

APPENDIX A – SAR TEST PLOTS

GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.70 mW/g, SAR (10g): 1.18 mW/g

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

Powerdrift: -1.46 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

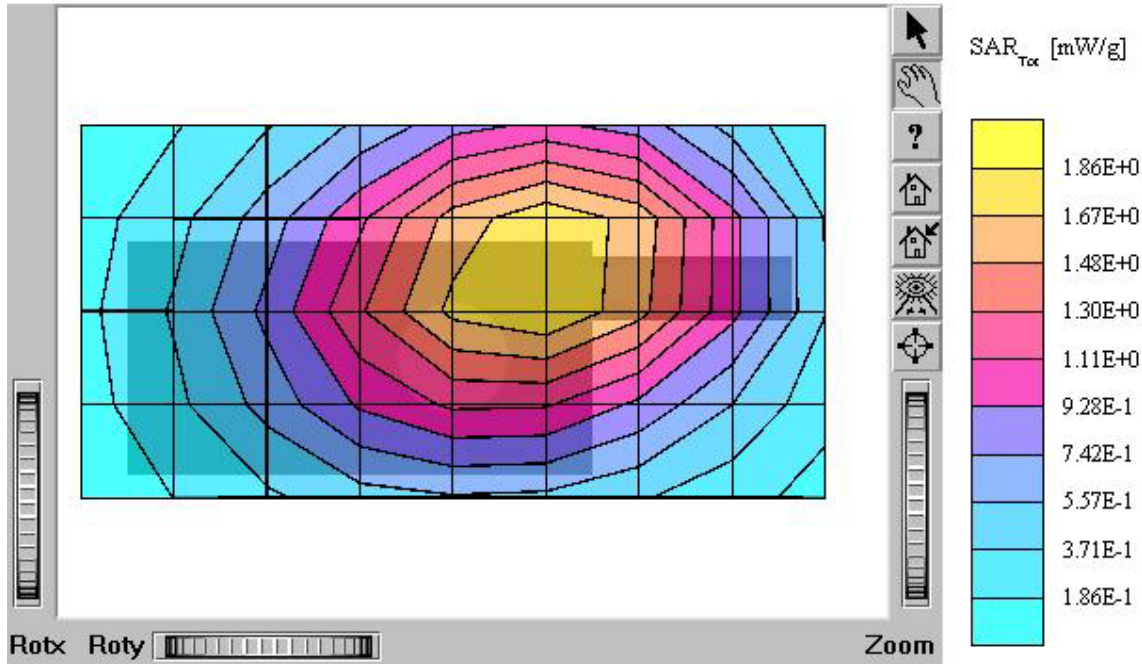
Face / Antenna: in (fixed)

Conducted Power : 3.14W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.65 mW/g, SAR (10g): 1.15 mW/g

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

Powerdrift: -1.33 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

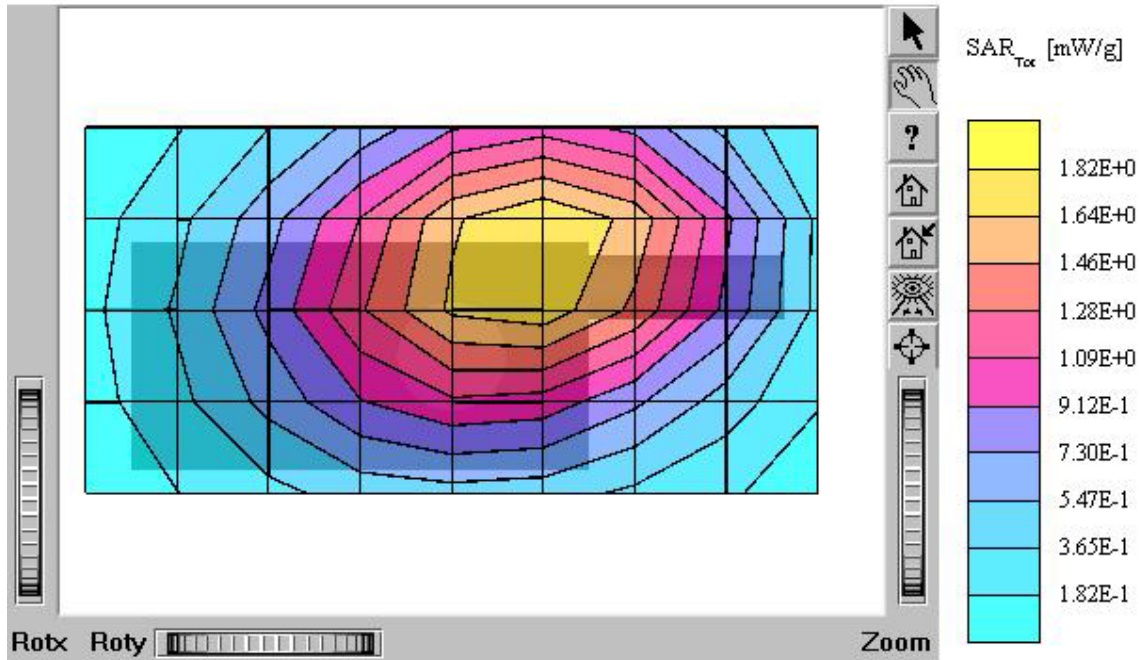
Face / Antenna: in (fixed)

Conducted Power: 3.17W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.70 mW/g, SAR (10g): 1.18 mW/g

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

Powerdrift: -1.31 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

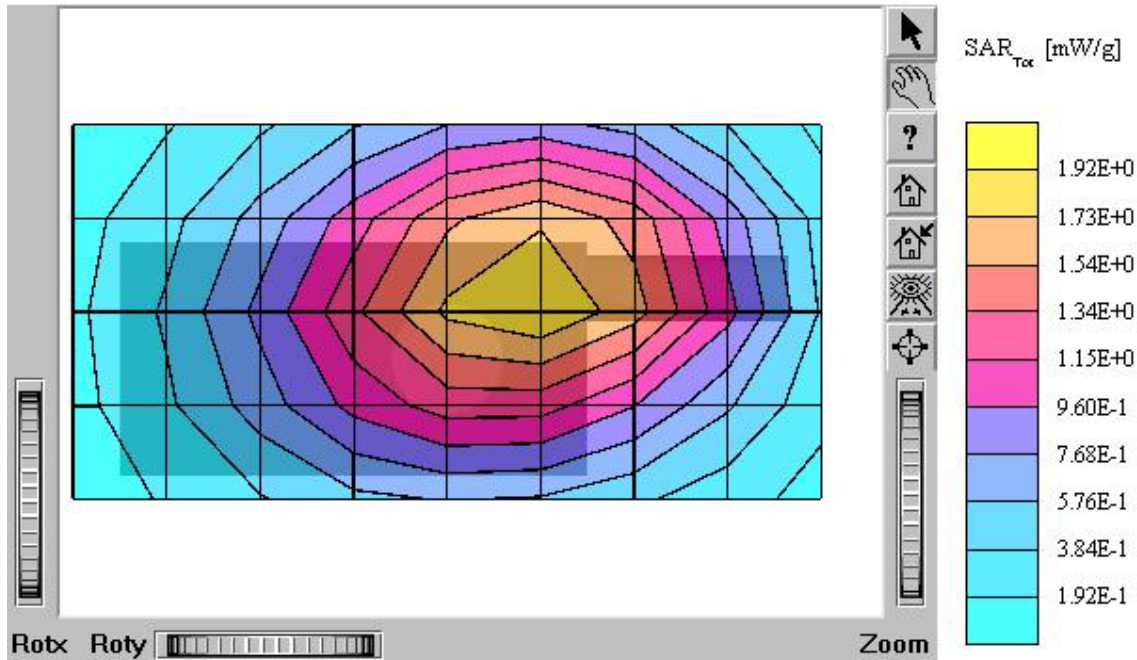
Face / Antenna: in (fixed)

Conducted Power: 3.15W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.03 mW/g, SAR (10g): 0.718 mW/g

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

Powerdrift: -0.95 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

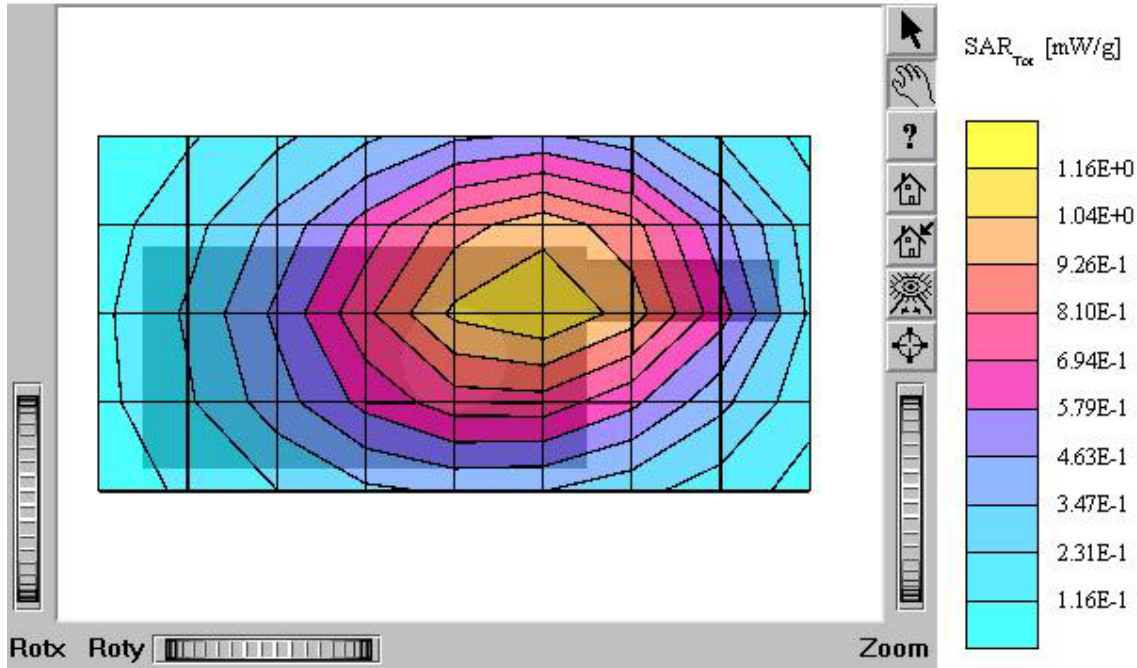
Face / Antenna: in (fixed)

Conducted Power: 0.92W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.66 mW/g, SAR (10g): 1.16 mW/g * Max outside

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

Powerdrift: -1.57 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

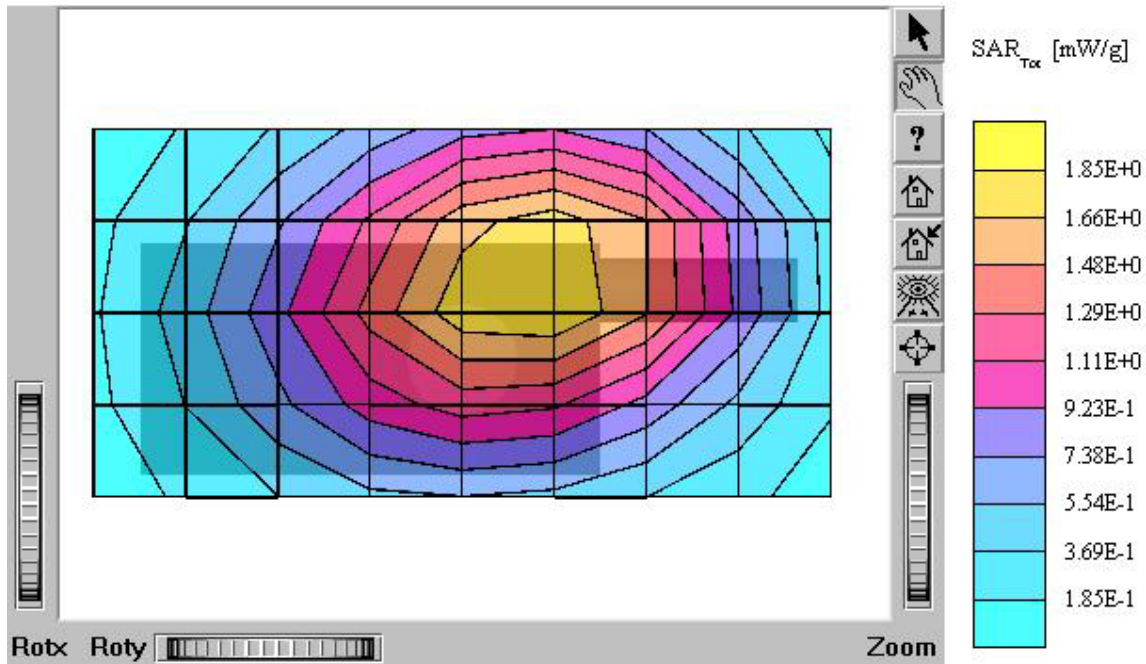
Face / Antenna: in (fixed)

Conducted Power: 3.15W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.59 mW/g, SAR (10g): 1.11 mW/g

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

Powerdrift: -1.34 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

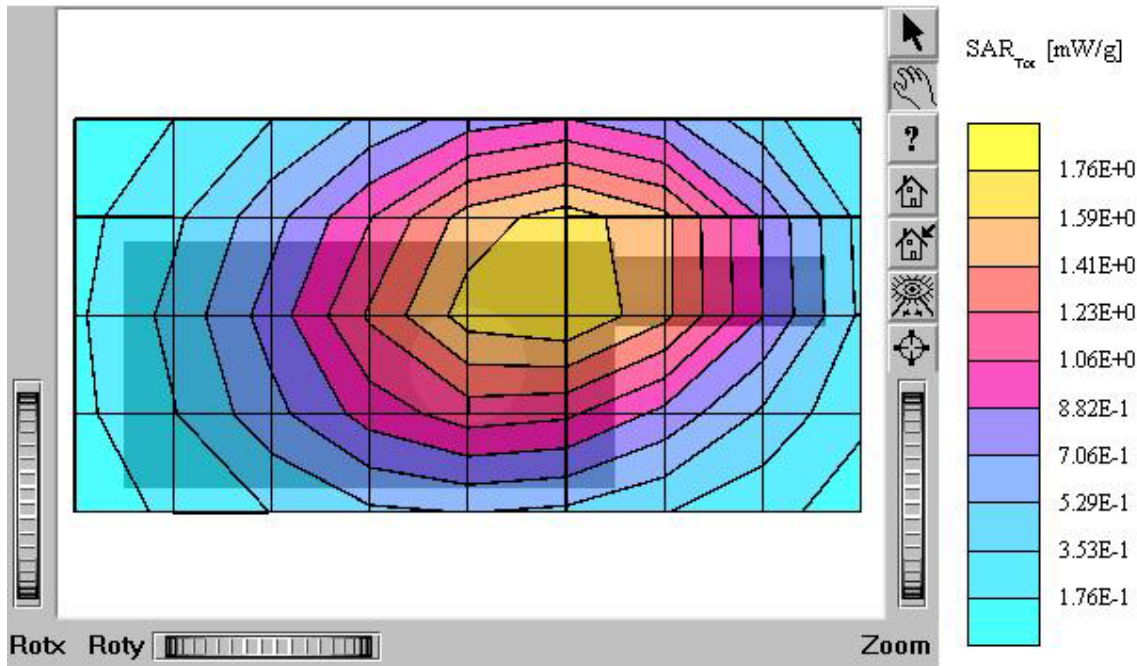
Face / Antenna: in (fixed)

Conducted Power: 3.14W (Battery Type: Duracell)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.977 mW/g, SAR (10g): 0.684 mW/g

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

Powerdrift: -0.83 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

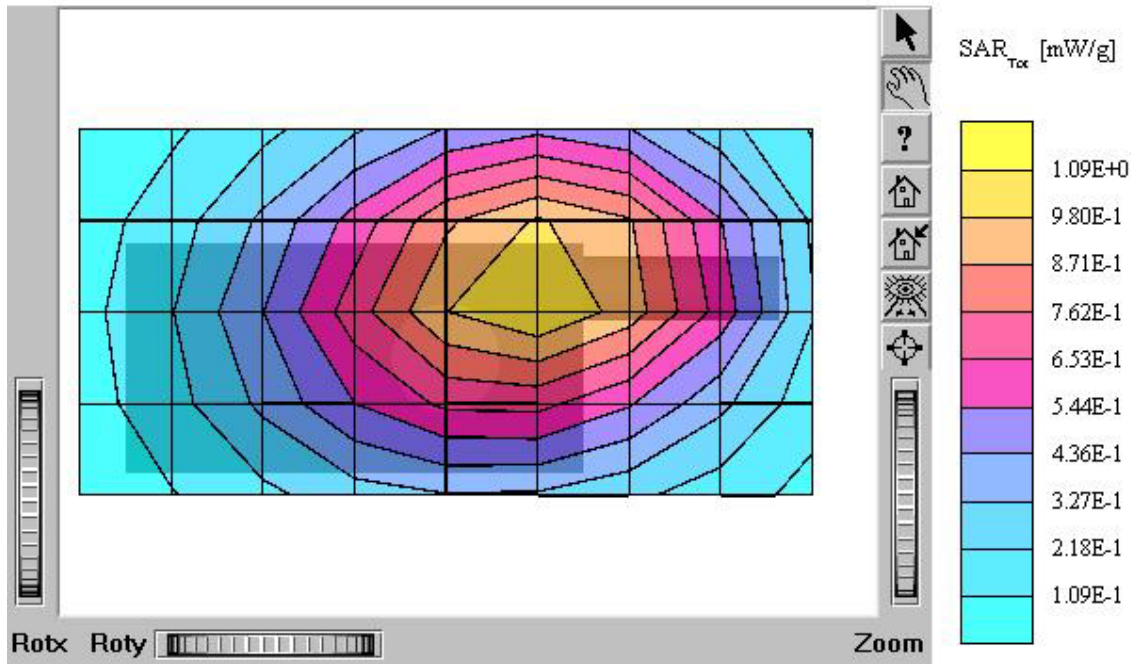
Face / Antenna: in (fixed)

Conducted Power: 0.9W (Battery Type:Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.936 mW/g, SAR (10g): 0.653 mW/g

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

Powerdrift: -0.98 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

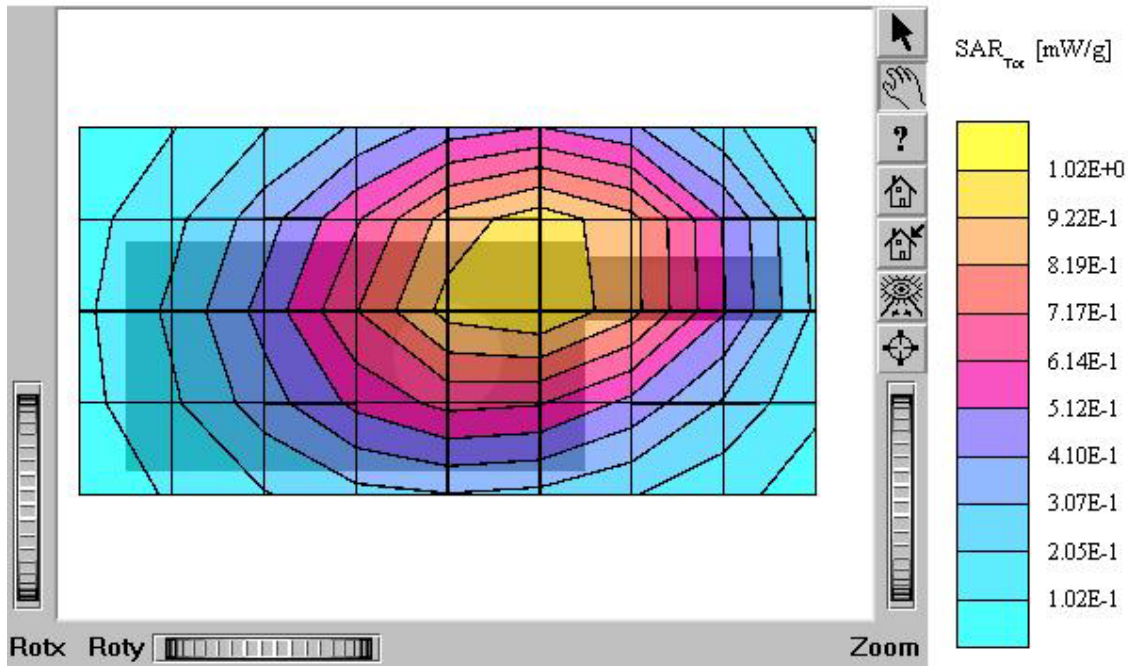
Face / Antenna: in (fixed)

Conducted Power: 0.82W (Battery Type: Duracell)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS-7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60, 7.60, 7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.80 mW/g, SAR (10g): 1.26 mW/g

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

Powerdrift: -1.72 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

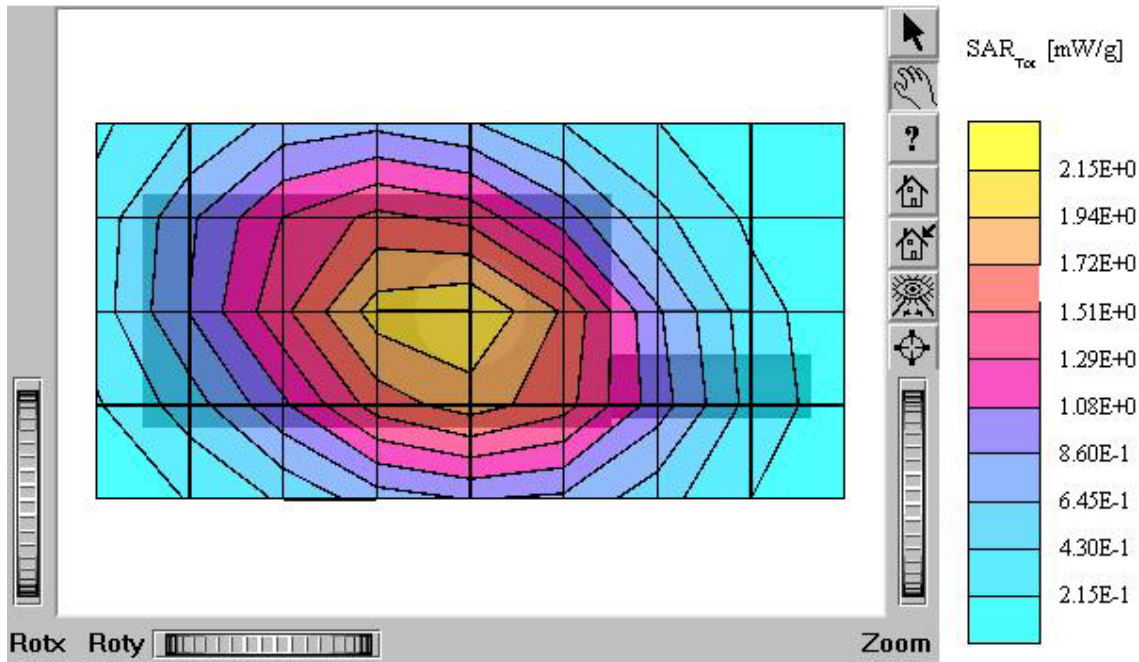
Body / Antenna: in (fixed)

Conducted Power : 3.18W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60, 7.60, 7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.89 mW/g, SAR (10g): 1.33 mW/g

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

Powerdrift: -1.76 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

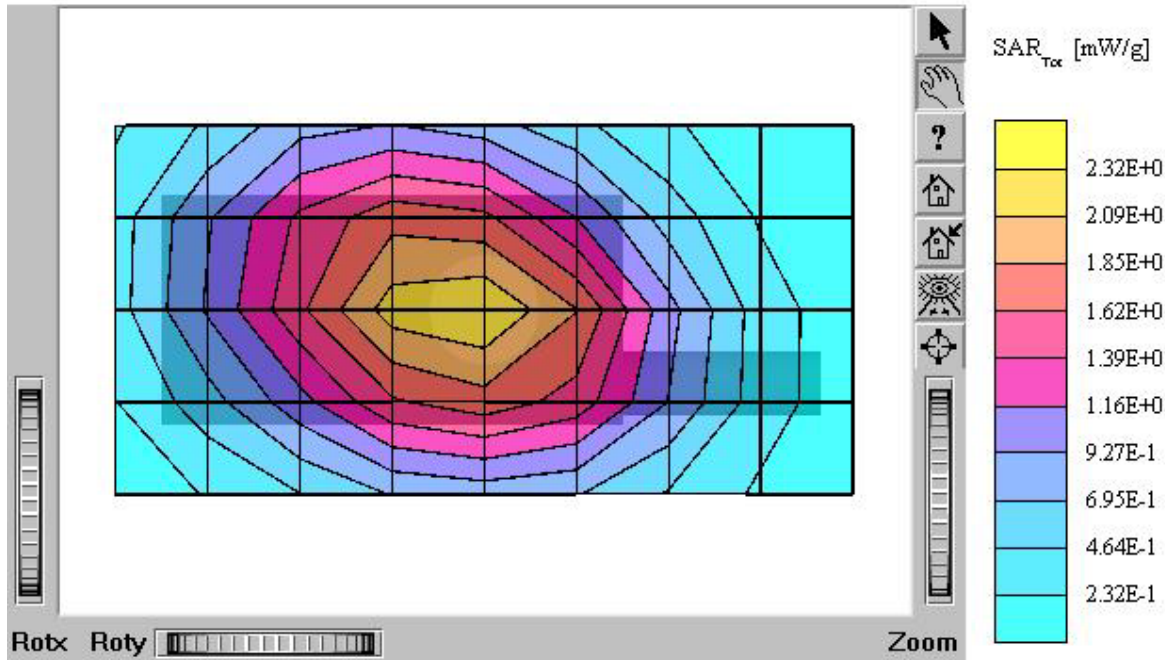
Body / Antenna: in (fixed)

Conducted Power: 3.15W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

SAM 1 Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.60, 7.60, 7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.84 mW/g, SAR (10g): 1.30 mW/g

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

Powerdrift: -1.60 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

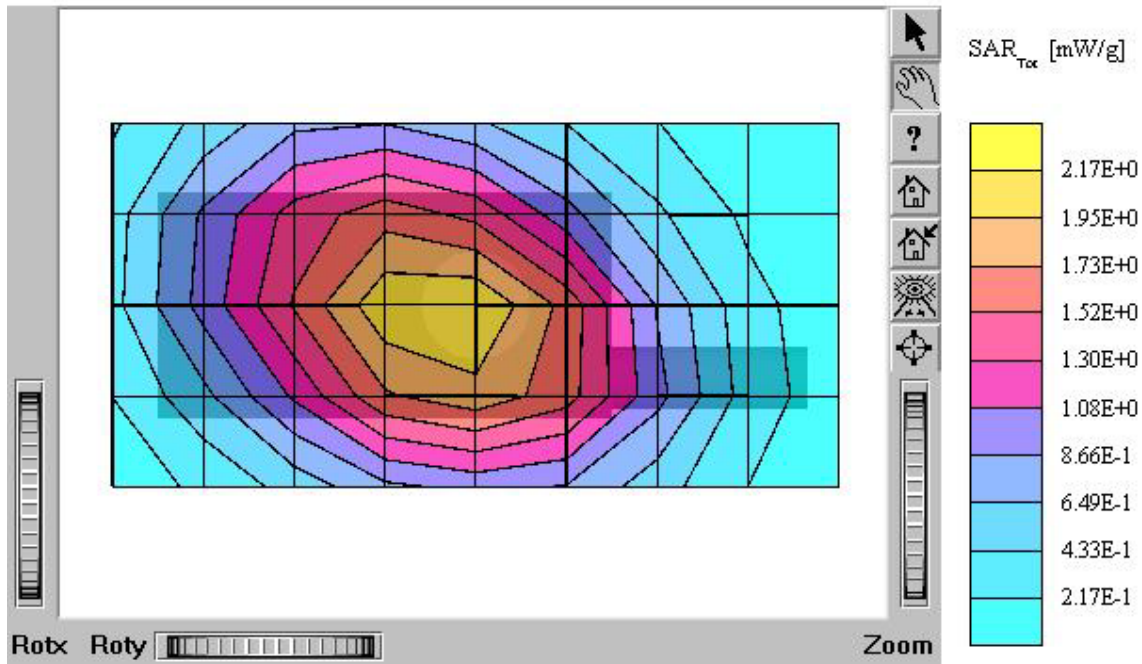
Body / Antenna: in (fixed)

Conducted Power: 3.16W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.15 mW/g, SAR (10g): 0.806 mW/g

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

Powerdrift: -0.94 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

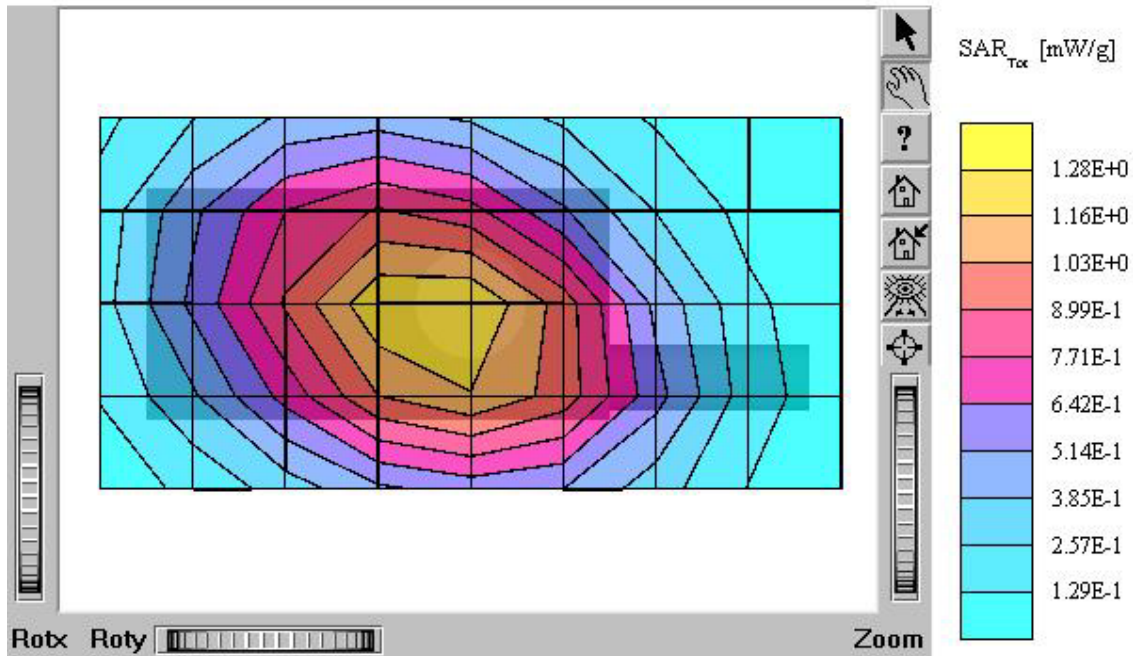
Body / Antenna: in (fixed)

Conducted Power: 0.94W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.77 mW/g, SAR (10g): 1.25 mW/g

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

Powerdrift: -1.75 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

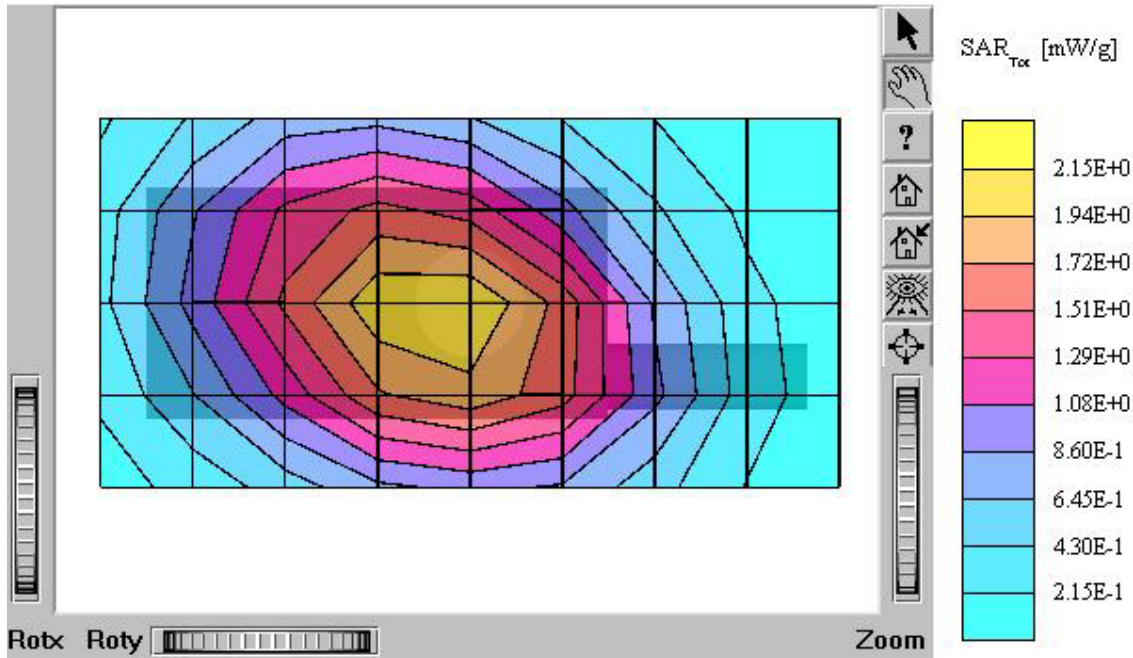
Body / Antenna: in (fixed)

Conducted Power: 2.96W (Battery Type: Energizer)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60, 7.60, 7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.74 mW/g, SAR (10g): 1.22 mW/g

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

Powerdrift: -1.58 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

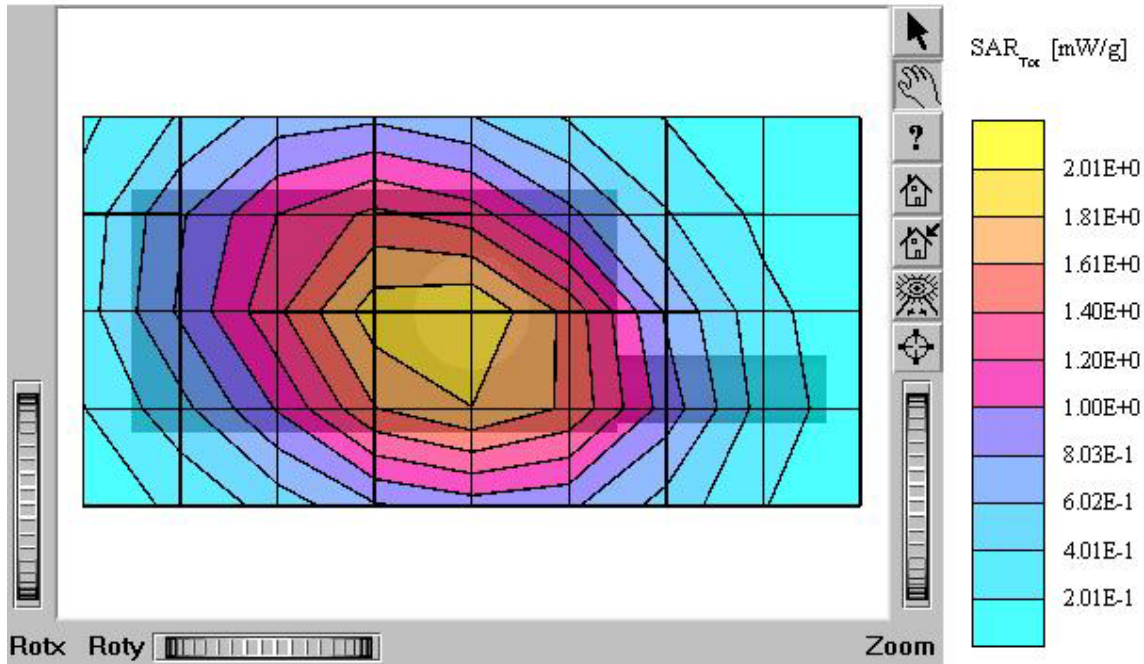
Body / Antenna: in (fixed)

Conducted Power: 3.02W (Battery Type: Duracell)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.21 mW/g, SAR (10g): 0.849 mW/g

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

Powerdrift: -1.05 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

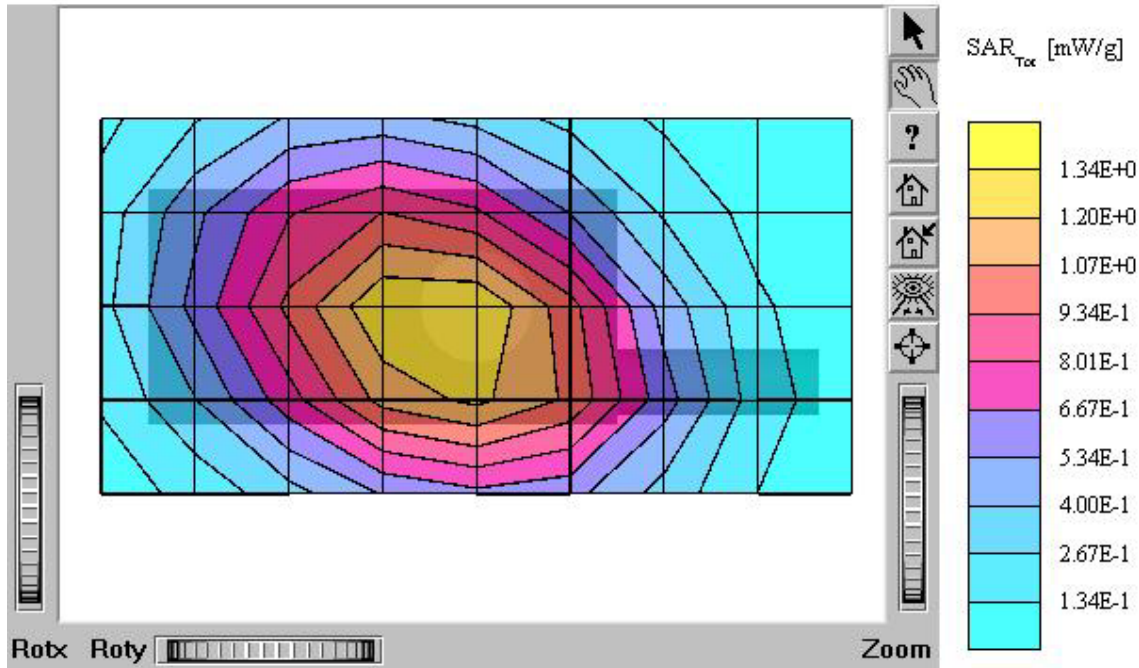
Body / Antenna: in (fixed)

Conducted Power: 0.91W (Battery Type:Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.916 mW/g, SAR (10g): 0.639 mW/g

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

Powerdrift: -0.79 dB

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

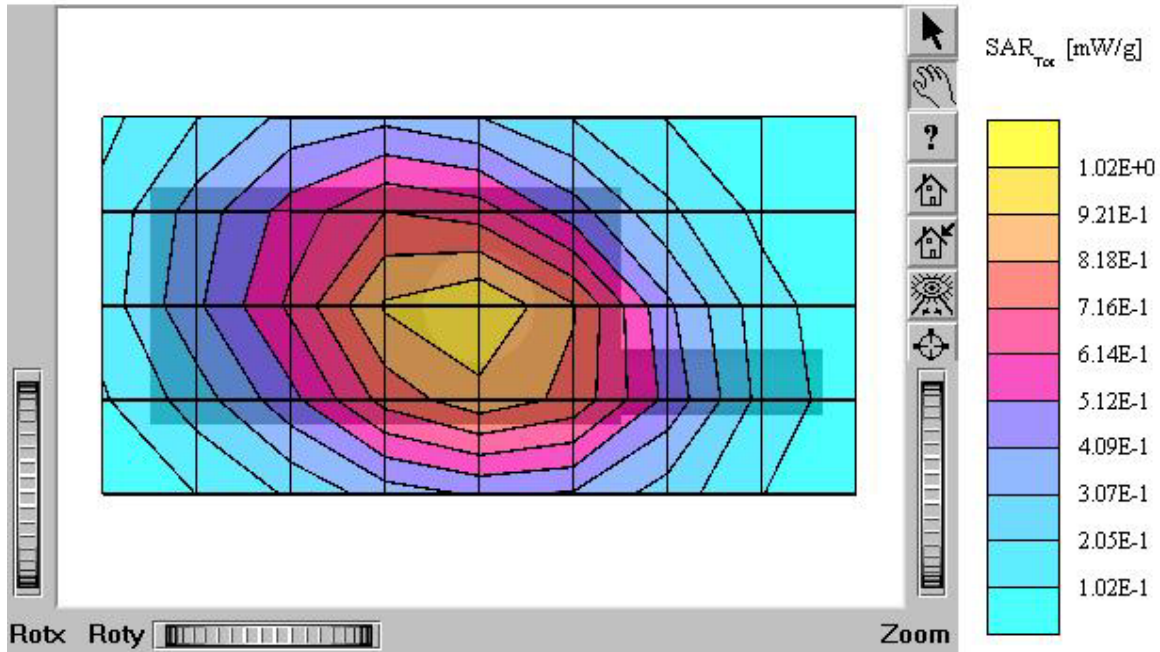
Body / Antenna: in (fixed)

Conducted Power: 0.84W (Battery Type: Duracell)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.70 mW/g, SAR (10g): 1.18 mW/g

Cube 5x5x7; Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

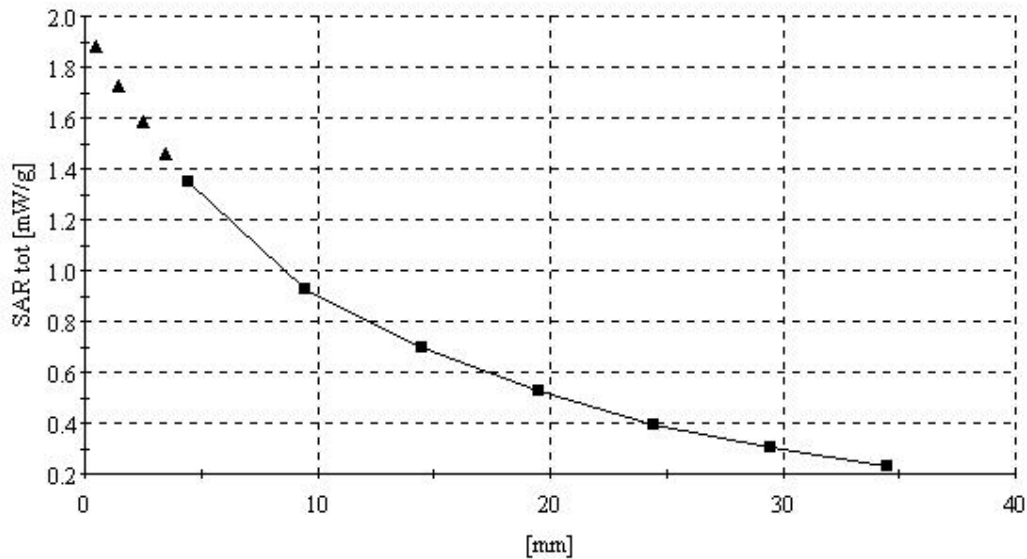
Face / Antenna: in (fixed)

Conducted Power : 3.14W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003



GMRS7001

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

Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 55.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.89 mW/g, SAR (10g): 1.33 mW/g

Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

FCC ID : PDHGMRS7001

Company: TTI TECH CO., LTD.

Body / Antenna: in (fixed)

Conducted Power: 3.15W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: March 7, 2003

