

## **APPENDIX A – SAR TEST PLOTS**

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## GMRS-120 (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:  $\sigma = 0.84$  mho/m  $\epsilon_r = 44.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.203 mW/g, SAR (10g): 0.133 mW/g

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

Powerdrift: -0.24 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

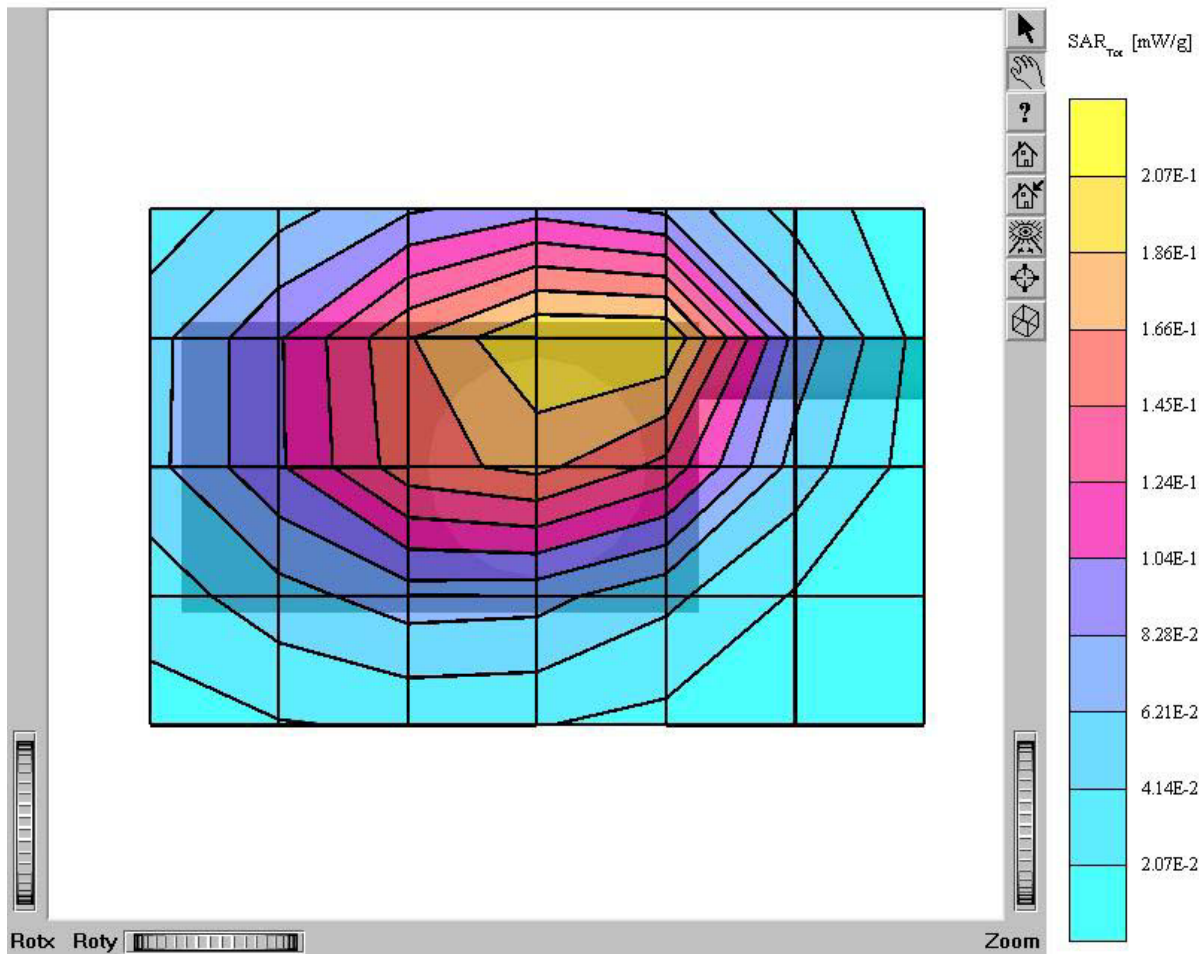
Face / Antenna: in (fixed)

Conducted Power: 0.622W (Battery Type: Bexel)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $\sigma = 0.84$  mho/m  $\epsilon_r = 44.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.165 mW/g, SAR (10g): 0.110 mW/g

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

Powerdrift: -0.29 dB

Comment:

FCC ID : PDHGMR120

Company: TTI TECH CO., LTD.

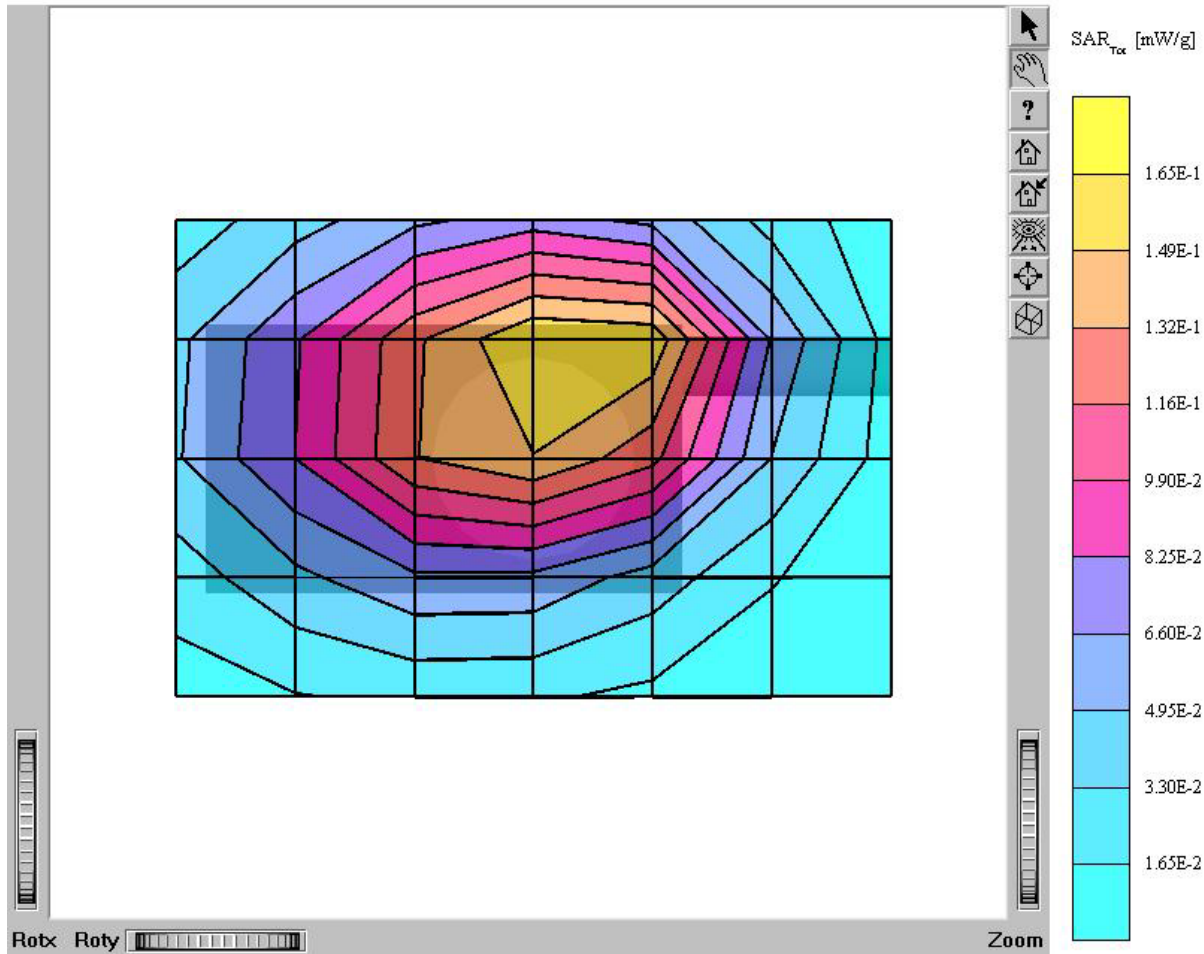
Face / Antenna: in (fixed)

Conducted Power: 0.621W (Battery Type: Bexel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $\sigma = 0.84$  mho/m  $\epsilon_r = 44.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.179 mW/g, SAR (10g): 0.117 mW/g

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

Powerdrift: -0.20 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

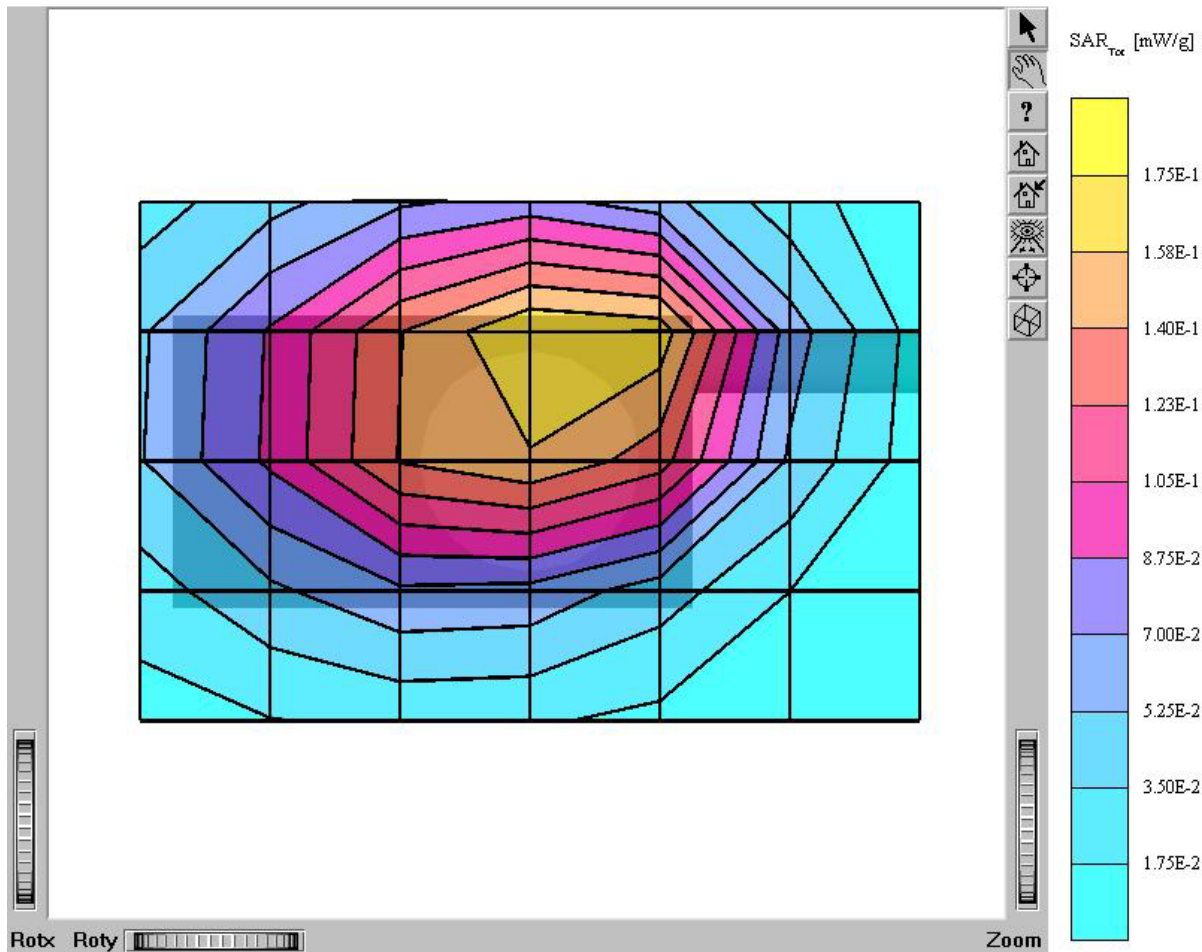
Face / Antenna: in (fixed)

Conducted Power: 0.622W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $\sigma = 0.84$  mho/m  $\epsilon_r = 44.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.275 mW/g, SAR (10g): 0.176 mW/g

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

Powerdrift: -0.06 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

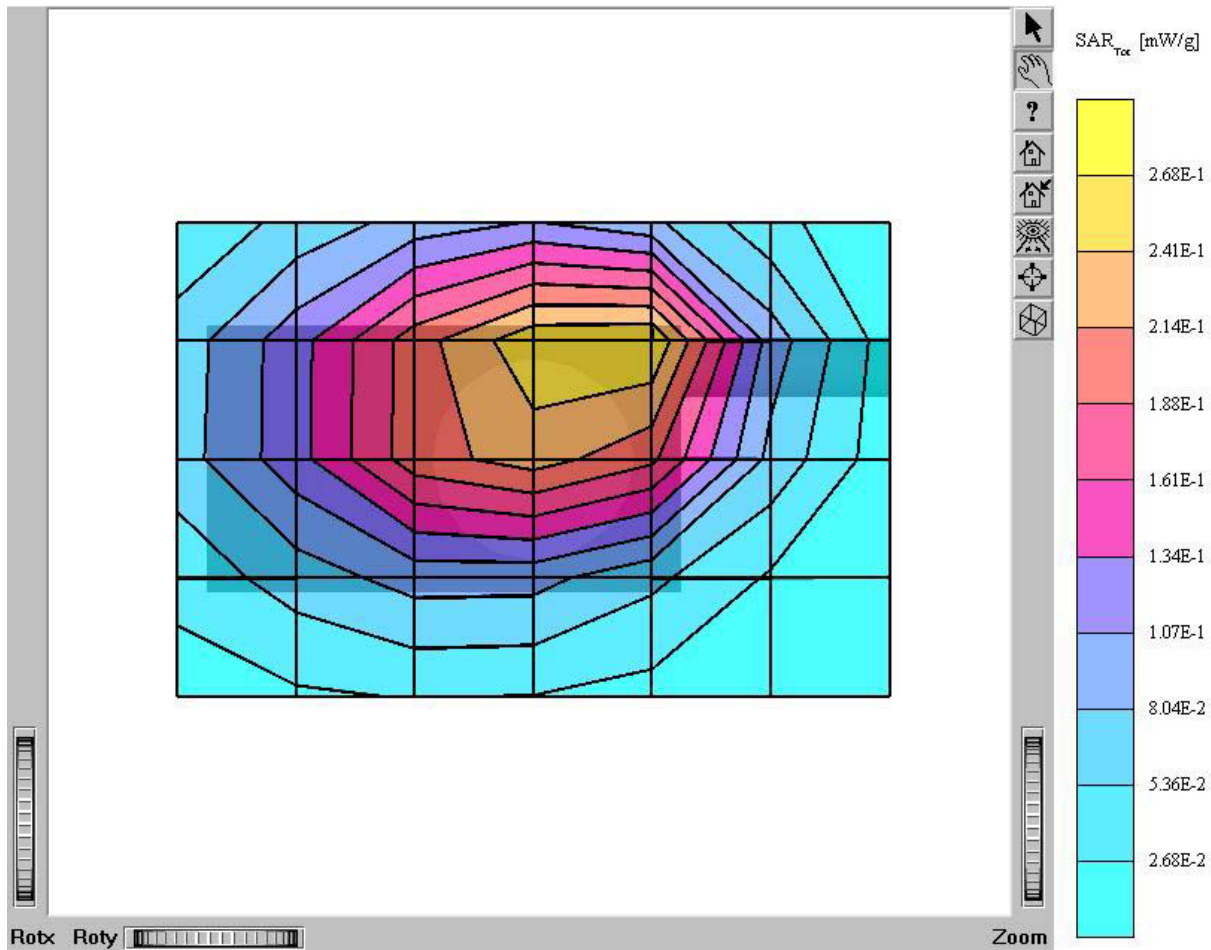
Face / Antenna: in (fixed)

Conducted Power: 0.638W (Battery Type: Bexel)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002





## GMRS-120 (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:  $\sigma = 0.84$  mho/m  $\epsilon_r = 44.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.250 mW/g, SAR (10g): 0.163 mW/g

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

Powerdrift: -0.16 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

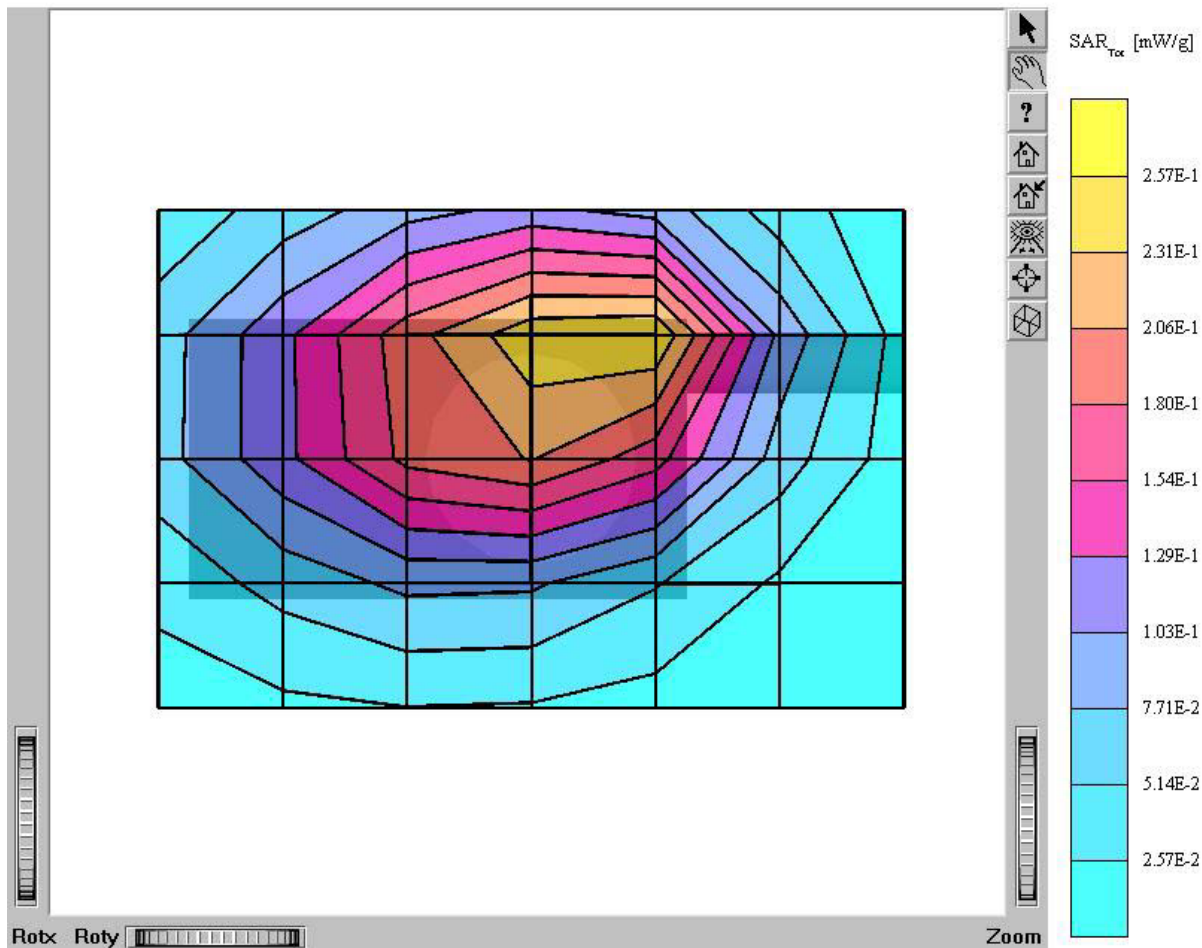
Face / Antenna: in (fixed)

Conducted Power: 0.623W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (face)

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

Probe: ET3DV6 - SN1609; ConvP(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz:  $\sigma = 0.84$  mho/m  $\epsilon_r = 44.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.255 mW/g, SAR (10g): 0.166 mW/g

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

Powerdrift: -0.16 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

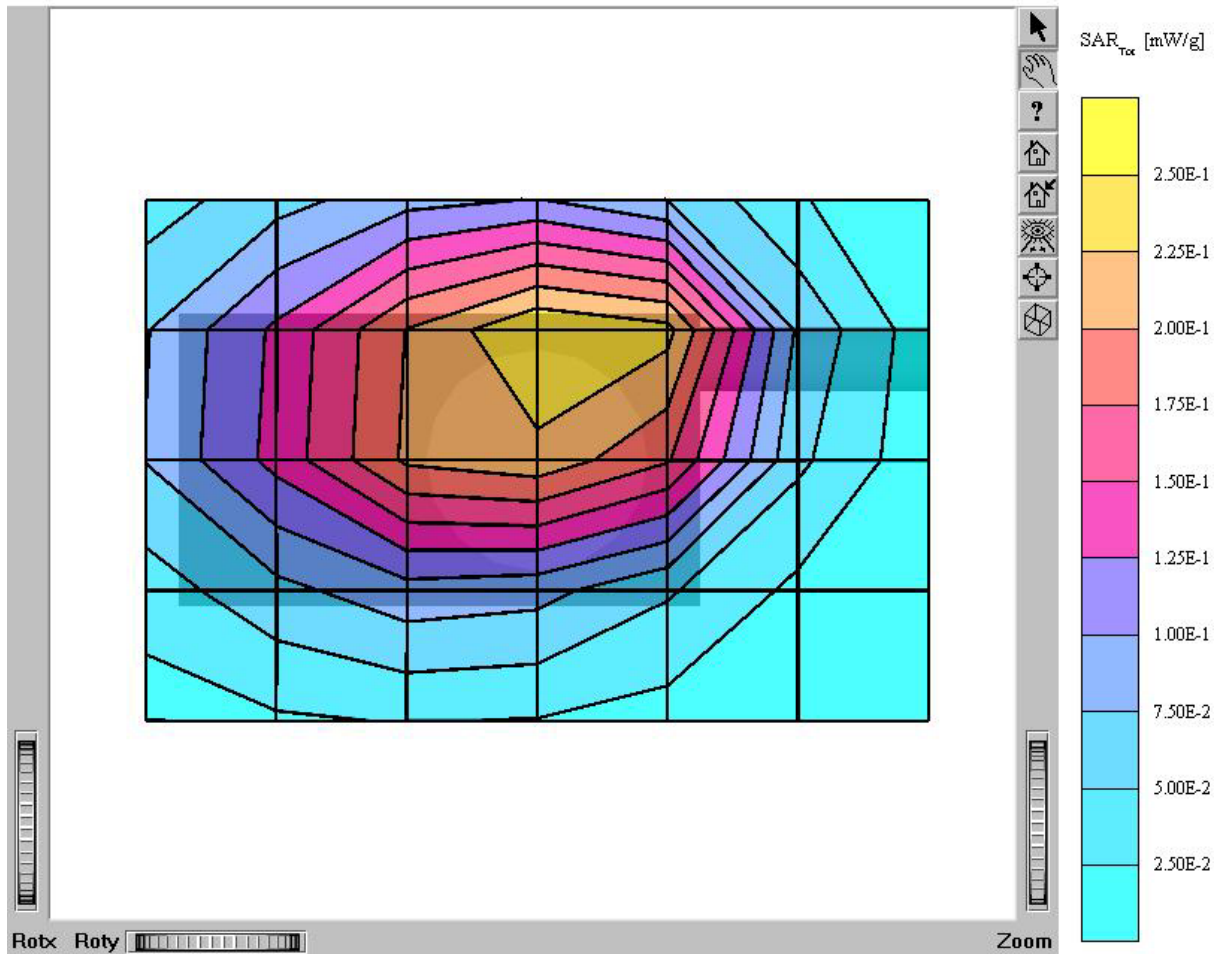
Face / Antenna: in (fixed)

Conducted Power: 0.637W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



# GMRS-120 (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:  $\sigma = 0.93$  mho/m  $\epsilon_r = 55.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.239 mW/g, SAR (10g): 0.163 mW/g

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

Powerdrift: -0.20 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

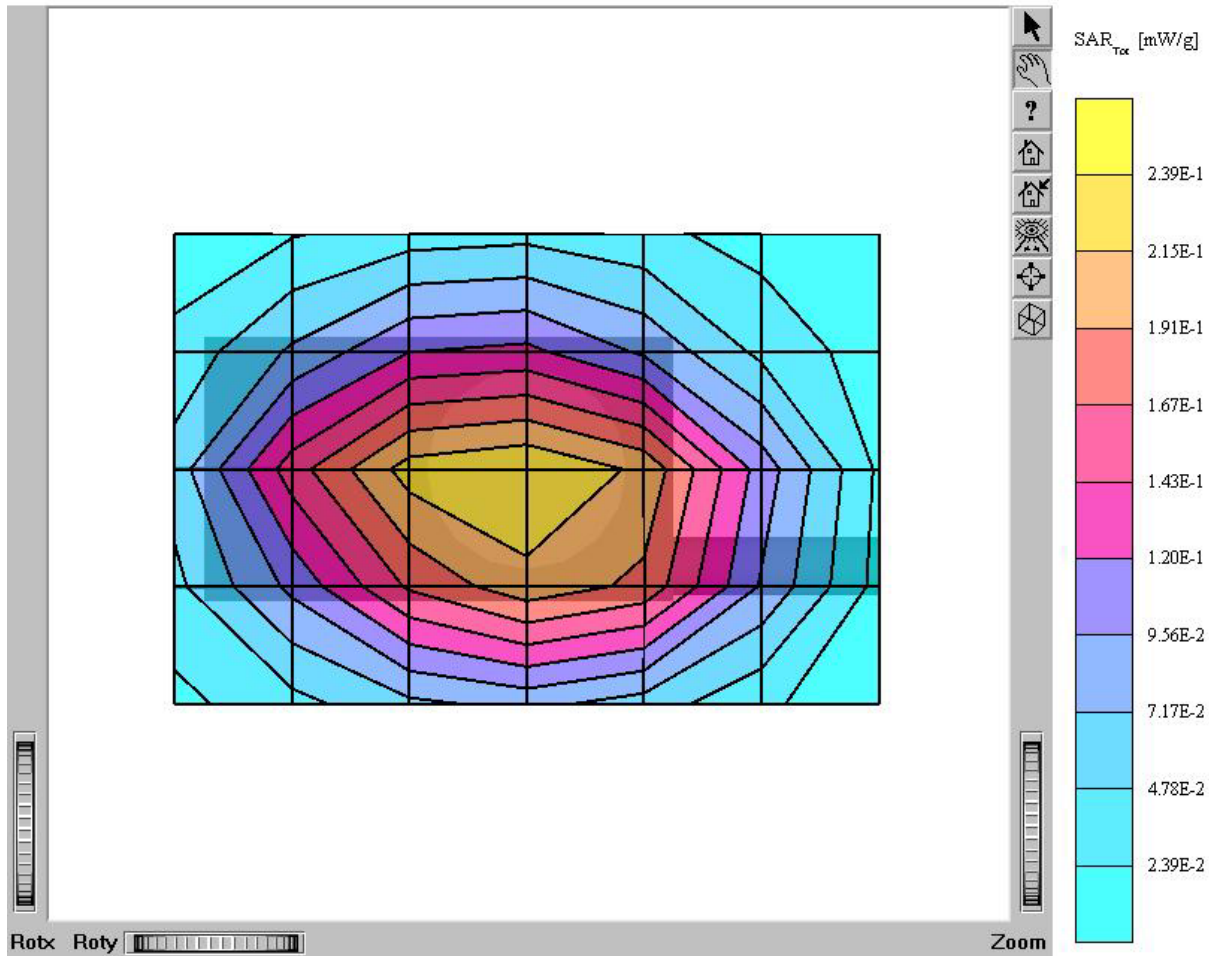
Body / Antenna: in (fixed)

Conducted Power: 0.623W (Battery Type: Bexel)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002





## GMRS-120 (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:  $\sigma = 0.93$  mho/m  $\epsilon_r = 55.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7; SAR (1g): 0.234 mW/g, SAR (10g): 0.160 mW/g

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

Powerdrift: -0.18 dB

Comment:

FCC ID : PDHGMR5120

Company: TTI TECH CO., LTD.

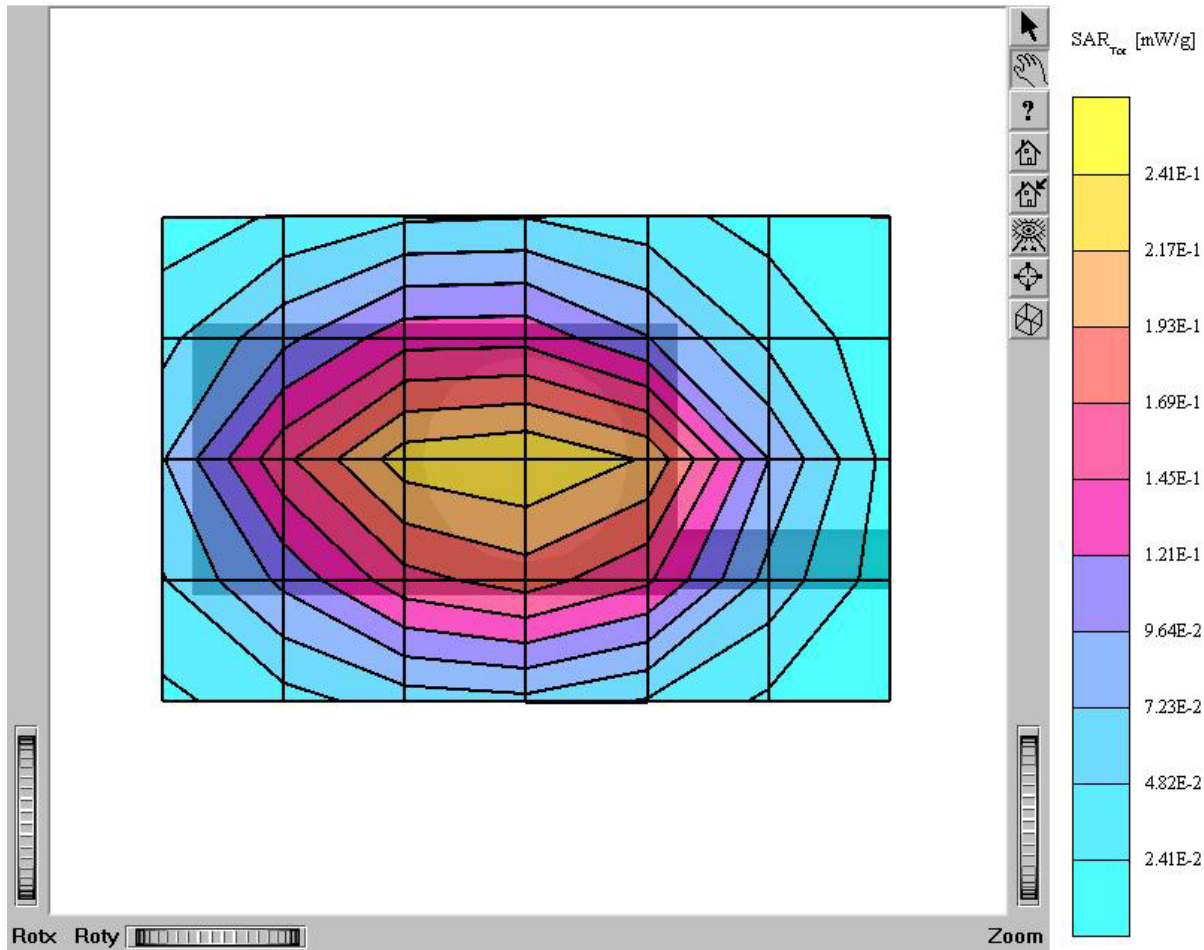
Body / Antenna: in (fixed)

Conducted Power: 0.622W (Battery Type: Bexel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $\sigma = 0.93$  mho/m  $\epsilon_r = 55.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7; SAR (1g): 0.249 mW/g, SAR (10g): 0.170 mW/g

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

Powerdrift: -0.16 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

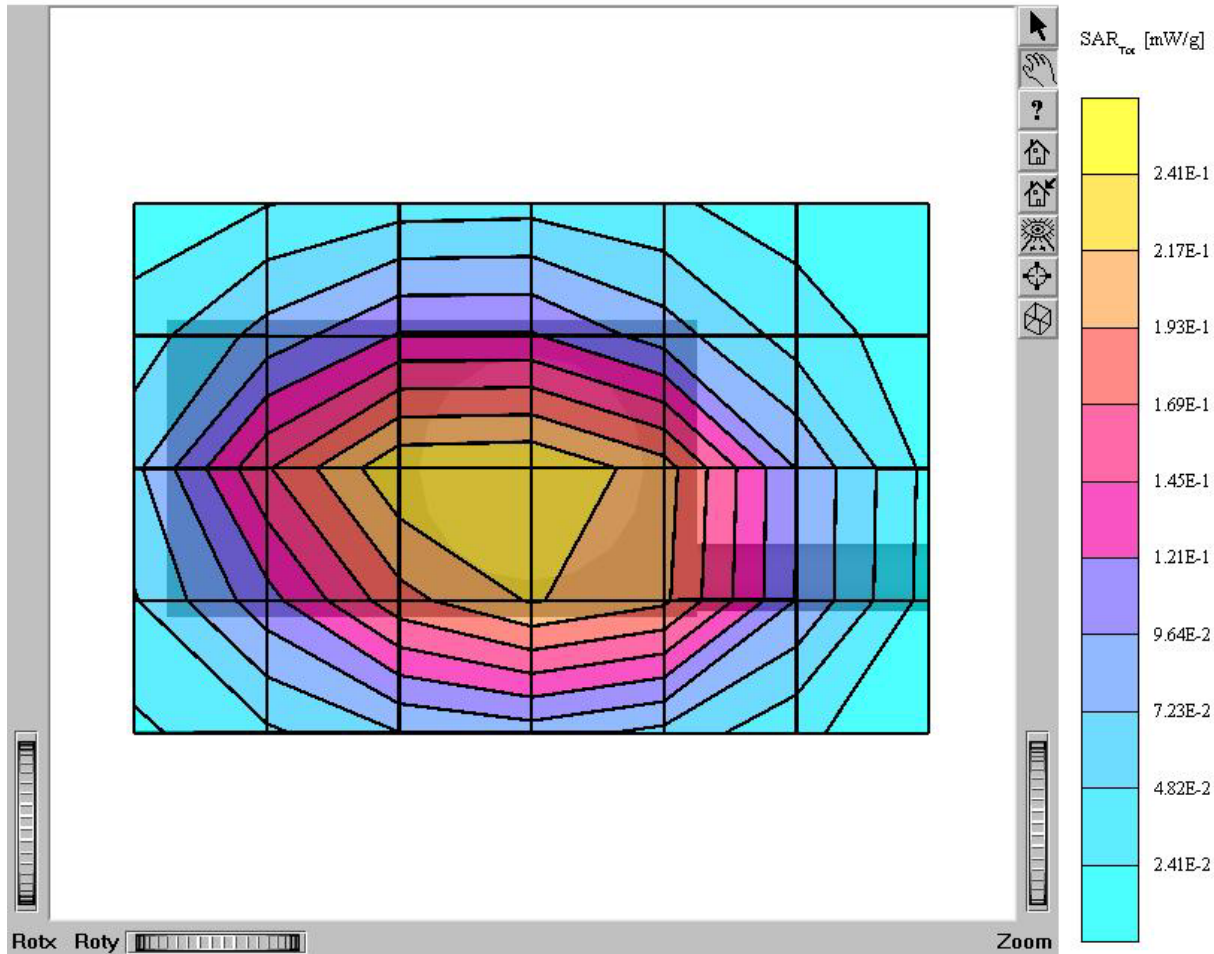
Body / Antenna: in (fixed)

Conducted Power: 0.622W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



# GMRS-120 (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:  $\sigma = 0.93$  mho/m  $\epsilon_r = 55.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.285 mW/g, SAR (10g): 0.195 mW/g

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

Powerdrift: -0.34 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

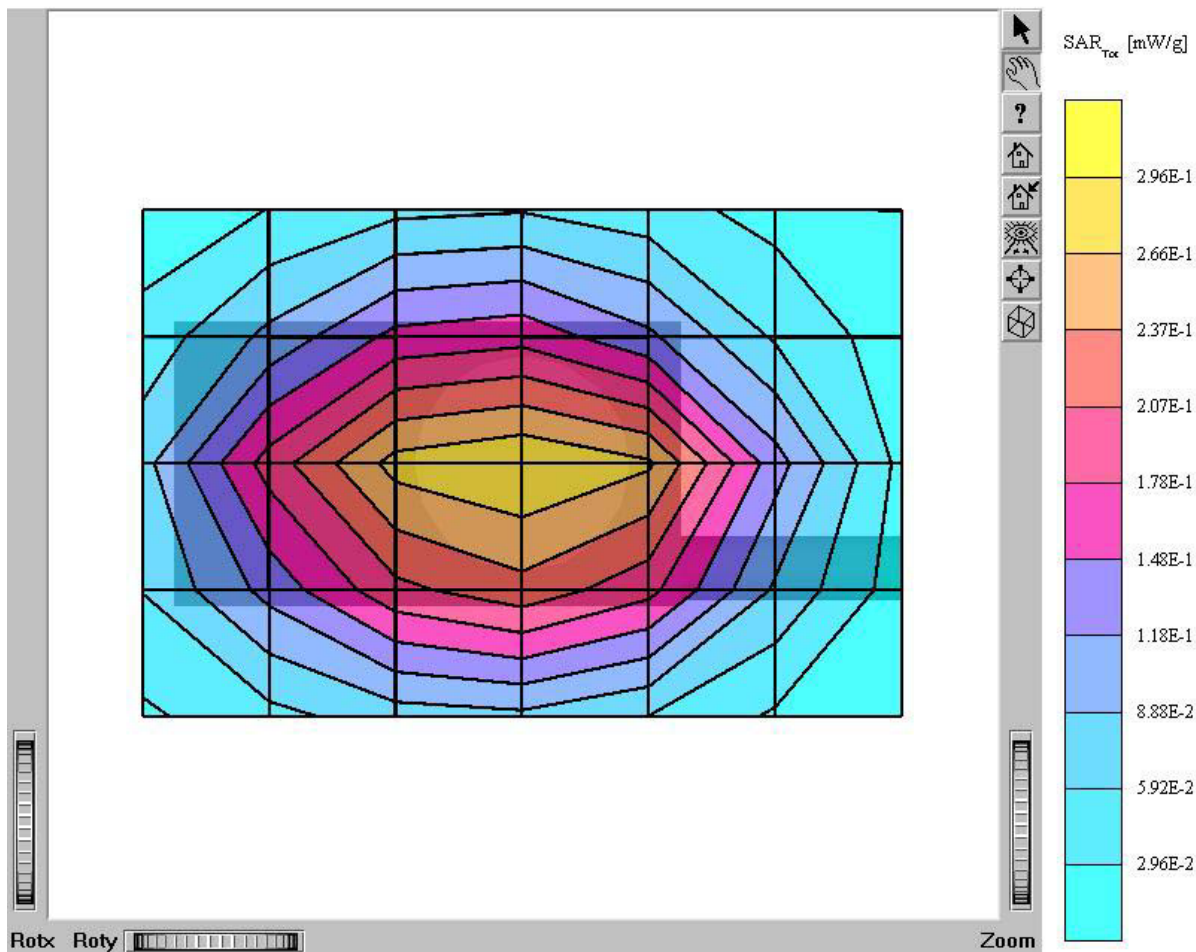
Body / Antenna: in (fixed)

Conducted Power: 0.623W (Battery Type: Bexel)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $\sigma = 0.93$  mho/m  $\epsilon_r = 55.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.276 mW/g, SAR (10g): 0.189 mW/g

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

Powerdrift: -0.30 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

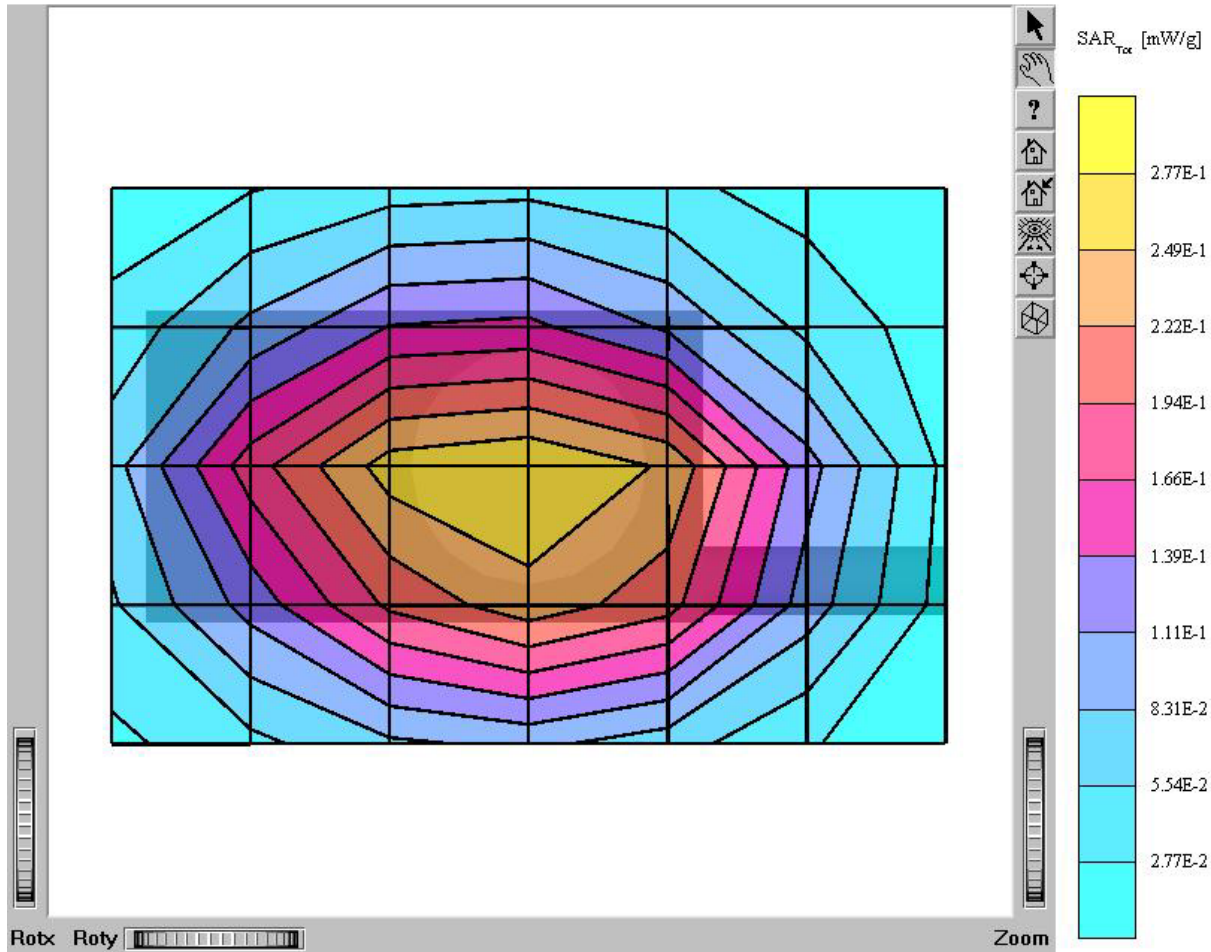
Body / Antenna: in (fixed)

Conducted Power: 0.625W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002





## GMRS-120 (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:  $\sigma = 0.93$  mho/m  $\epsilon_r = 55.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.276 mW/g, SAR (10g): 0.188 mW/g

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

Powerdrift: -0.15 dB

Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

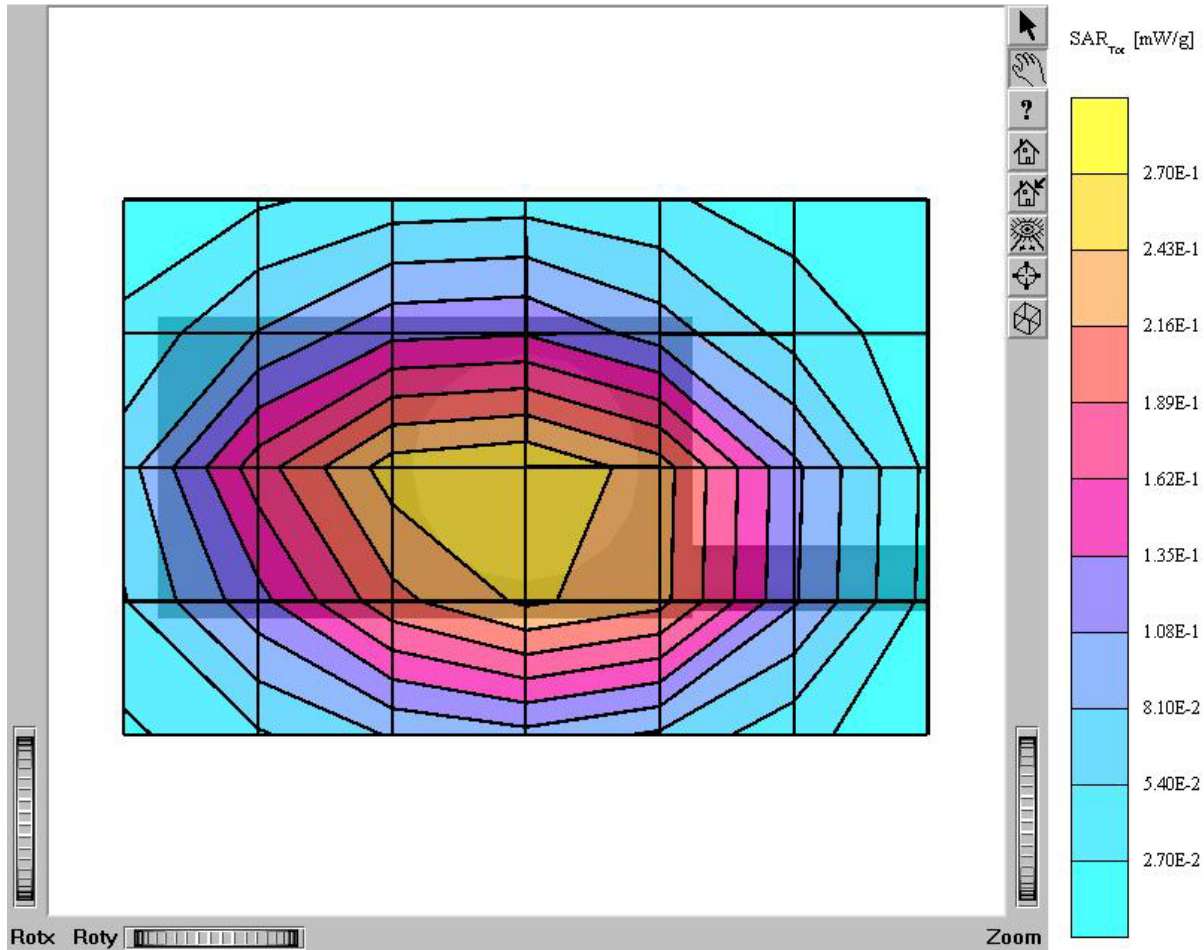
Body / Antenna: in (fixed)

Conducted Power: 0.636W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002





## GMRS-120 (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:  $s = 0.84$  mho/m  $\rho_r = 44.1$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.255 mW/g, SAR (10g): 0.166 mW/g  
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

## Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

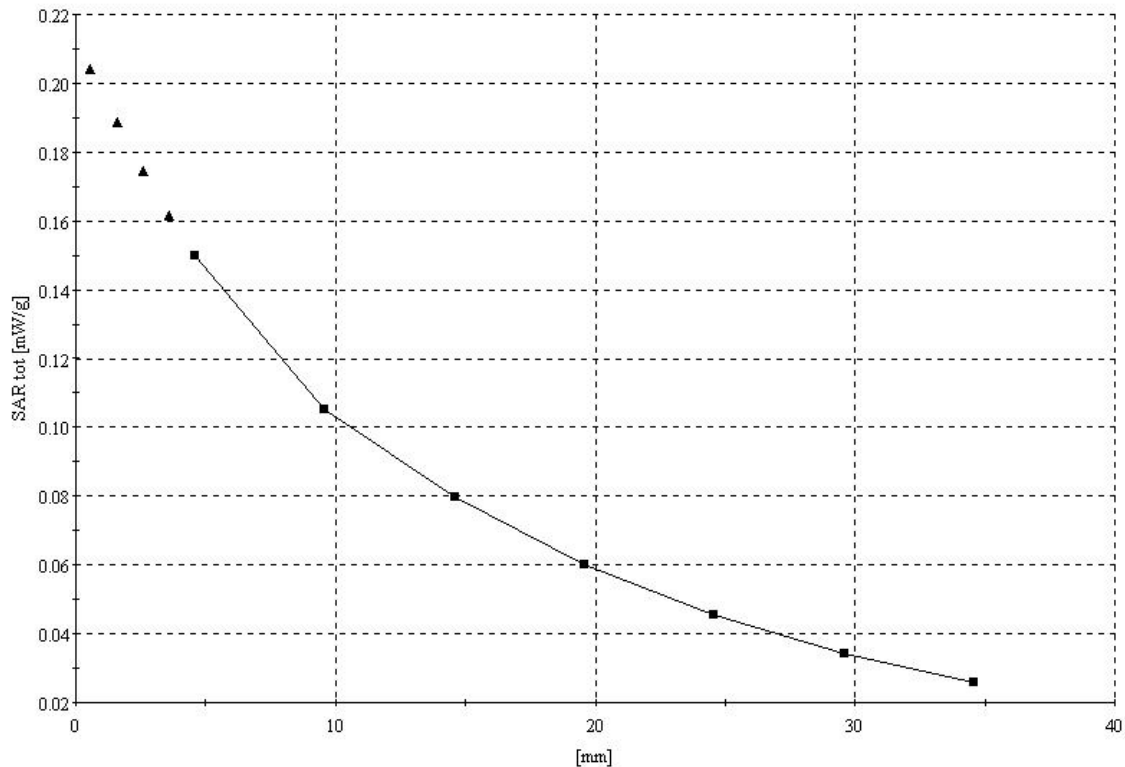
Face / Antenna: in (fixed)

Conducted Power: 0.637W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $s = 0.93 \text{ mho/m}$ ,  $\epsilon_r = 55.6$ ,  $r = 1.00 \text{ g/cm}^3$ 

Cube 5x5x7: SAR (1g): 0.276 mW/g, SAR (10g): 0.189 mW/g

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

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Comment:

FCC ID : PDHGMRS120

Company: TTI TECH CO., LTD.

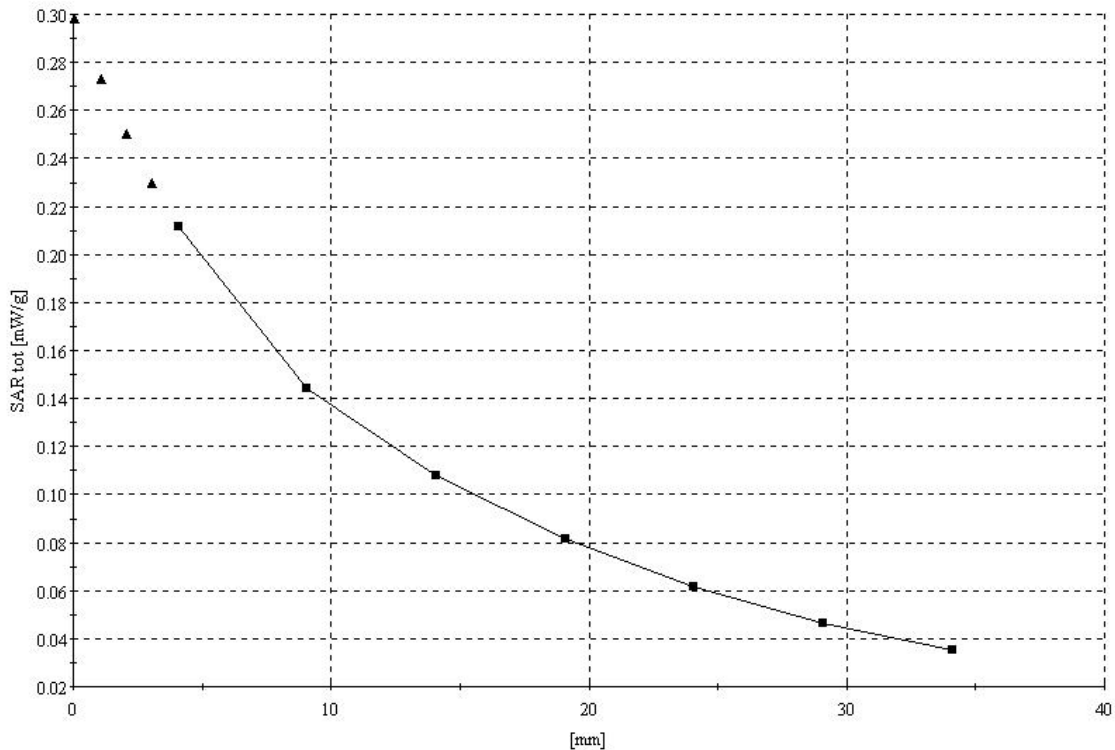
Body / Antenna: in (fixed)

Conducted Power: 0.625W (Battery Type: Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature: 21.5 °C

Date Tested: December 24, 2002



## GMRS-120 (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:  $s = 0.93 \text{ mho/m}$ ,  $\epsilon_r = 55.6$ ,  $\rho = 1.00 \text{ g/cm}^3$   
Cube 5x5x7: SAR (1g): 0.332 mW/g, SAR (10g): 0.224 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -0.05 dB  
Comment:  
FCC ID : PDHGMRS120  
Company: TTI TECH CO., LTD.  
DC Power Supply 4.5V  
Body / Antenna: in (fixed)  
Mode: FM GMRS Channel: 8 (467.5625 MHz)  
Liquid Temperature: 21.5 °C  
Date Tested: December 24, 2002

