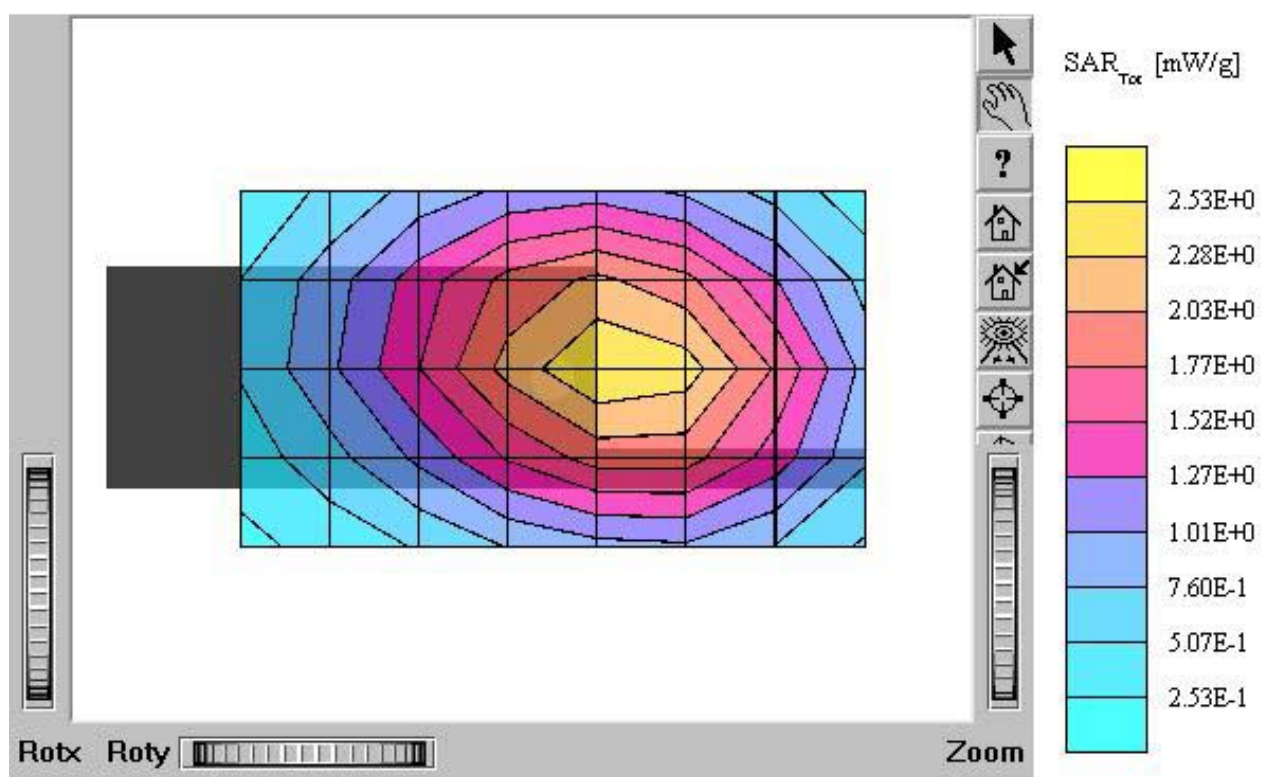


APPENDIX A – SAR TEST PLOTS

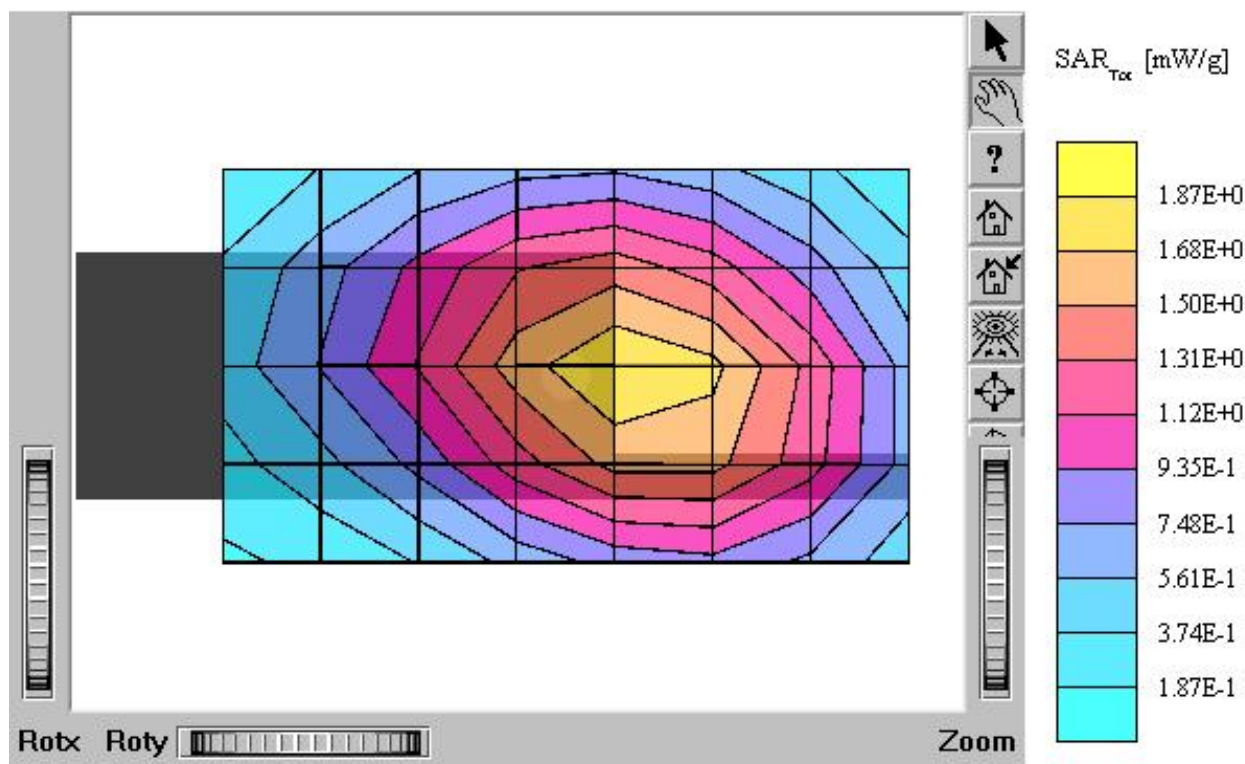
GXT-500

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; Brain 450 MHz: $s = 0.86$
 $\rho_{\text{ho/m}}$ $\epsilon_r = 43.8$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 2.14 mW/g, SAR (10g): 1.54 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.83 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power : 4.24W (Battery Type: Energizer)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



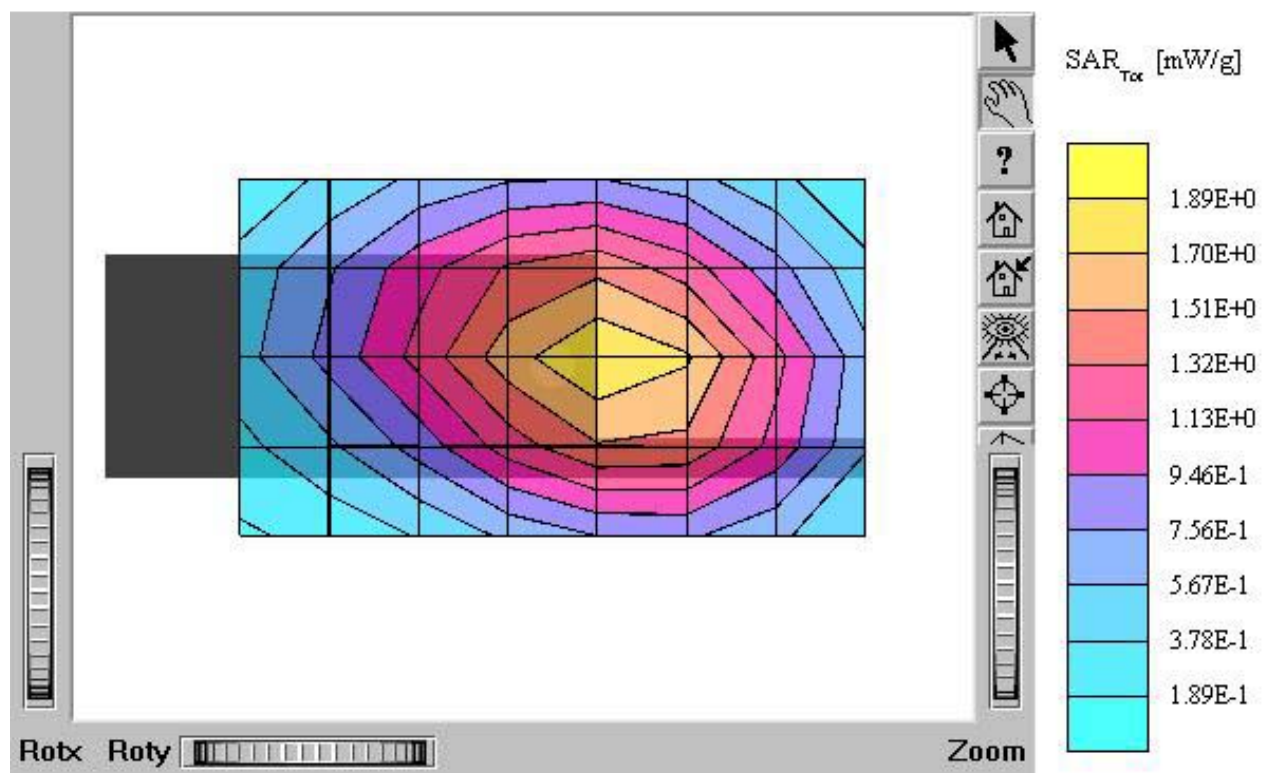
GXT-500

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; Brain 450 MHz: $s = 0.86$
 mho/m $\epsilon_r = 43.8$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.64 mW/g, SAR (10g): 1.18 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.83 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power: 4.33W (Battery Type: Energizer)
Mode: FM GMRS Channel: 15 (462.5500 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



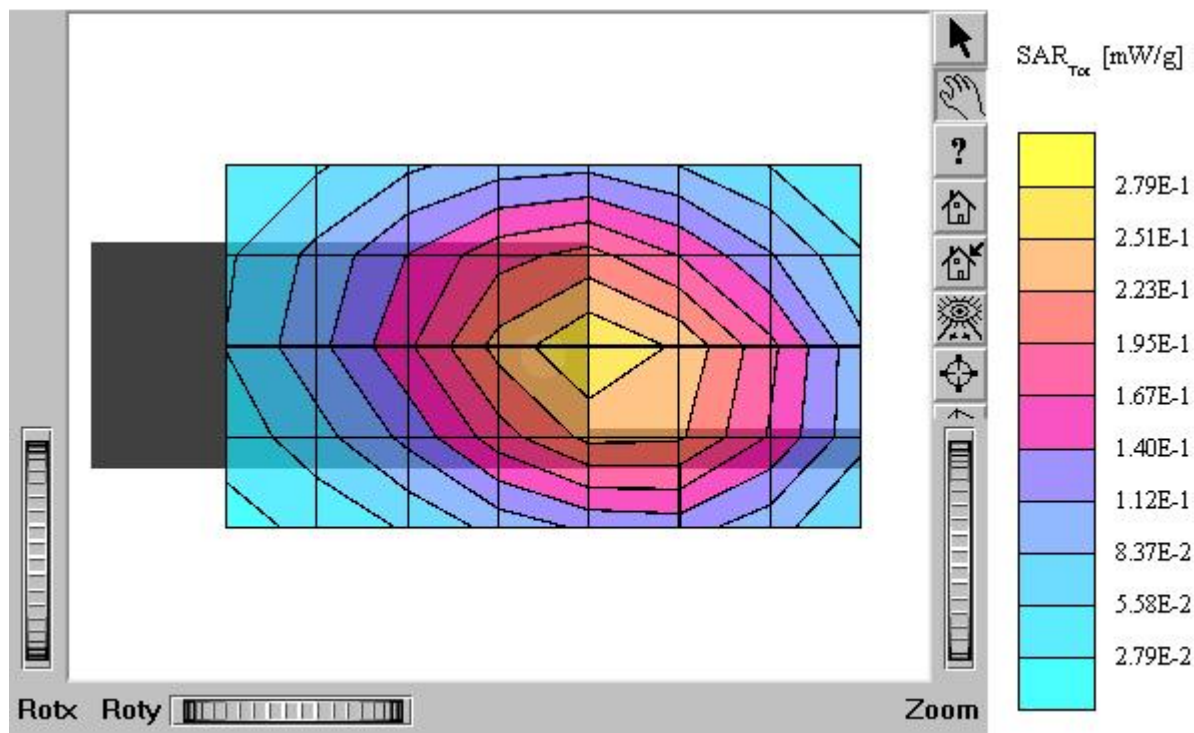
GXT-500

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; Brain 450 MHz: $s = 0.86$
 $\rho_{\text{ho/m}} = 43.8$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 1.67 mW/g, SAR (10g): 1.19 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.93 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power: 4.28W (Battery Type: Energizer)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



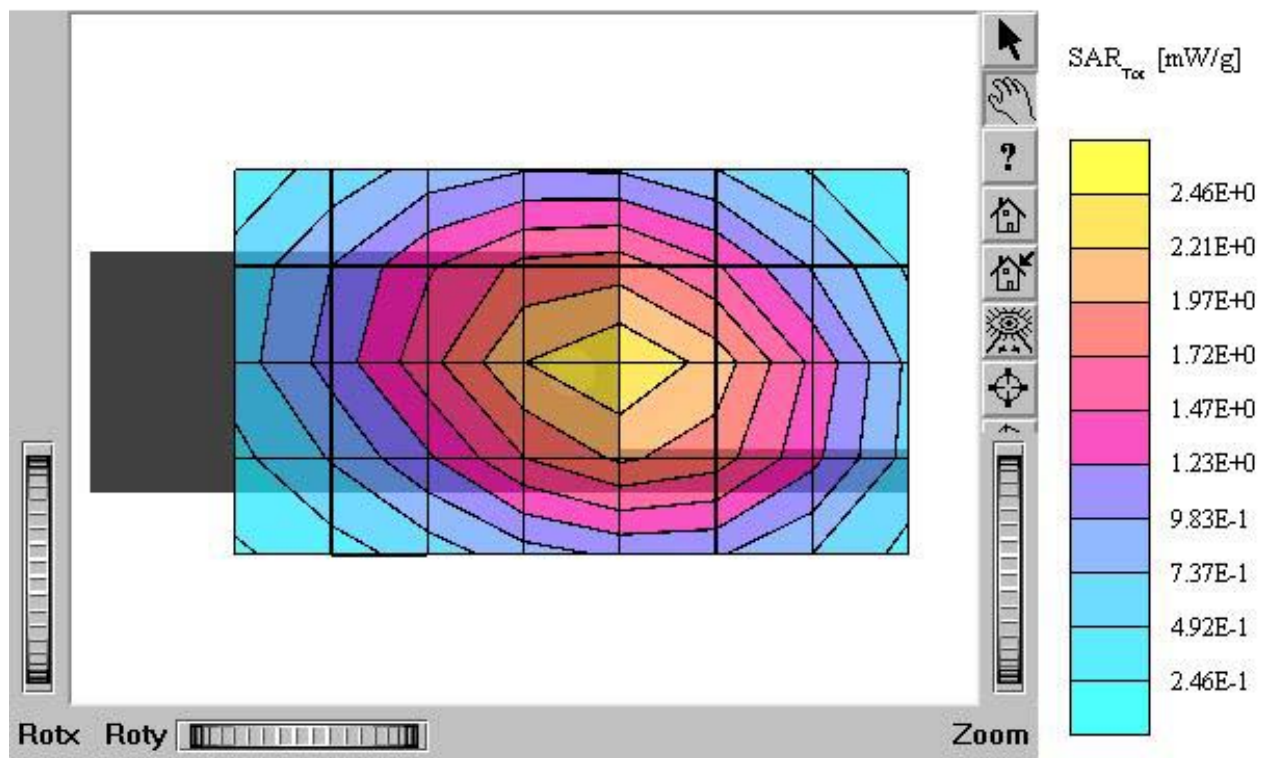
GXT-500

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; Brain 450 MHz: $s = 0.86$
 ρ/m $\epsilon_r = 43.8$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.234 mW/g, SAR (10g): 0.168 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.93 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power: 0.538W (Battery Type: Energizer)
Mode: FM GMRS Channel: 8 (467.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



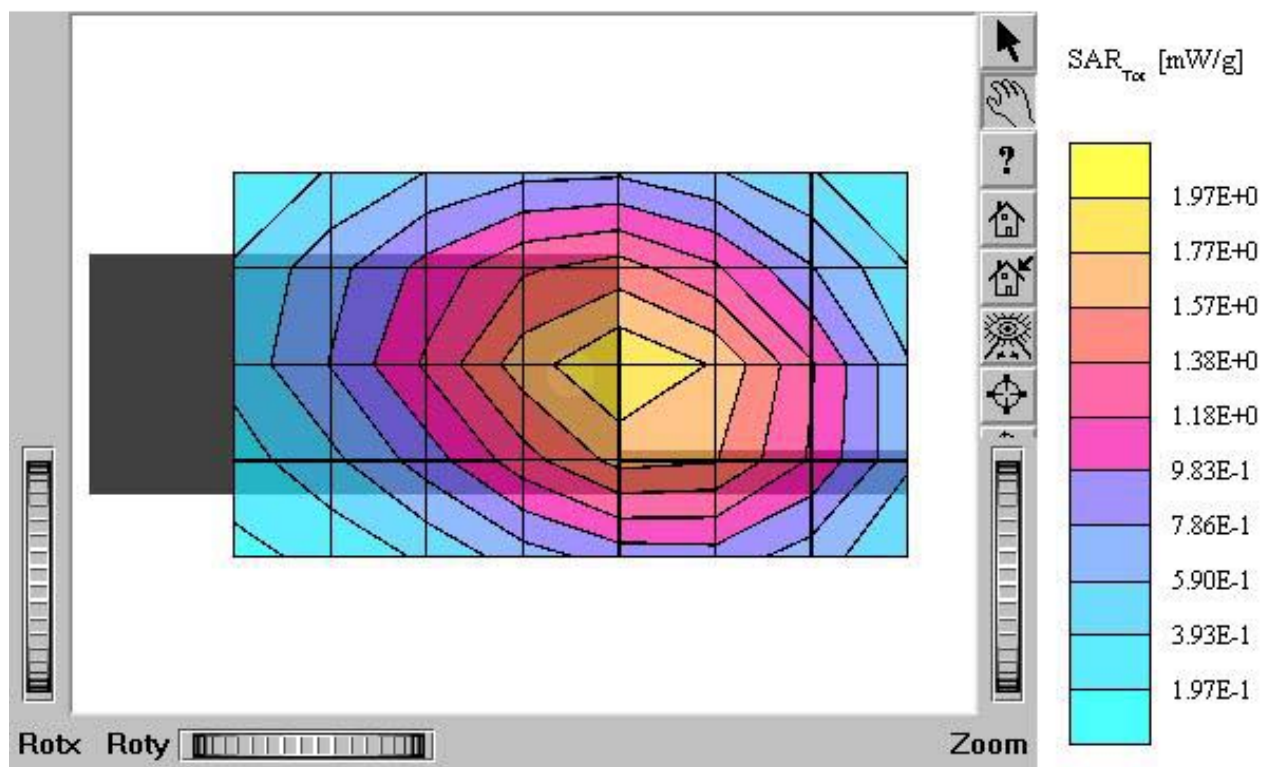
GXT-500

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; Brain 450 MHz: $s = 0.86$
 ρ/m , $\epsilon_r = 43.8$, $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 2.09 mW/g, SAR (10g): 1.49 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -1.04 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power: 4.43W (Battery Type: Rocket)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



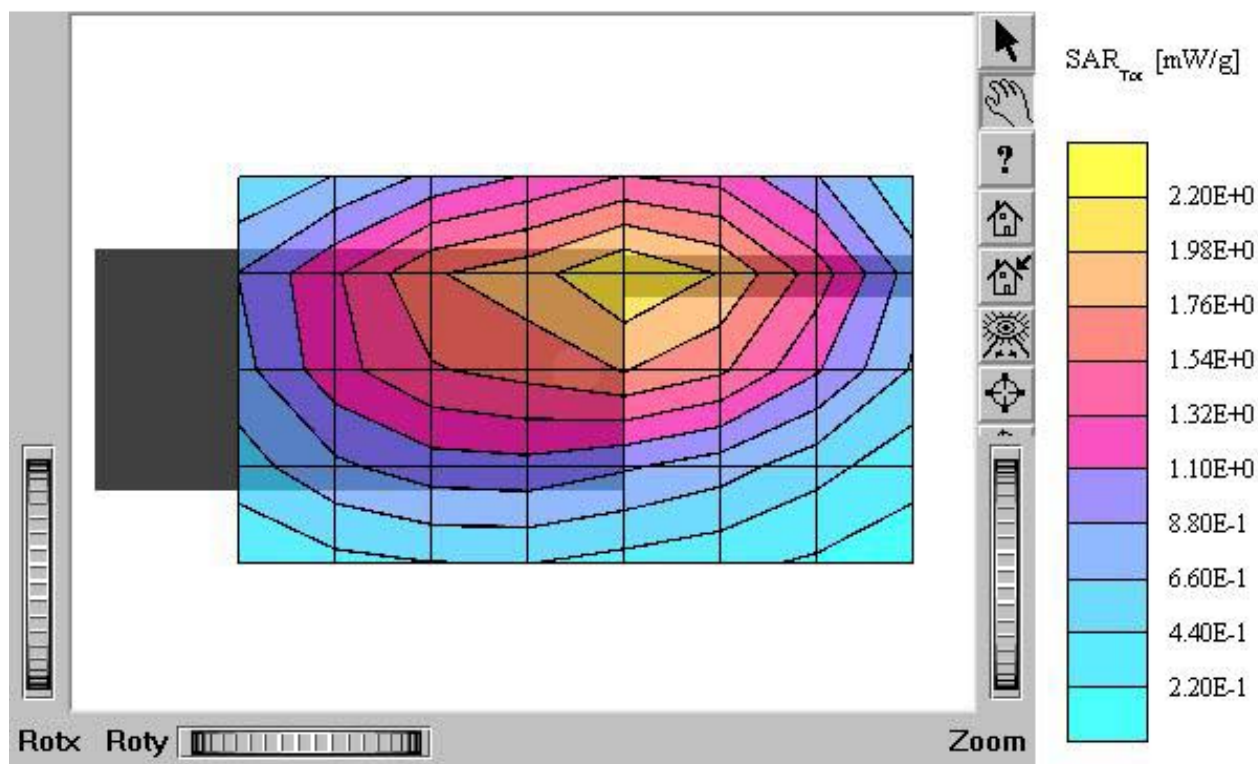
GXT-500

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; Brain 450 MHz: $s = 0.86$
 $\rho_{\text{mho/m}}$ $\epsilon_r = 43.8$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.65 mW/g, SAR (10g): 1.19 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.83 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power: 4.55W (Battery Type: Duracell)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



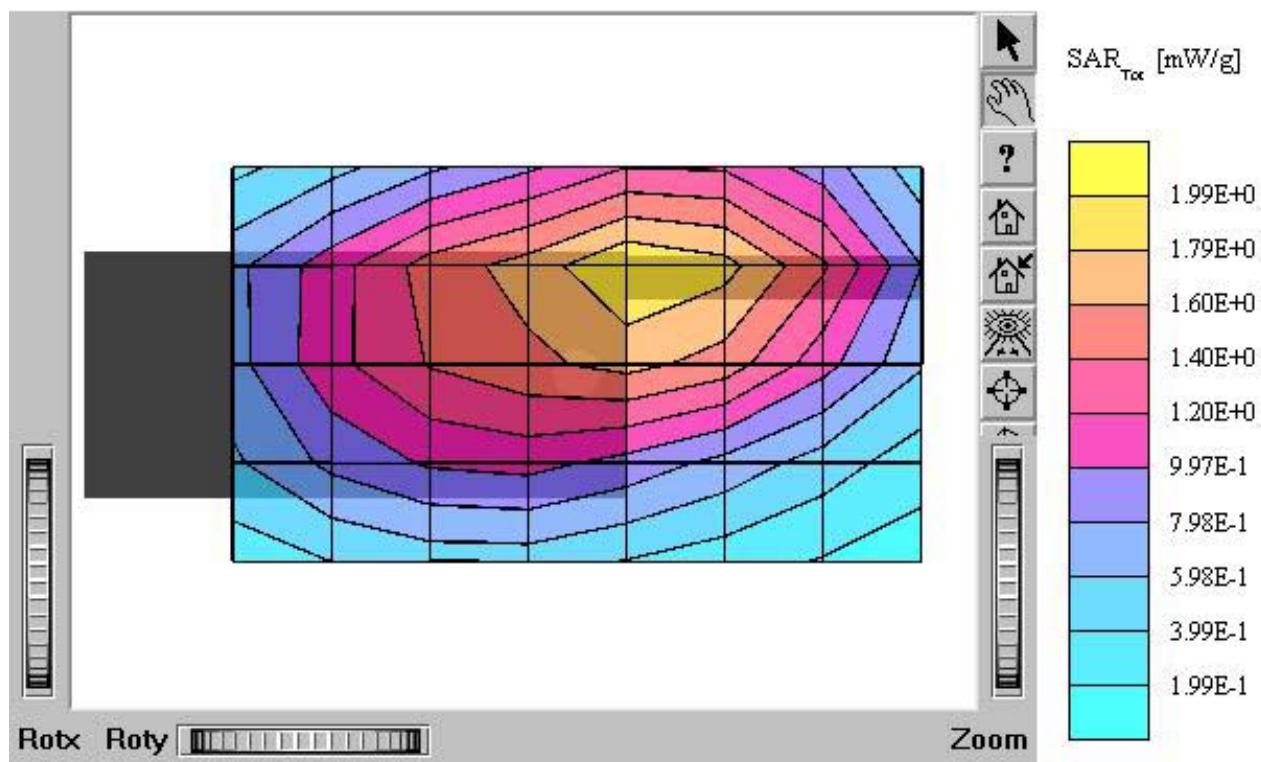
GXT-500

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: $s = 0.93$
 mho/m , $\epsilon_r = 55.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 1.99 mW/g, SAR (10g): 1.37 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.88 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Body / Antenna: in (fixed)
Conducted Power : 4.22W (Battery Type: Energizer)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



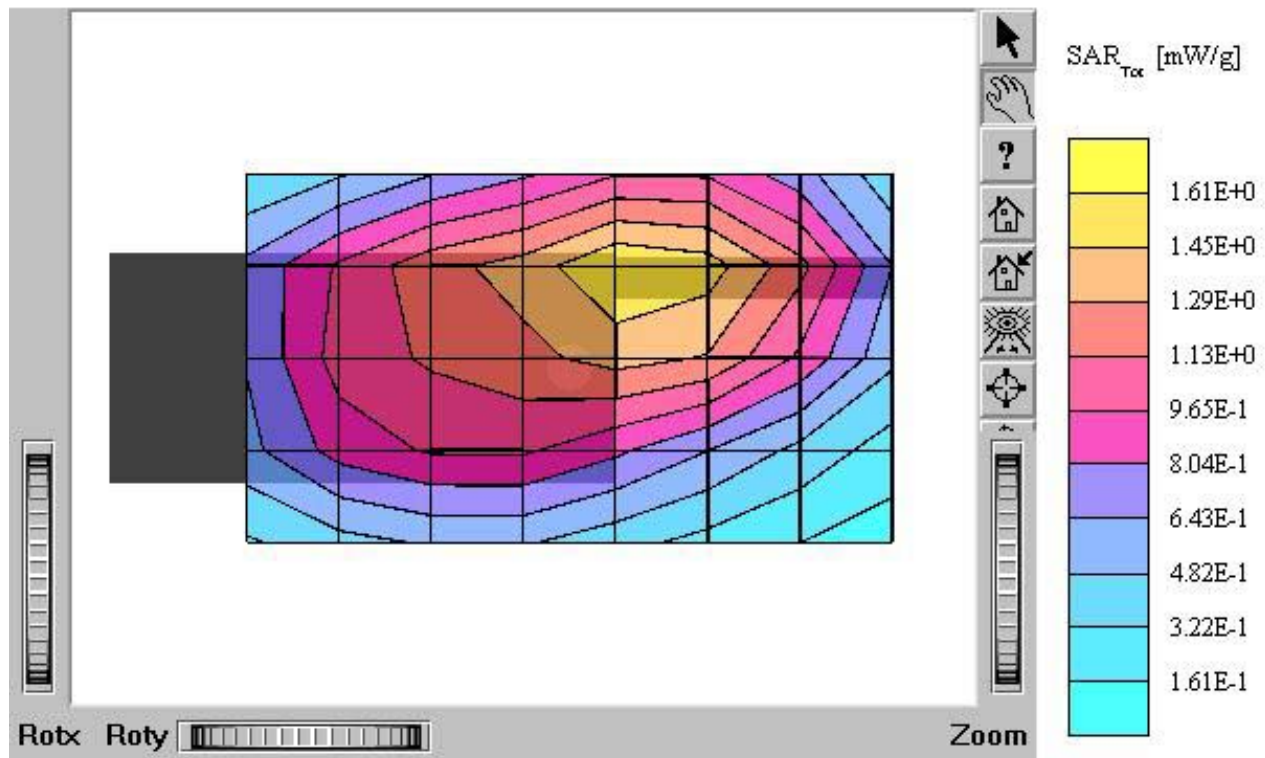
GXT-500

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: $s = 0.93$
 mho/m , $\epsilon_r = 55.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.83 mW/g, SAR (10g): 1.25 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.91 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Body / Antenna: in (fixed)
Conducted Power: 4.35W (Battery Type: Energizer)
Mode: FM GMRS Channel: 15 (462.5500 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



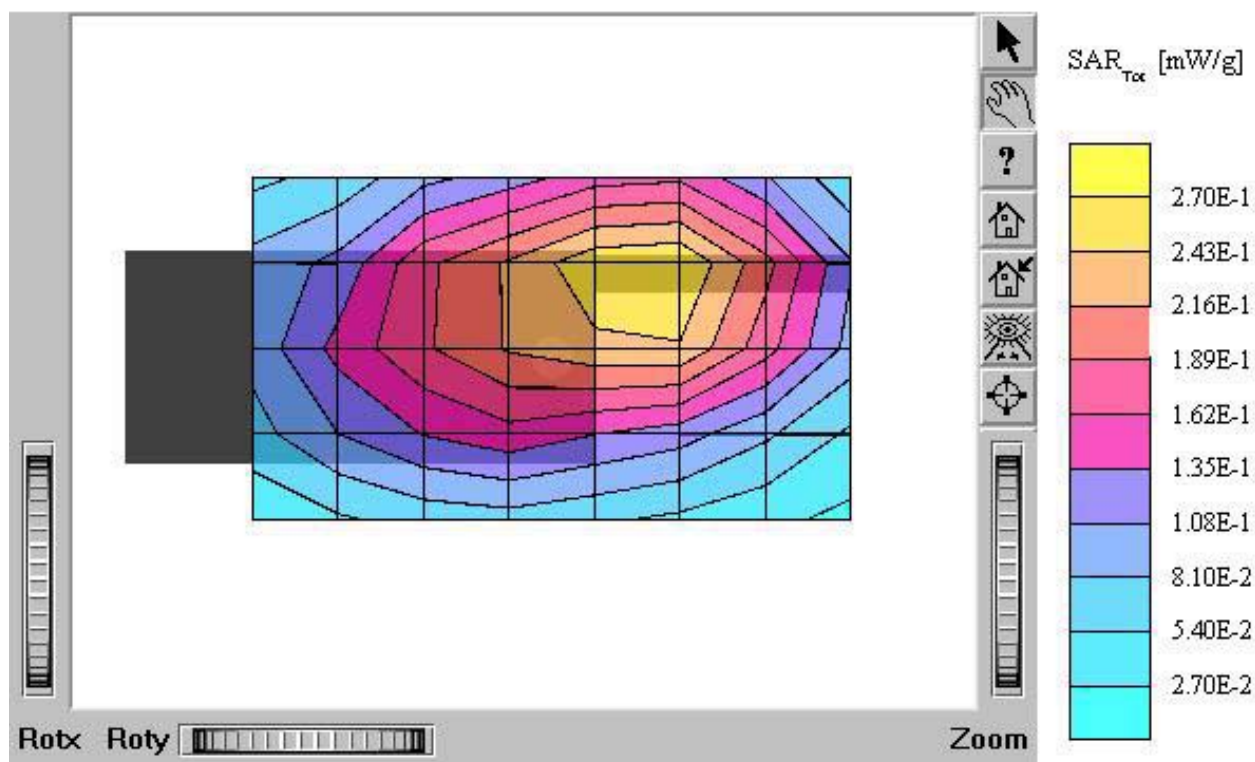
GXT-500

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: $s = 0.93$
 mho/m , $\epsilon_r = 55.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 1.46 mW/g, SAR (10g): 0.994 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.95 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Body / Antenna: in (fixed)
Conducted Power: 4.26W (Battery Type: Energizer)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



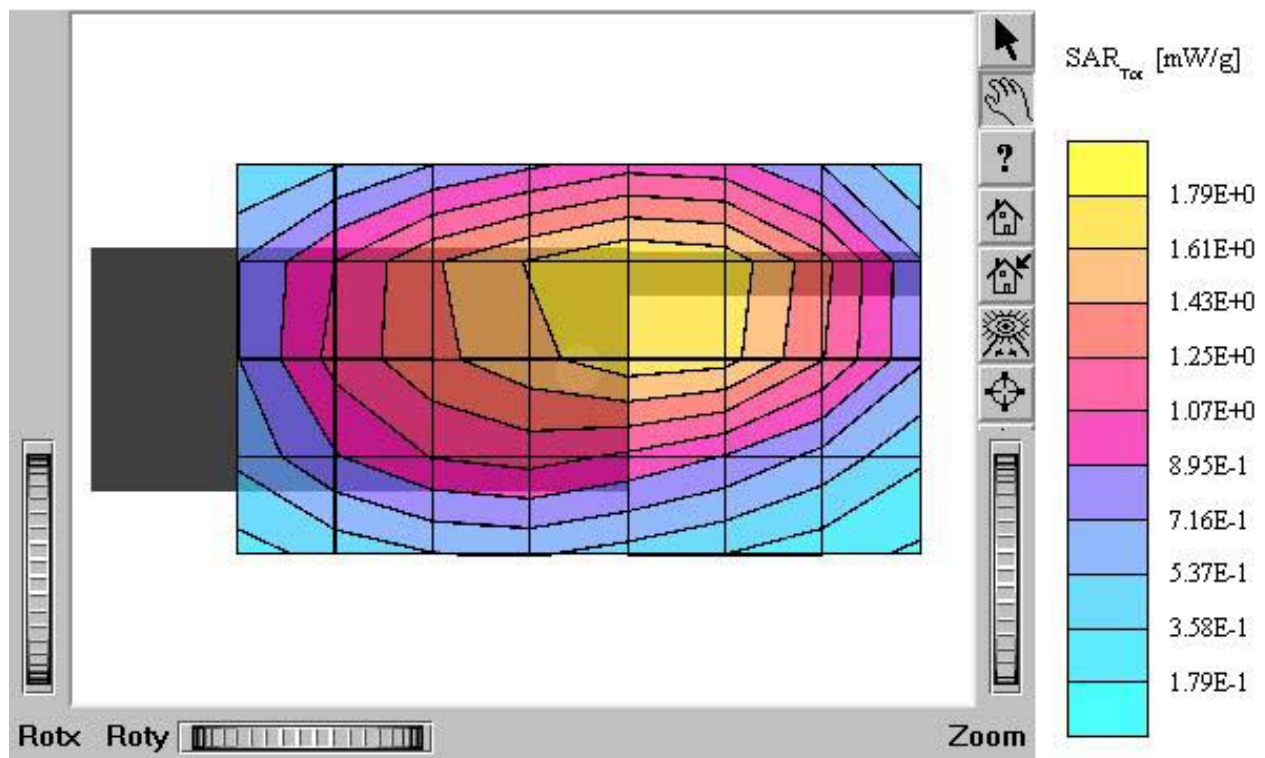
GXT-500

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: $s = 0.93$
 mho/m , $\epsilon_r = 55.0$, $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.201 mW/g, SAR (10g): 0.137 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.72 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Body / Antenna: in (fixed)
Conducted Power: 0.535W (Battery Type: Energizer)
Mode: FM GMRS Channel: 8 (467.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



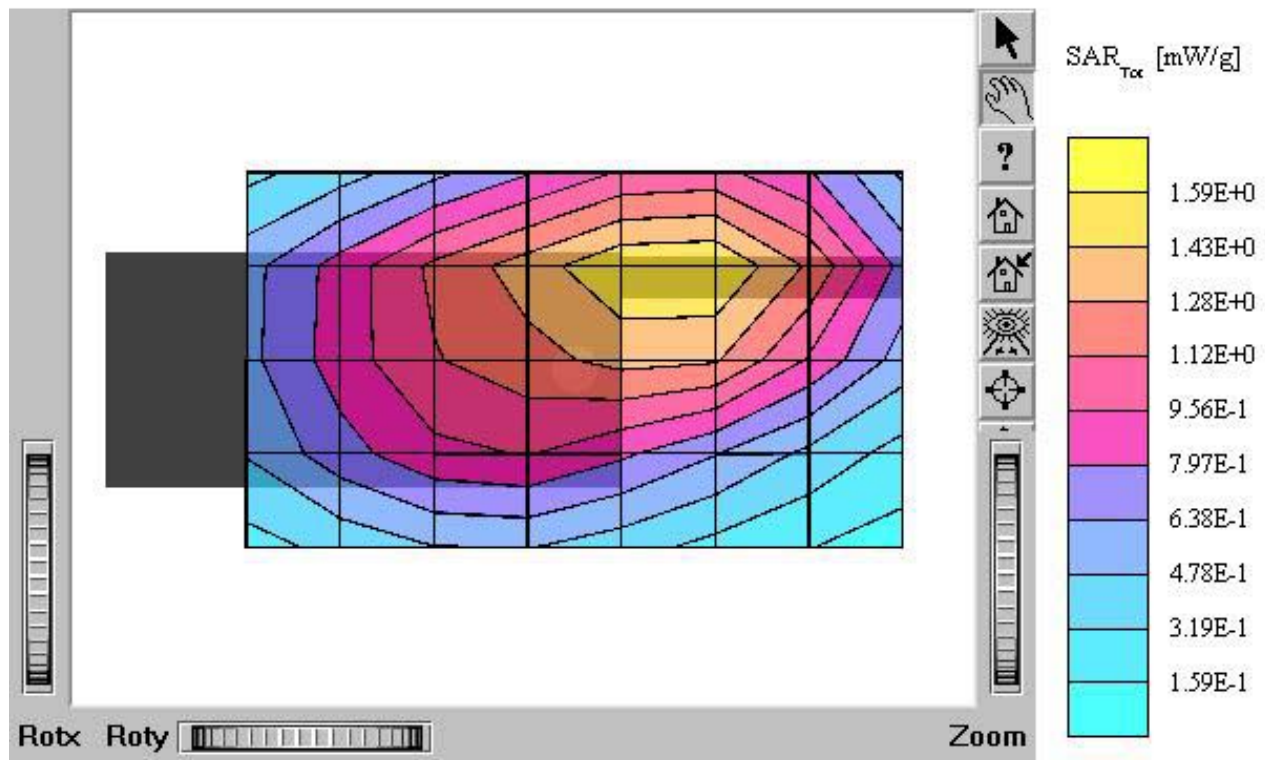
GXT-500

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: $s = 0.93$
 mho/m , $\epsilon_r = 55.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.75 mW/g, SAR (10g): 1.21 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.78 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Body / Antenna: in (fixed)
Conducted Power: 4.45W (Battery Type: Rocket)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



GXT-500

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: $s = 0.93$
 mho/m , $\epsilon_r = 55.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.53 mW/g, SAR (10g): 1.04 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -1.05 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Body / Antenna: in (fixed)
Conducted Power: 4.53W (Battery Type: Duracell)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : January 19, 2005



GXT-500

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

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $s = 0.86$ $\rho_{\text{ho/m}} e_r = 43.8$ $r = 1.00$ g/cm³

:

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

Comment:

FCC ID : MMAGXT500

Company : Midland Radio Corporation.

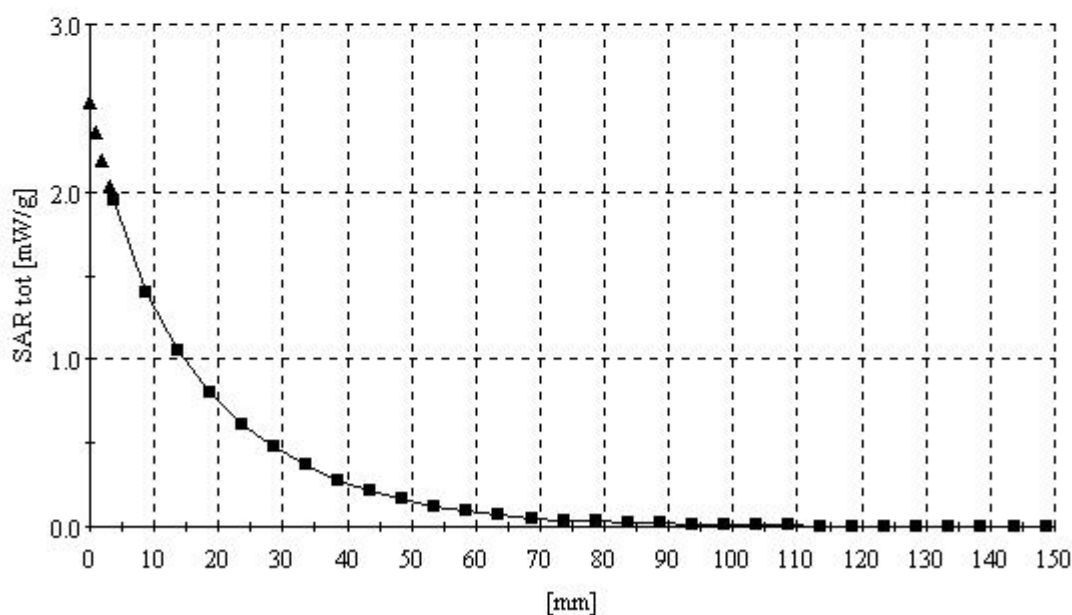
Face / Antenna: in (fixed)

Conducted Power : 4.24W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.5 °C

Date Tested : January 19, 2005



GXT-500

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: $s = 0.93$
 $\rho = 55.0$ g/cm³Z-Axis: $D_x = 0.0$, $D_y = 0.0$, $D_z = 5.0$

Comment:

FCC ID : MMAGXT500

Company : Midland Radio Corporation.

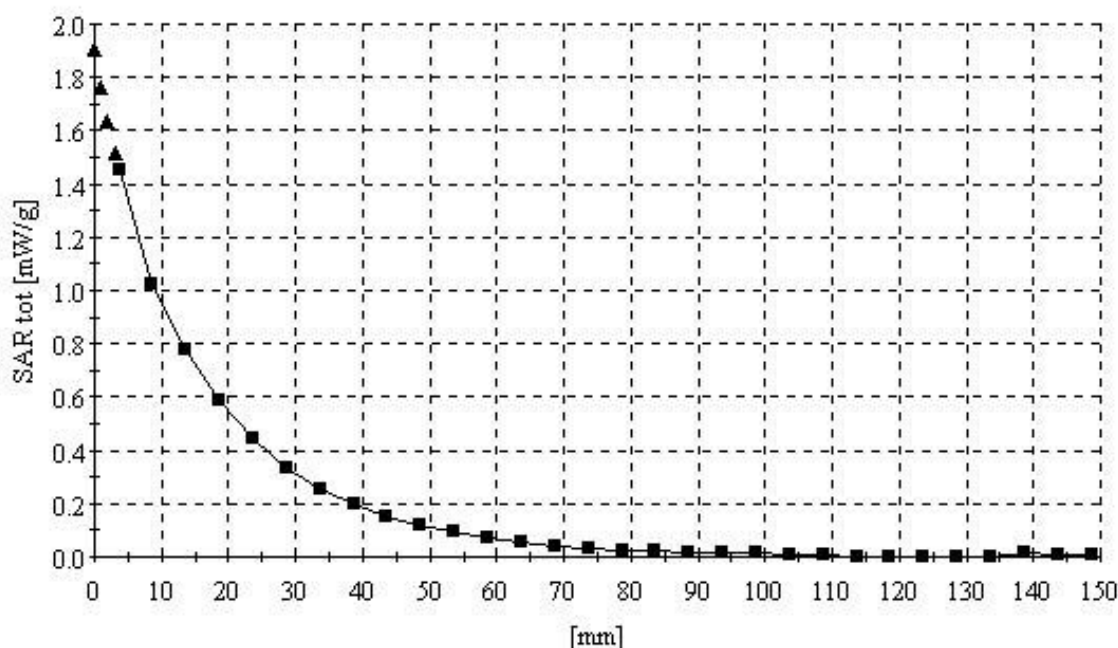
Body / Antenna: in (fixed)

Conducted Power : 4.22W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

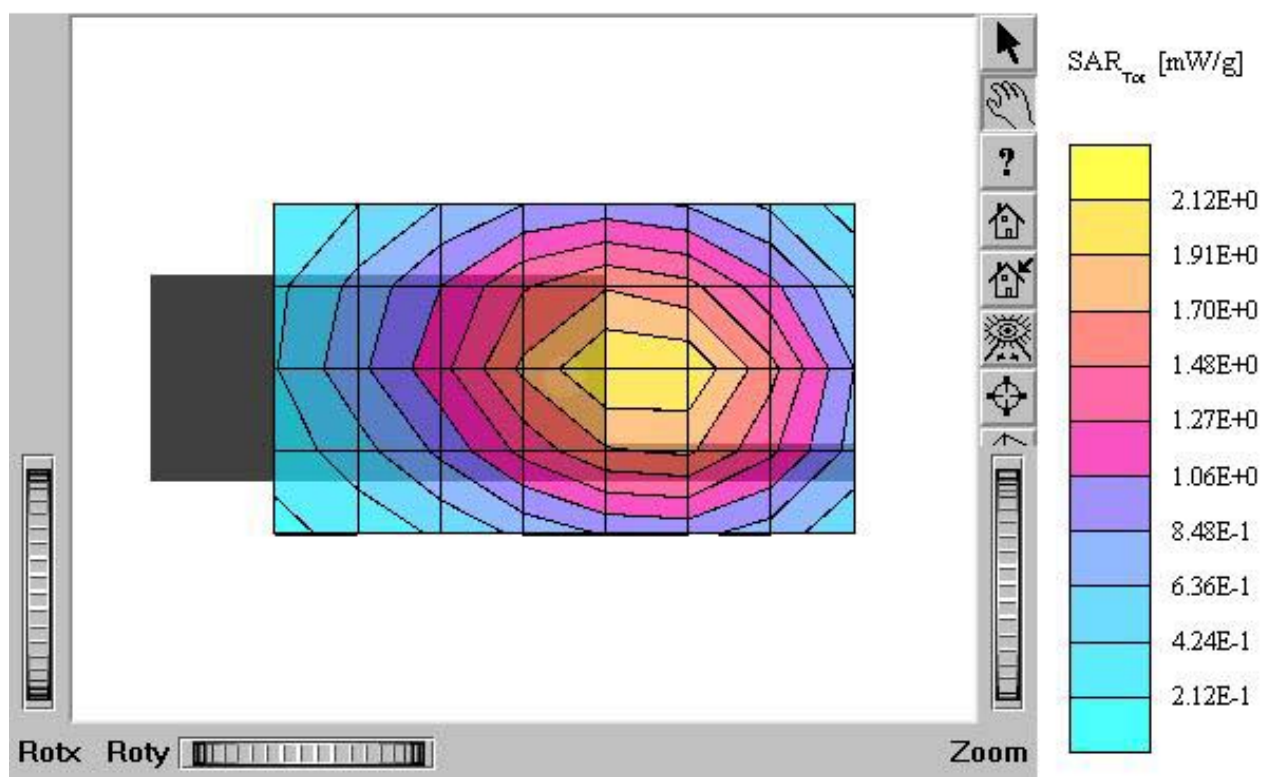
Liquid Temperature : 21.5 °C

Date Tested : January 19, 2005



GXT-500

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; Brain 450 MHz: $s = 0.86$
 $\rho_{\text{mho/m}}$, $\epsilon_r = 43.9$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.99 mW/g, SAR (10g): 1.41 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.64 dB
Comment:
FCC ID : MMAGXT500
Company : Midland Radio Corporation.
Face / Antenna: in (fixed)
Conducted Power : 3.43W (Battery Type: POWTEK)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature : 21.5 °C
Date Tested : February 15, 2005



GXT-500

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; Brain 450 MHz: $\sigma = 0.83$ mho/m $\epsilon_r = 43.9$ $\rho =$

1.00 g/cm³

Cube 5x5x7: SAR (1g): 2.19 mW/g, SAR (10g): 1.57 mW/g

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

Powerdrift: 0.05 dB

Comment :

FCC ID : MMAGXT500

Company : Midland Radio Corporation.

Face / Antenna: in (fixed)

Conducted Power : 4.23W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.5 °C

Date Tested : February 15, 2005

