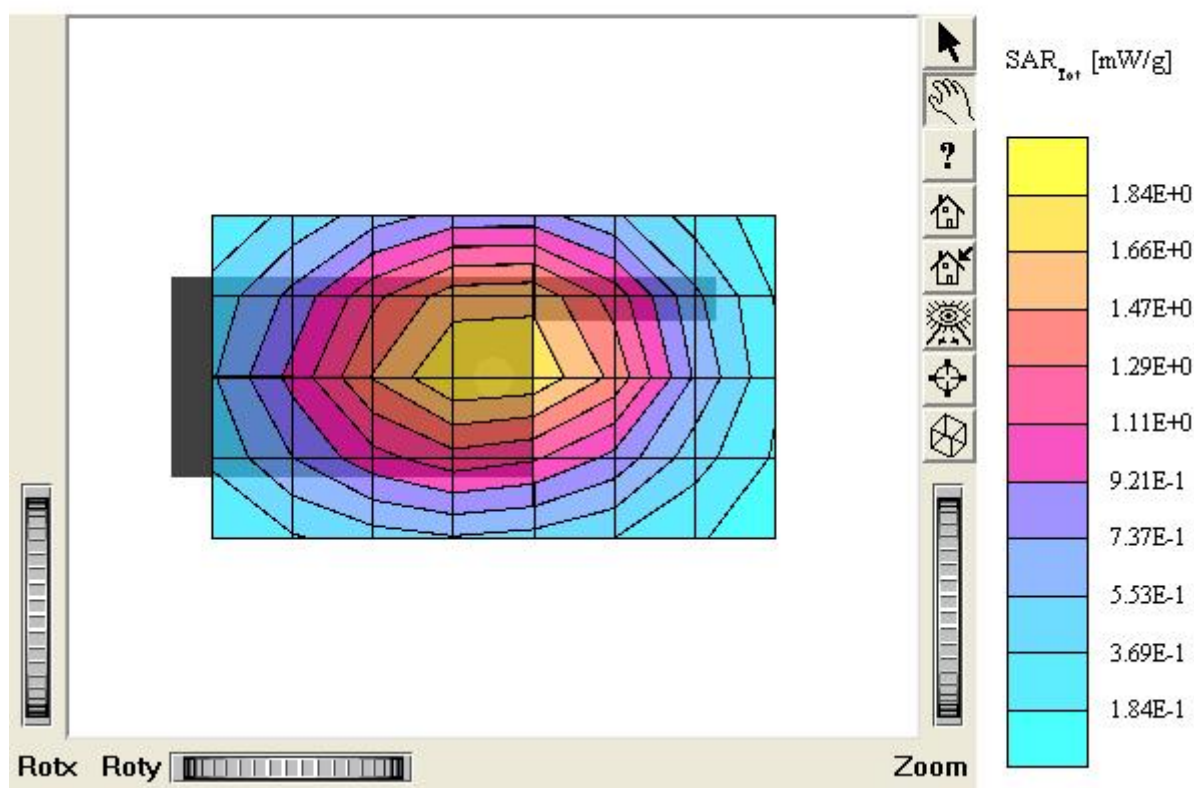
Face / Antenna: in (fixed)

Conducted Power: 2.43W (Battery Type: Energizer)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.59 mW/g; SAR (10g): 1.12 mW/g

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

Peak: 2.34 mW/g; Powerdrift: -0.85 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

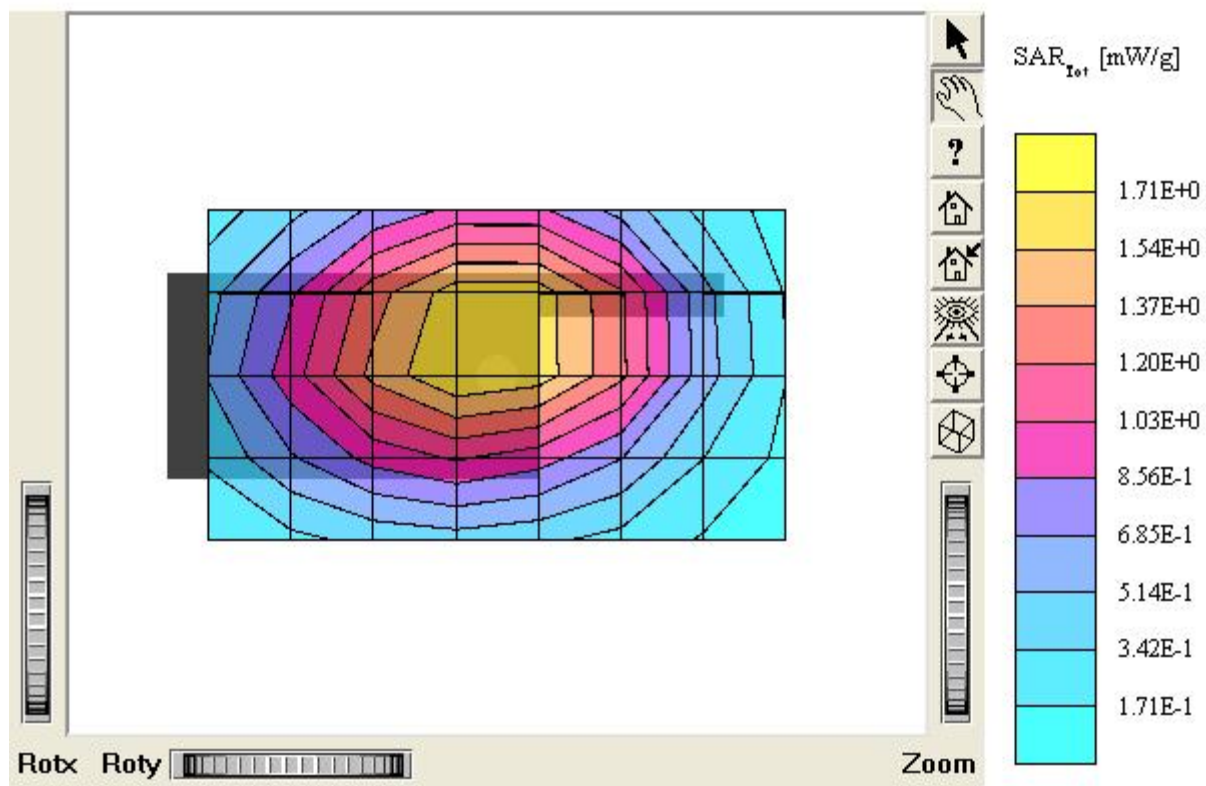
Face / Antenna: in (fixed)

Conducted Power: 2.41 W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR(1g): 0.175 mW/g; SAR(10g): 0.124 mW/g

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

Peak: 0.255 mW/g; Powerdrift: -0.75 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

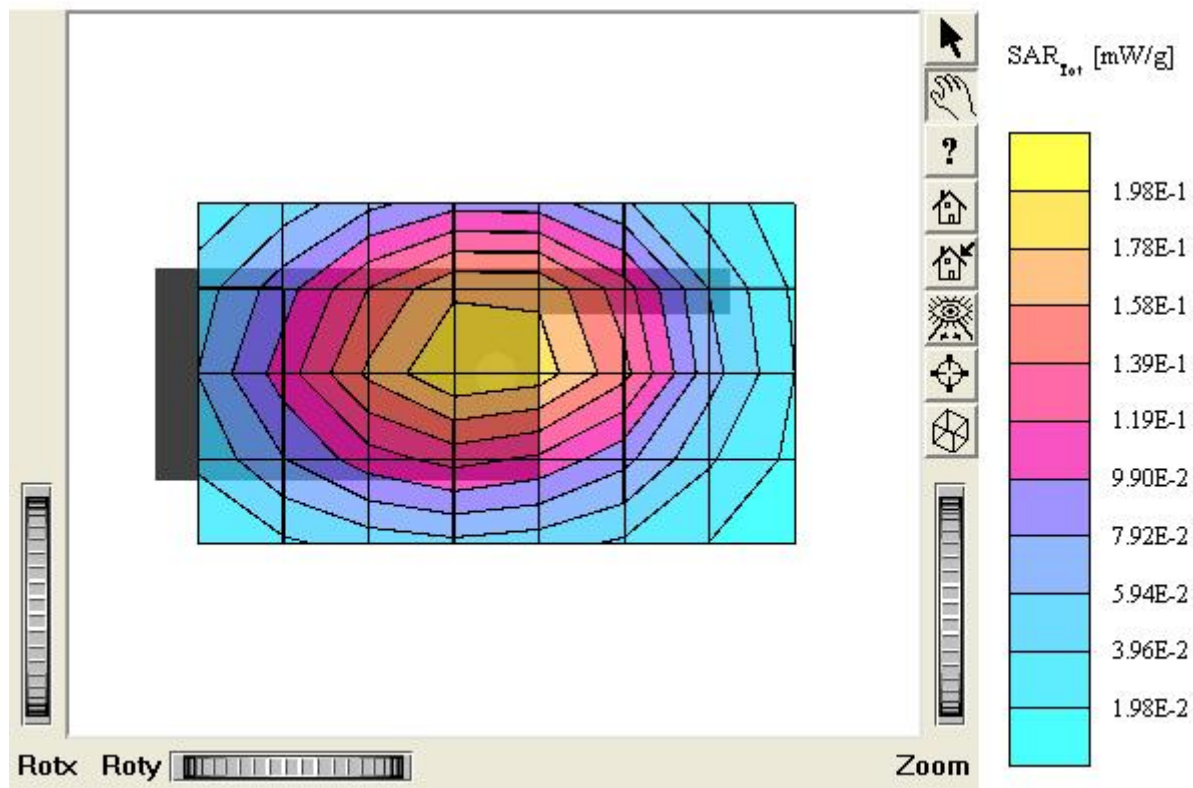
Face / Antenna: in (fixed)

Conducted Power: 0.59W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR(1g): 1.61 mW/g, SAR(10g): 1.13 mW/g

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

Peak: 2.35 mW/g; Powerdrift: -0.79 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

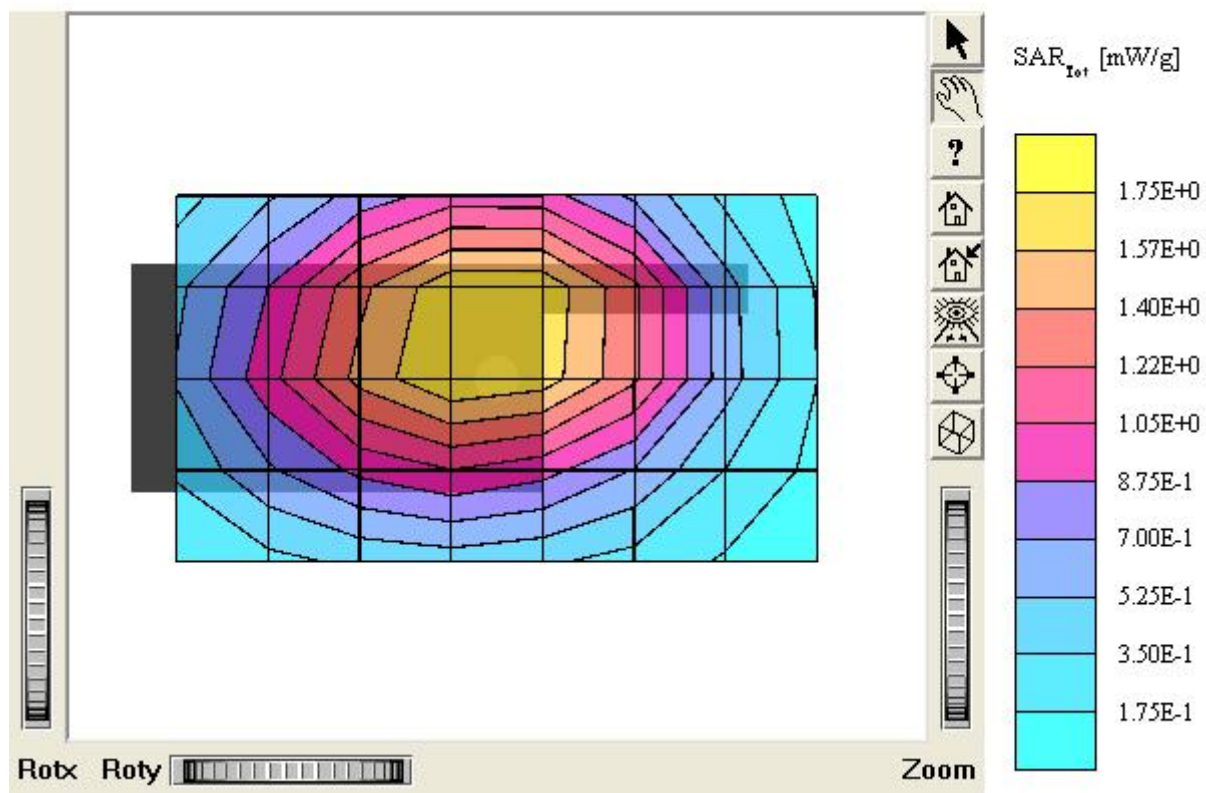
Face / Antenna: in (fixed)

Conducted Power: 2.37W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.48 mW/g, SAR (10g): 1.04 mW/g

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

Peak: 2.17 mW/g; Powerdrift: -0.87 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

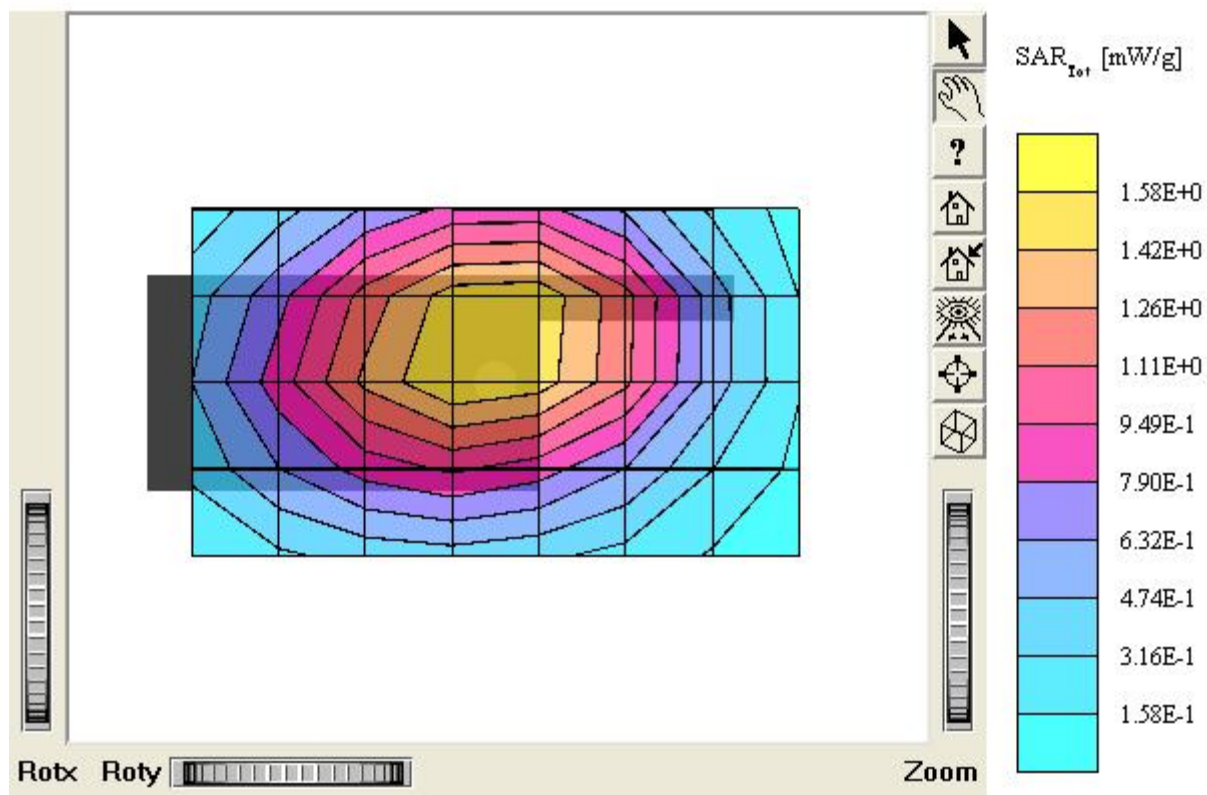
Face / Antenna: in (fixed)

Conducted Power: 2.39W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69, 7.69, 7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86 \text{ mho/m}$ $\epsilon_r = 43.8$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR(1g): 1.65 mW/g; SAR(10g): 1.16 mW/g

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

Peak: 2.42 mW/g; Powerdrift: -0.44 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

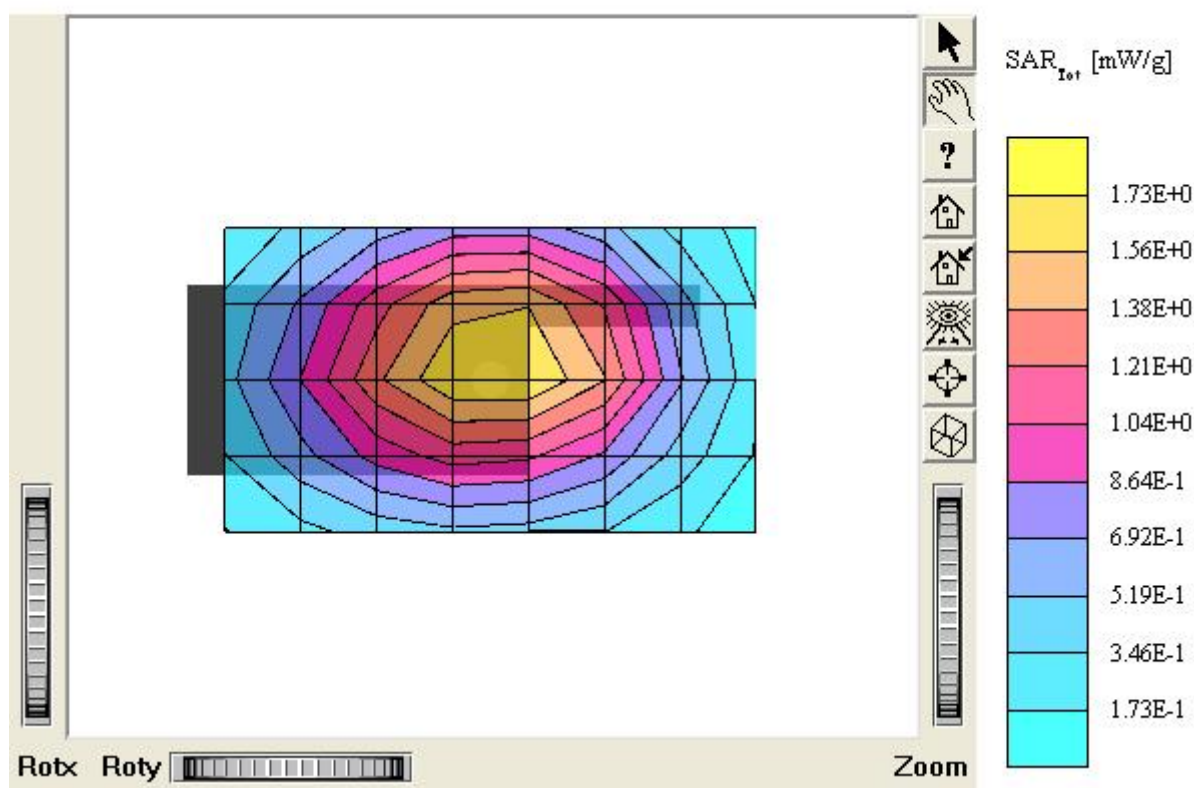
Face / Antenna: in (fixed)

Conducted Power: 2.20W (Battery Type: Charging Battery)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.94 mW/g, SAR (10g): 1.34 mW/g

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

Peak: 2.92 mW/g; Powerdrift: -0.76 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

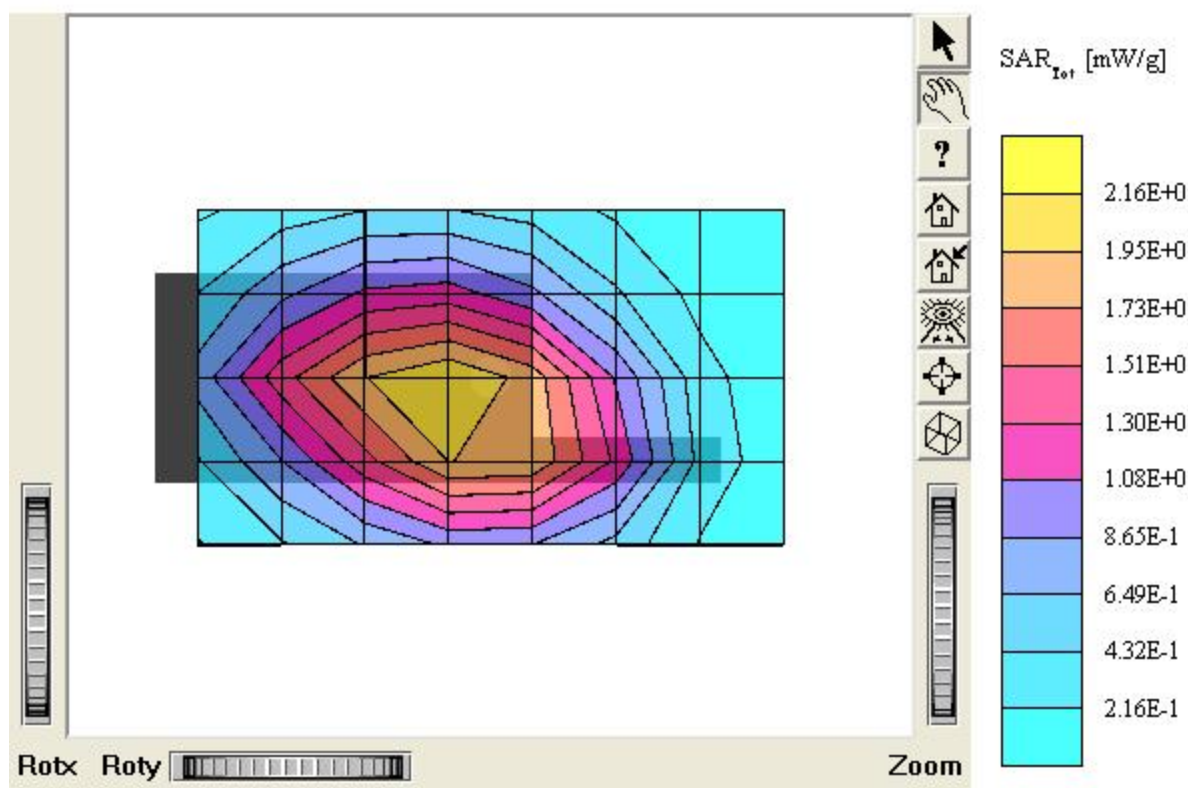
Body / Antenna: in (fixed)

Conducted Power: 2.44W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.23 mW/g, SAR (10g): 1.54 mW/g

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

Peak: 3.33 mW/g; Powerdrift: -0.68 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

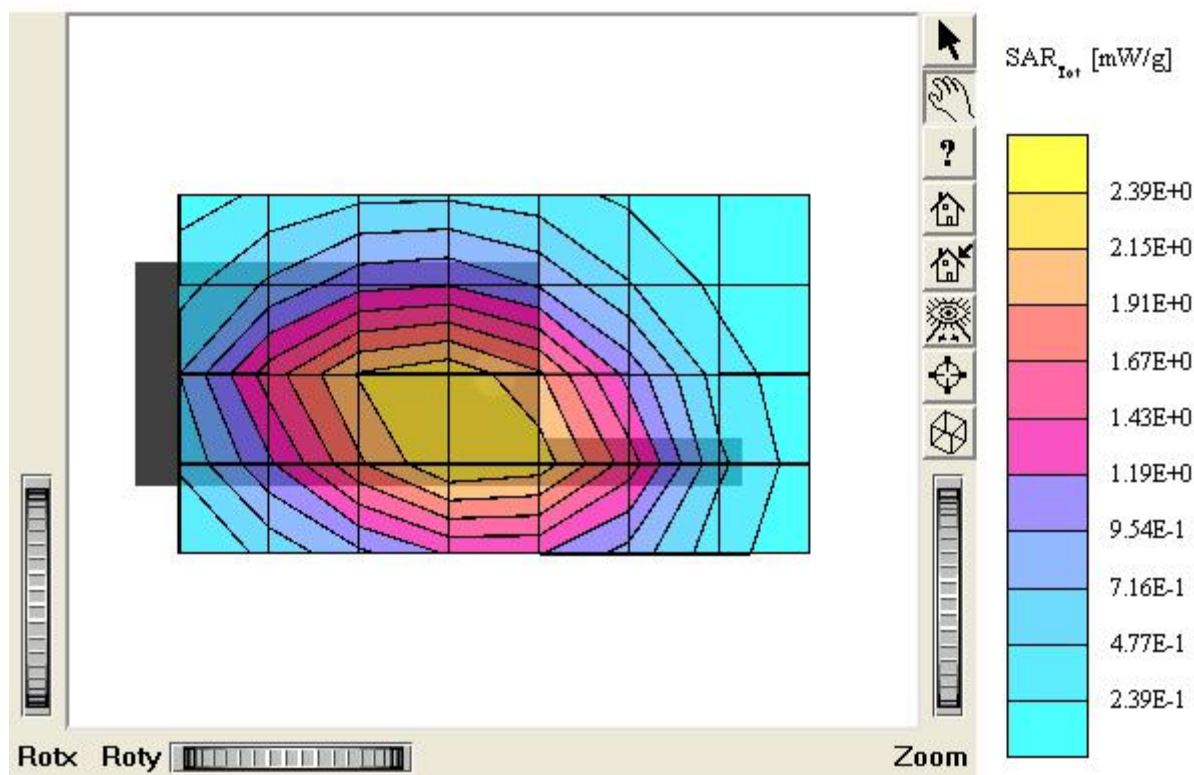
Body / Antenna: in (fixed)

Conducted Power: 2.42W (Battery Type: Energizer)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.01 mW/g, SAR (10g): 1.38 mW/g

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

Peak: 3.02 mW/g; Powerdrift: -0.55 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

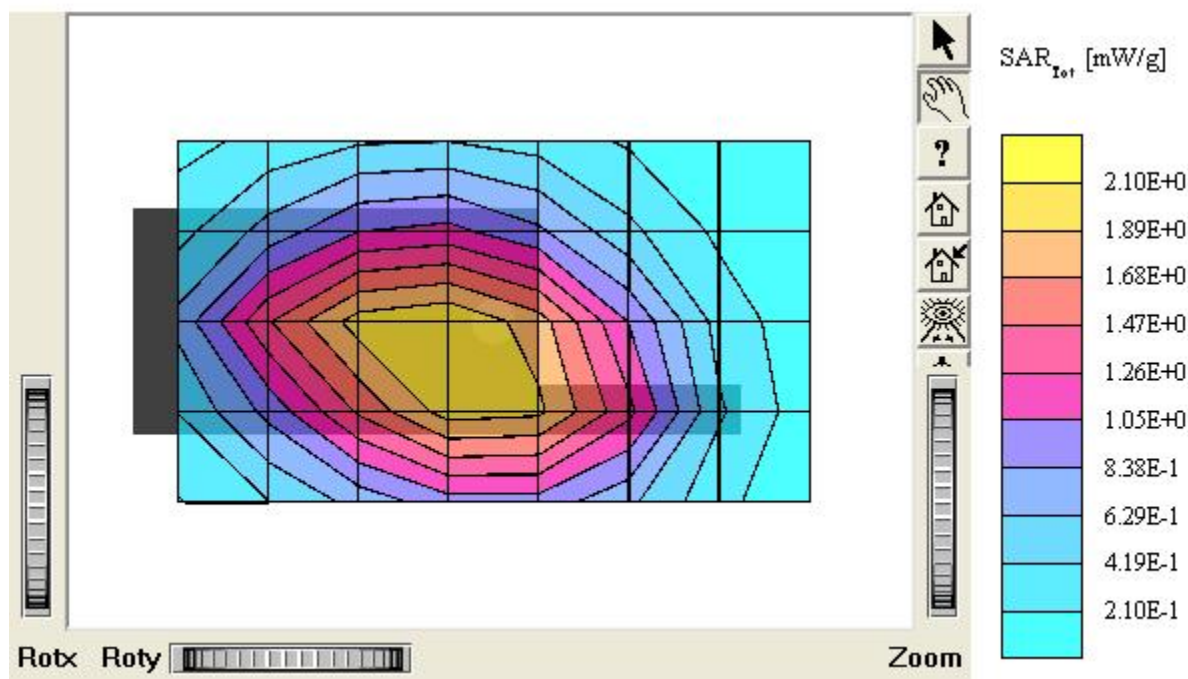
Body / Antenna: in (fixed)

Conducted Power: 2.40W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.246 mW/g; SAR (10g): 0.171 mW/g

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

Peak: 0.363 mW/g; Powerdrift: -0.62 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

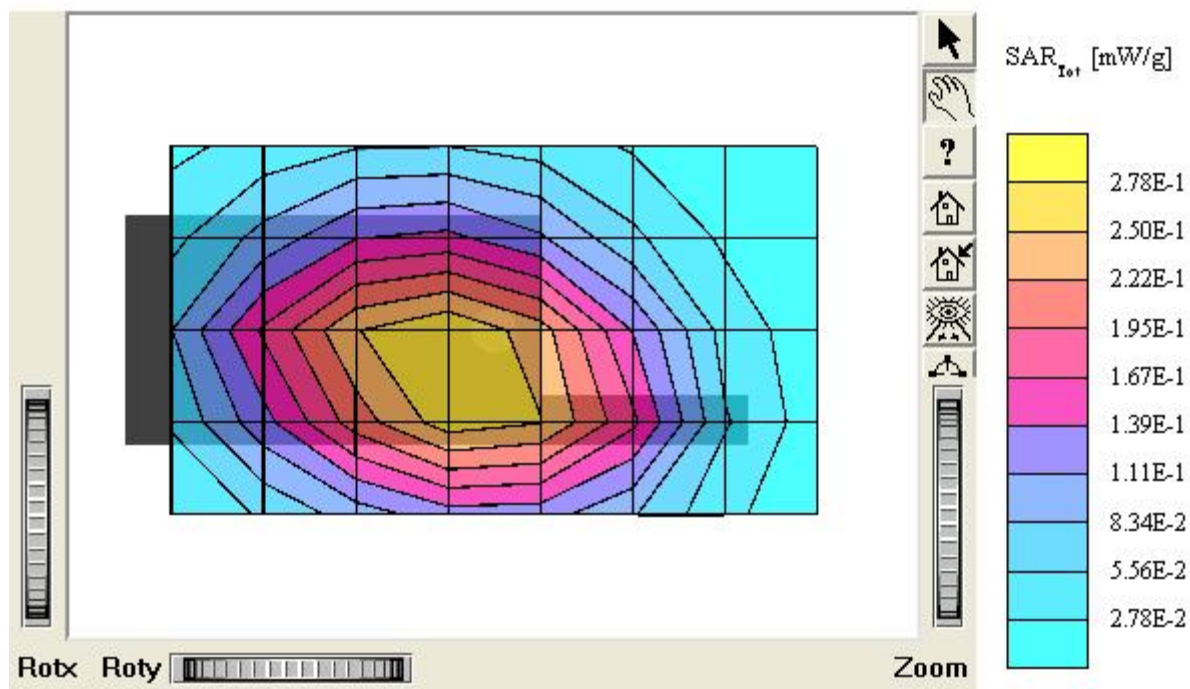
Body / Antenna: in (fixed)

Conducted Power: 0.60W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91 \text{ mho/m}$, $\epsilon_r = 54.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 2.26 mW/g, SAR(10g): 1.56 mW/g

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

Peak: 3.36 mW/g; Powerdrift: -0.81 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

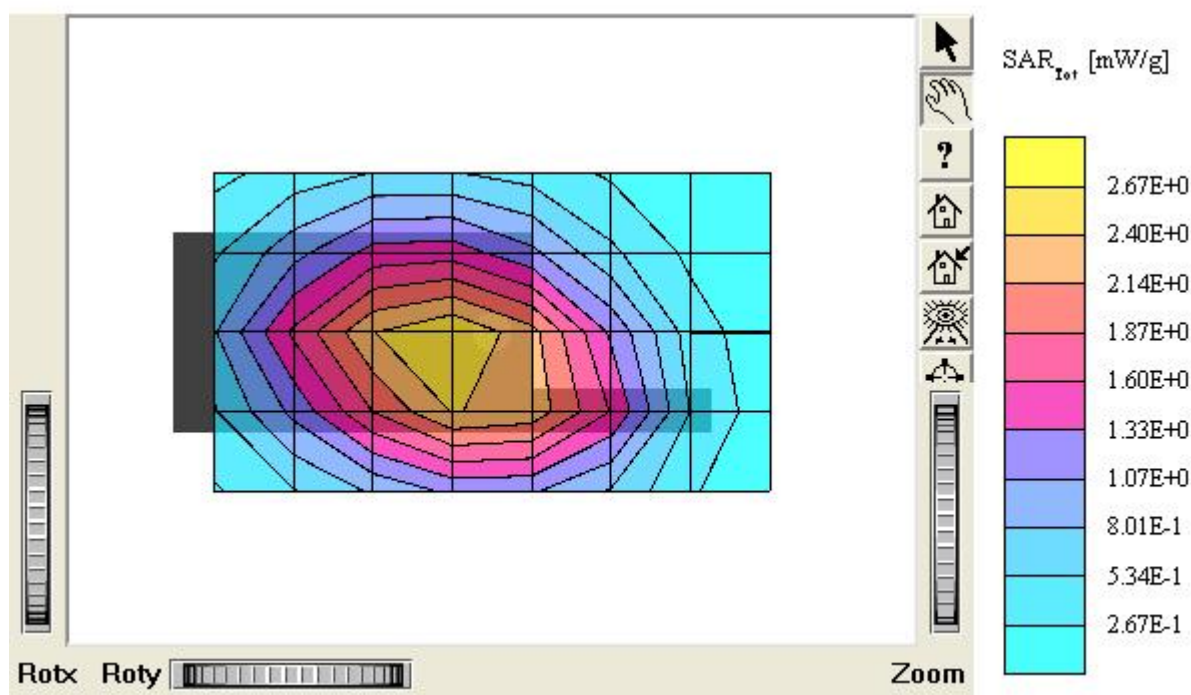
Body / Antenna: in (fixed)

Conducted Power: 2.41 W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.23 mW/g, SAR (10g): 1.54 mW/g

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

Peak: 3.33 mW/g; Powerdrift: -0.76 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

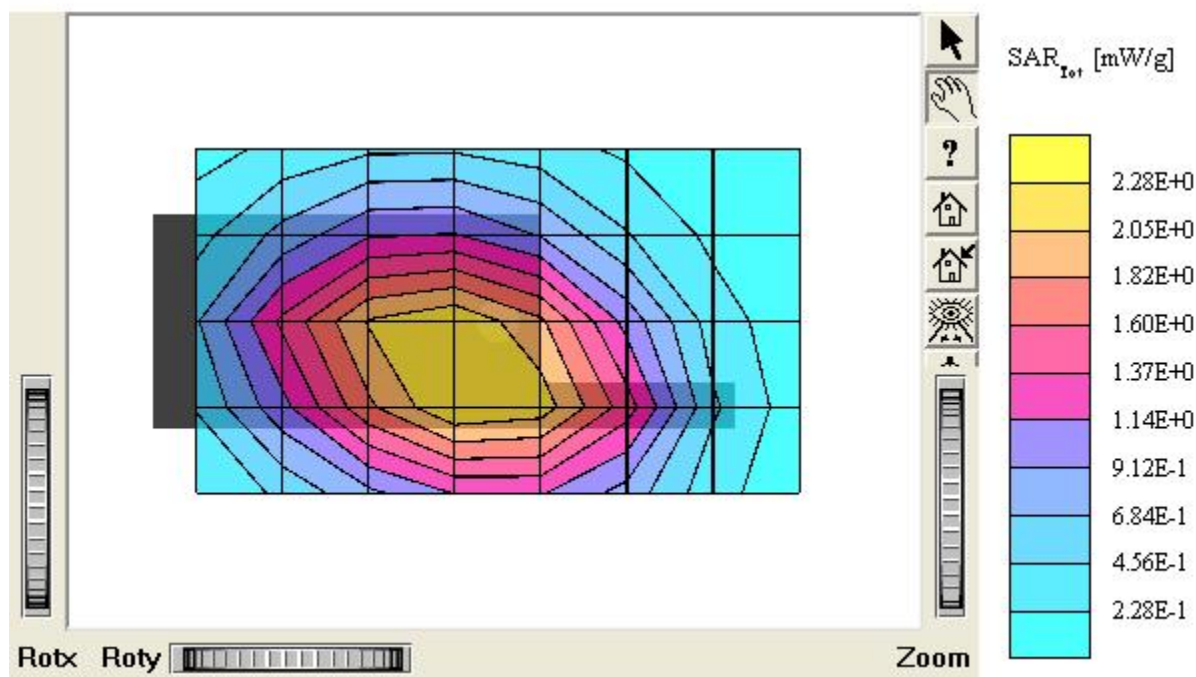
Body / Antenna: in (fixed)

Conducted Power: 2.40W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.23 mW/g, SAR (10g): 1.54 mW/g

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

Peak: 3.34 mW/g; Powerdrift: -0.61 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

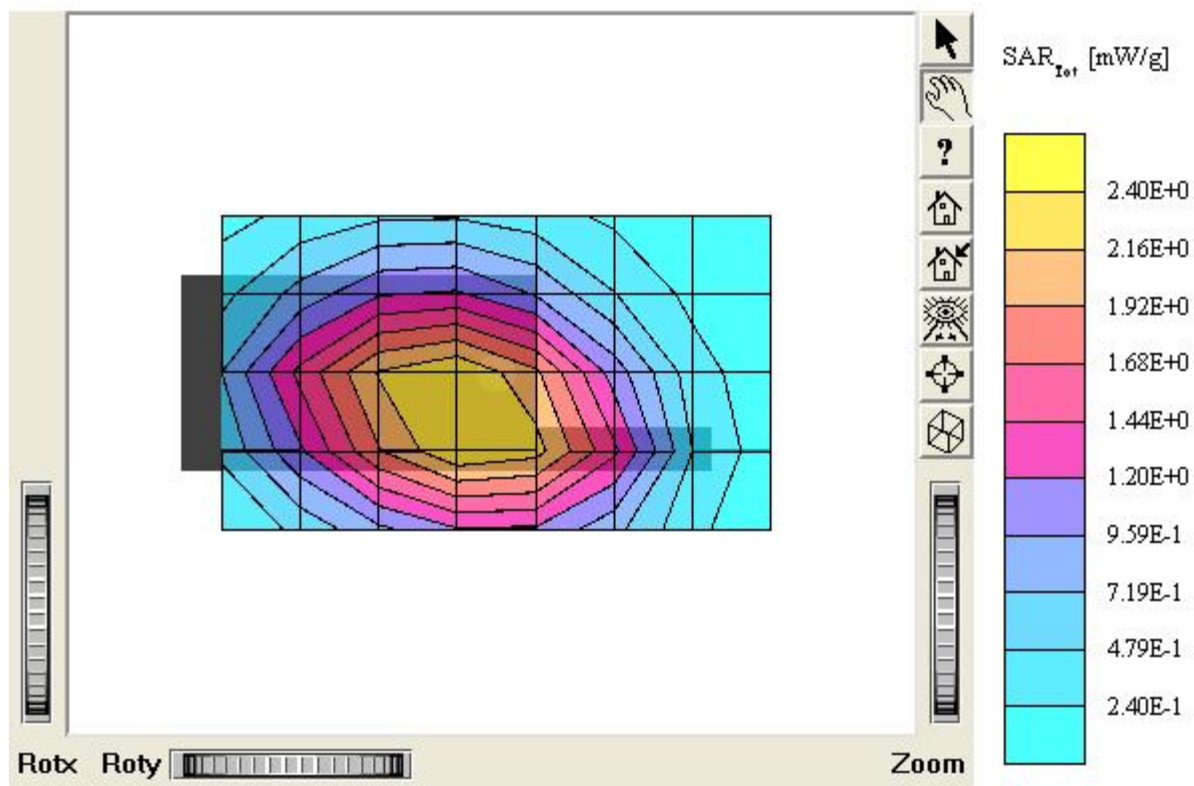
Body / Antenna: in (fixed)

Conducted Power: 2.22W (Battery Type: Charging Battery)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.27 mW/g, SAR (10g): 1.58 mW/g

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

Peak: 3.37 mW/g; Powerdrift: -0.78 dB

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

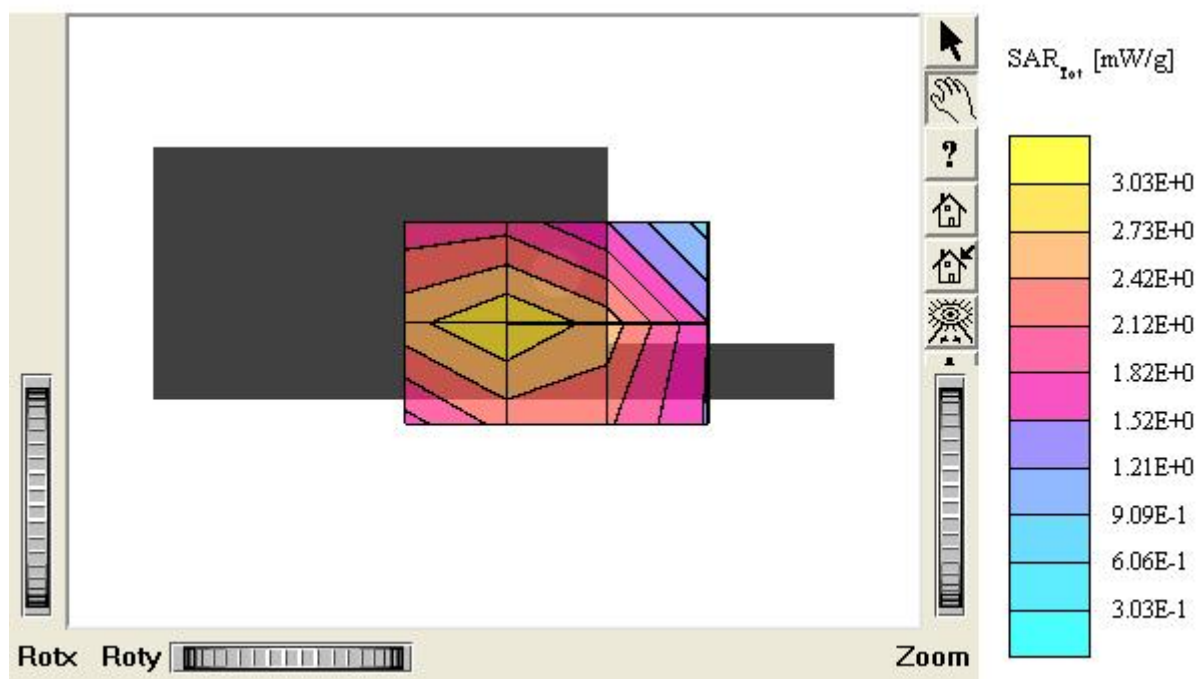
Face / Antenna: in (fixed)

Conducted Power : 2.39W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Face)

SAM II Phantom; Section; Position: ; Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.86 \text{ mho/m}$ $\epsilon_r = 43.8$ $\rho = 1.00 \text{ g/cm}^3$

:

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

:

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

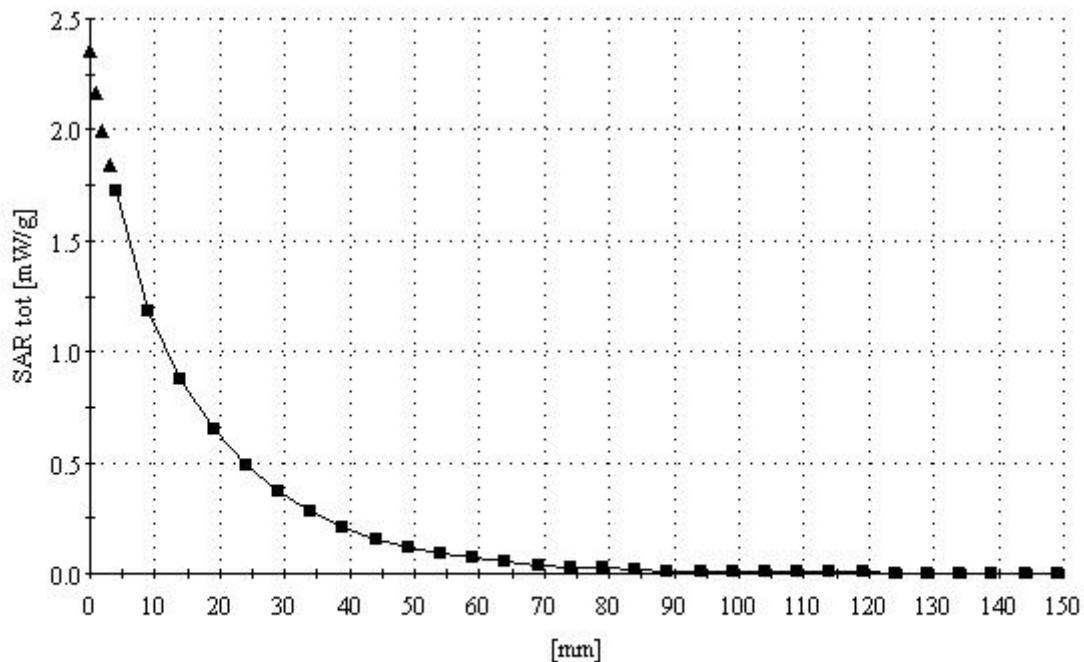
Face / Antenna: in (fixed)

Conducted Power: 2.20W (Battery Type: Charging Battery)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005



GMRS200 (Body)

SAM II Phantom; Section; Position: ; Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.91$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

:

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

:

Comment :

FCC ID : PDHGMRS200

Company: TTI TECH CO., LTD.

Body / Antenna: in (fixed)

Conducted Power: 2.41 W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.9 °C

Date Tested: June 28, 2005

