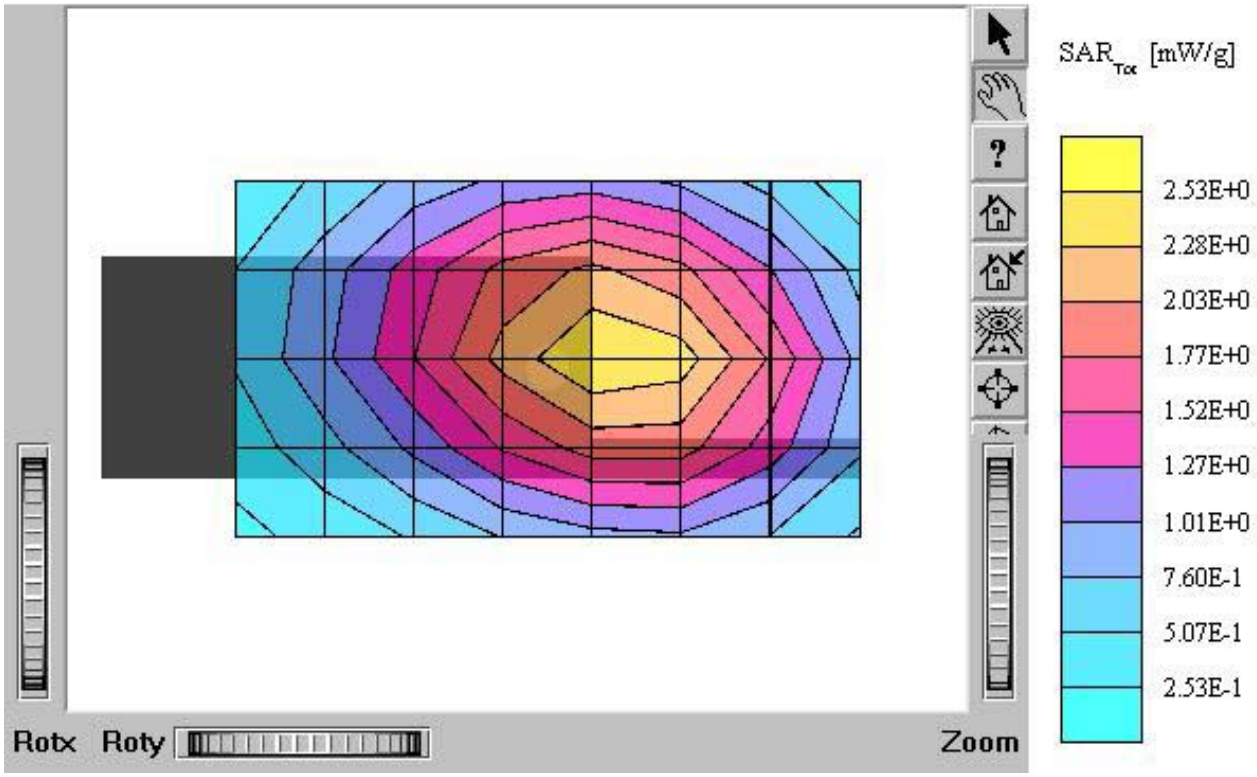
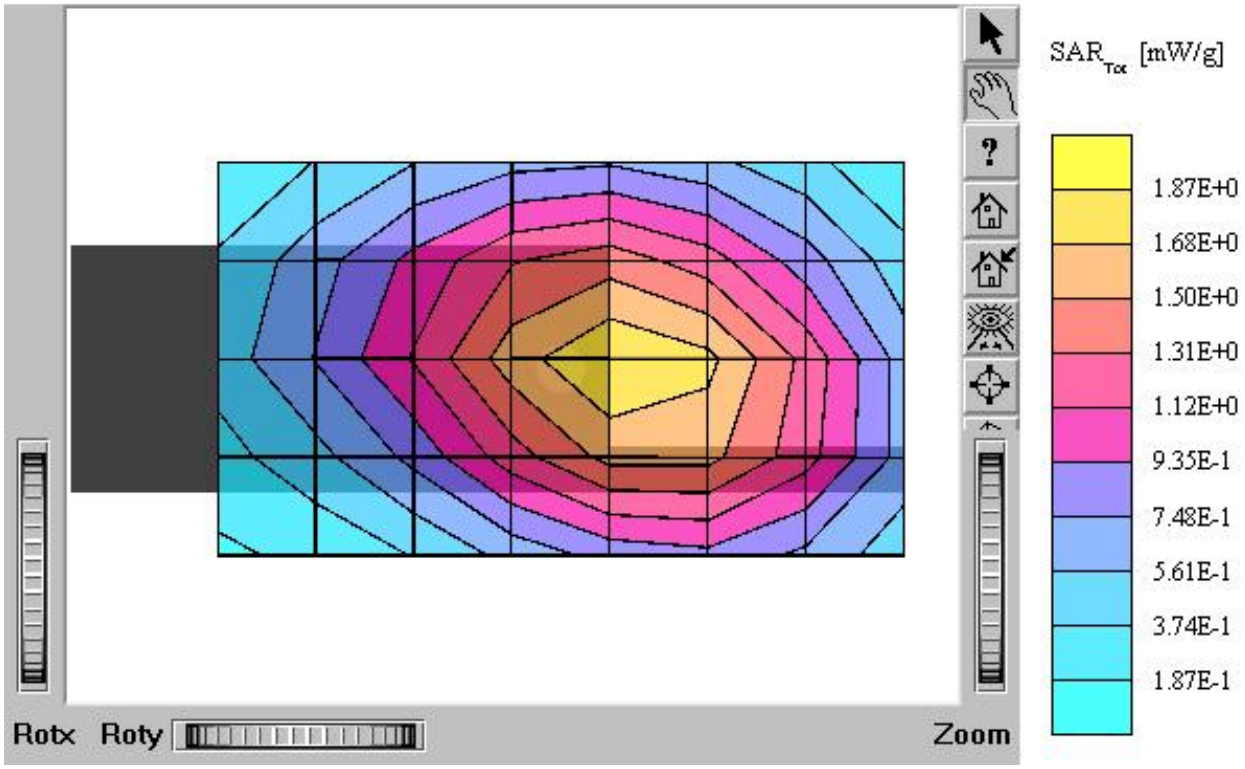
APPENDIX A – SAR TEST PLOTS

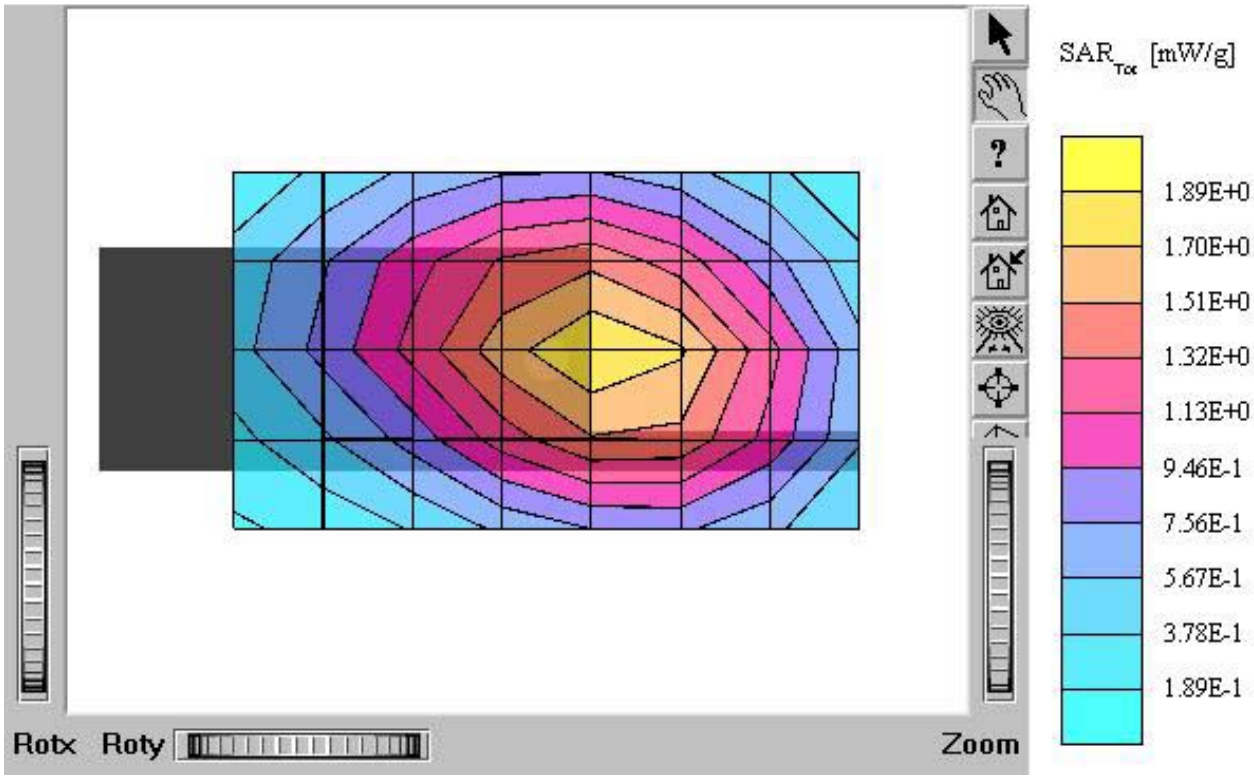
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e_r = 43.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.14 mW/g, SAR (10g): 1.54 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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 ℃
Date Tested : January 19, 2005



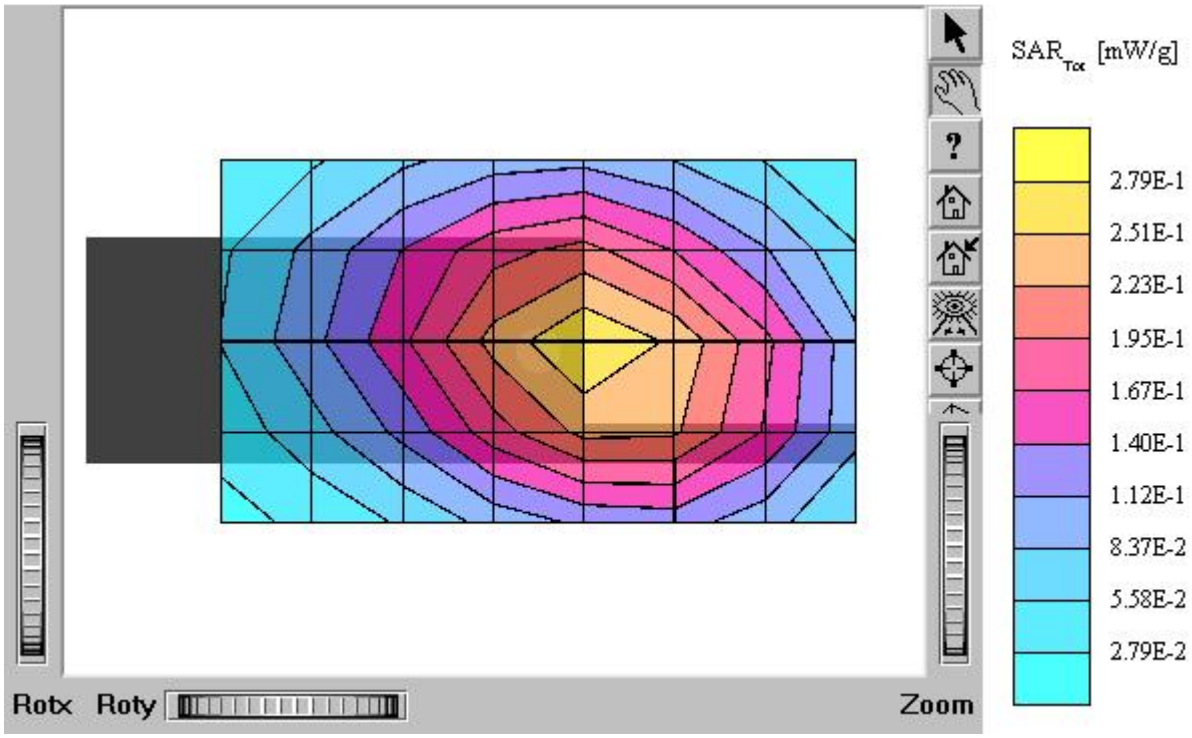
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e, = 43.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.64 mW/g, SAR (10g): 1.18 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



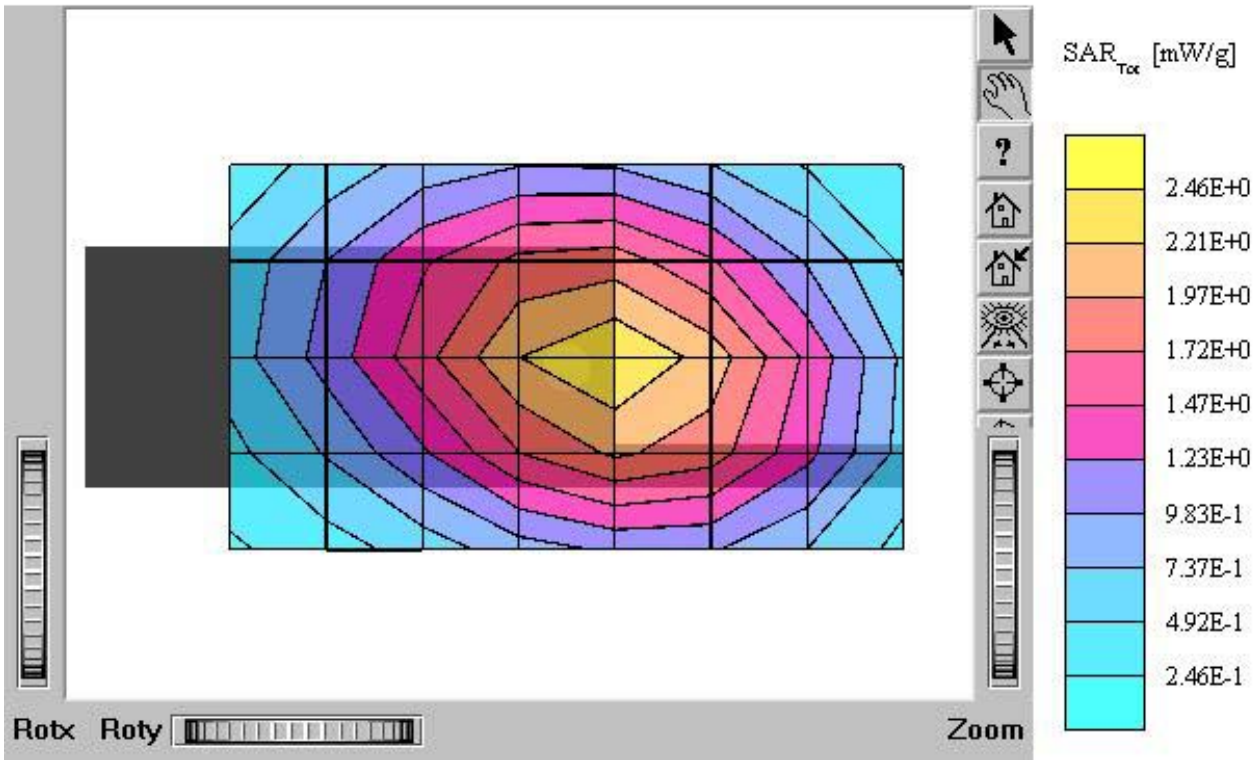
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e_r = 43.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.67 mW/g, SAR (10g): 1.19 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



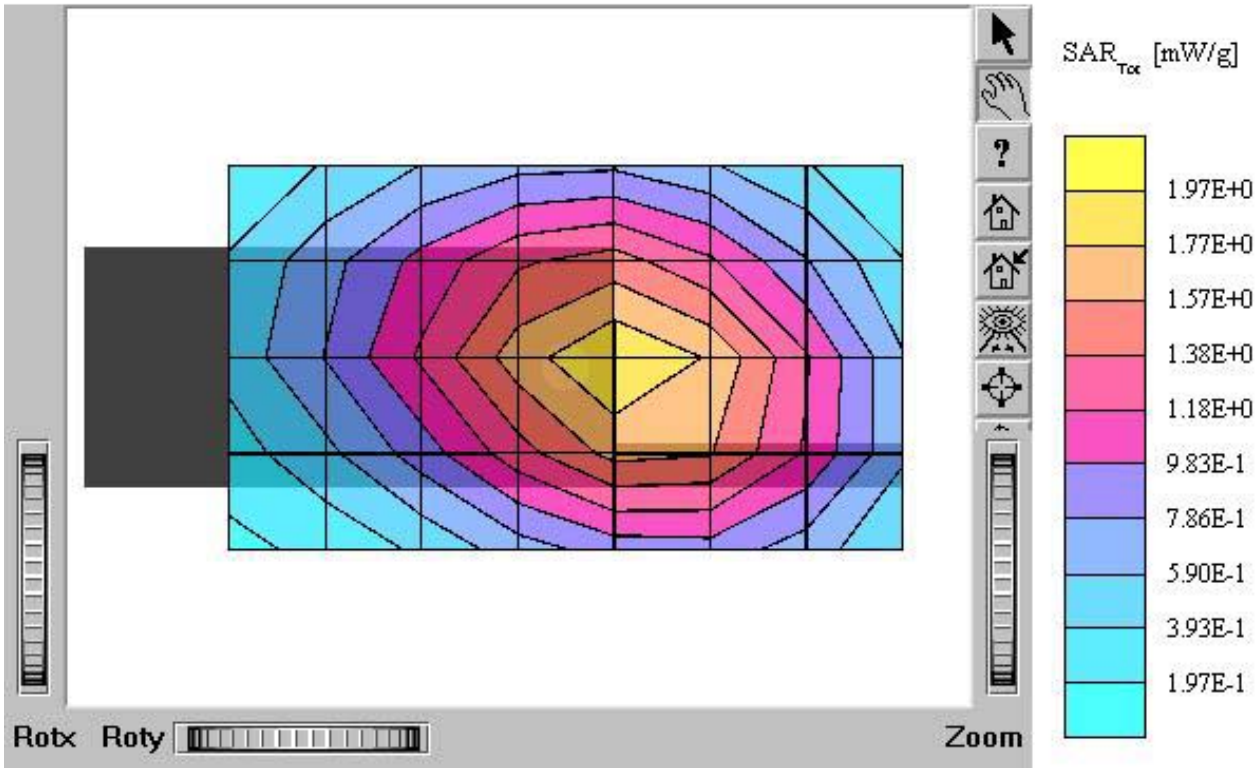
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e, = 43.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.234 mW/g, SAR (10g): 0.168 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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 ℃
Date Tested : January 19, 2005



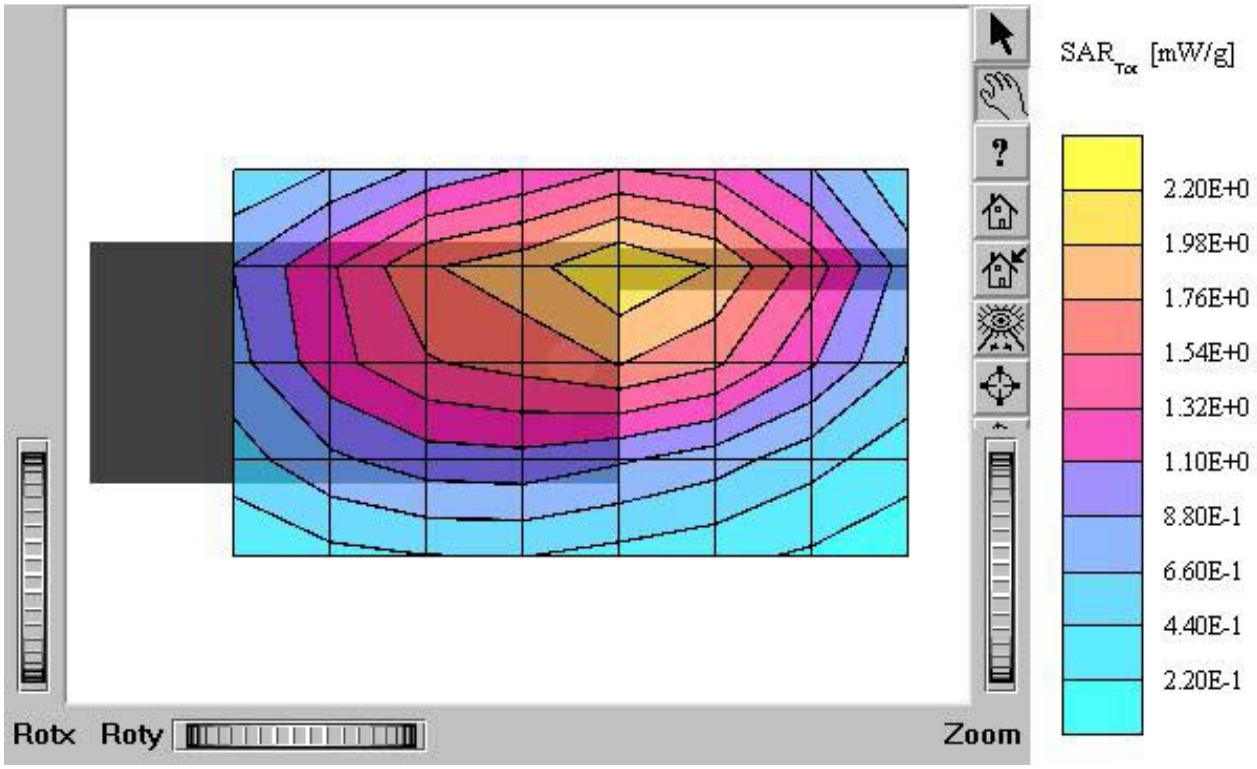
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e, = 43.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 2.09 mW/g, SAR (10g): 1.49 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



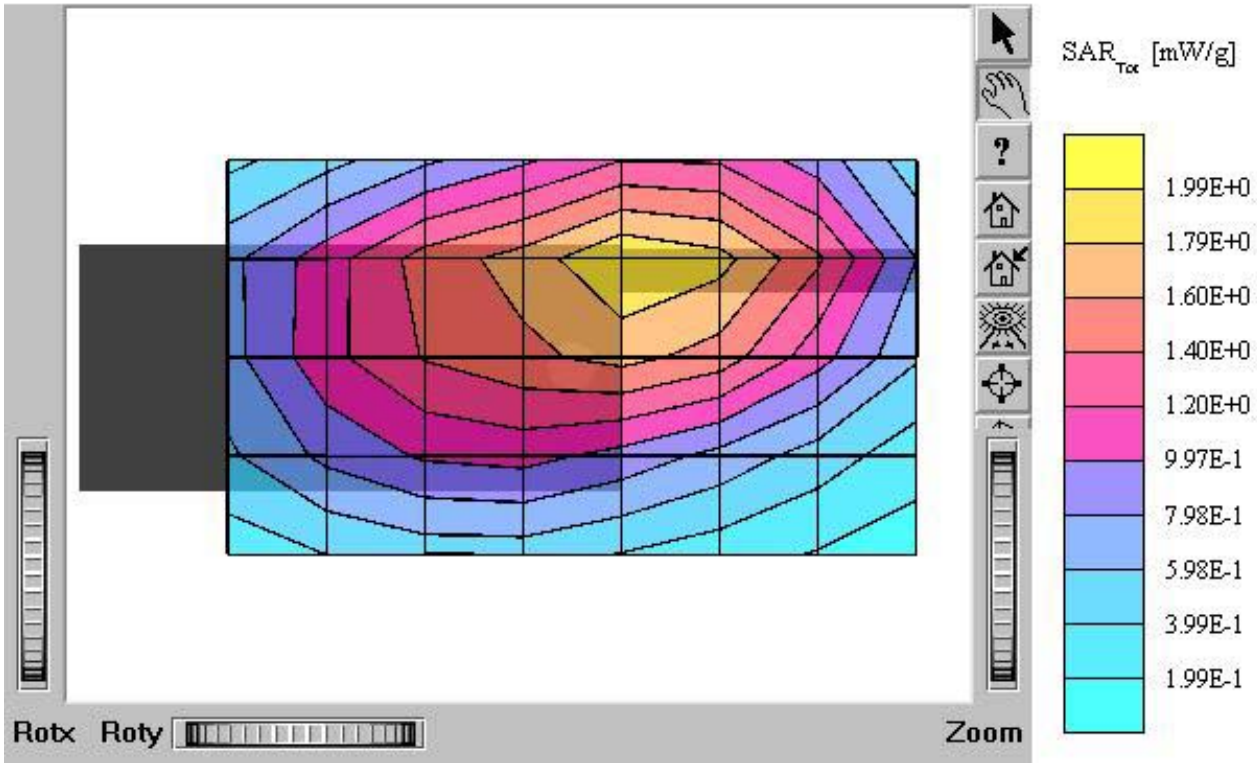
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e, = 43.8 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.65 mW/g, SAR (10g): 1.19 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



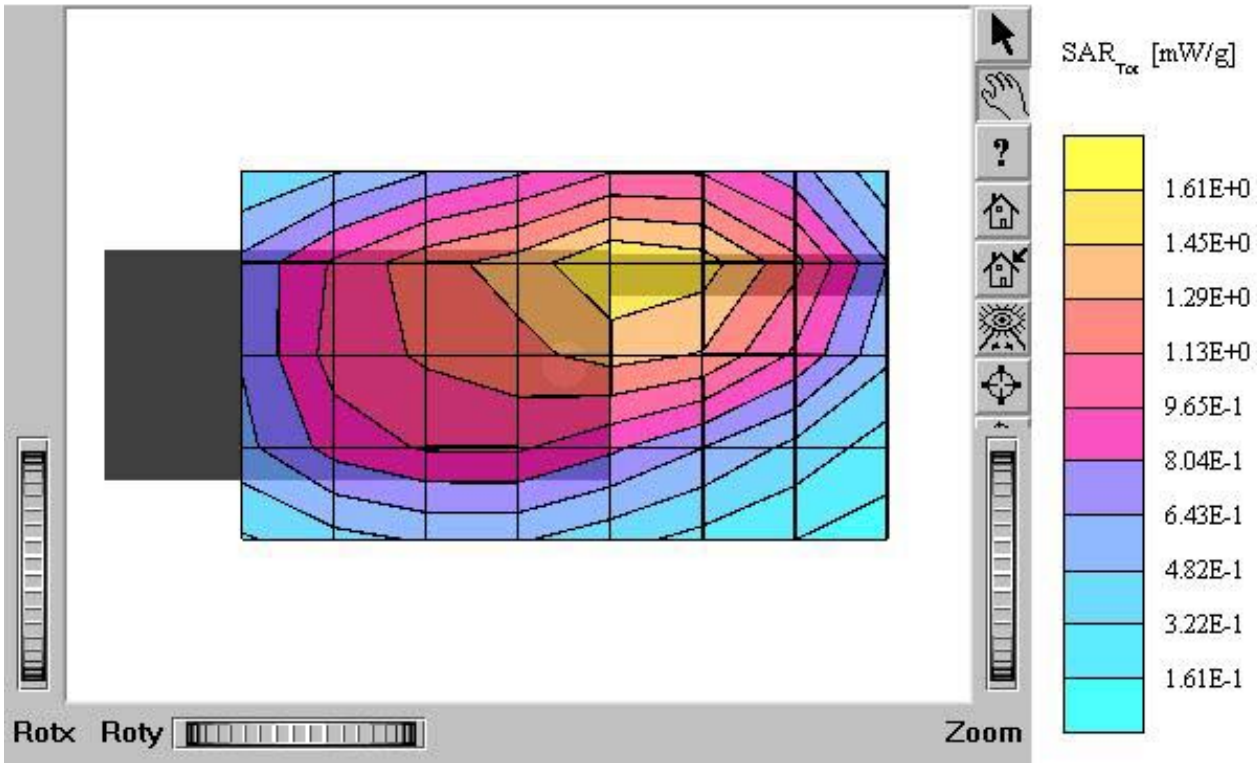
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: s = 0.93 mho/m e, = 55.0 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.99 mW/g, SAR (10g): 1.37 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



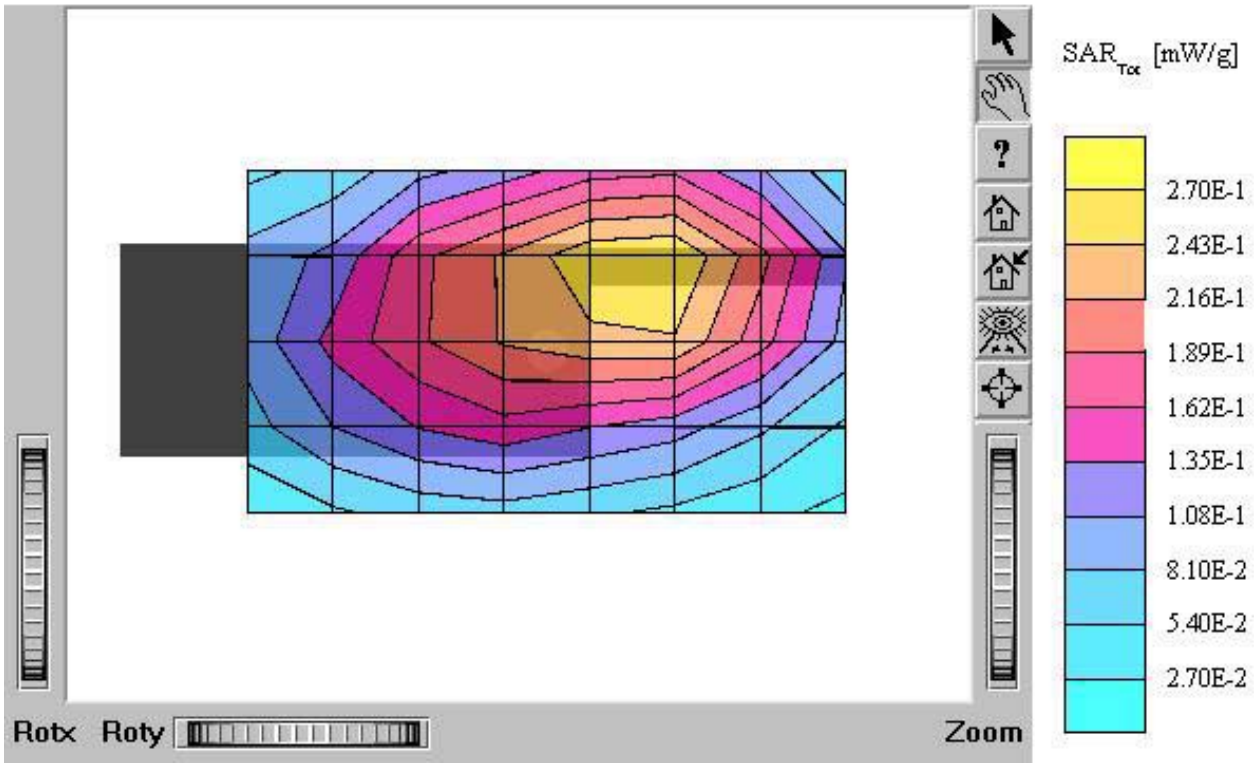
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: s = 0.93 mho/m e, = 55.0 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.25 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



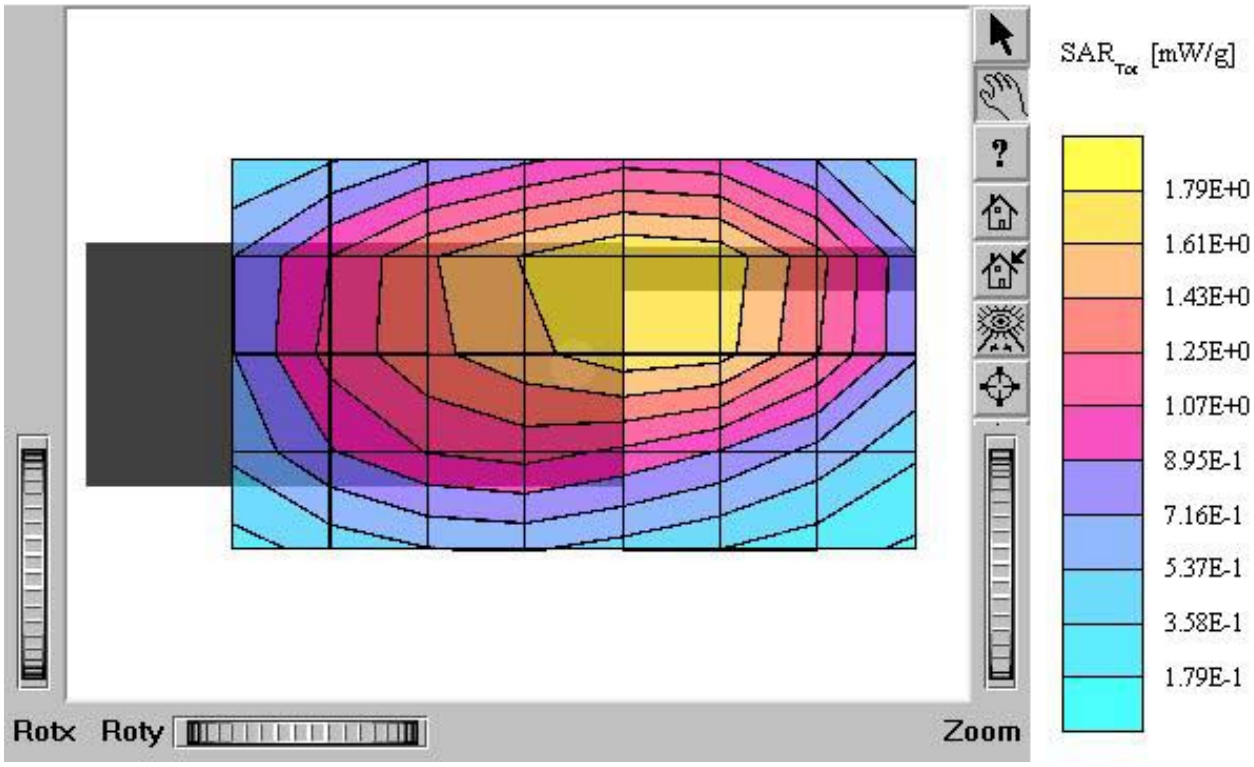
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: s = 0.93 mho/m e, = 55.0 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.46 mW/g, SAR (10g): 0.994 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



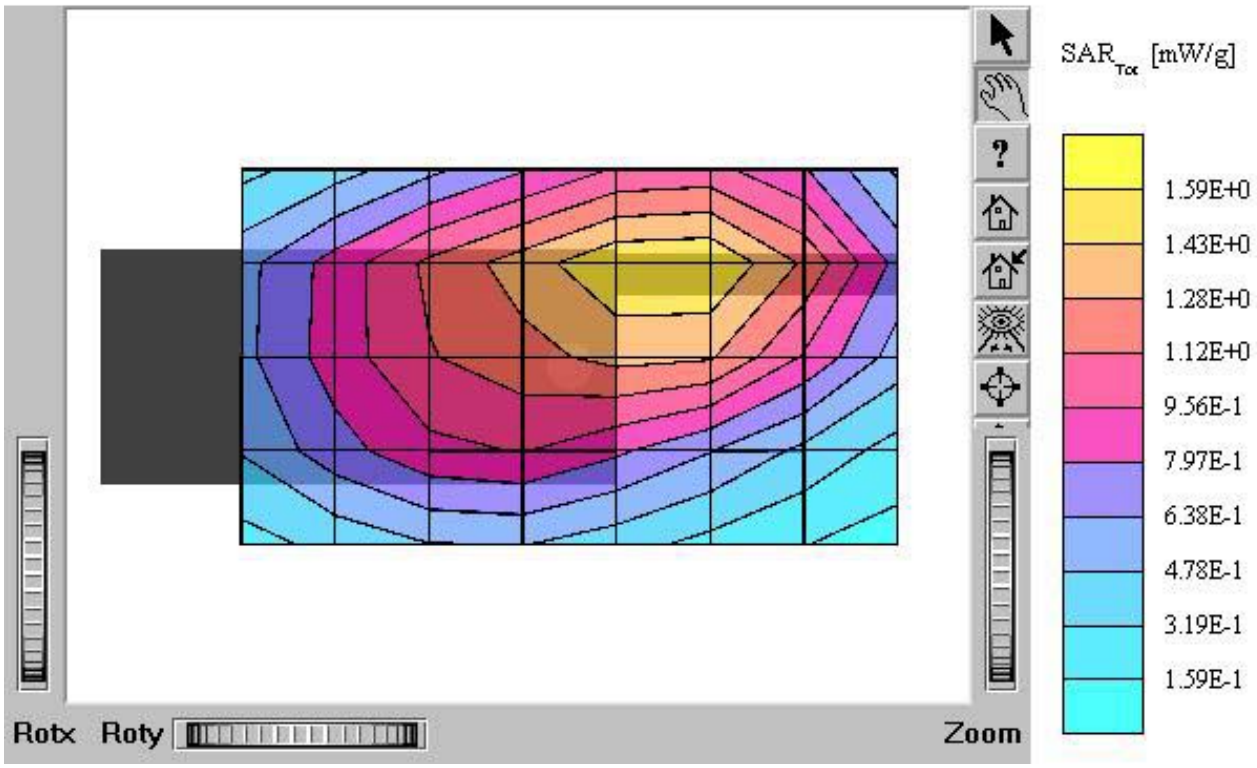
GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: s = 0.93 mho/m e, = 55.0 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.201 mW/g, SAR (10g): 0.137 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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 ℃
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 e, = 55.0 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.75 mW/g, SAR (10g): 1.21 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 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

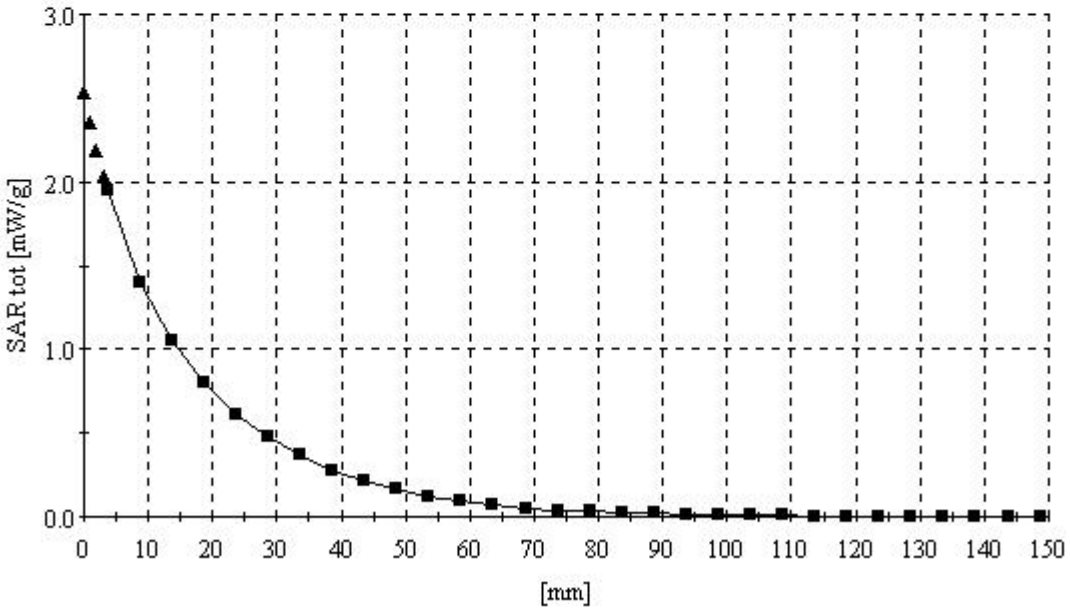


GXT-500
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: s = 0.93 mho/m e, = 55.0 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.53 mW/g, SAR (10g): 1.04 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -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



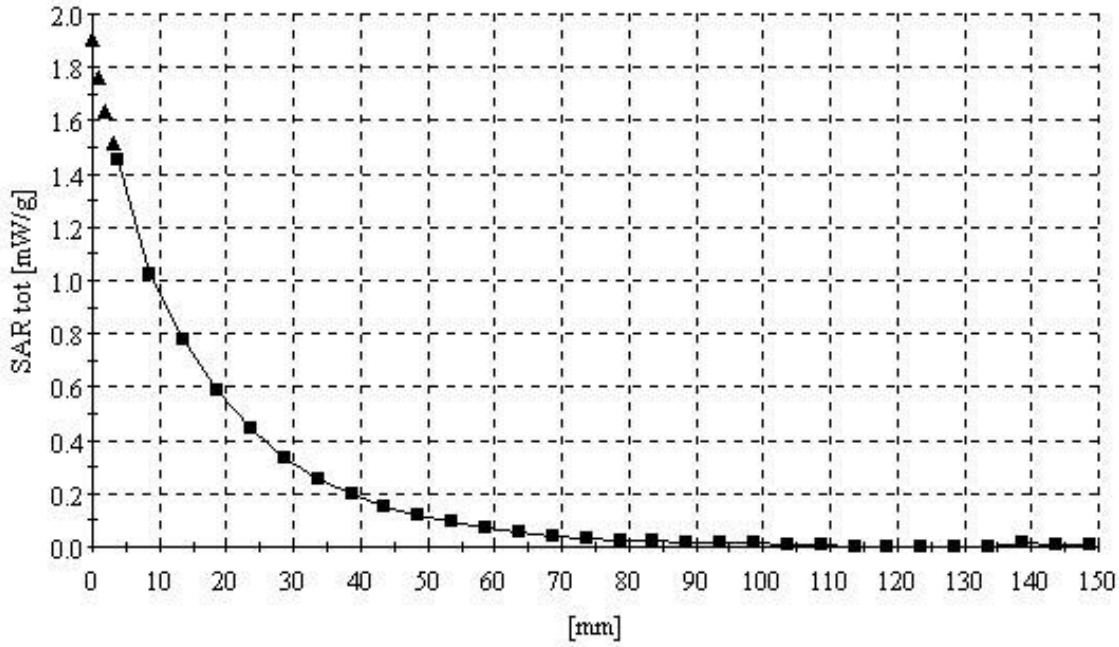
GXT-500
SAM I Phantom; Section; Position: ; Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e_r = 43.8 r = 1.00 g/cm³
:
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

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 ℃
Date Tested : January 19, 2005

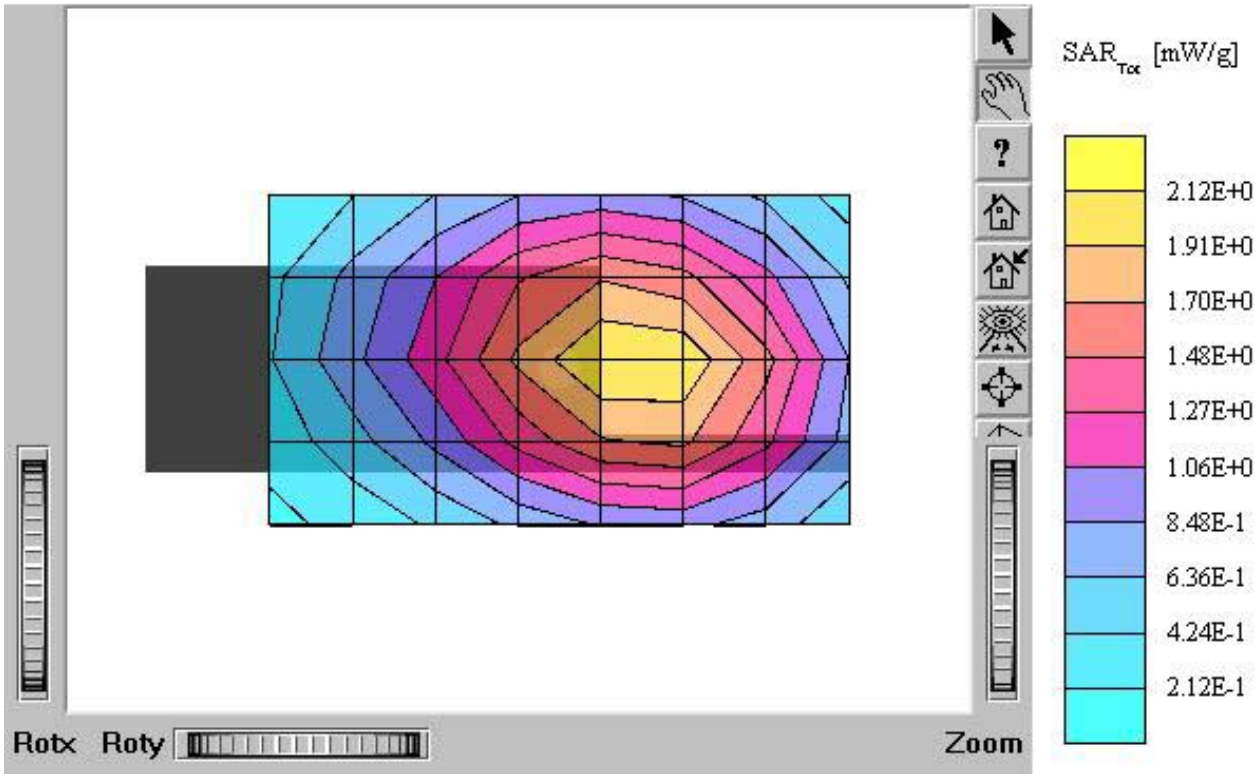


GXT-500
SAM I Phantom; Section; Position: ; Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: s = 0.93 mho/m e_r = 55.0 r = 1.00 g/cm³
:
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

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 ℃
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 e_r = 43.9 r = 1.00 g/cm³
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 ℃
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: σ = 0.83 mho/m ε_r = 43.9 ρ = 1.00 g/cm^3
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 ℃
Date Tested : February 15, 2005