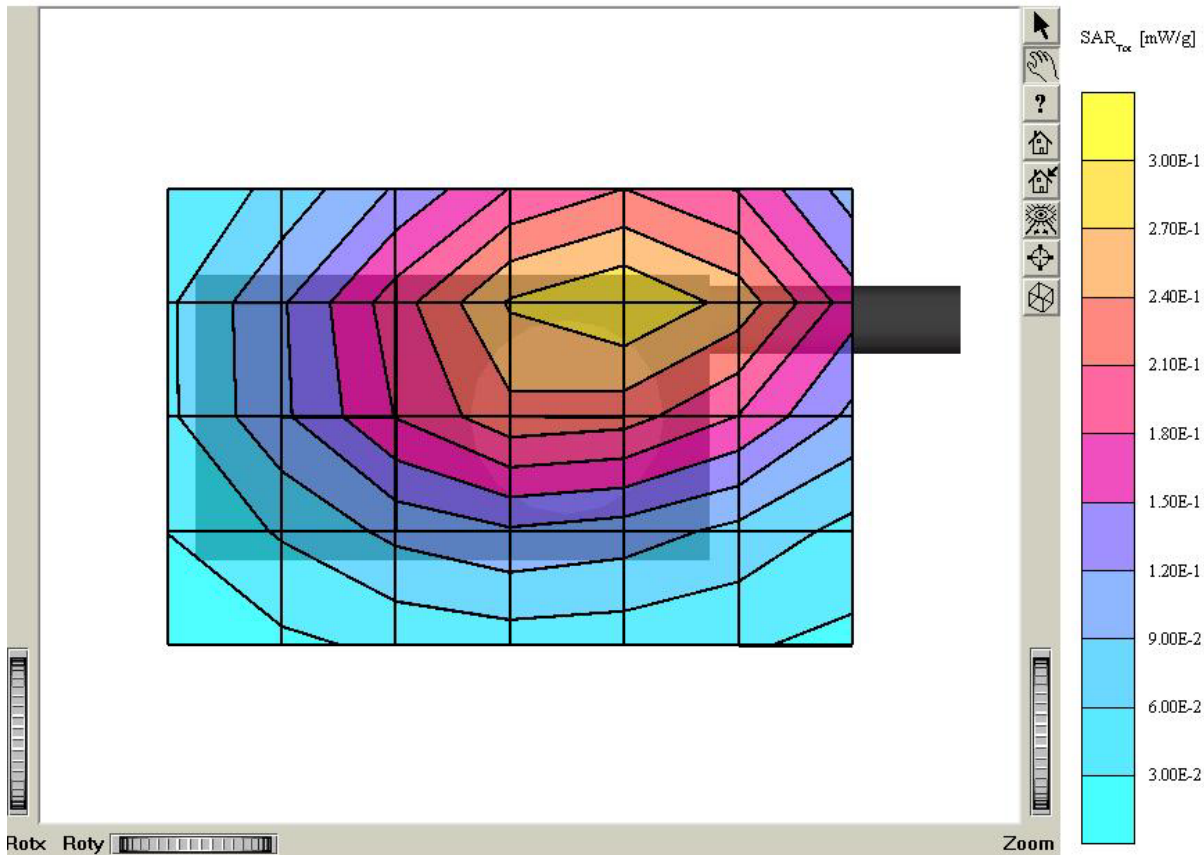


APPENDIX A – SAR TEST PLOTS

GMRS-122 (face)

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: $s = 0.86$ mho/m $\epsilon_r = 45.1$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.268 mW/g, SAR (10g): 0.188 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.62 dB
Comment:
FCC ID : PDHGMRS122
Company: TTI TECH CO., LTD.
Face / Antenna: in (fixed)
Conducted Power: 2.02W (Battery Type: Alcava)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature: 21.7 °C
Date Tested: December 23, 2002



GMRS-122 (face)

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: $s = 0.86 \text{ mho/m}$, $\epsilon_r = 45.1$, $r = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.261 mW/g, SAR (10g): 0.184 mW/g

Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$

: Powerdrift: -0.51 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

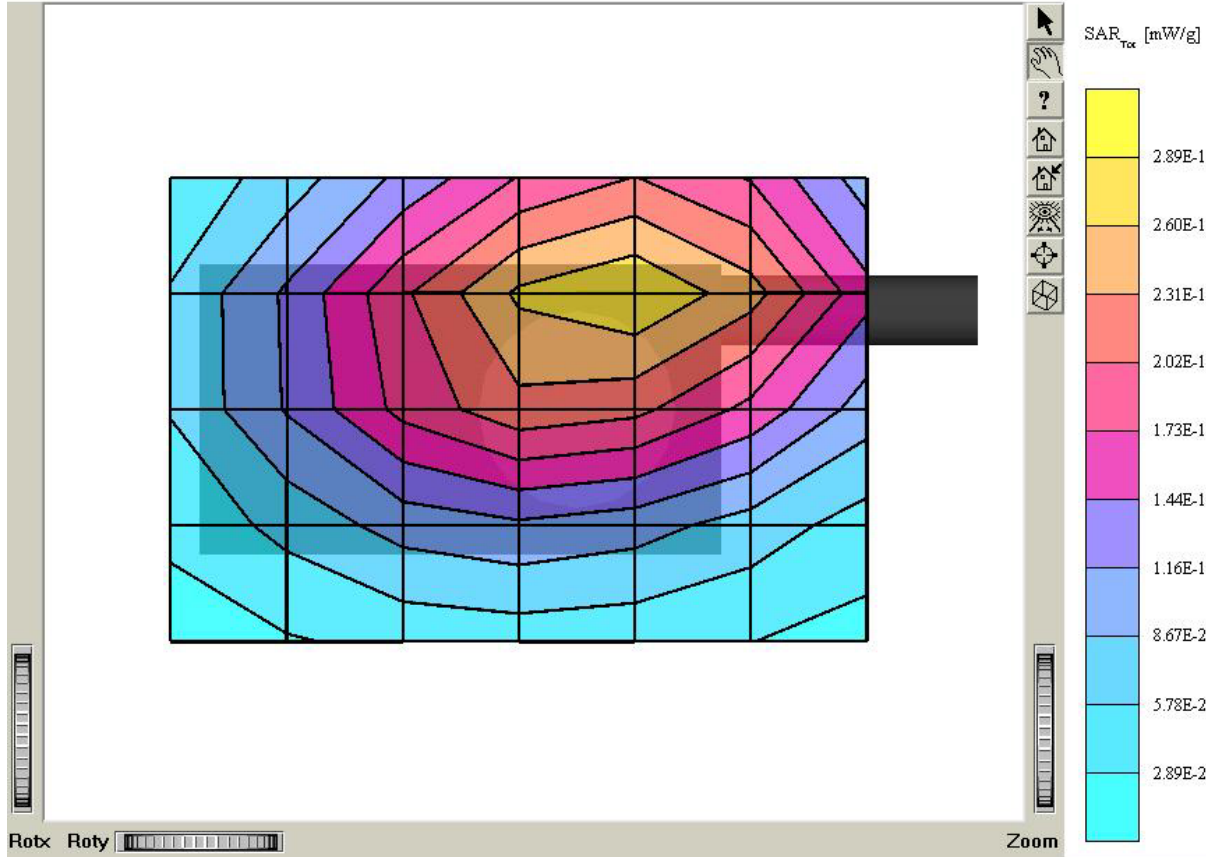
Face / Antenna: in (fixed)

Conducted Power: 2.01W (Battery Type: Alcava)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

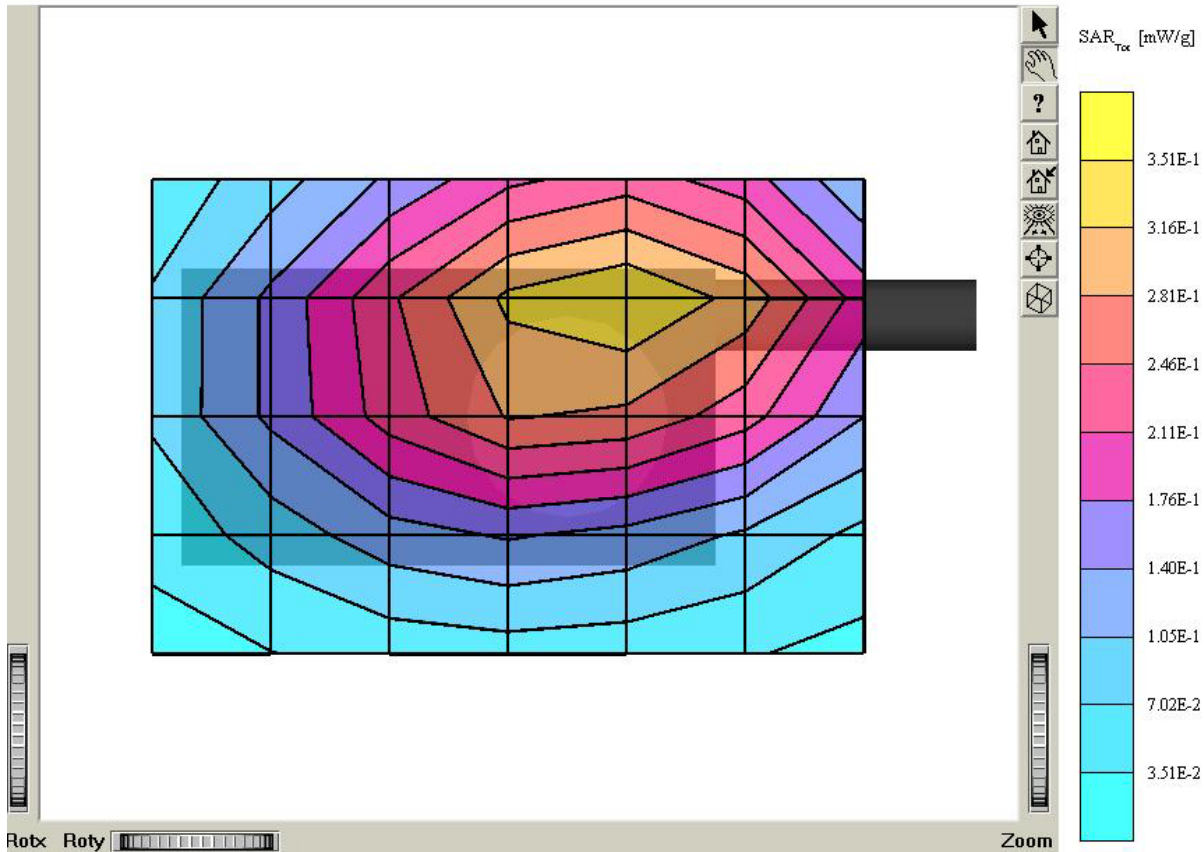
Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (face)

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: $s = 0.86 \text{ mho/m}$, $e_r = 45.1$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.317 mW/g, SAR (10g): 0.224 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
: Powerdrift: -0.68 dB
Comment:
FCC ID : PDHGMRS122
Company: TTI TECH CO., LTD.
Face / Antenna: in (fixed)
Conducted Power: 2.03W (Battery Type: Alcava)
Mode: FM GMRS Channel: 15 (462.5500 MHz)
Liquid Temperature: 21.7 °C
Date Tested: December 23, 2002



GMRS-122 (face)

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: $\sigma = 0.86$ mho/m $\epsilon_r = 45.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.103 mW/g, SAR (10g): 0.0718 mW/g

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

Powerdrift: -0.46 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

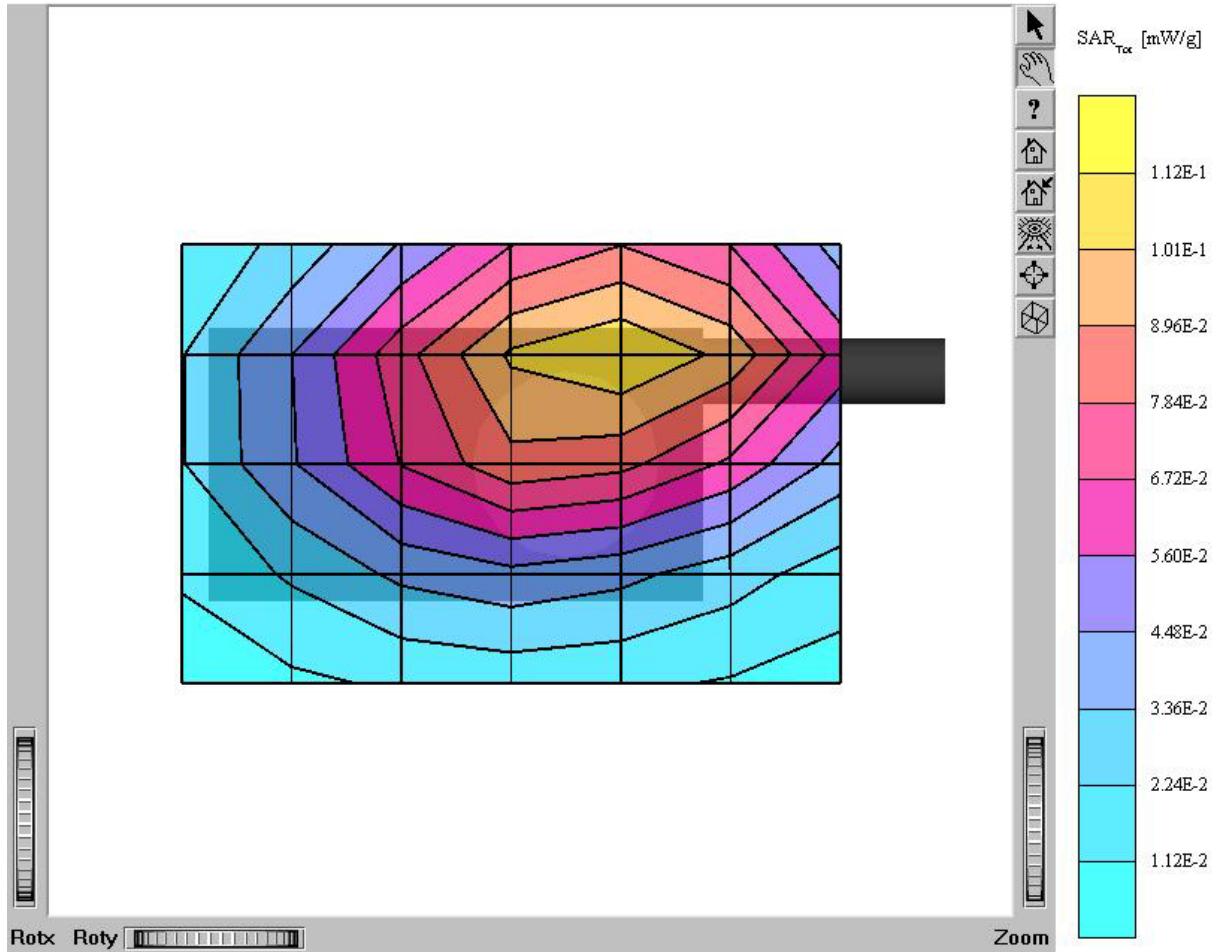
Face / Antenna: in (fixed)

Conducted Power: 0.768W (Battery Type: Alcava)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (face)

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: $\sigma = 0.86$ mho/m $\epsilon_r = 45.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.383 mW/g, SAR (10g): 0.270 mW/g

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

Powerdrift: -0.49 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

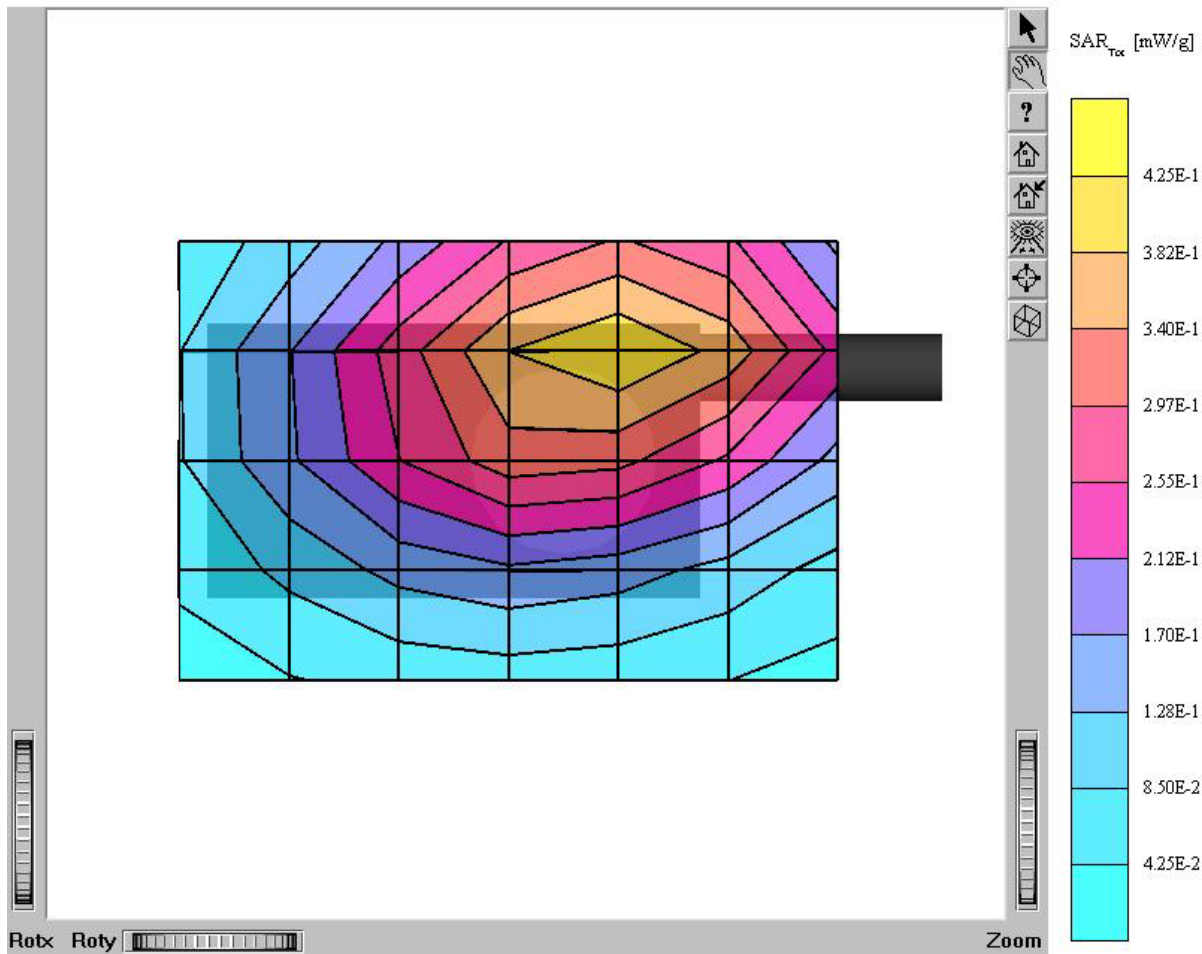
Face / Antenna: in (fixed)

Conducted Power: 2.04W (Battery Type: Energizer)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (face)

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: $\sigma = 0.86$ mho/m $\epsilon_r = 45.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.367 mW/g, SAR (10g): 0.258 mW/g

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

Powerdrift: -0.39 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

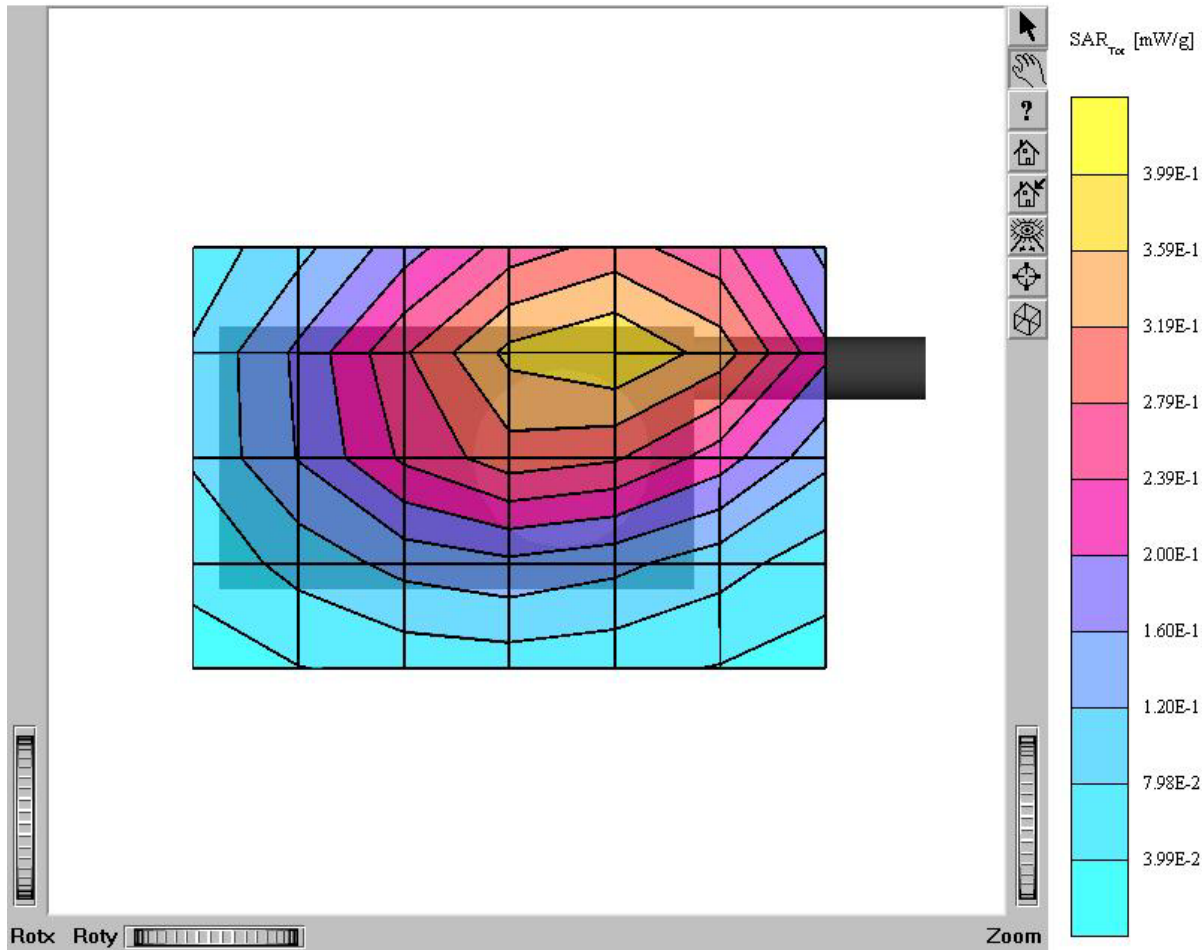
Face / Antenna: in (fixed)

Conducted Power: 2.05W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (face)

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: $\sigma = 0.86$ mho/m $\epsilon_r = 45.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.111 mW/g, SAR (10g): 0.0779 mW/g

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

Powerdrift: -0.39 dB

Comment:

FCC ID : PDHGMR5122

Company: TTI TECH CO., LTD.

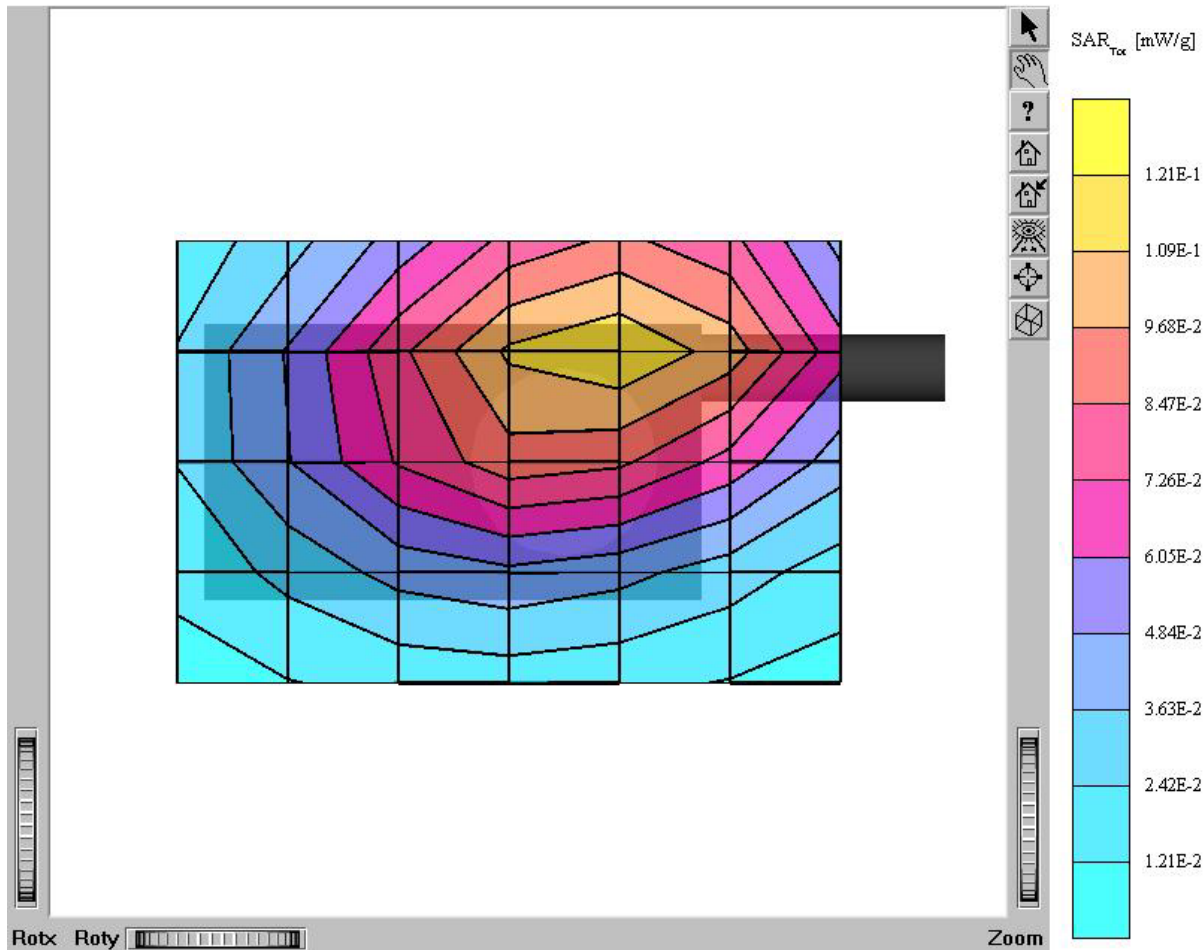
Face / Antenna: in (fixed)

Conducted Power: 0.814W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (face)

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: $\sigma = 0.86$ mho/m $\epsilon_r = 45.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.279 mW/g, SAR (10g): 0.196 mW/g

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

Powerdrift: -0.45 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

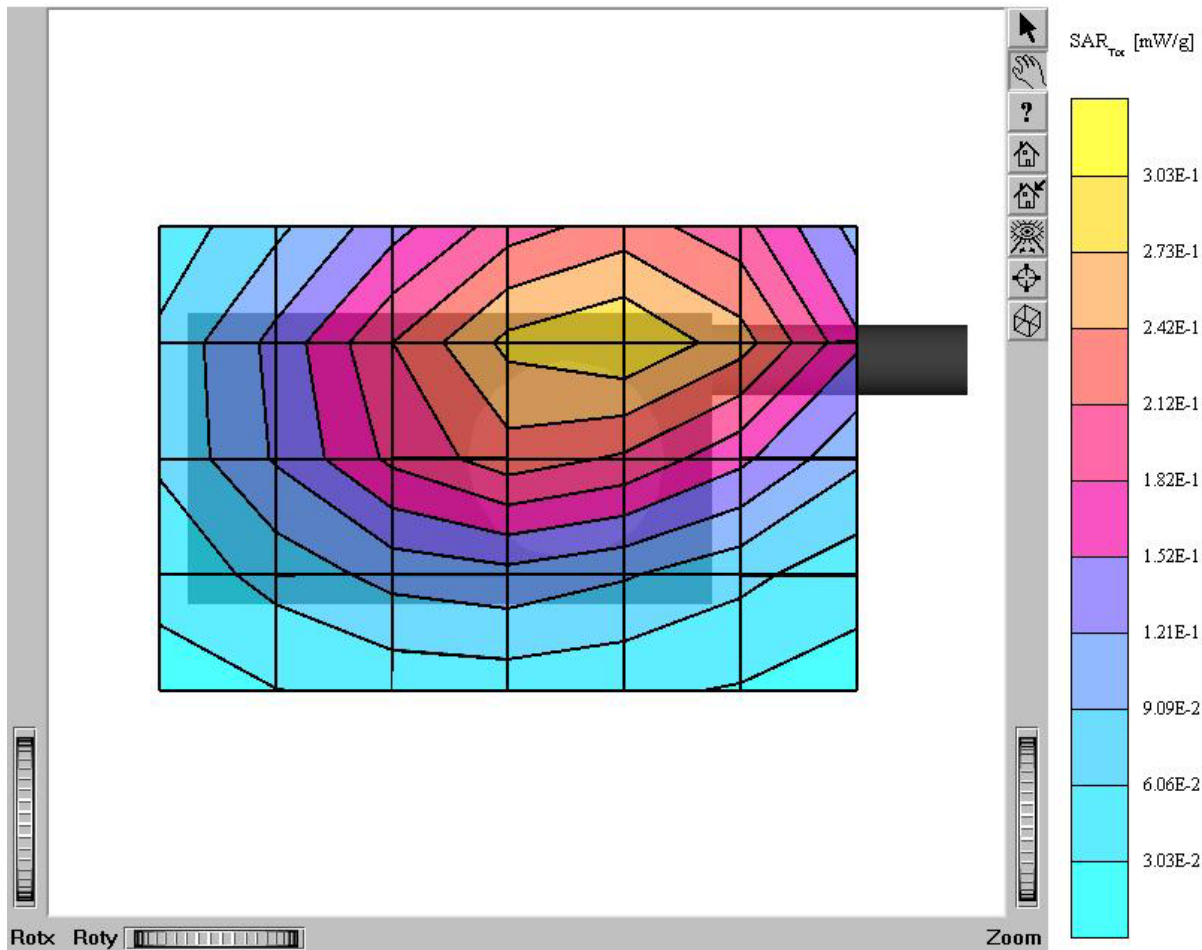
Face / Antenna: in (fixed)

Conducted Power: 0.792W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

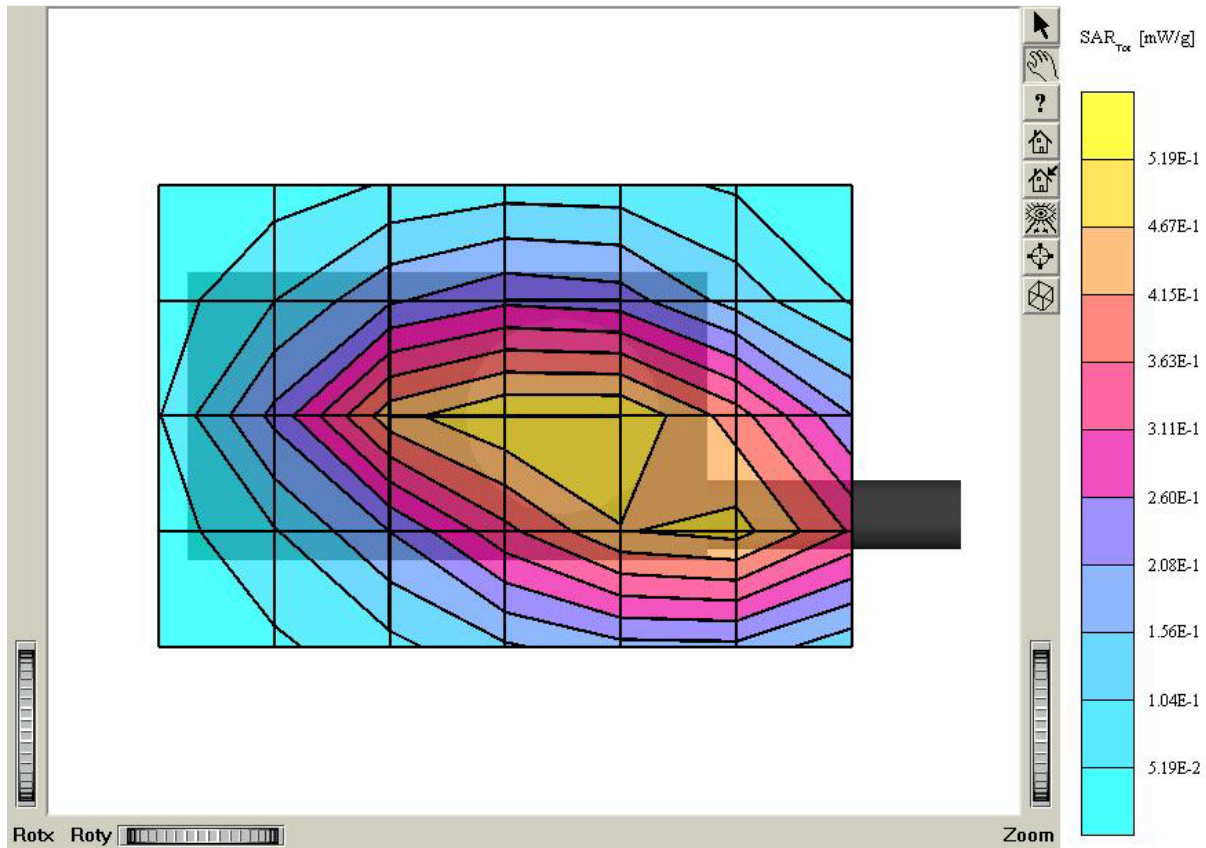
Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



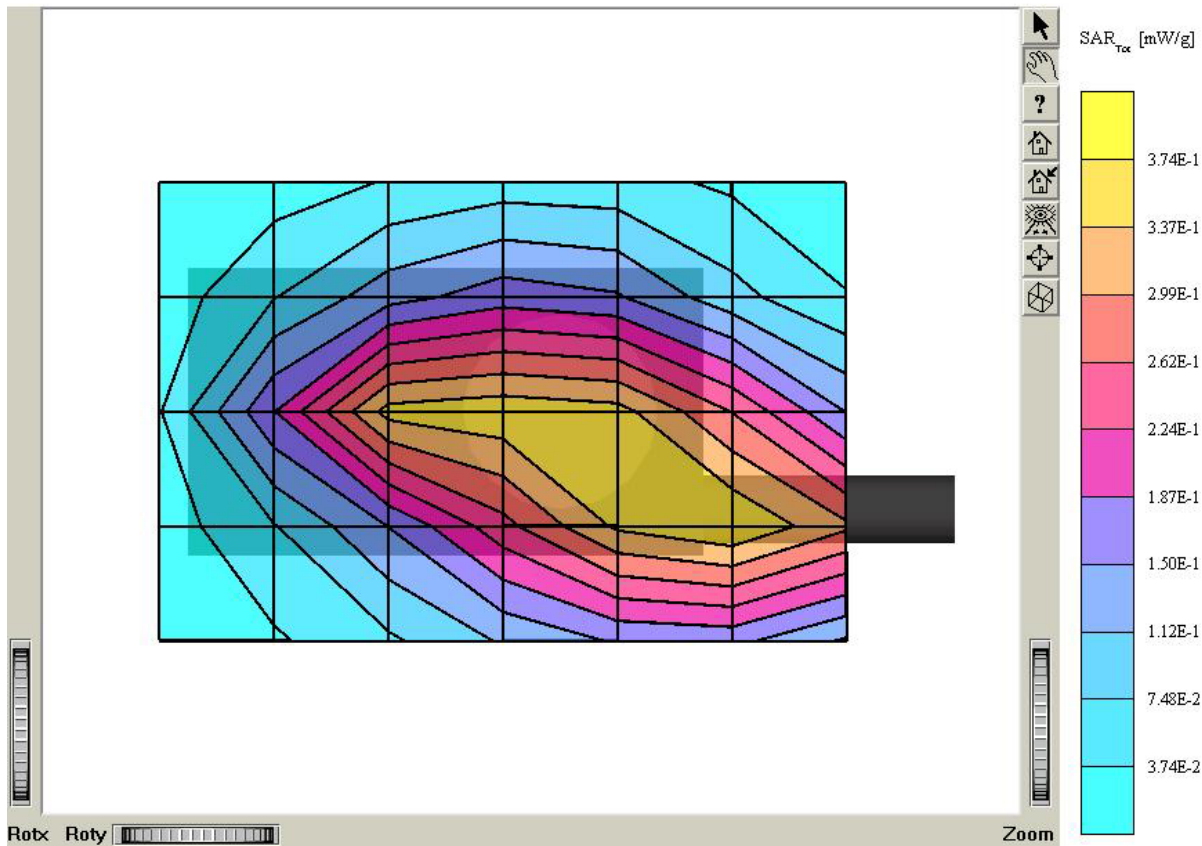
GMRS-122 (body)

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: $s = 0.94 \text{ mho/m}$, $\epsilon_r = 56.1$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.508 mW/g, SAR (10g): 0.342 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.53 dB
Comment:
FCC ID : PDHGMRS122
Company: TTI TECH CO., LTD.
Body / Antenna: in (fixed)
Conducted Power: 2.03W (Battery Type: Alcava)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature: 21.7 °C
Date Tested: December 23, 2002



GMRS-122 (body)

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: $s = 0.94 \text{ mho/m}$, $\epsilon_r = 56.1$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.363 mW/g, SAR (10g): 0.244 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.43 dB
Comment:
FCC ID : PDHGMRS122
Company: TTI TECH CO., LTD.
Body / Antenna: in (fixed)
Conducted Power: 2.04W (Battery Type: Alcava)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature: 21.7 °C
Date Tested: December 23, 2002



GMRS-122 (body)

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: $s = 0.94 \text{ mho/m}$, $e_r = 56.1$, $r = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.416 mW/g, SAR (10g): 0.279 mW/g

Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$

: Powerdrift: -0.52 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

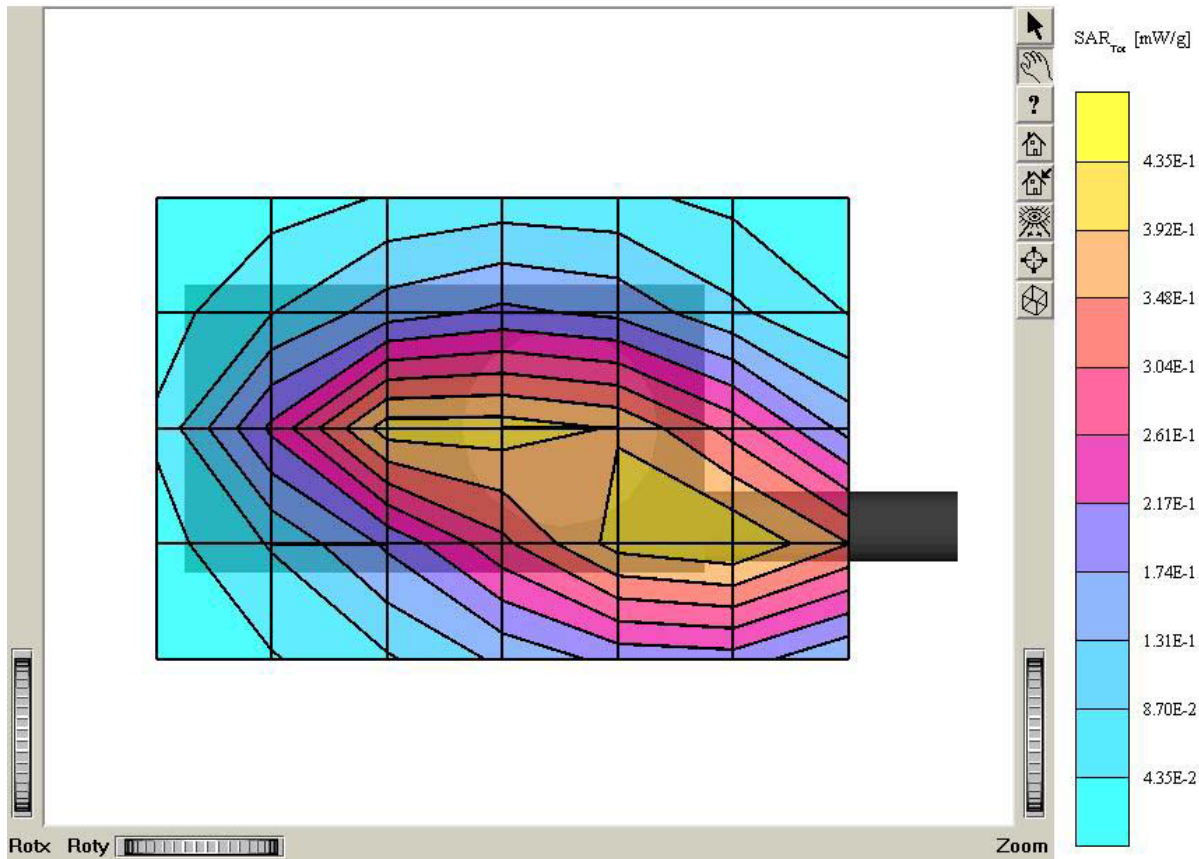
Body / Antenna: in (fixed)

Conducted Power: 2.02W (Battery Type: Alcava)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (body)

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: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.142 mW/g, SAR (10g): 0.0961 mW/g

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

Powerdrift: -0.47 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

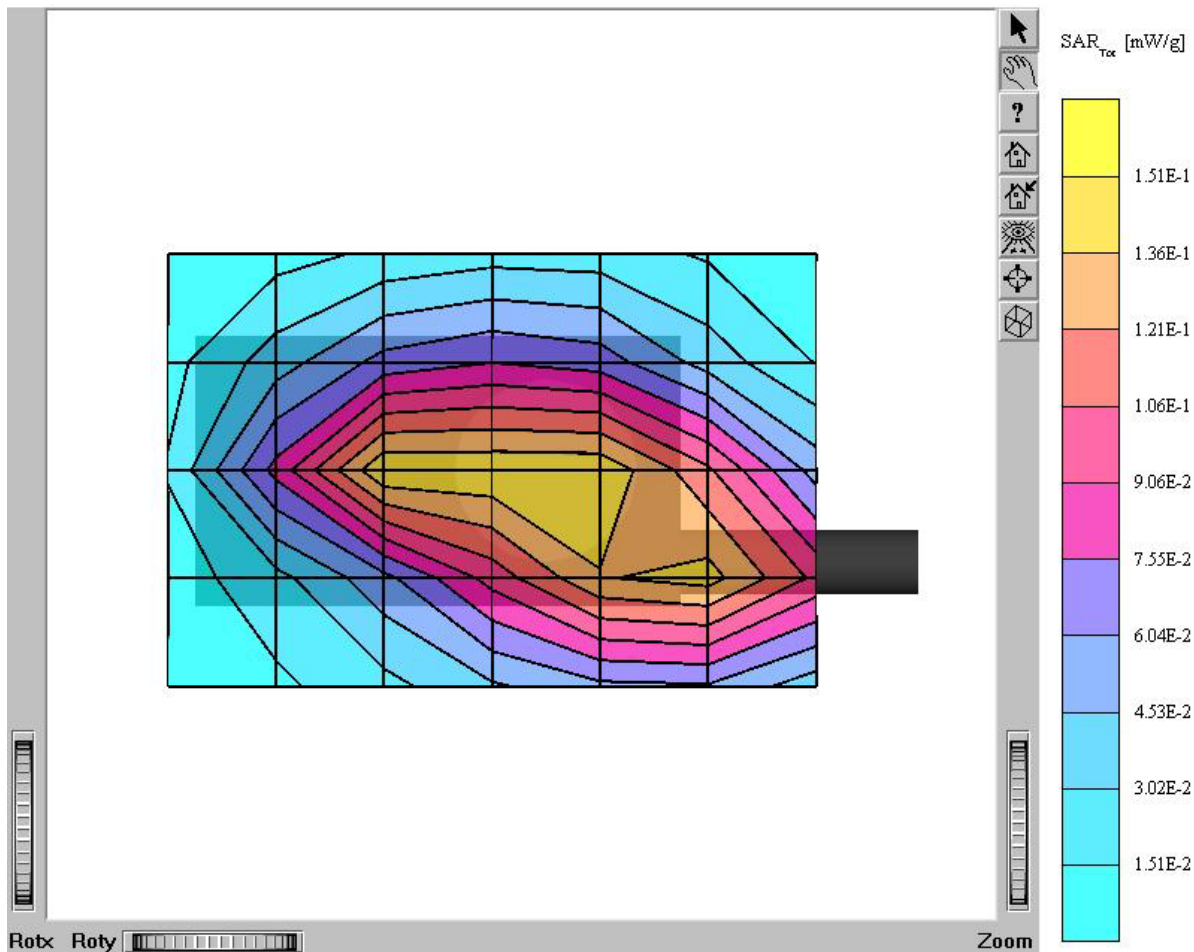
Body / Antenna: in (fixed)

Conducted Power: 0.772W (Battery Type: Alcava)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

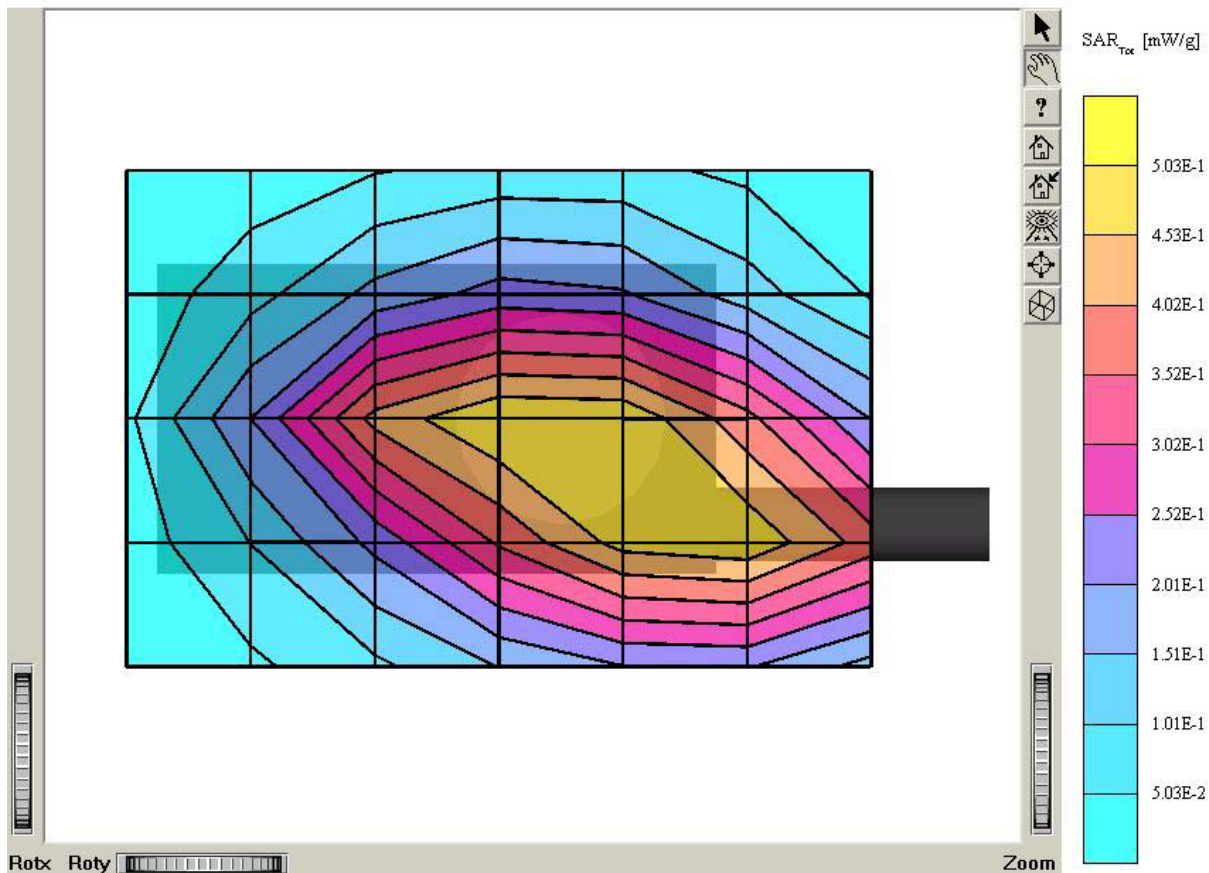
Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (body)

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: $s = 0.94$ mho/m, $\epsilon_r = 56.1$, $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.499 mW/g, SAR (10g): 0.337 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.50 dB
Comment:
FCC ID : PDHGMR5122
Company: TTI TECH CO., LTD.
Body / Antenna: in (fixed)
Conducted Power: 2.05W (Battery Type: Energizer)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature: 21.7 °C
Date Tested: December 23, 2002



GMRS-122 (body)

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: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.499 mW/g, SAR (10g): 0.337 mW/g

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

Powerdrift: -0.33 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

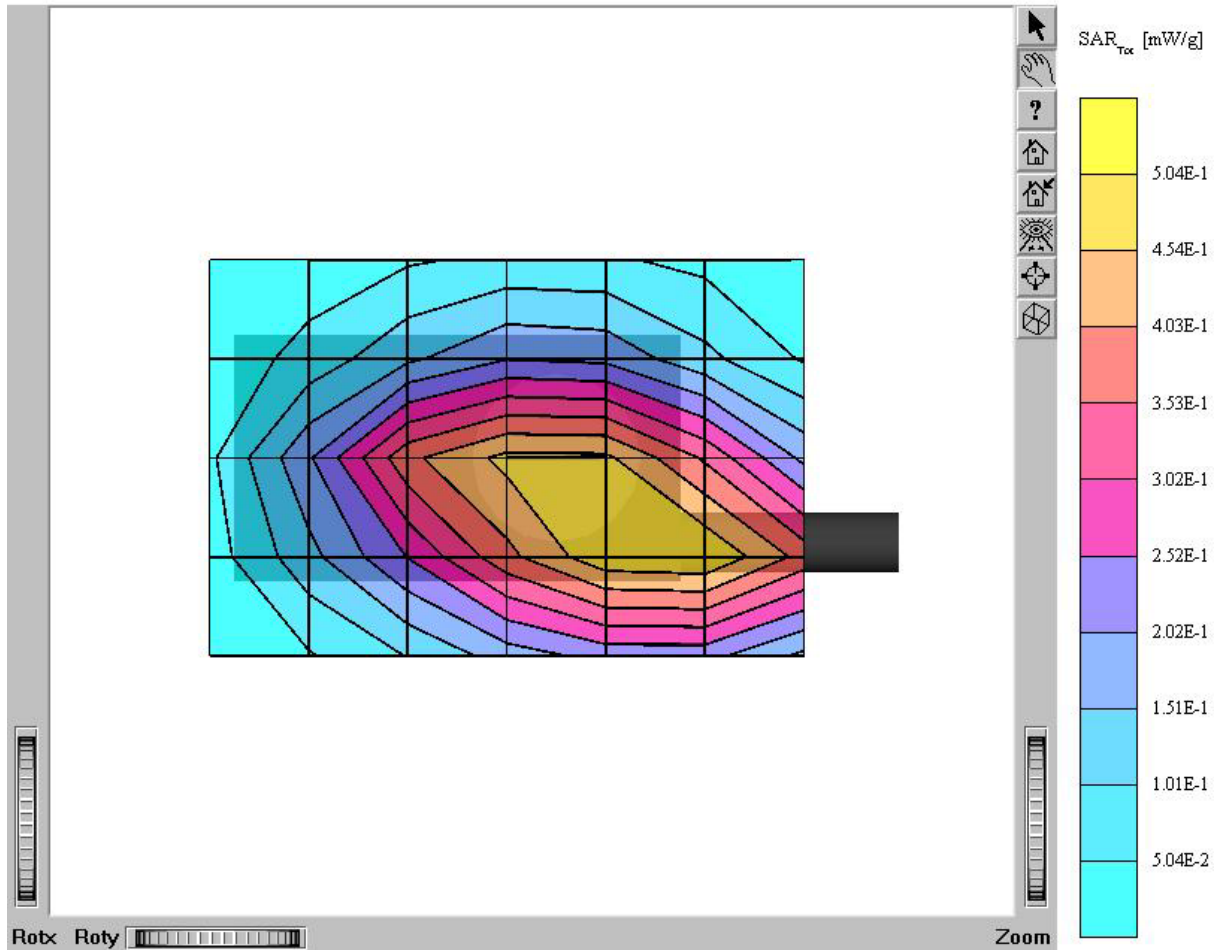
Body / Antenna: in (fixed)

Conducted Power: 2.04W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (body)

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: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.200 mW/g, SAR (10g): 0.133 mW/g

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

Powerdrift: -0.46 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

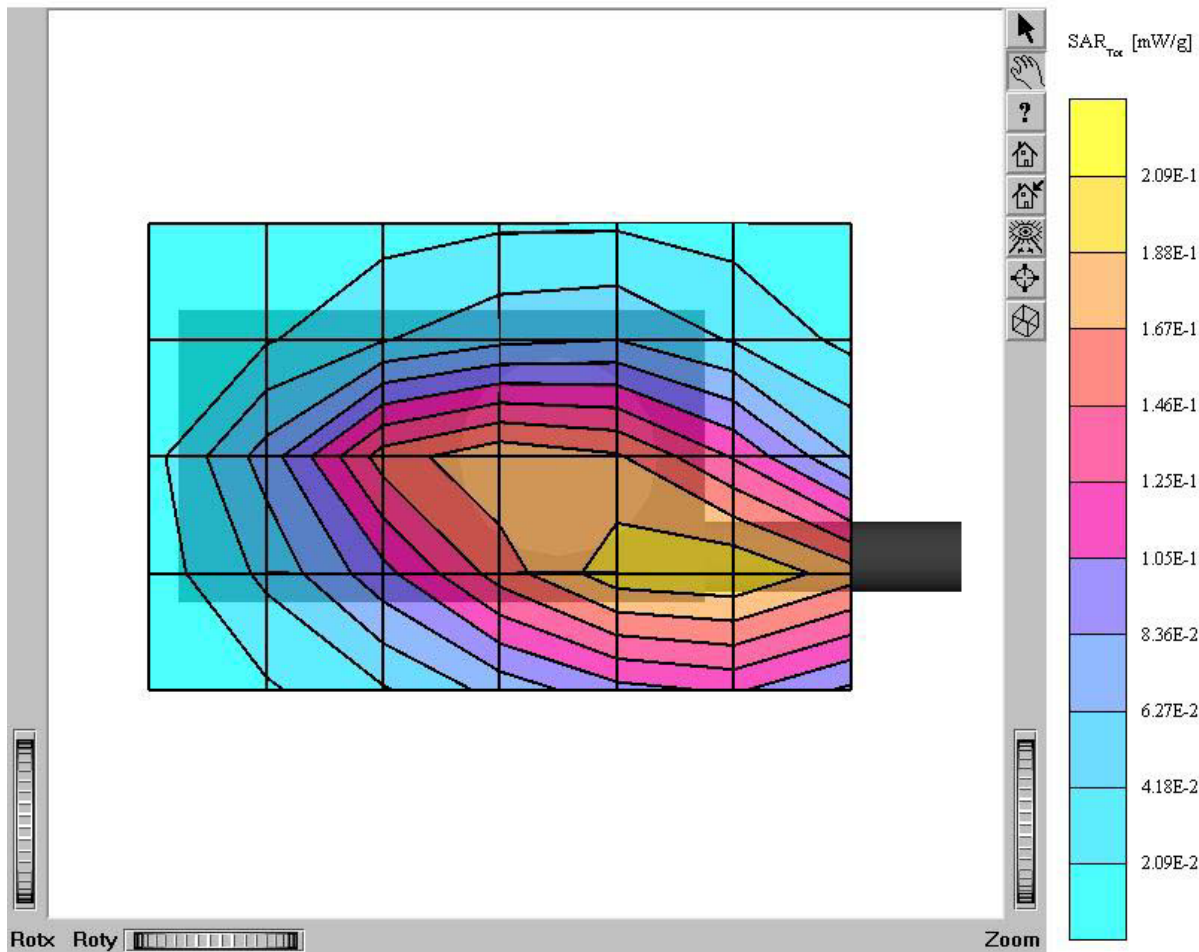
Body / Antenna: in (fixed)

Conducted Power: 0.812W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (body)

SAM 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: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.200 mW/g, SAR (10g): 0.134 mW/g

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

Powerdrift: -0.39 dB

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

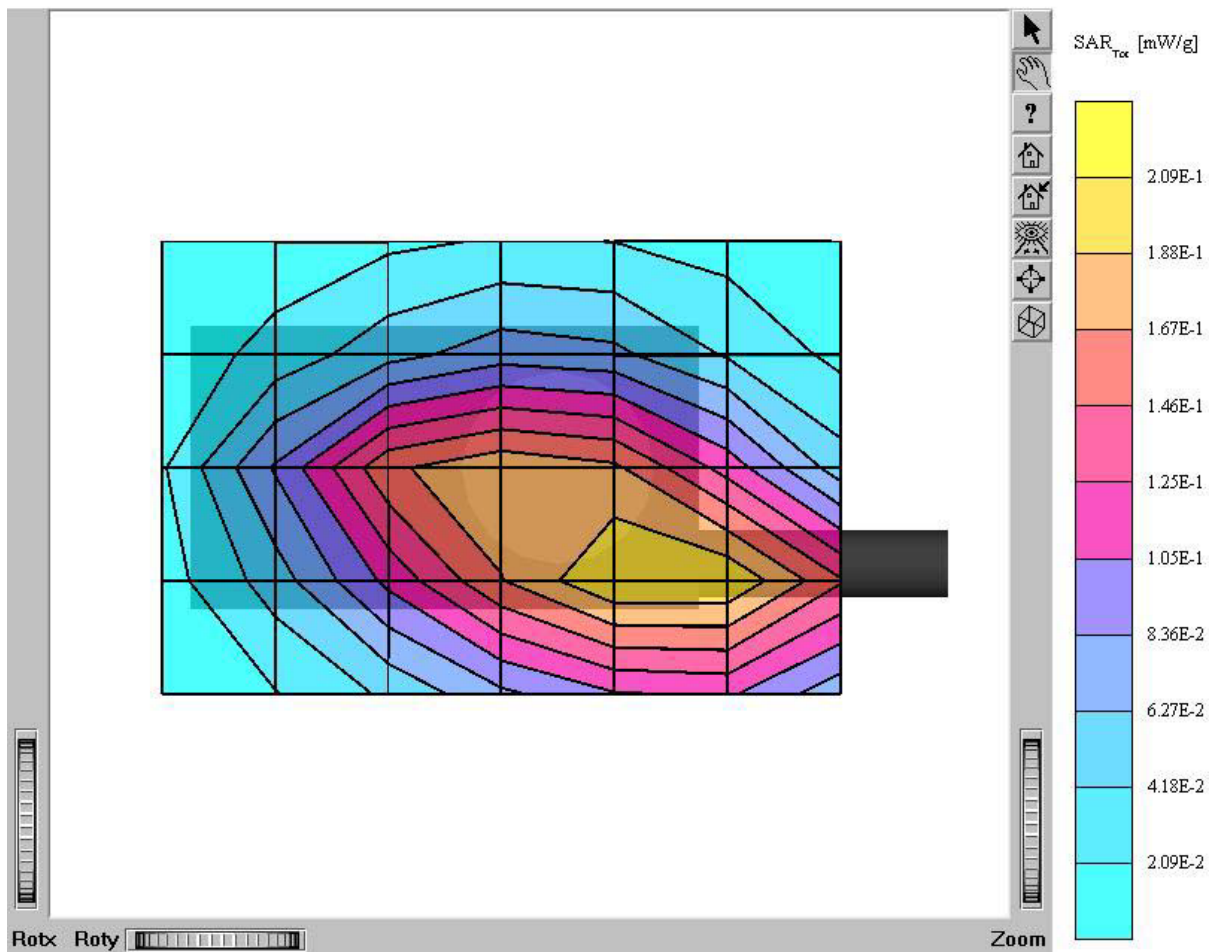
Body / Antenna: in (fixed)

Conducted Power: 0.793W (Battery Type: Alcava)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (face)

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: $s = 0.86 \text{ mho/m}$, $\rho = 45.1 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.383 mW/g, SAR (10g): 0.270 mW/g

Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

.

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

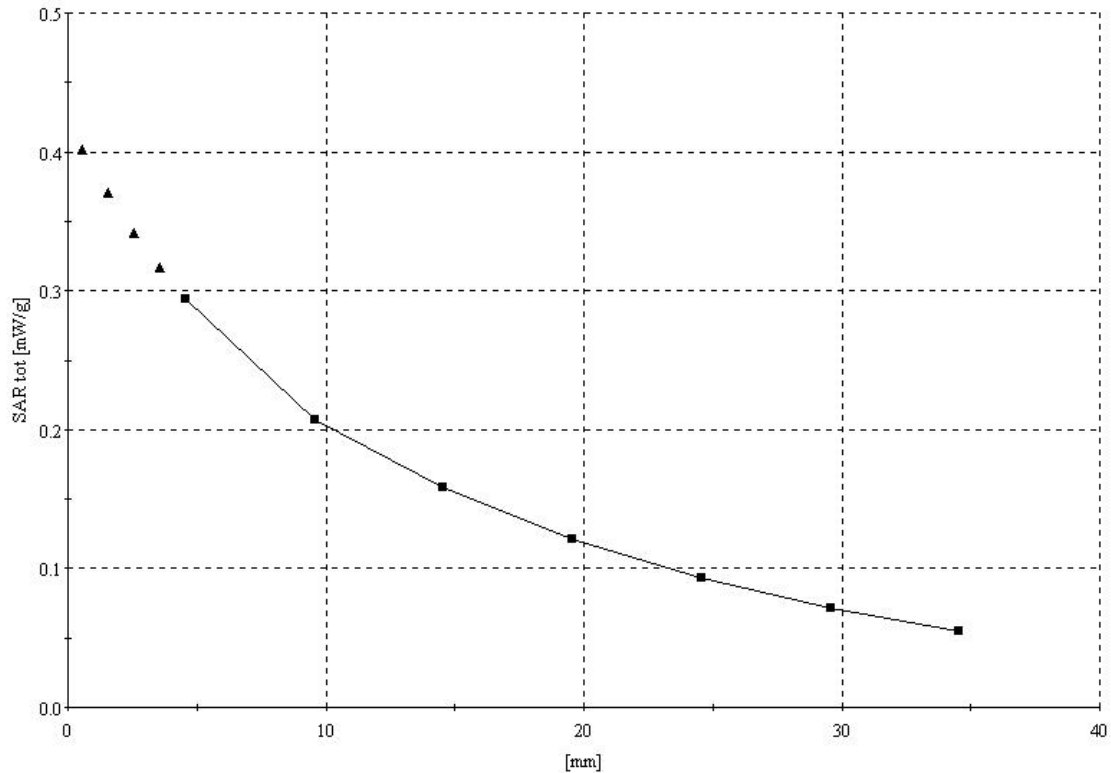
Face / Antenna: in (fixed)

Conducted Power: 2.04W (Battery Type: Energizer)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (body)

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: $s = 0.94$ mho/m $\epsilon_r = 56.1$ $r = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.508 mW/g, SAR (10g): 0.342 mW/g

Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

..

Comment:

FCC ID : PDHGMRS122

Company: TTI TECH CO., LTD.

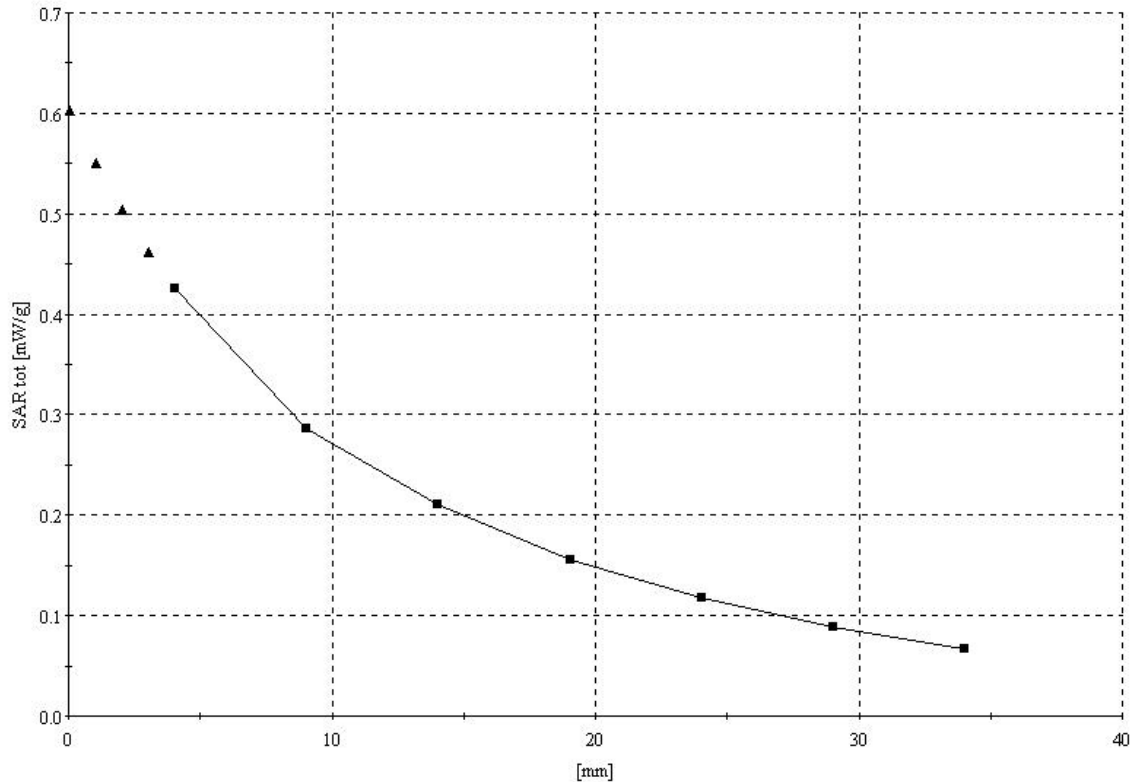
Body / Antenna: in (fixed)

Conducted Power: 2.03W (Battery Type: Alcava)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.7 °C

Date Tested: December 23, 2002



GMRS-122 (body)

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: $s = 0.94 \text{ mho/m}$, $e_r = 56.1$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.565 mW/g, SAR (10g): 0.379 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
: Powerdrift: -0.03 dB
Comment:
DC Power Supply 6V
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature: 21.7 °C
Date Tested: December 23, 2002

