

## APPENDIX A – SAR TEST PLOTS

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## GXT555

SAM 1 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:  $\sigma = 0.86 \text{ mho/m}$   $\epsilon_r = 43.9$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.15 mW/g, SAR (10g): 0.814 mW/g

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

Powerdrift: -1.40 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

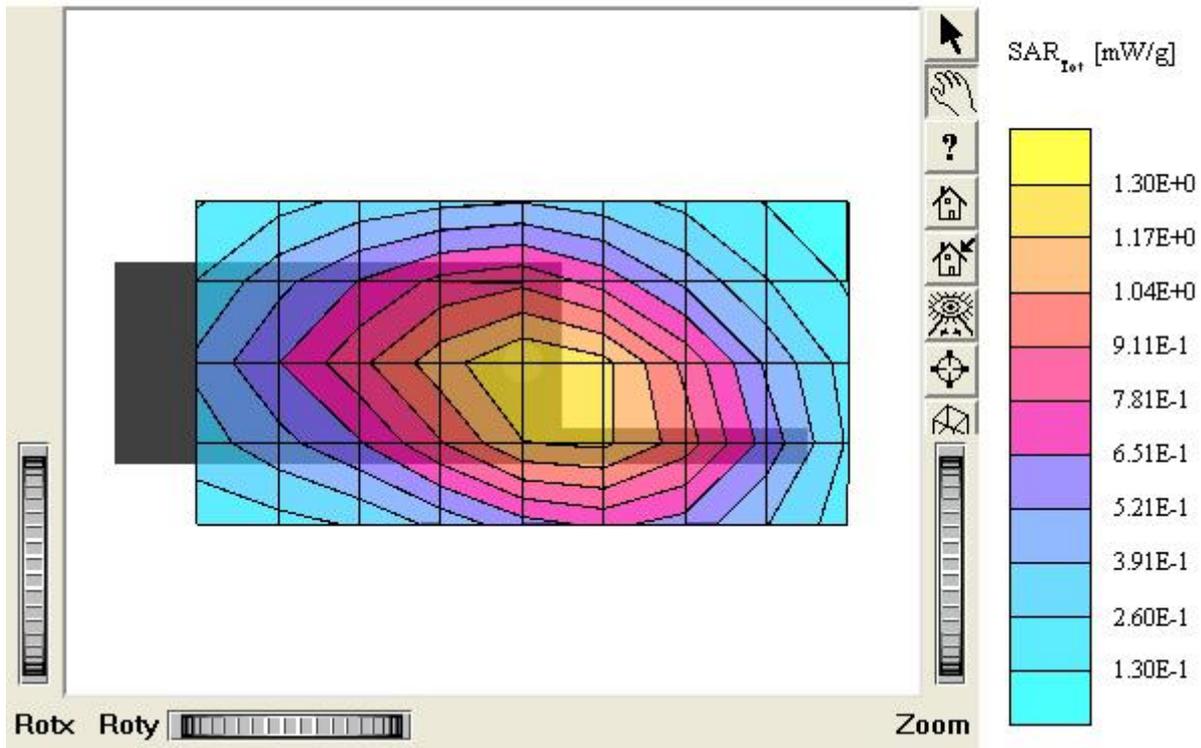
Face / Antenna: in (fixed)

Conducted Power : 4.40W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM 1 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:  $\sigma = 0.86 \text{ mho/m}$   $\epsilon_r = 43.9$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.05 mW/g, SAR (10g): 0.747 mW/g

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

Powerdrift: -1.02 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

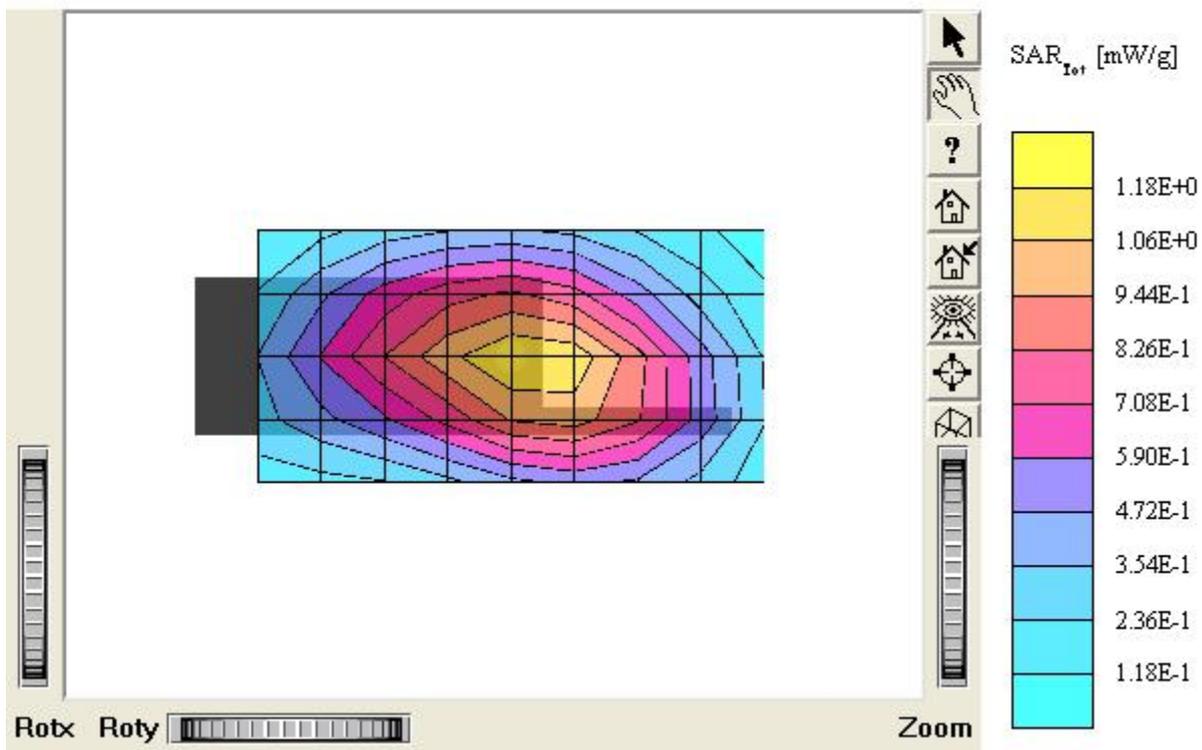
Face / Antenna: in (fixed)

Conducted Power: 4.32W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM 1 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:  $\sigma = 0.86 \text{ mho/m}$   $\rho = 43.9 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.18 mW/g, SAR (10g): 0.834 mW/g

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

Powerdrift: -0.89 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

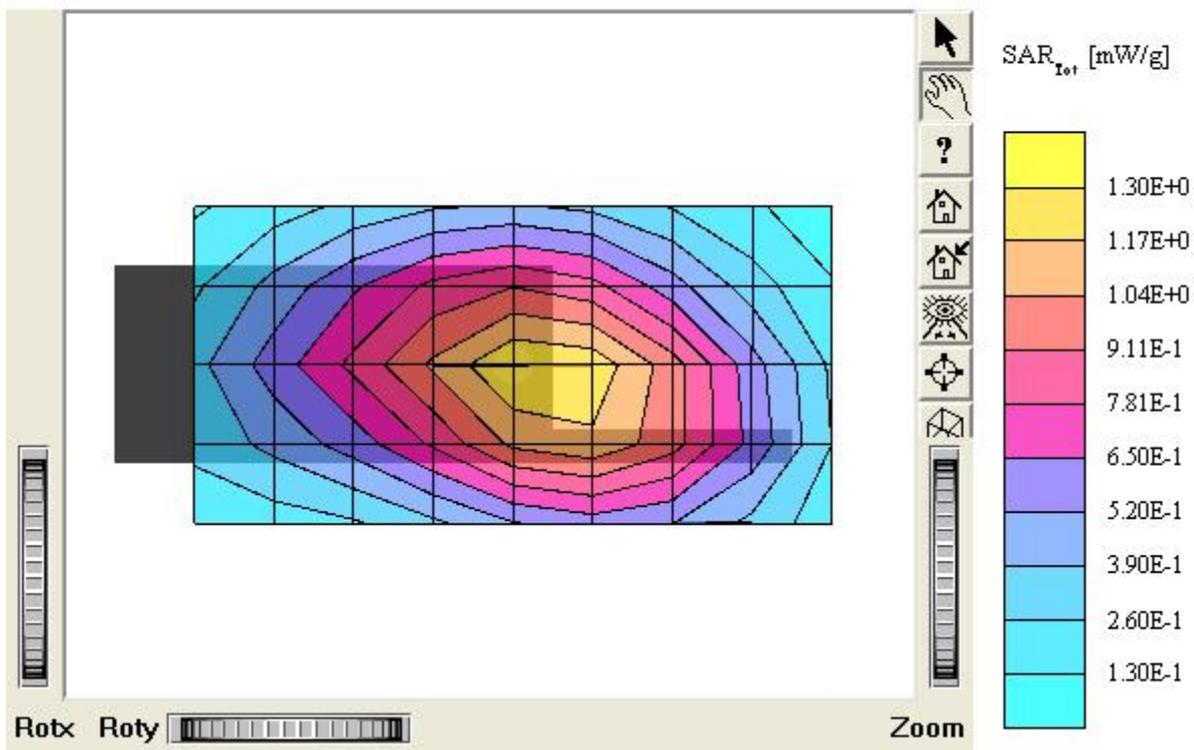
Face / Antenna: in (fixed)

Conducted Power: 4.30W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM I 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:  $\sigma = 0.86 \text{ mho/m}$   $\epsilon_r = 43.9$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.356 mW/g, SAR (10g): 0.253 mW/g

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

Powerdrift: -0.66 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

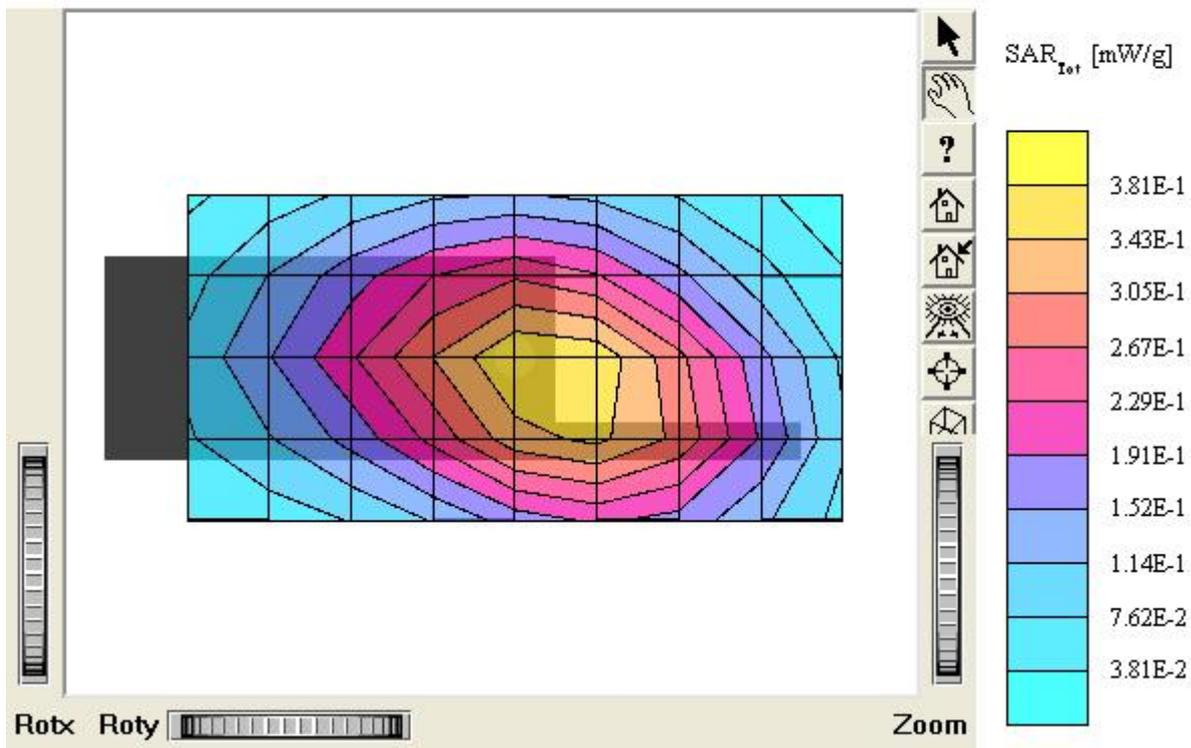
Face / Antenna: in (fixed)

Conducted Power: 0.548W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM I 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  $\epsilon_r = 43.9$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7; SAR (1g): 1.19 mW/g, SAR (10g): 0.848 mW/g

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

Powerdrift: -1.07 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

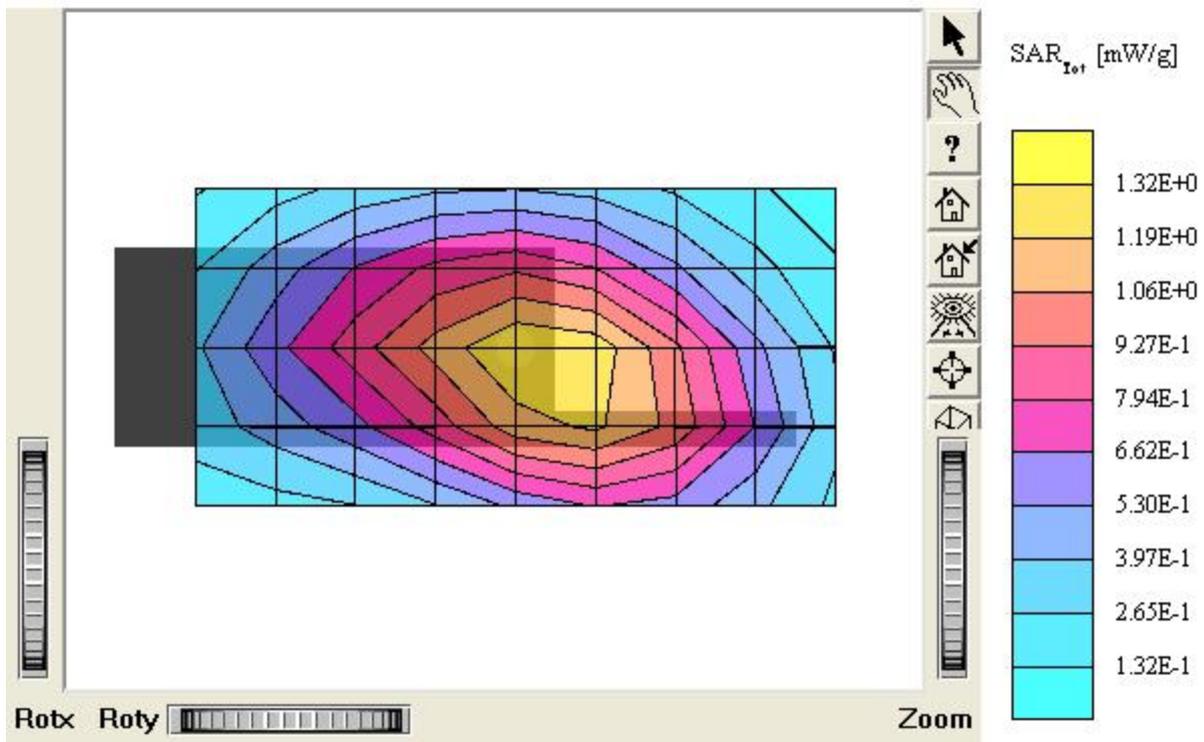
Face / Antenna: in (fixed)

Conducted Power: 4.29W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM I 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  $\epsilon_r = 43.9$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 1.12 mW/g, SAR (10g): 0.791 mW/g

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

Powerdrift: -0.69 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

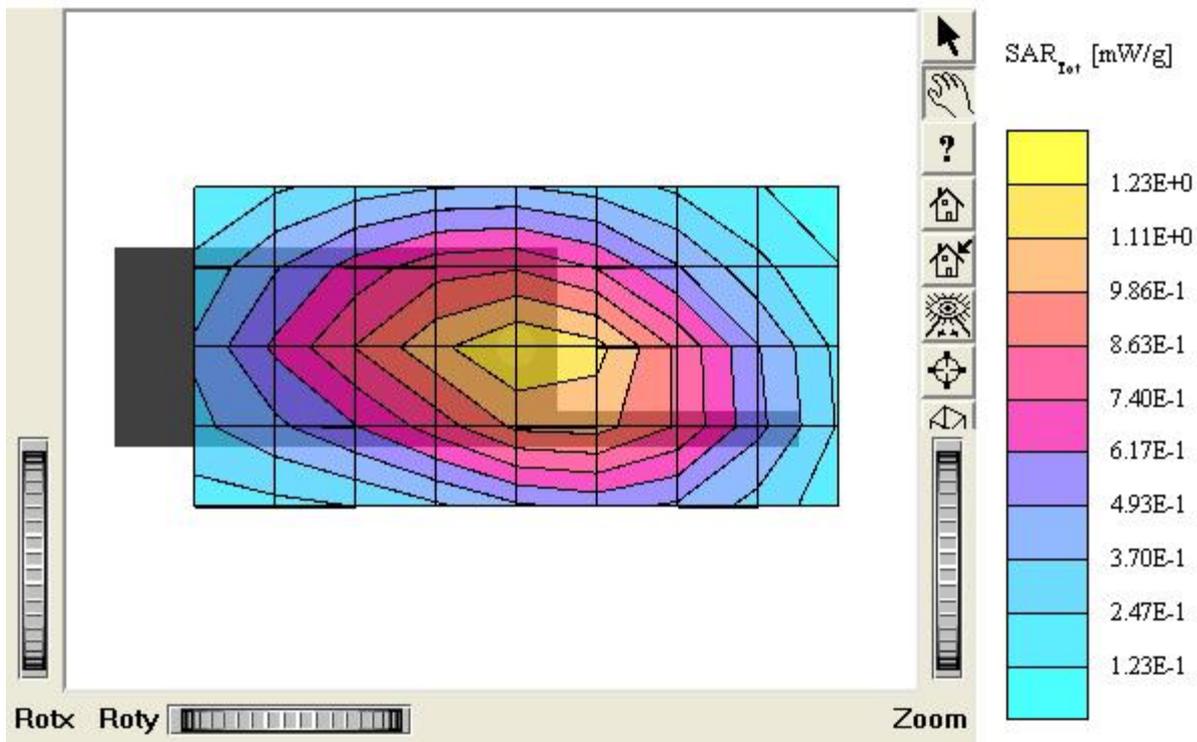
Face / Antenna: in (fixed)

Conducted Power: 4.34W (Battery Type: Bexel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM I 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  $\epsilon_r = 43.9$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7; SAR (1g): 1.31 mW/g, SAR (10g): 0.929 mW/g

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

Powerdrift: -0.38 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

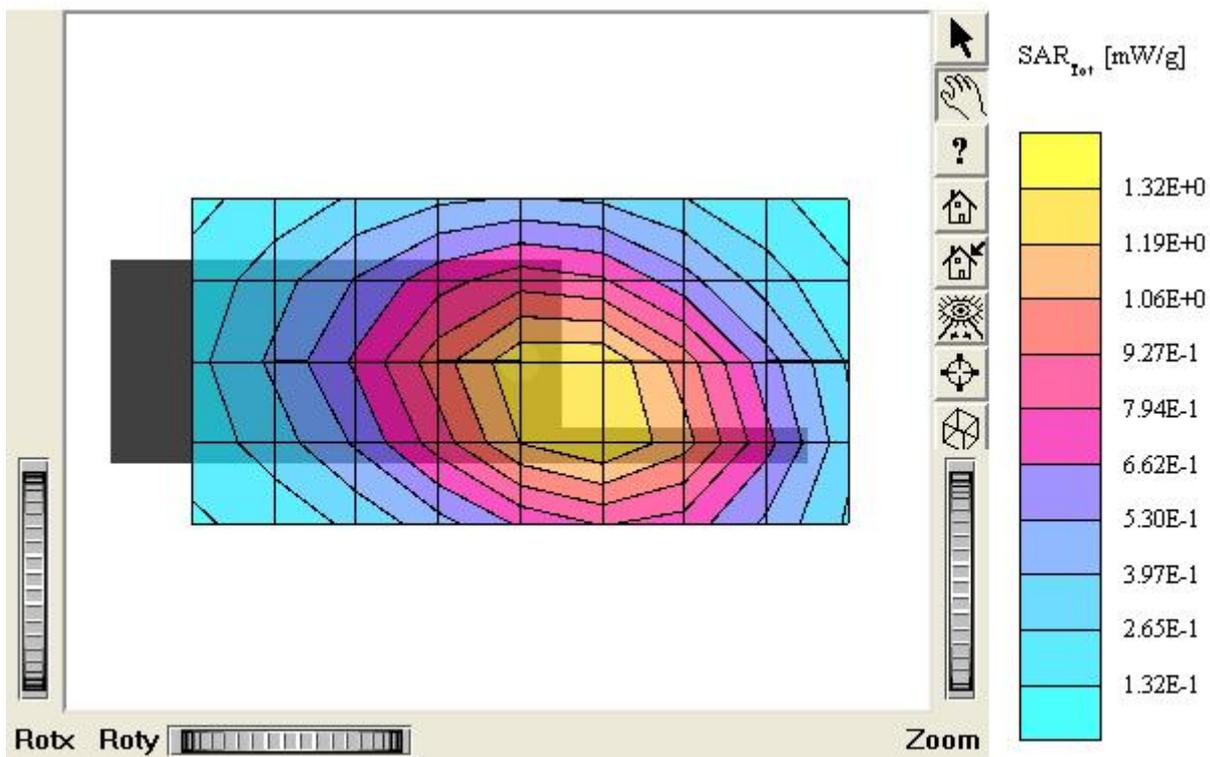
Face / Antenna: in (fixed)

Conducted Power: 3.20W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

SAM 1 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:  $\sigma = 0.94$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.754 mW/g, SAR (10g): 0.508 mW/g

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

Powerdrift: -0.95 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

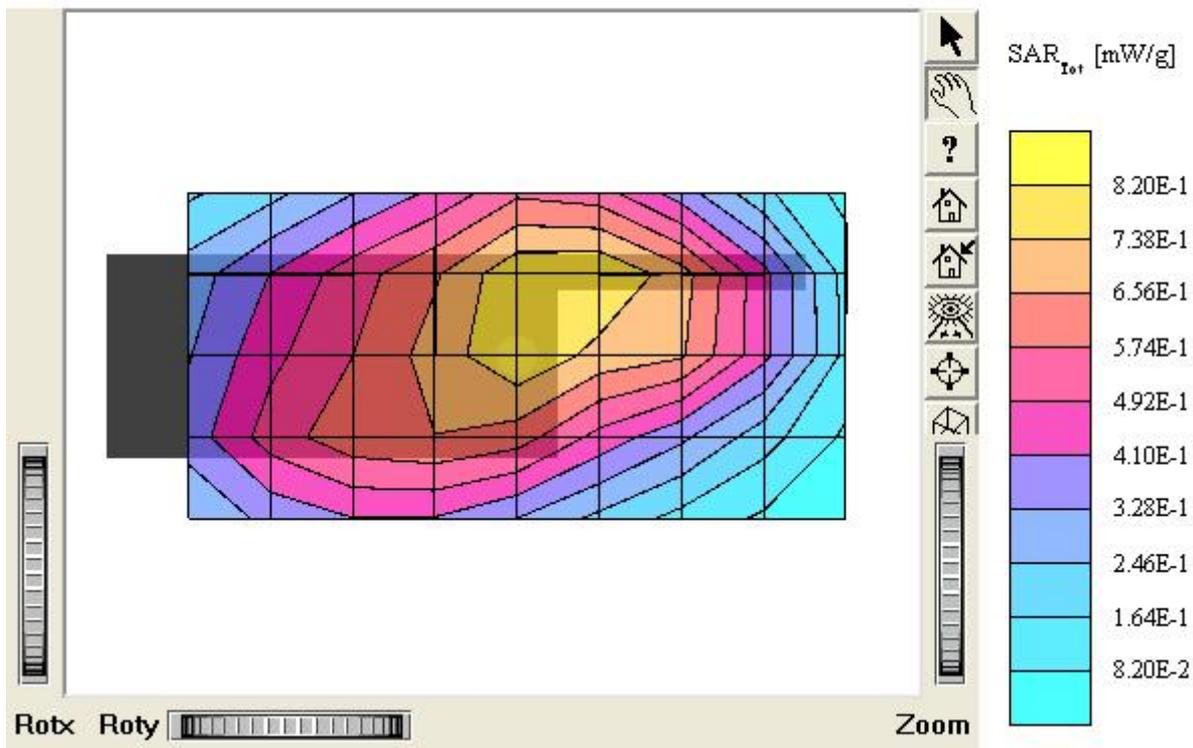
Body / Antenna: in (fixed)

Conducted Power : 4.37W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

SAM I 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:  $\sigma = 0.94$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR(1g): 0.757 mW/g, SAR(10g): 0.516 mW/g

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

Powerdrift: -0.78 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

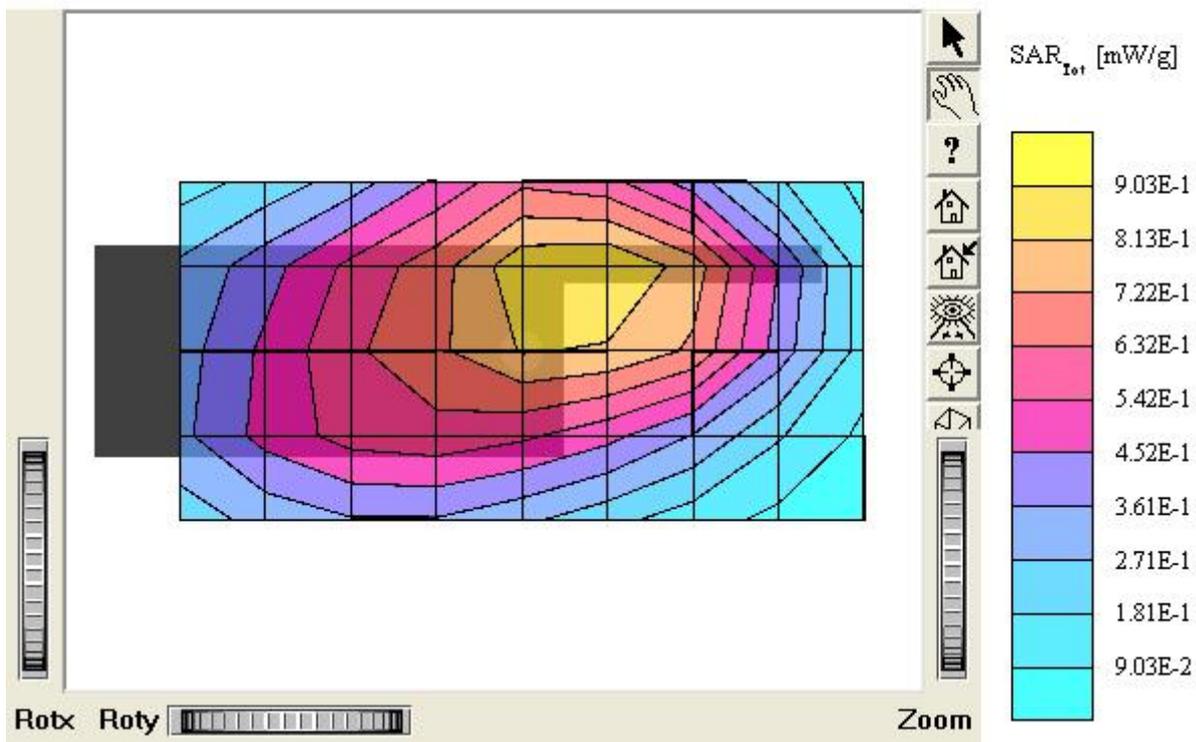
Body / Antenna: in (fixed)

Conducted Power: 4.33W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

SAM I 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:  $\sigma = 0.94 \text{ mho/m}$   $\epsilon_r = 54.3$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR(1g): 0.542 mW/g, SAR(10g): 0.376 mW/g

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

Powerdrift: -1.02 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

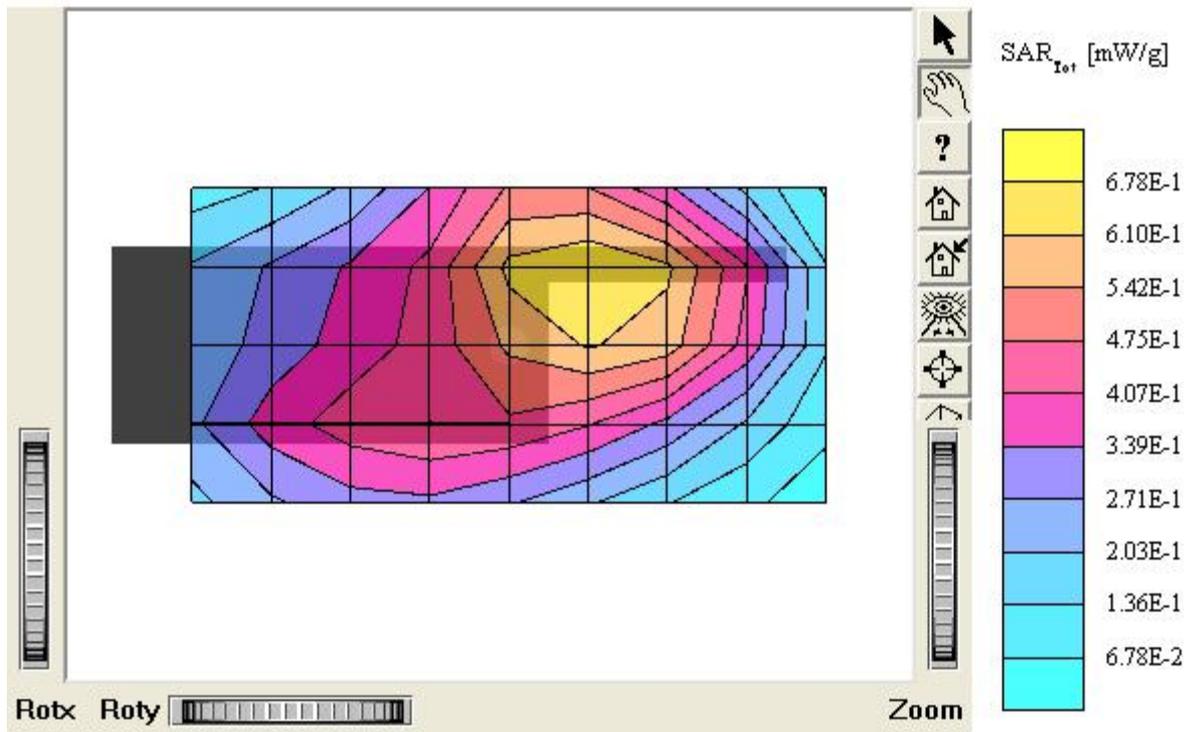
Body / Antenna: in (fixed)

Conducted Power: 4.28W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

SAM I 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:  $\sigma = 0.94 \text{ mho/m}$   $\epsilon_r = 54.3$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR(1g): 0.252 mW/g, SAR(10g): 0.173 mW/g

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

Powerdrift: -0.75 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

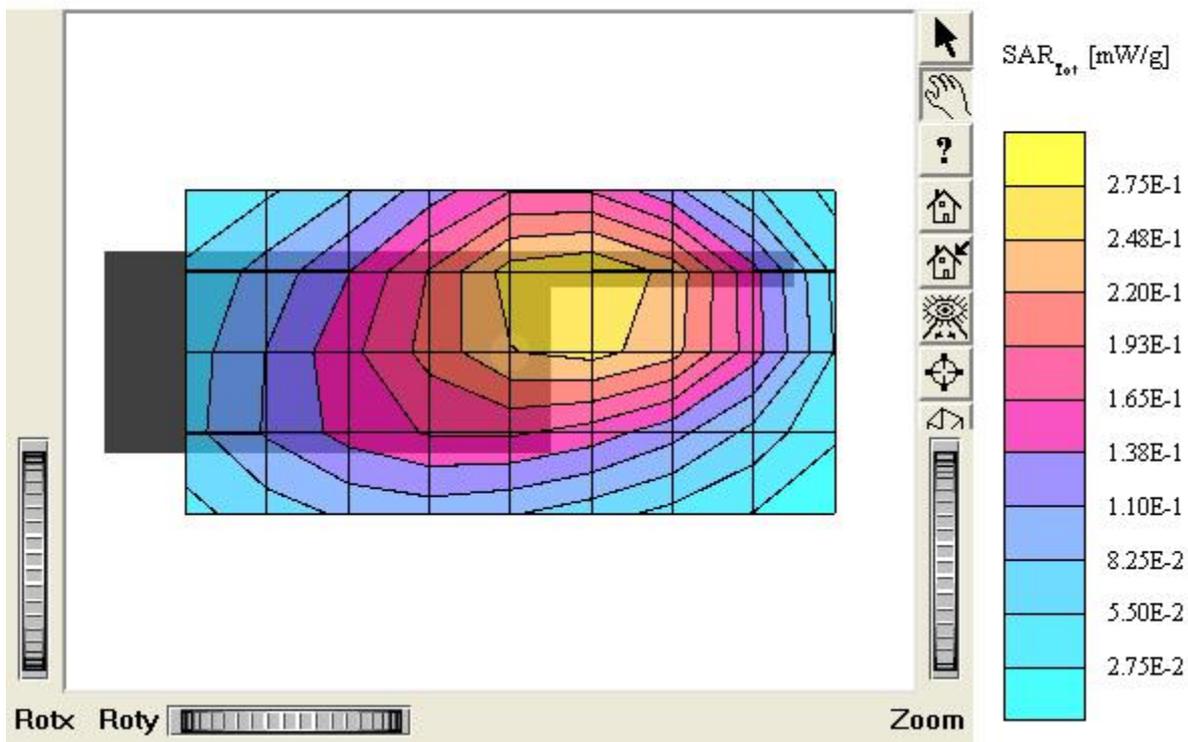
Body / Antenna: in (fixed)

Conducted Power: 0.544W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

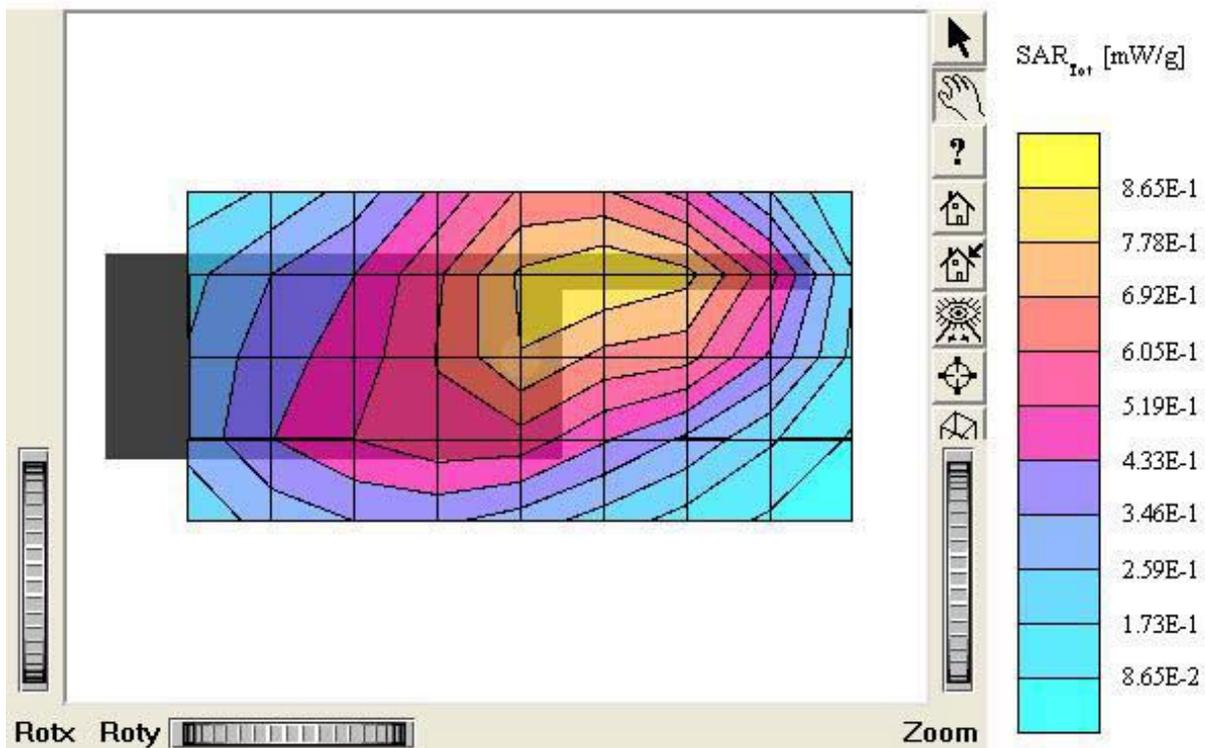
Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

SAM I 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:  $\sigma = 0.94$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.753 mW/g, SAR (10g): 0.516 mW/g  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Powerdrift: -1.03 dB  
Comment:  
FCC ID : MMAGXT555  
Company : Midland Radio Corporation.  
Body / Antenna: in (fixed)  
Conducted Power: 4.45W (Battery Type: Energizer)  
Mode: FM GMRS Channel: 15 (462.5500 MHz)  
Liquid Temperature : 21.8 °C  
Date Tested : April 30, 2005



## GXT555 (Body)

SAM I 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:  $\sigma = 0.94 \text{ mho/m}$   $\epsilon_r = 54.3$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.698 mW/g, SAR (10g): 0.476 mW/g

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

Powerdrift: -1.04 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

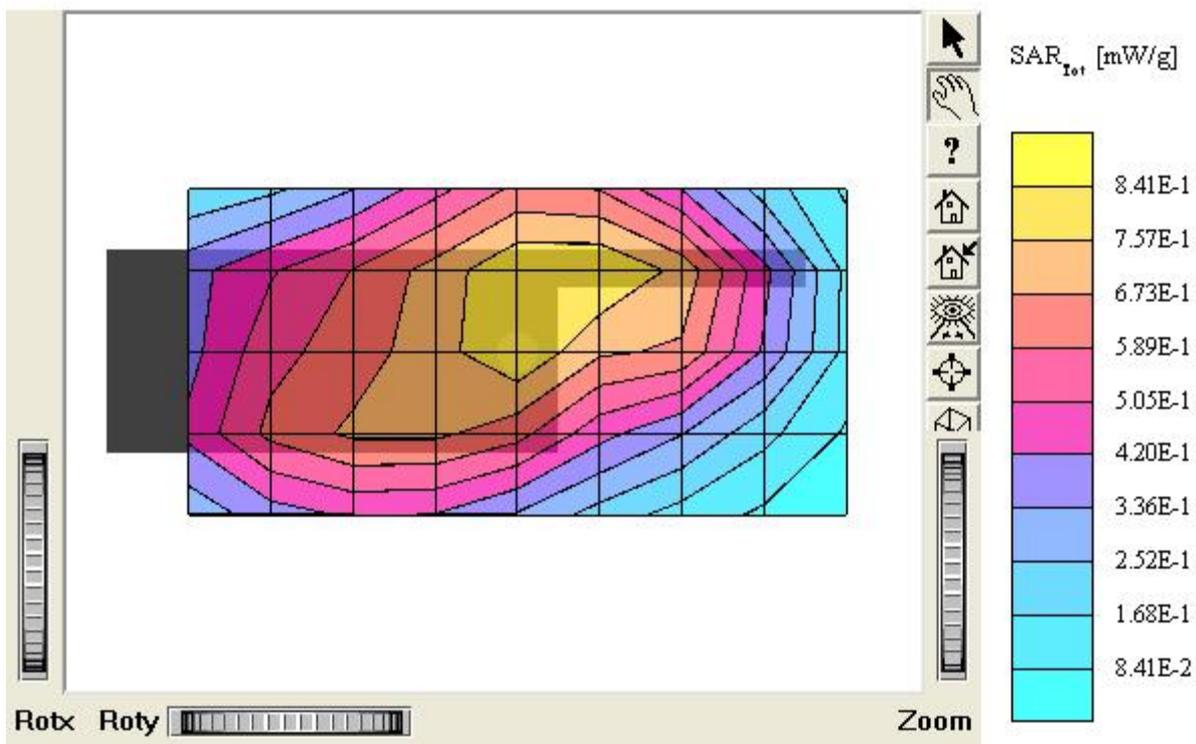
Body / Antenna: in (fixed)

Conducted Power: 4.48W (Battery Type: Bexel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

SAM I 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:  $\sigma = 0.94$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7; SAR(1g): 0.998 mW/g, SAR(10g): 0.691 mW/g

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

Powerdrift: -0.27 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

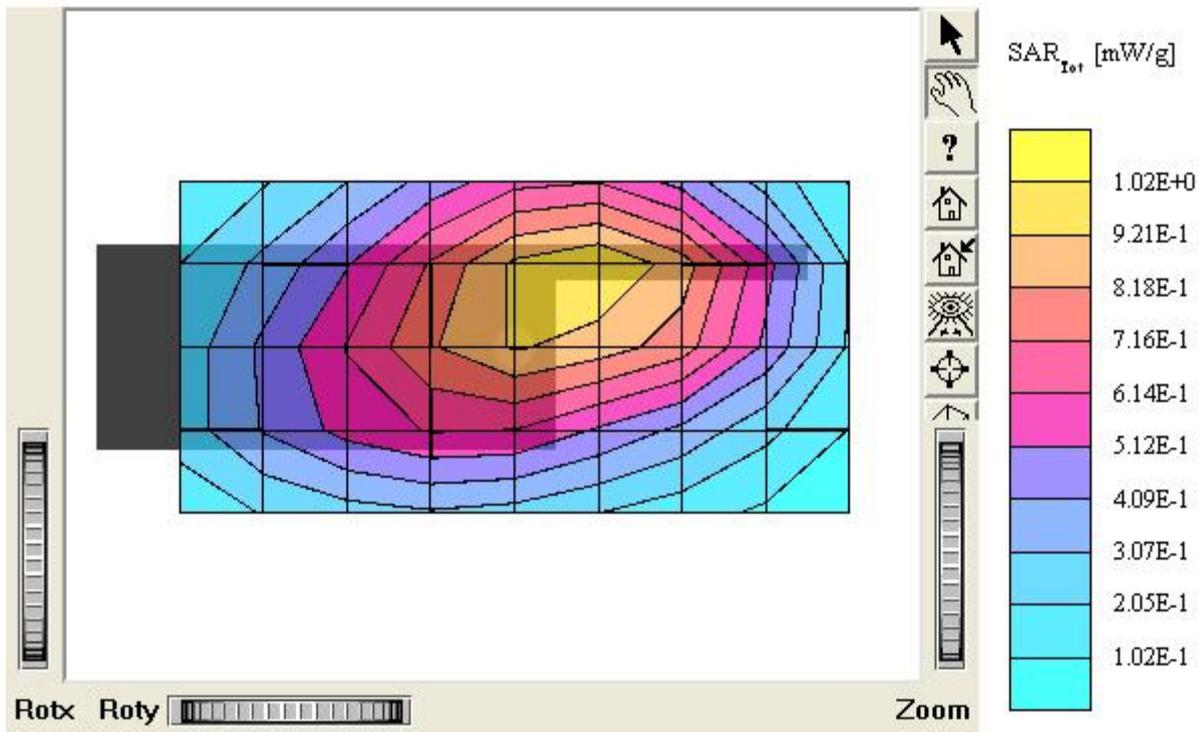
Body / Antenna: in (fixed)

Conducted Power: 3.22W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

SAM I 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:  $\sigma = 0.86 \text{ mho/m}$ ,  $\epsilon_r = 43.9$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.30 mW/g, SAR (10g): 0.900 mW/g

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

Powerdrift: 0.01 dB

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

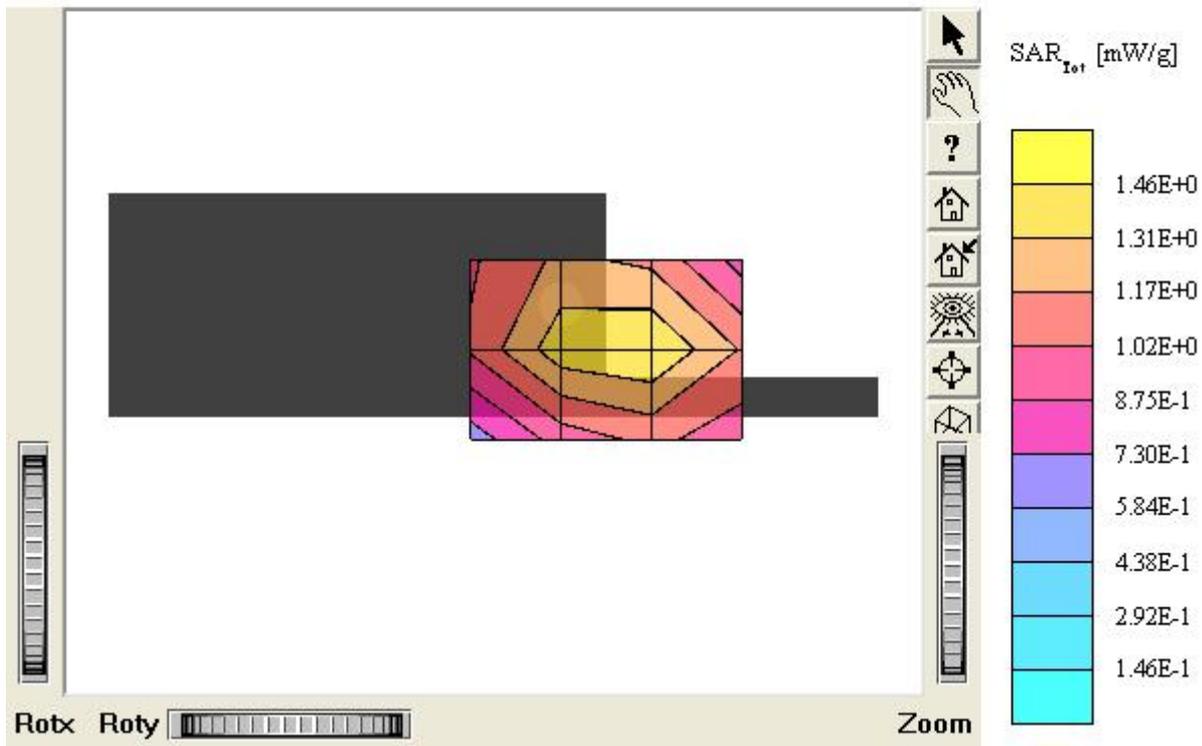
Face / Antenna: in (fixed)

Conducted Power: 3.20W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555

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

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Head 450 MHz:  $\sigma = 0.86 \text{ mho/m}$   $\epsilon_r = 43.9$   $\rho =$

1.00 g/cm<sup>3</sup>

:

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

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

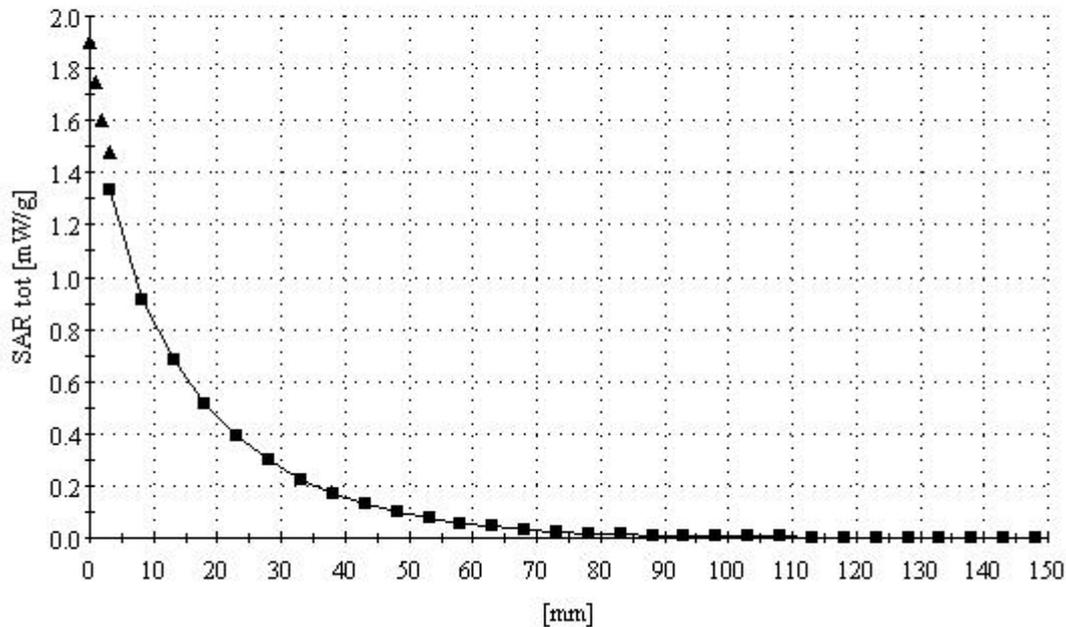
Face / Antenna: in (fixed)

Conducted Power: 3.20W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005



## GXT555 (Body)

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

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz:  $\sigma = 0.94$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

:

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

Comment:

FCC ID : MMAGXT555

Company : Midland Radio Corporation.

Body / Antenna: in (fixed)

Conducted Power: 3.22W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : April 30, 2005

