

APPENDIX A – SAR TEST PLOTS

GXT-400 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.28 mW/g, SAR (10g): 0.910 mW/g

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

Powerdrift: -0.74 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

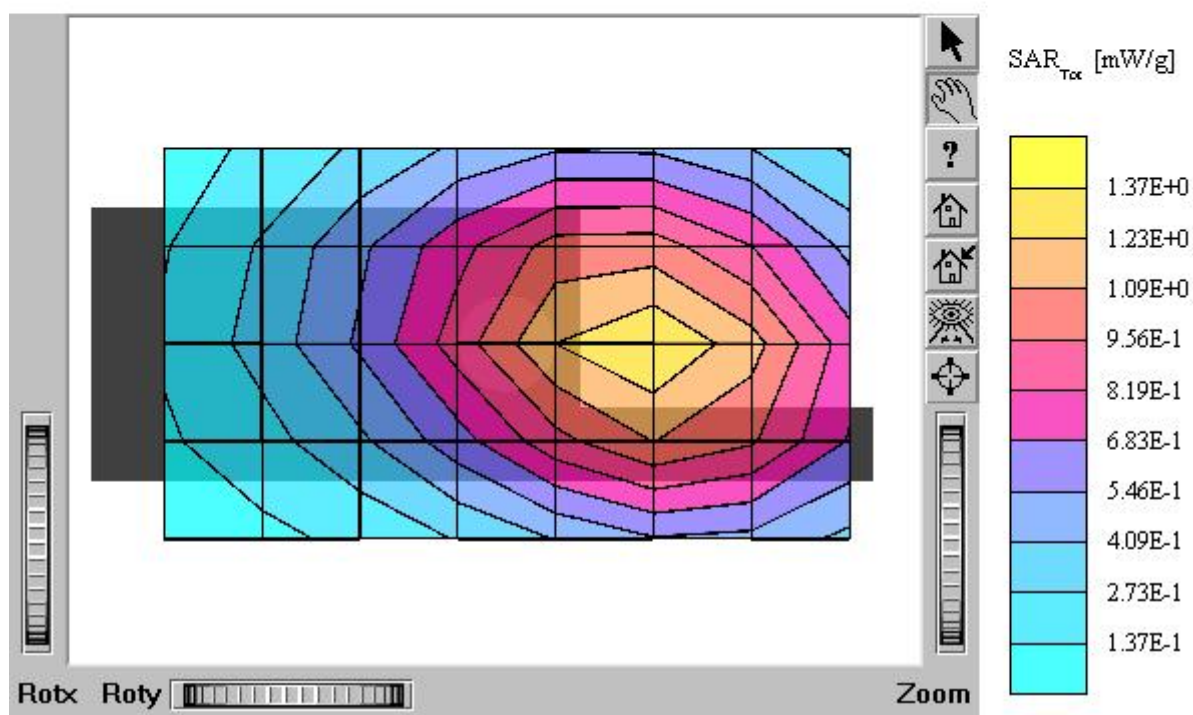
Face / Antenna: in (fixed)

Conducted Power : 3.7W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.33 mW/g, SAR (10g): 0.943 mW/g

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

Powerdrift: -0.51 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

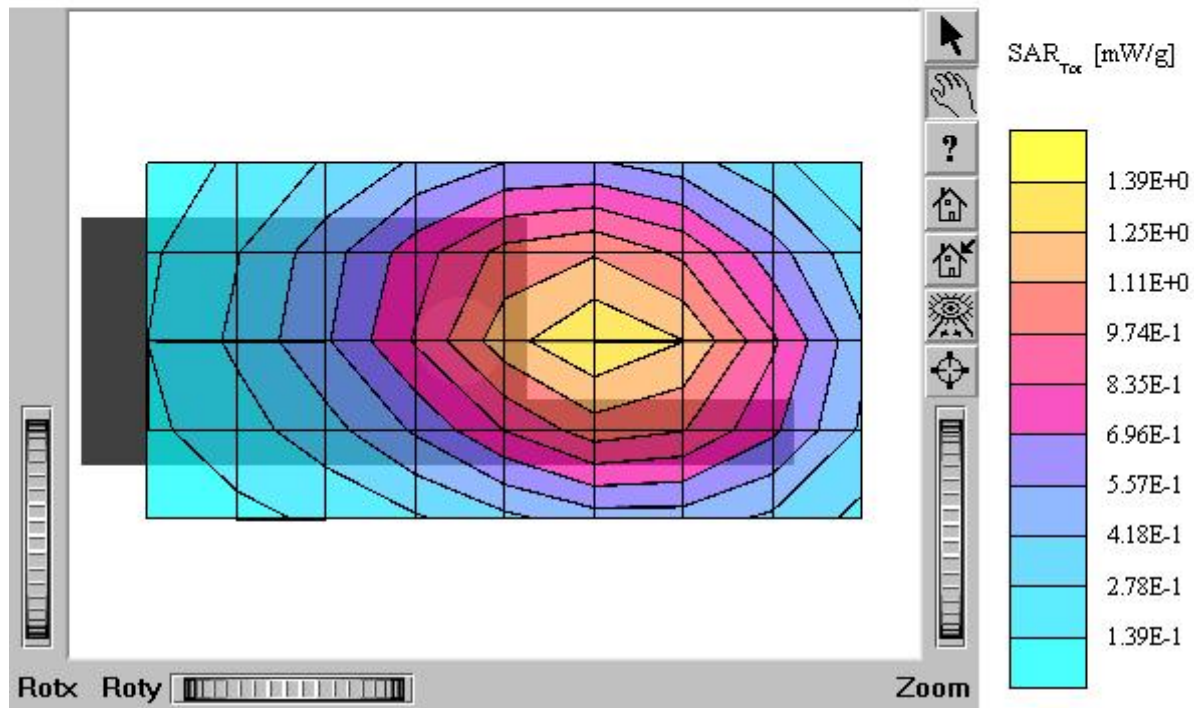
Face / Antenna: in (fixed)

Conducted Power: 3.61W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.37 mW/g, SAR (10g): 0.974 mW/g

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

Powerdrift: -1.13 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

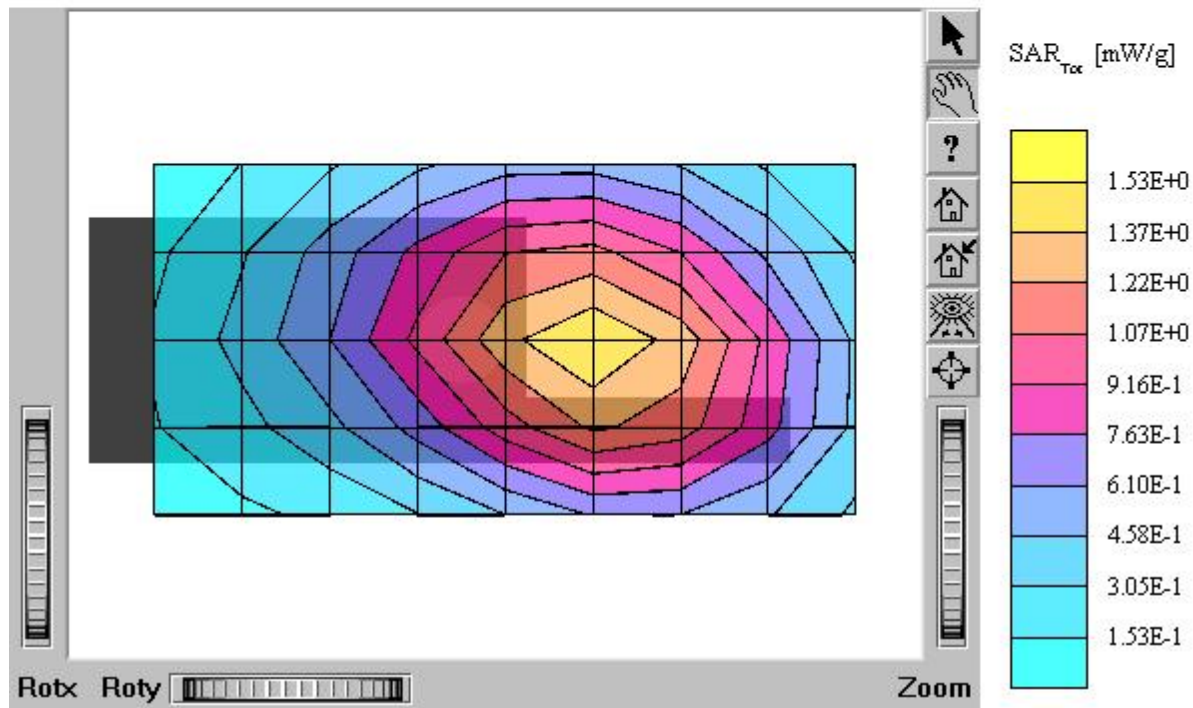
Face / Antenna: in (fixed)

Conducted Power: 3.6W (Battery Type: Rocket)

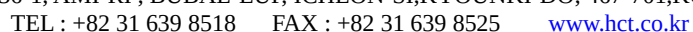
Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



Date Tested : January 29, 2004



GXT-400 (Face)

SAM 1 Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.17 mW/g, SAR (10g): 0.830 mW/g

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

Powerdrift: -1.02 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

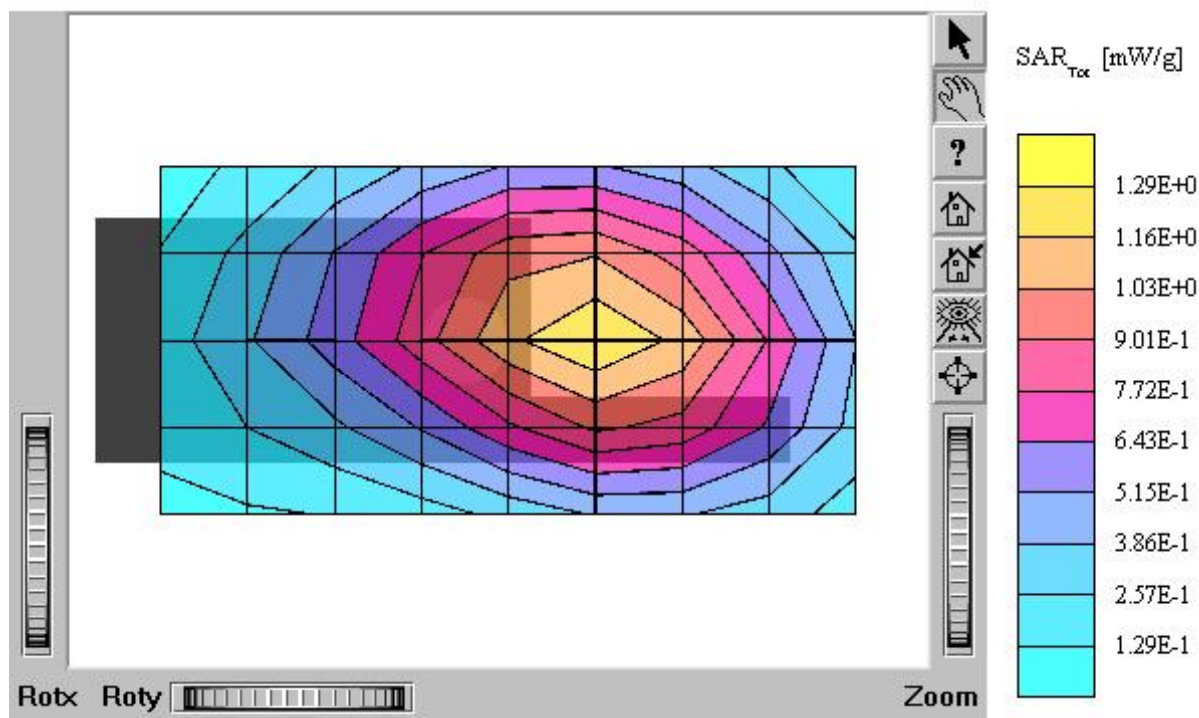
Face / Antenna: in (fixed)

Conducted Power: 3.61W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Face)

SAM 1 Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.20 mW/g, SAR (10g): 0.848 mW/g

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

Powerdrift: -0.92 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

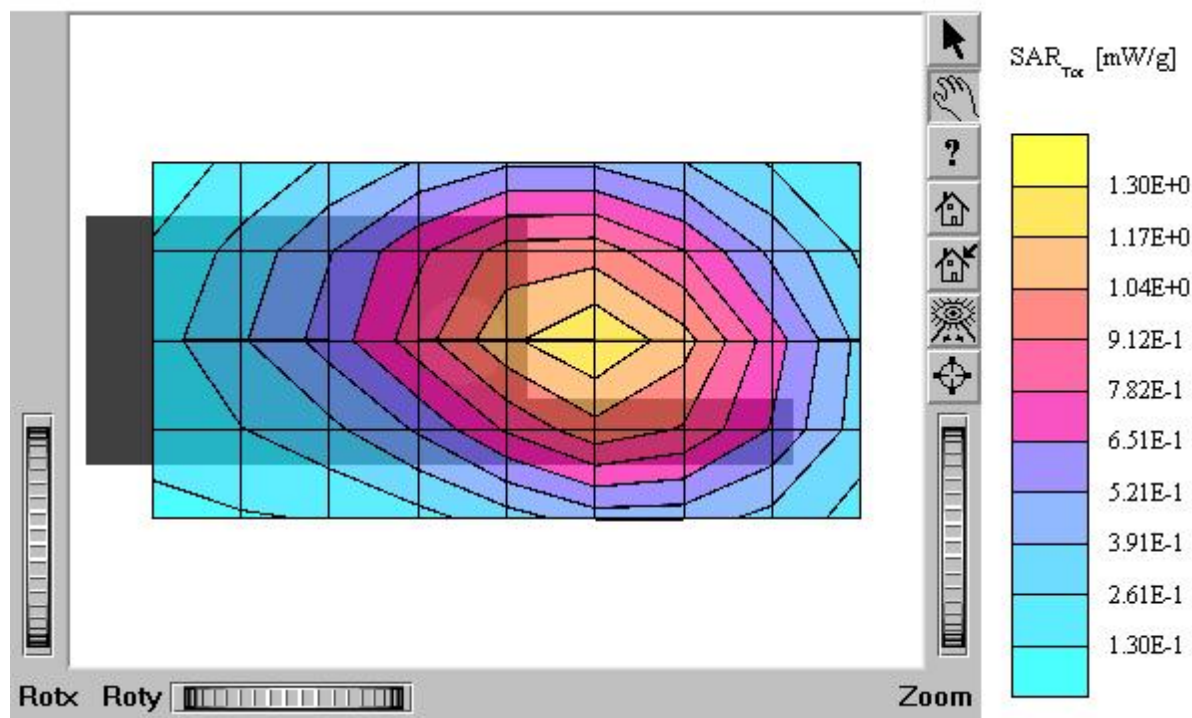
Face / Antenna: in (fixed)

Conducted Power: 3.71W (Battery Type: Duracell)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.253 mW/g, SAR (10g): 0.180 mW/g

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

Powerdrift: -0.81 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

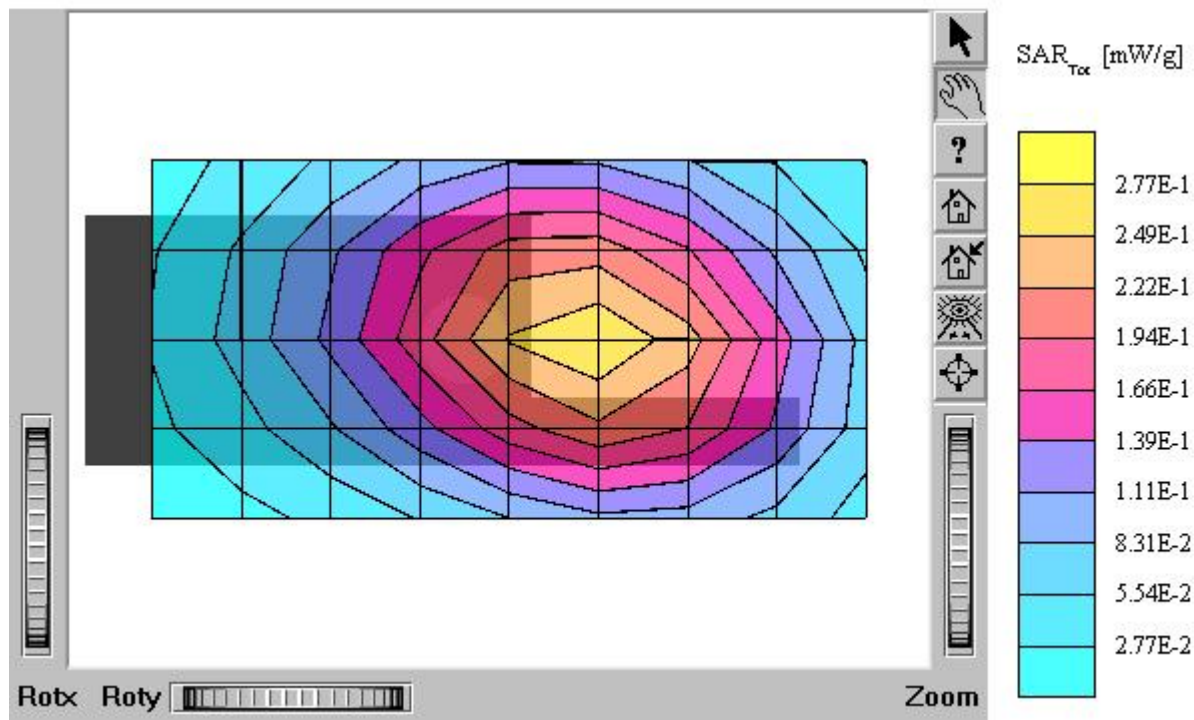
Face / Antenna: in (fixed)

Conducted Power: 0.8W (Battery Type:Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.291 mW/g, SAR (10g): 0.207 mW/g

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

Powerdrift: -0.79 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

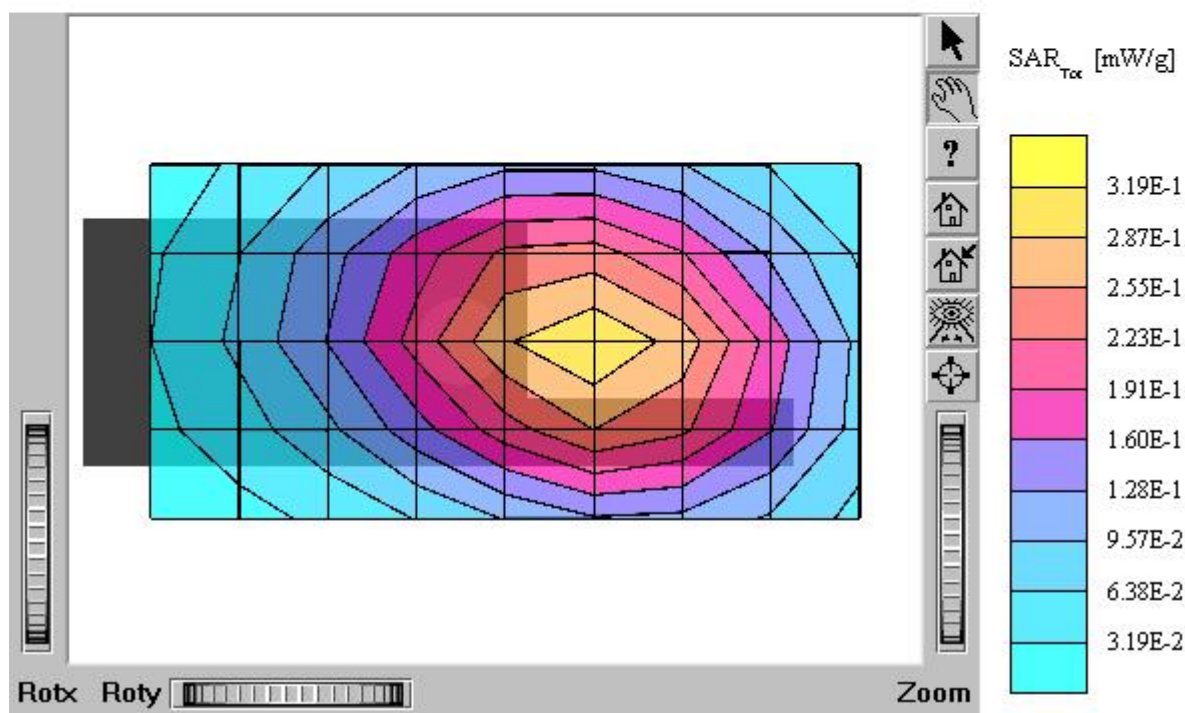
Face / Antenna: in (fixed)

Conducted Power: 0.83W (Battery Type: Duracell)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.06 mW/g, SAR (10g): 1.40 mW/g

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

Powerdrift: -0.91 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

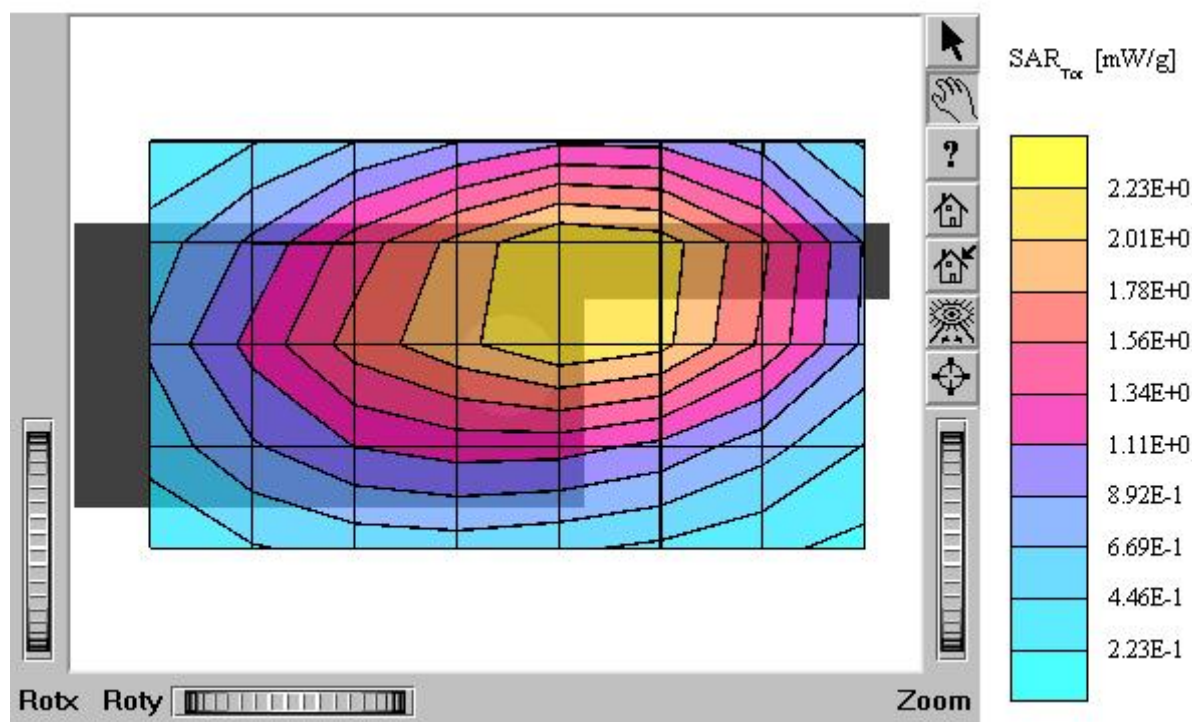
Body / Antenna: in (fixed)

Conducted Power : 3.71W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.93 mW/g, SAR (10g): 1.31 mW/g

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

Powerdrift: -1.05 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

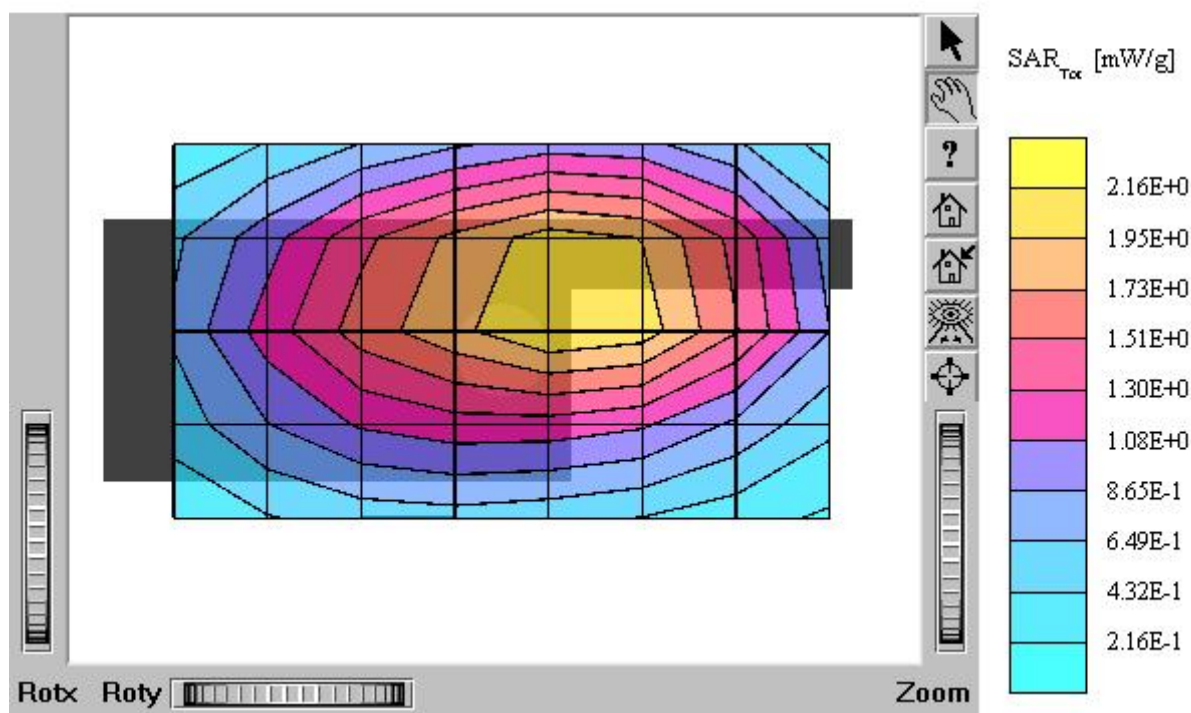
Body / Antenna: in (fixed)

Conducted Power: 3.6W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.374 mW/g, SAR (10g): 0.251 mW/g

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

Powerdrift: -0.74 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

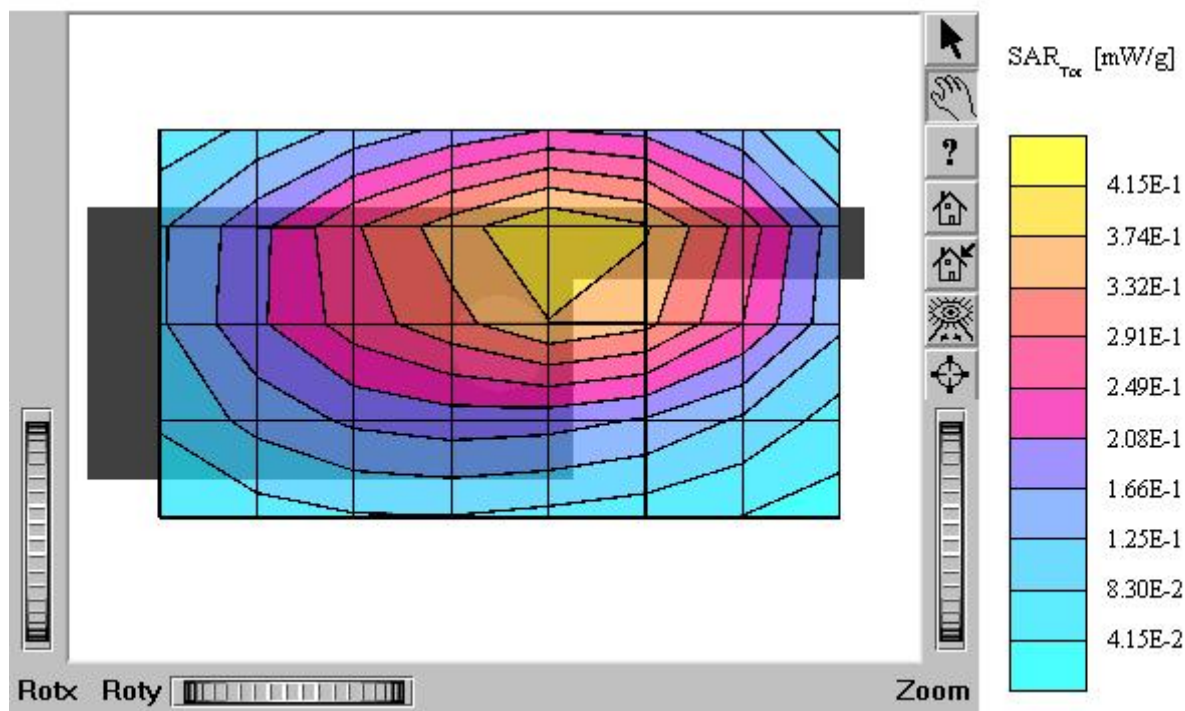
Body / Antenna: in (fixed)

Conducted Power: 0.81W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.15 mW/g, SAR (10g): 1.48 mW/g

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

Powerdrift: -1.09 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

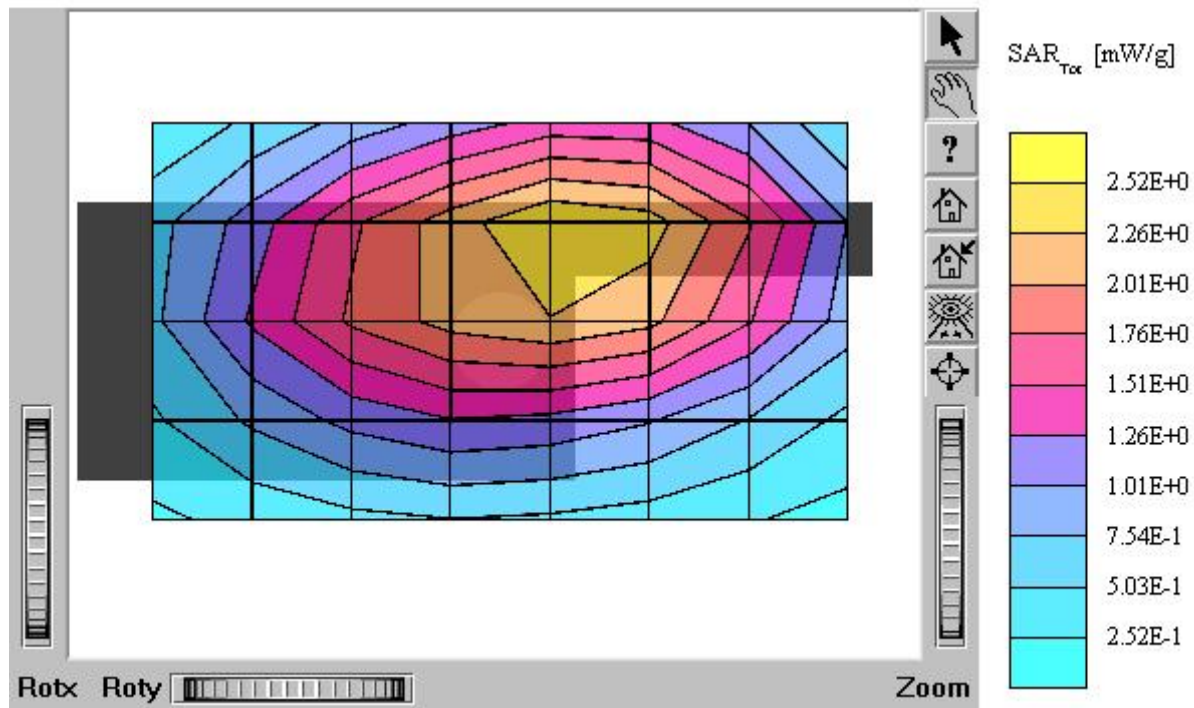
Body / Antenna: in (fixed)

Conducted Power: 3.6W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

SAM 1 Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.00 mW/g, SAR (10g): 1.35 mW/g

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

Powerdrift: -0.86 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

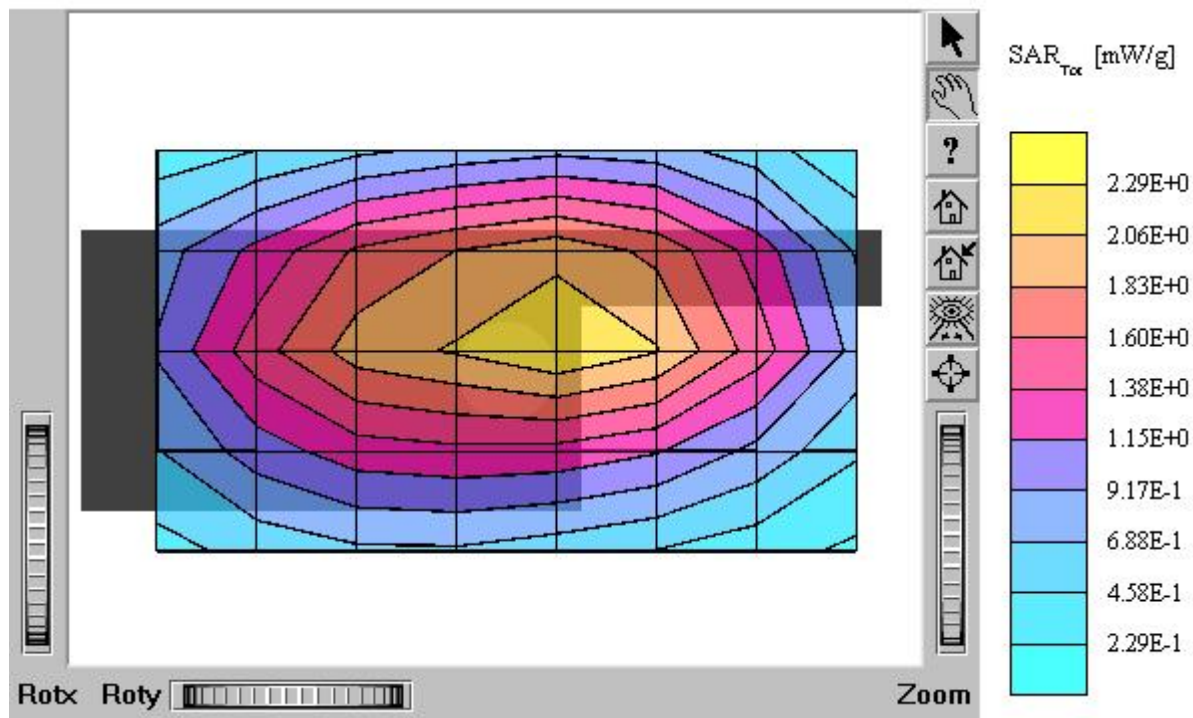
Body / Antenna: in (fixed)

Conducted Power: 3.7W (Battery Type: Duracell)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.392 mW/g, SAR (10g): 0.265 mW/g

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

Powerdrift: -0.90 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

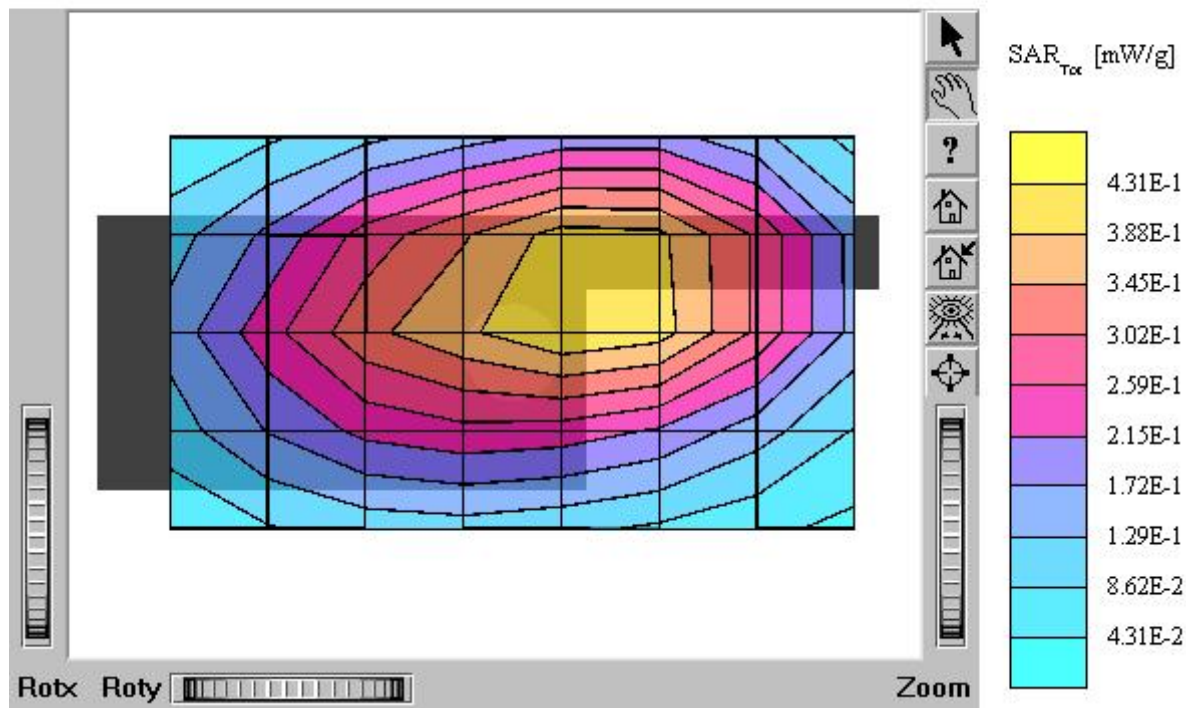
Body / Antenna: in (fixed)

Conducted Power: 0.81W (Battery Type:Energizer)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

SAM 1 Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.410 mW/g, SAR (10g): 0.278 mW/g

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

Powerdrift: -1.00 dB

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

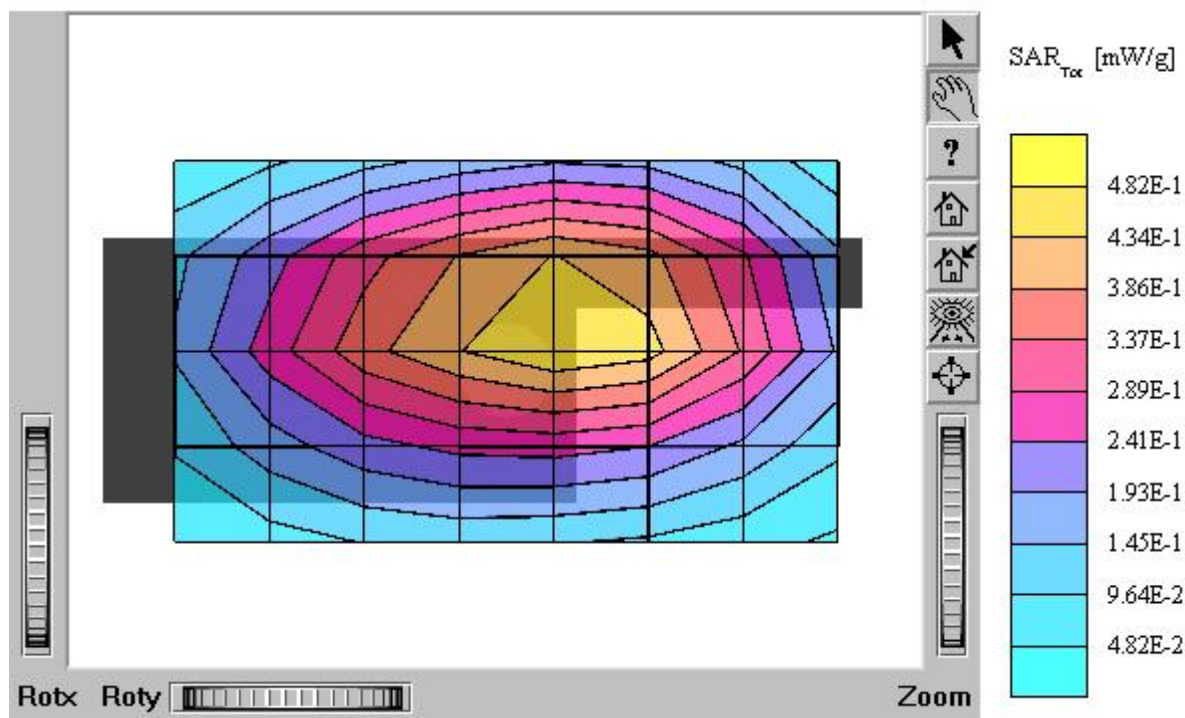
Body / Antenna: in (fixed)

Conducted Power: 0.82W (Battery Type: Duracell)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.84$ mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.37 mW/g, SAR (10g): 0.974 mW/g

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

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

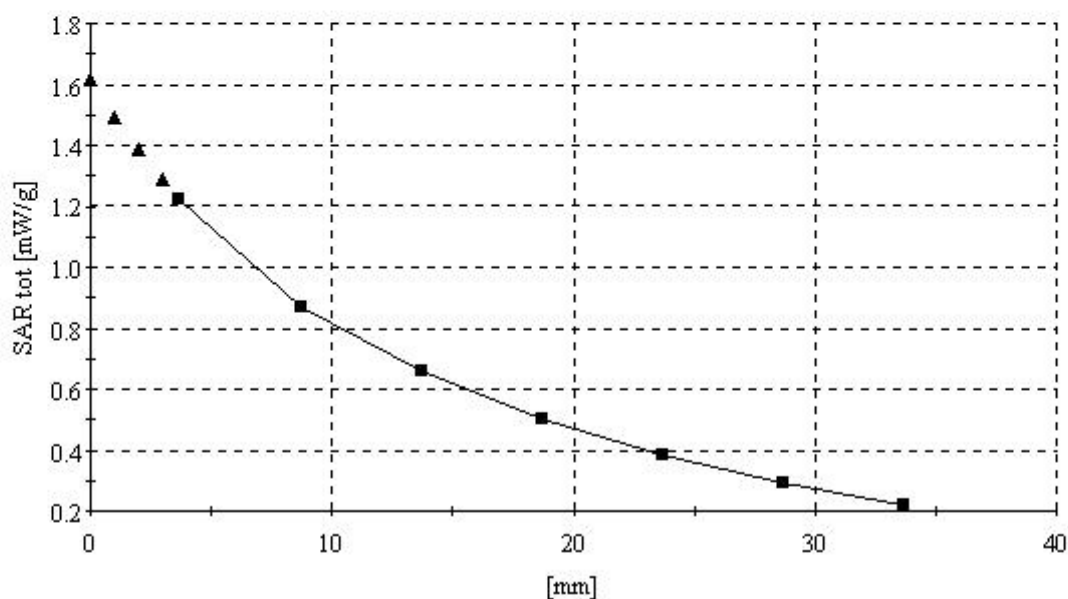
Face / Antenna: in (fixed)

Conducted Power: 3.6W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004



GXT-400 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.93$ mho/m $\epsilon_r = 54.7$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.15 mW/g, SAR (10g): 1.48 mW/g

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

Comment:

FCC ID : MMAGXT400

Company : Midland Radio Corporation.

Body / Antenna: in (fixed)

Conducted Power: 3.6W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : January 29, 2004

