

APPENDIX A – SAR TEST PLOTS

GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 45.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 1.54 mW/g, SAR(10g): 1.06 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 2.48 mW/g; Powerdrift: -0.90 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

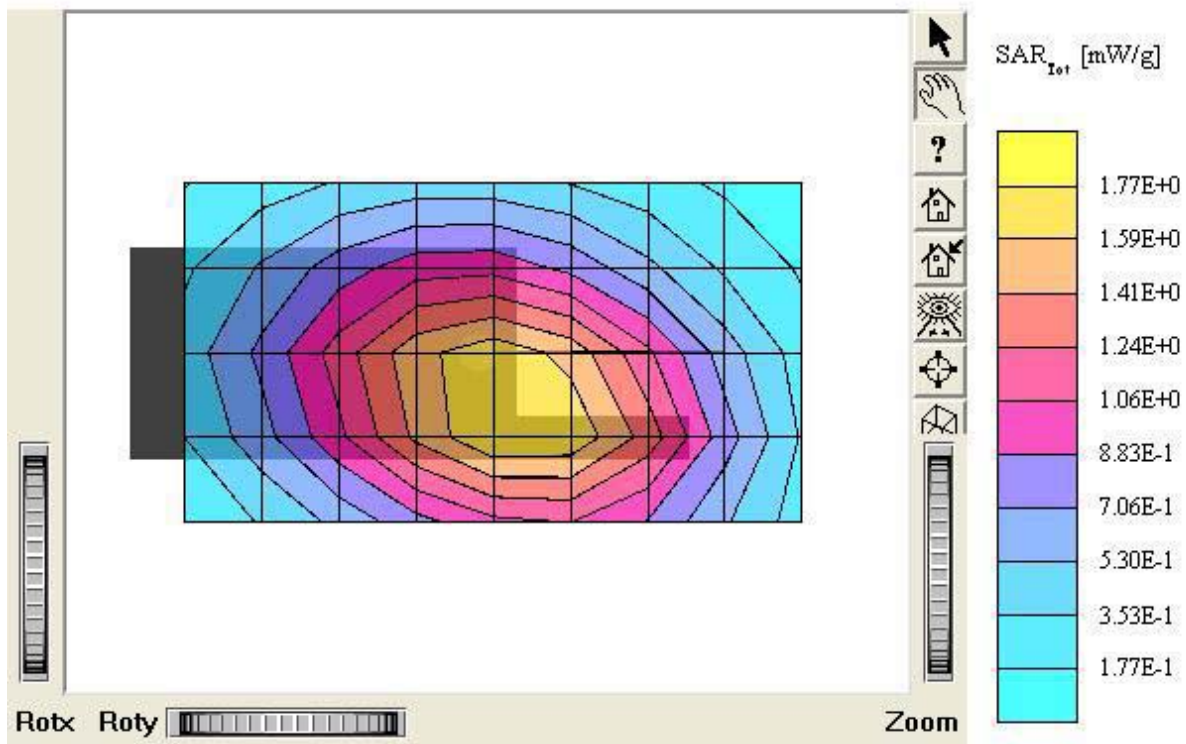
Face / Antenna: in (fixed)

Conducted Power: 2.60W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 45.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 1.60 mW/g, SAR(10g): 1.10 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 2.58 mW/g, Powerdrift: -0.78 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

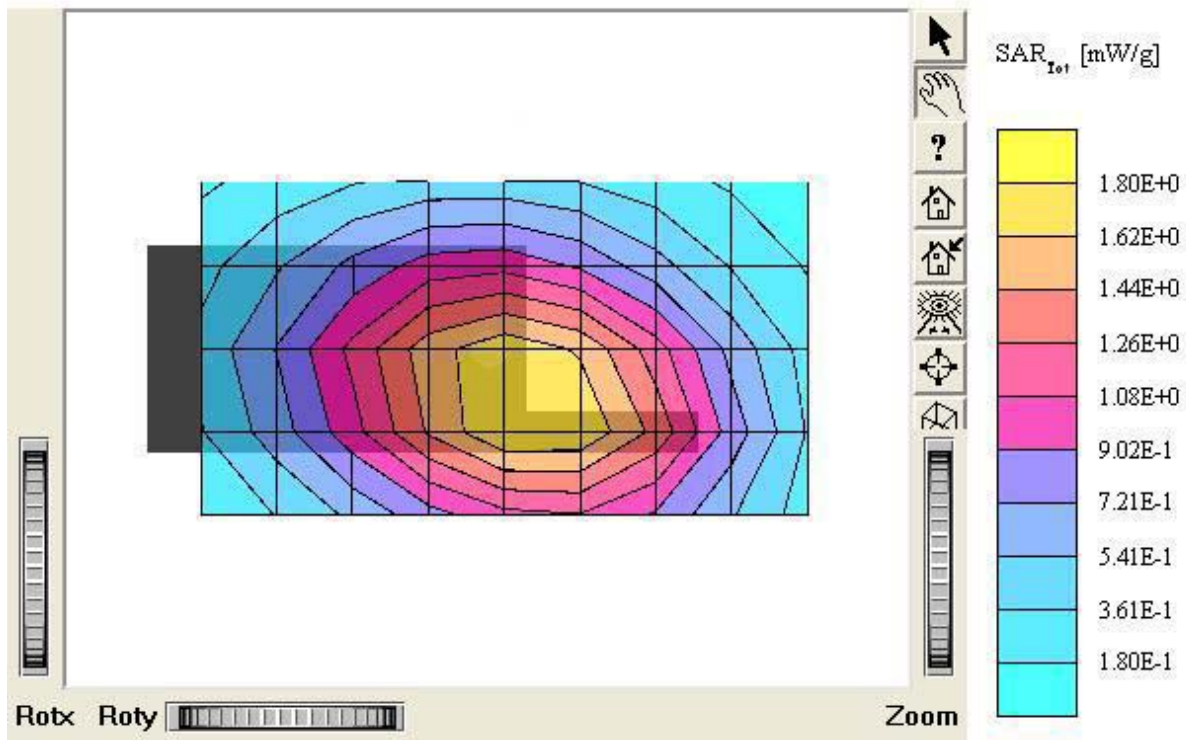
Face / Antenna: in (fixed)

Conducted Power: 2.65W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72, 7.72, 7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$, $\epsilon_r = 45.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.58 mW/g, SAR (10g): 1.09 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 2.55 mW/g; Powerdrift: -0.77 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

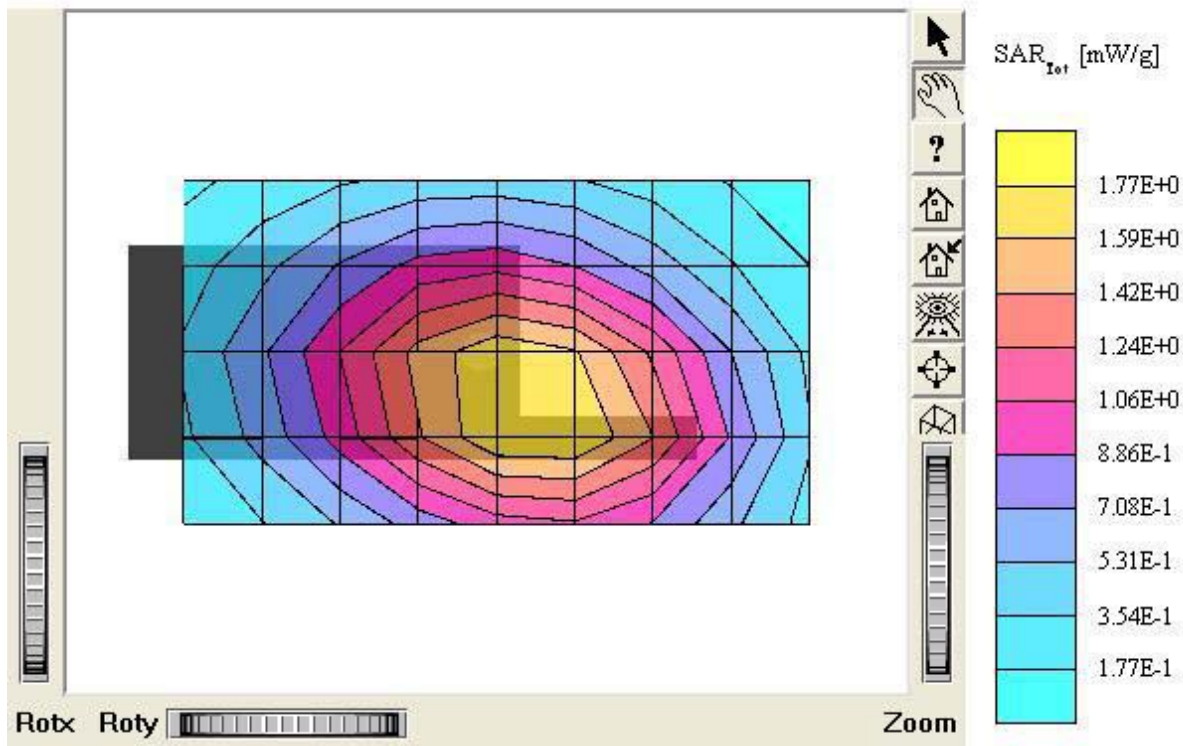
Face / Antenna: in (fixed)

Conducted Power: 2.63W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 45.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.403 mW/g, SAR (10g): 0.279 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 0.649 mW/g; Powerdrift: -0.60 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

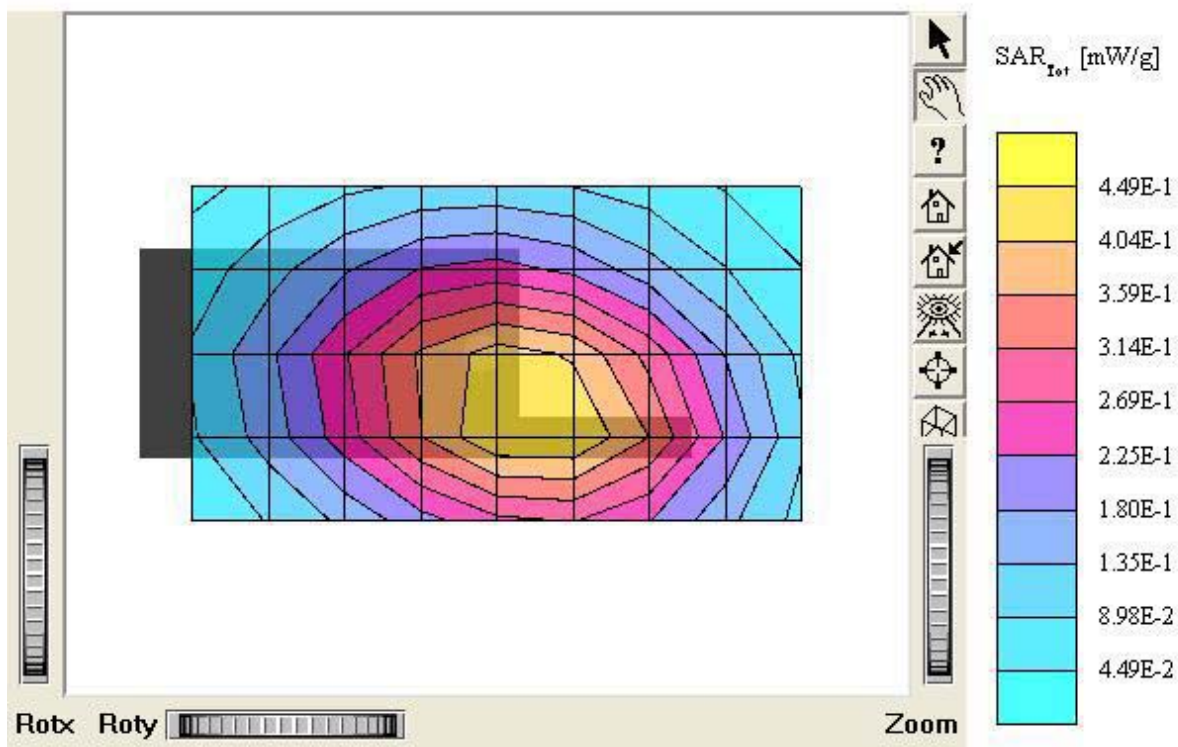
Face / Antenna: in (fixed)

Conducted Power: 0.526W (Battery Type: Rocket)

Mode: FRS / Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$, $\epsilon_r = 45.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.59 mW/g, SAR (10g): 1.10 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 2.57 mW/g; Powerdrift: -0.83 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

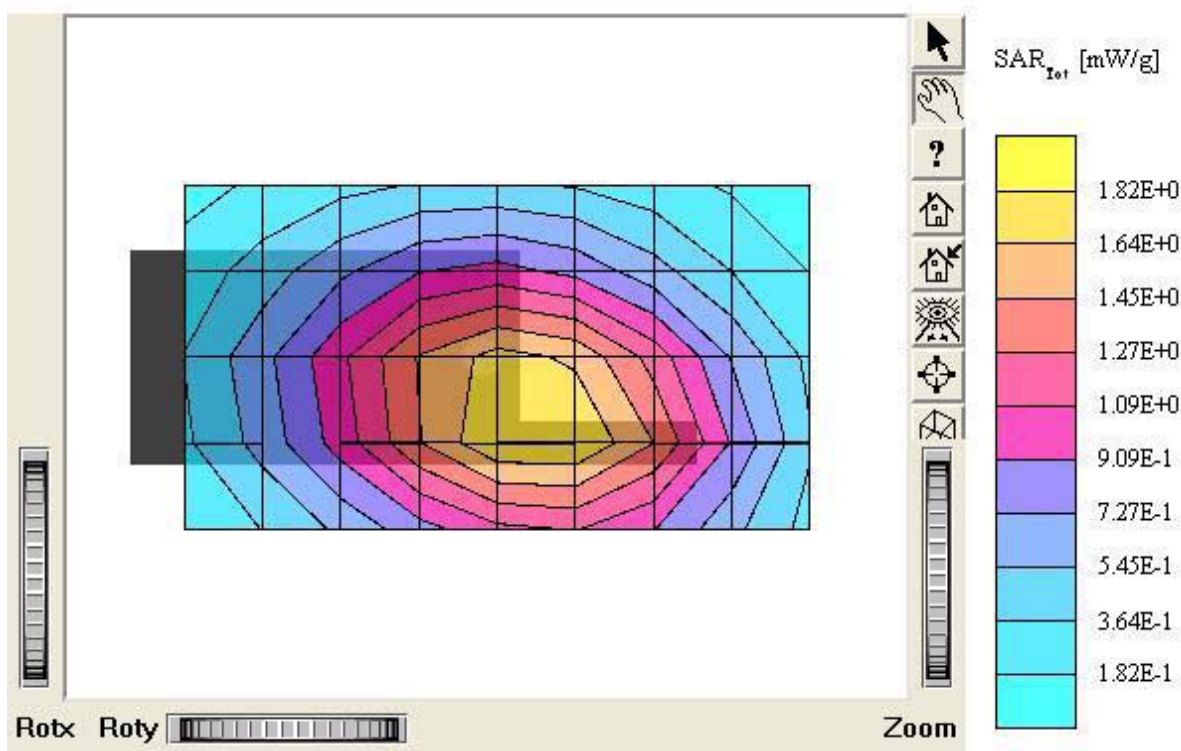
Face / Antenna: in (fixed)

Conducted Power: 2.62W (Battery Type: Bexel)

Mode: FM GMRS / Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 45.5$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.57 mW/g, SAR (10g): 1.08 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 2.53 mW/g; Powerdrift: -0.69 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

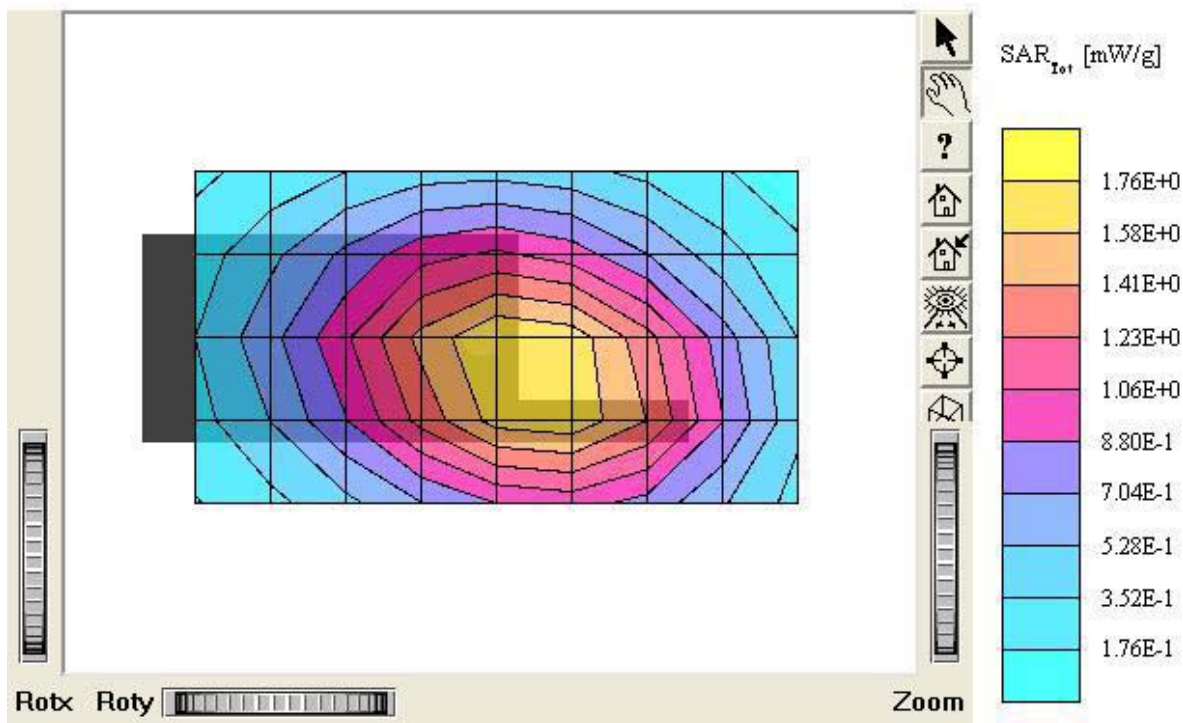
Face / Antenna: in (fixed)

Conducted Power: 2.64W (Battery Type: Duracell)

Mode: FM GMRS / Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$, $\epsilon_r = 45.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.40 mW/g, SAR (10g): 0.964 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 2.25 mW/g; Powerdrift: -0.18 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

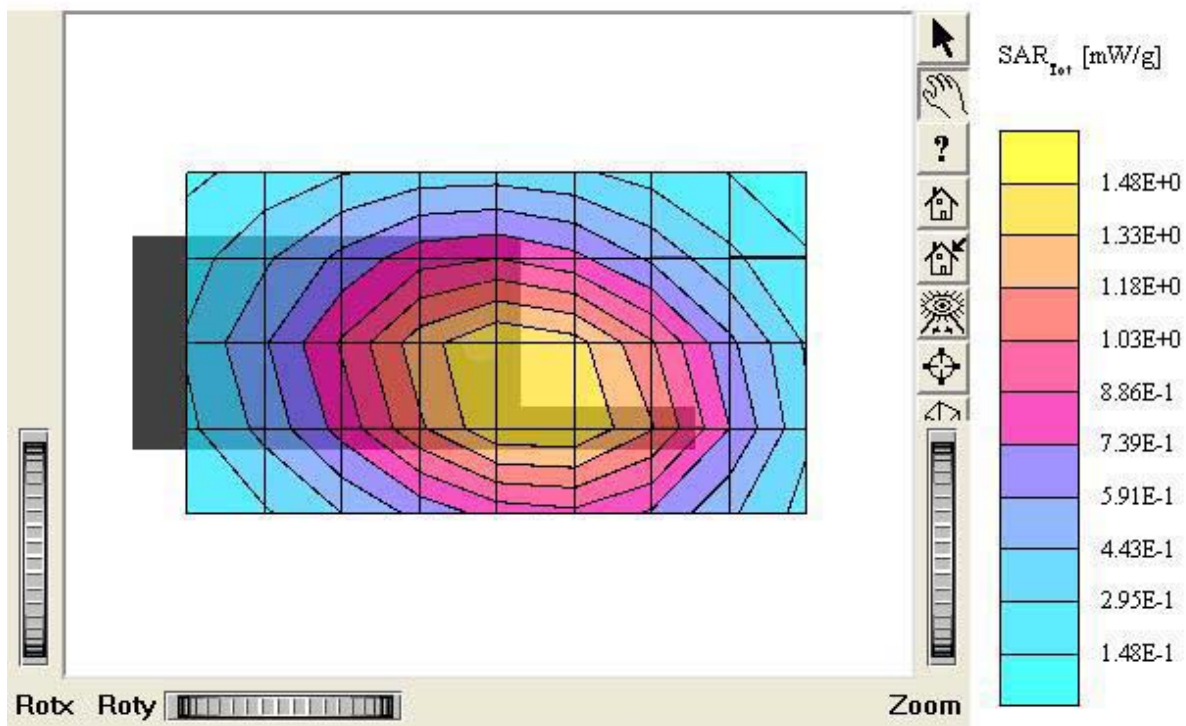
Face / Antenna: in (fixed)

Conducted Power: 1.93W (Battery Type: GP1300)

Mode: FM GMRS / Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90 \text{ mho/m}$ $\epsilon_r = 54.1$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 2.18 mW/g, SAR(10g): 1.48 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.50 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

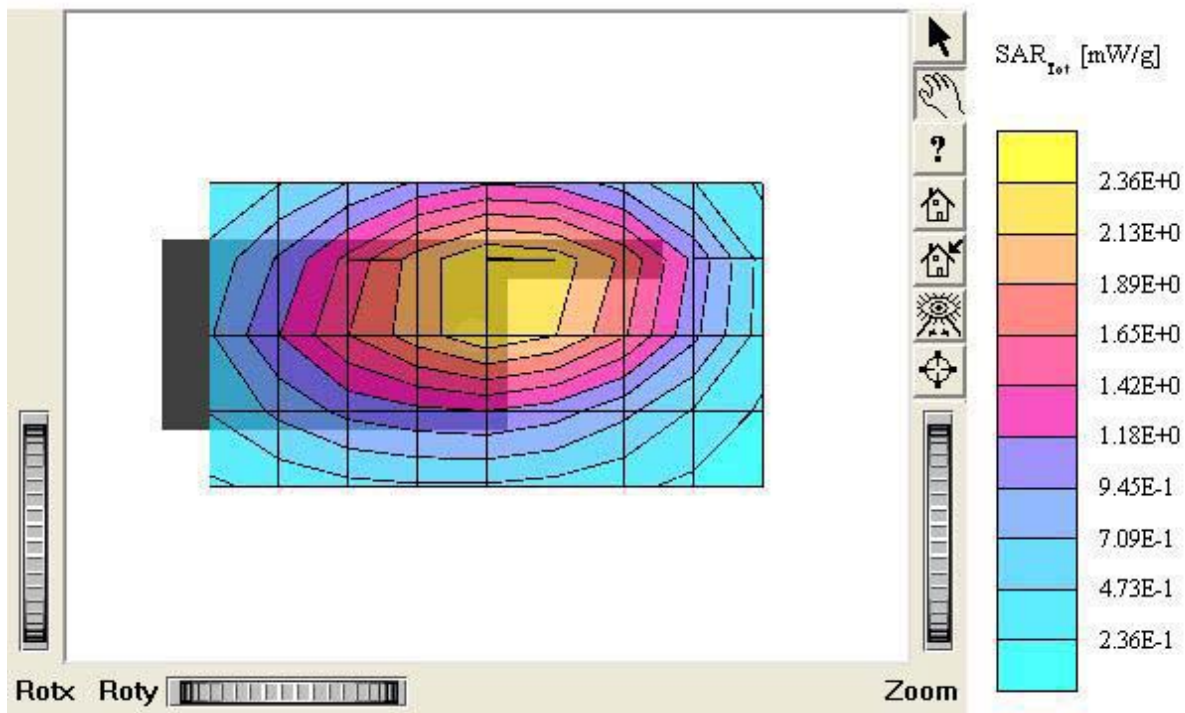
Body / Antenna: in (fixed)

Conducted Power: 2.61W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73, 7.73, 7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 2.04 mW/g, SAR(10g): 1.40 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.66 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

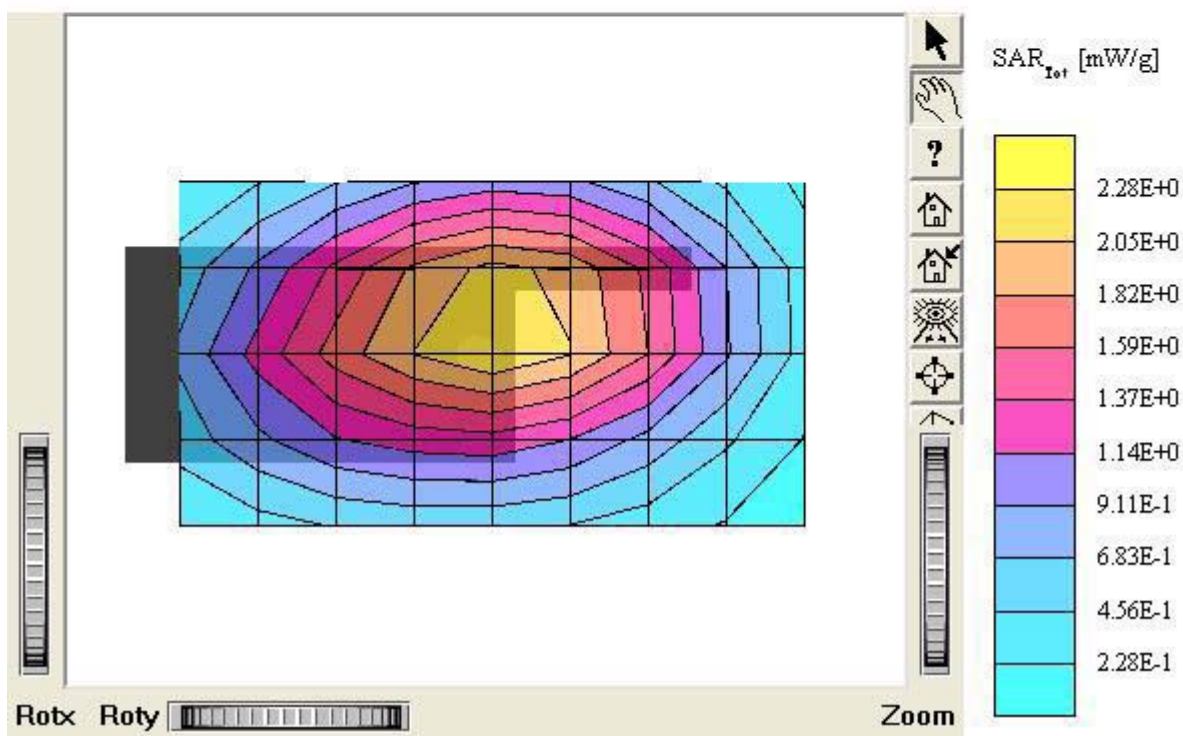
Body / Antenna: in (fixed)

Conducted Power: 2.63W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73, 7.73, 7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 2.04 mW/g, SAR(10g): 1.40 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.88 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

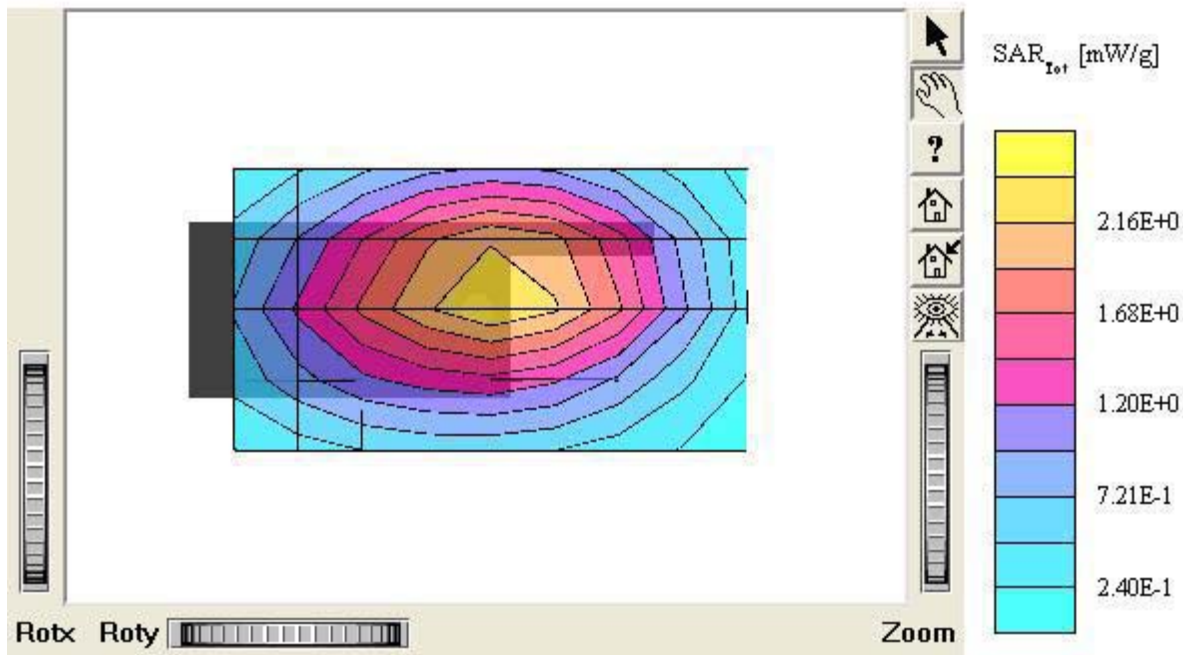
Body / Antenna: in (fixed)

Conducted Power: 2.63W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.581 mW/g, SAR (10g): 0.399 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.52 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

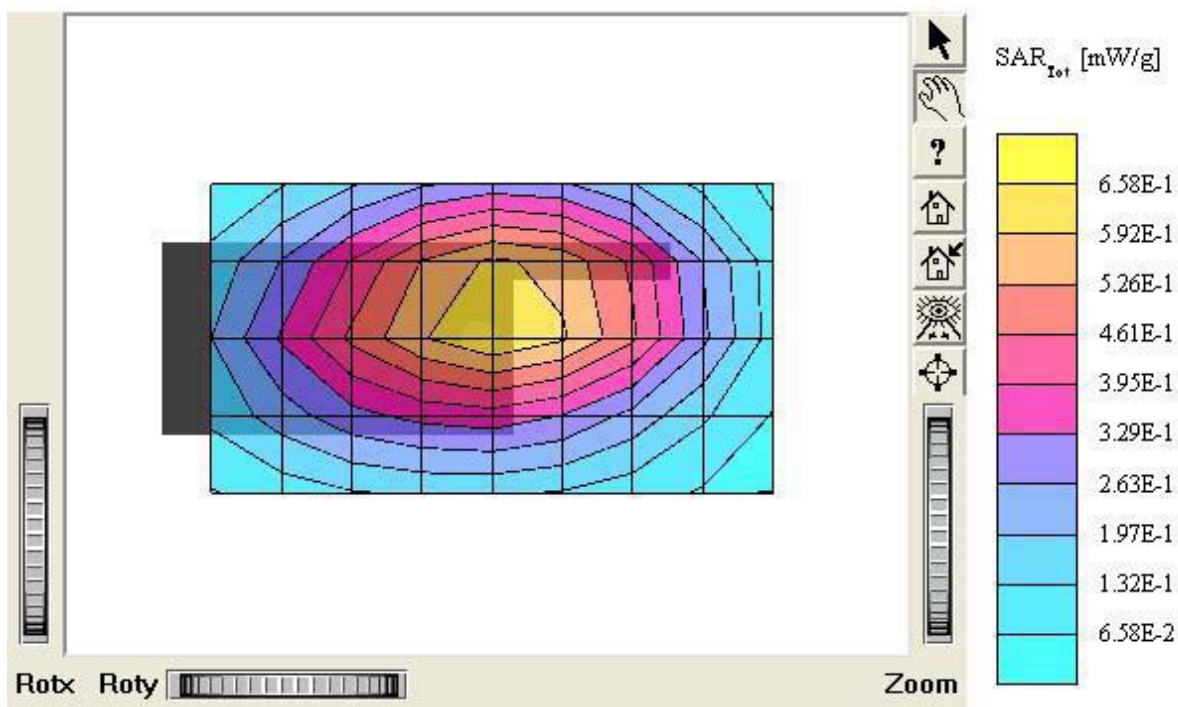
Body / Antenna: in (fixed)

Conducted Power: 0.528W (Battery Type: Rocket)

Mode: FRS / Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.91 mW/g, SAR (10g): 1.32 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.65 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

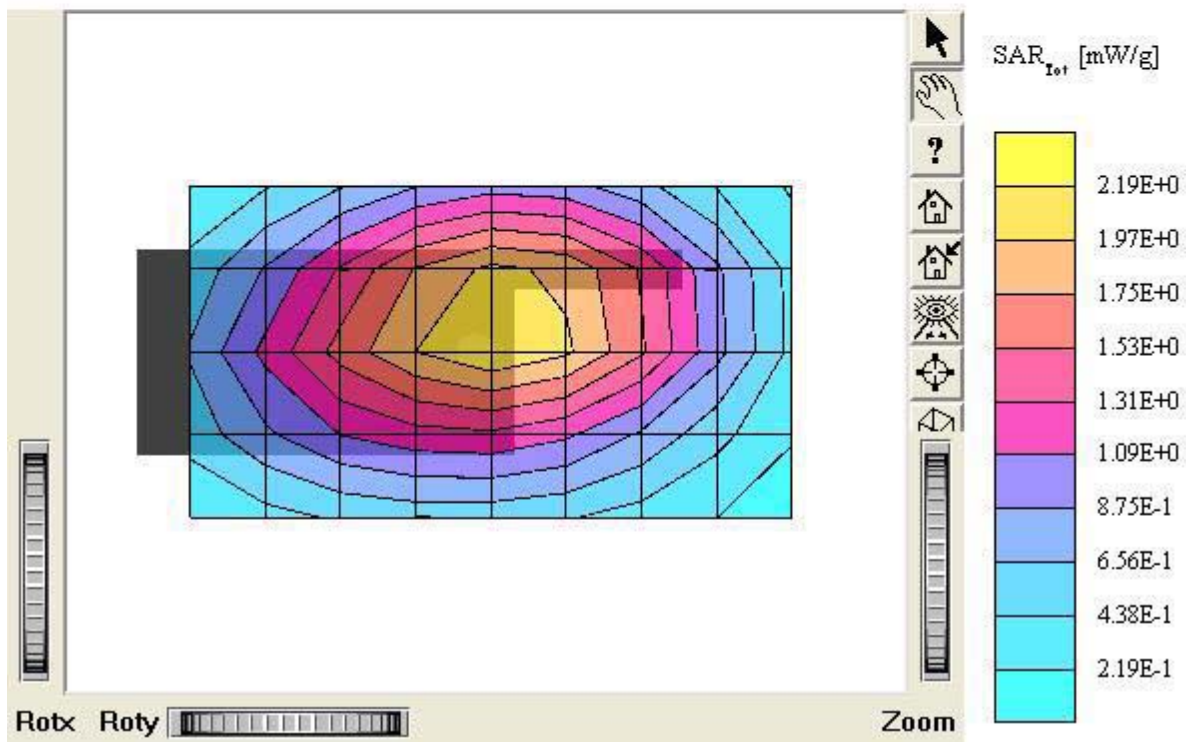
Body / Antenna: in (fixed)

Conducted Power: 2.64W (Battery Type: Bexel)

Mode: FM GMRS / Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90 \text{ mho/m}$, $\epsilon_r = 54.1$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 2.22 mW/g, SAR (10g): 1.52 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.86 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

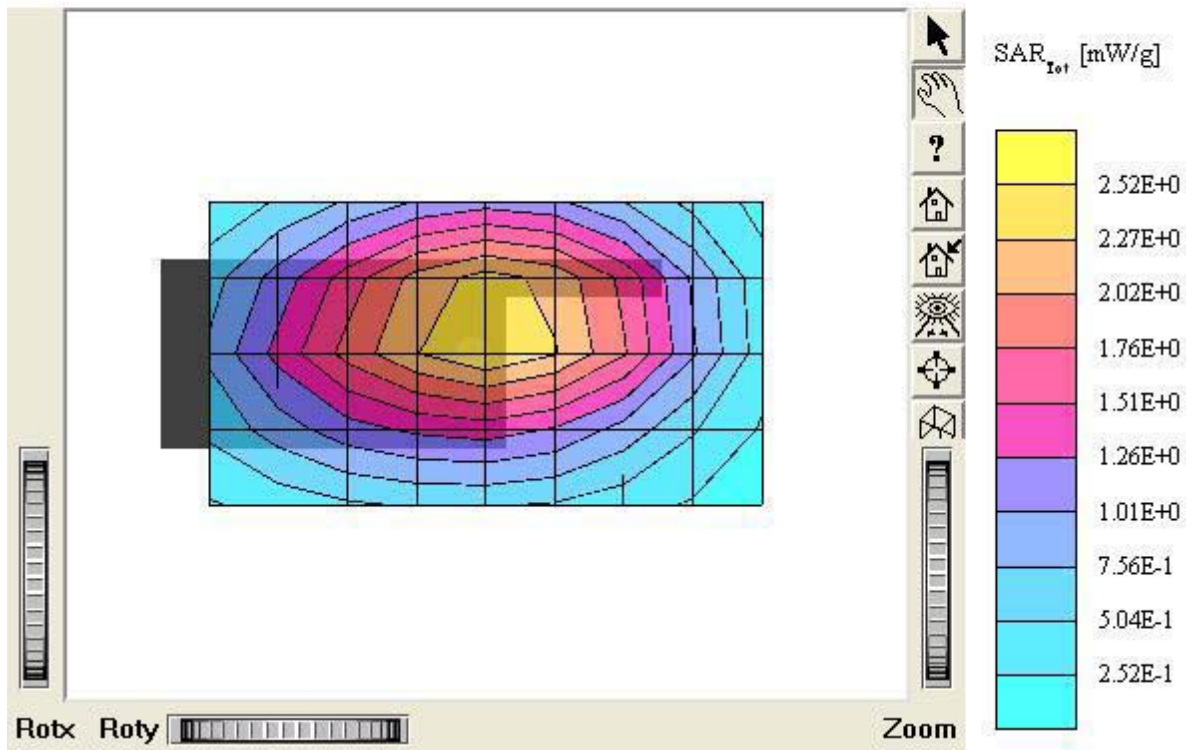
Body / Antenna: in (fixed)

Conducted Power: 2.63W (Battery Type: Duracell)

Mode: FM GMRS / Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 1.81 mW/g, SAR(10g): 1.25 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.16 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

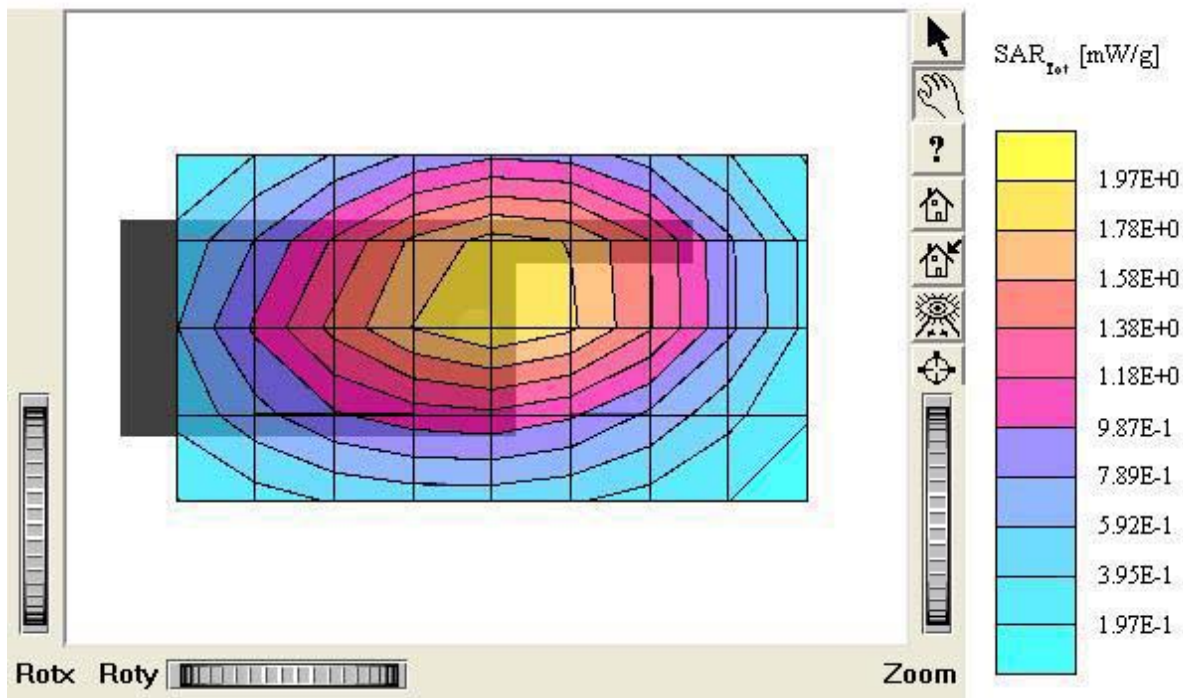
Body / Antenna: in (fixed)

Conducted Power: 1.91W (Battery Type: GP1300)

Mode: FM GMRS / Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90 \text{ mho/m}$, $\epsilon_r = 54.1$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 1.97 mW/g, SAR(10g): 1.36 mW/g

Coarse: Dx = 22.0, Dy = 20.0, Dz = 10.0

Peak: 3.22 mW/g; Powerdrift: -0.67 dB

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

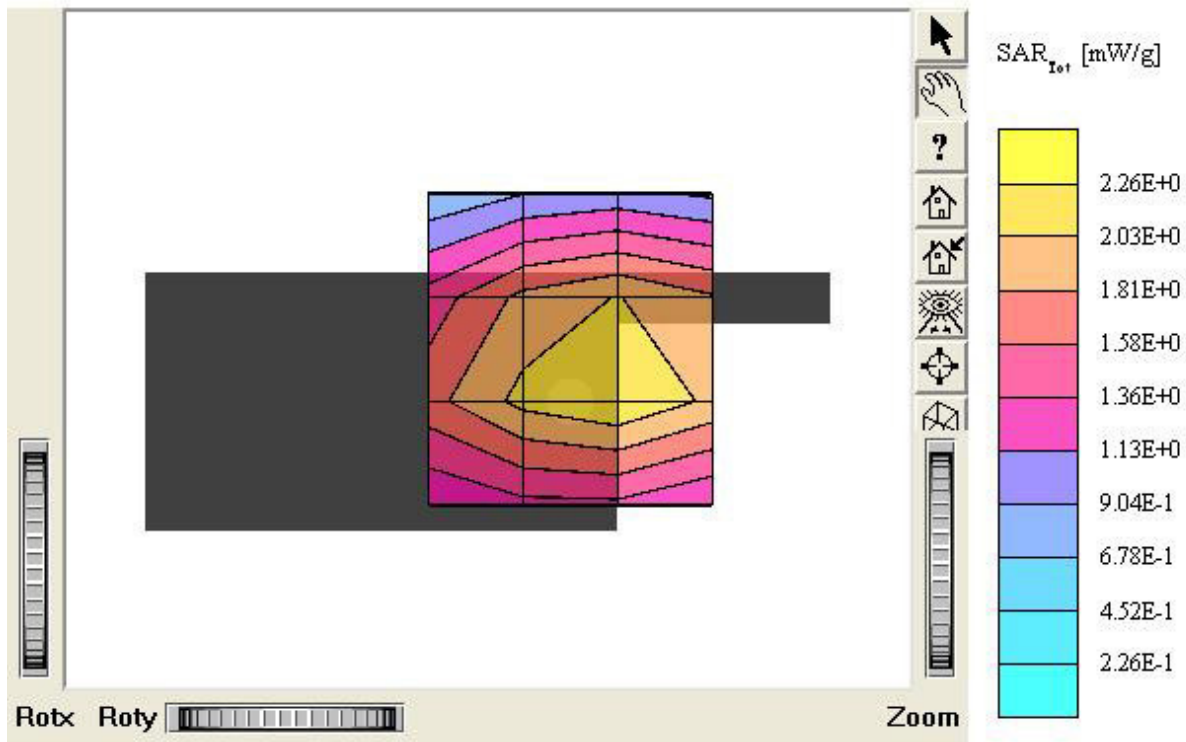
Body / Antenna: in (fixed)

Conducted Power: 2.64W (Battery Type: Duracell)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Face)

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

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 45.5$ $\rho = 1.00 \text{ g/cm}^3$

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

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Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

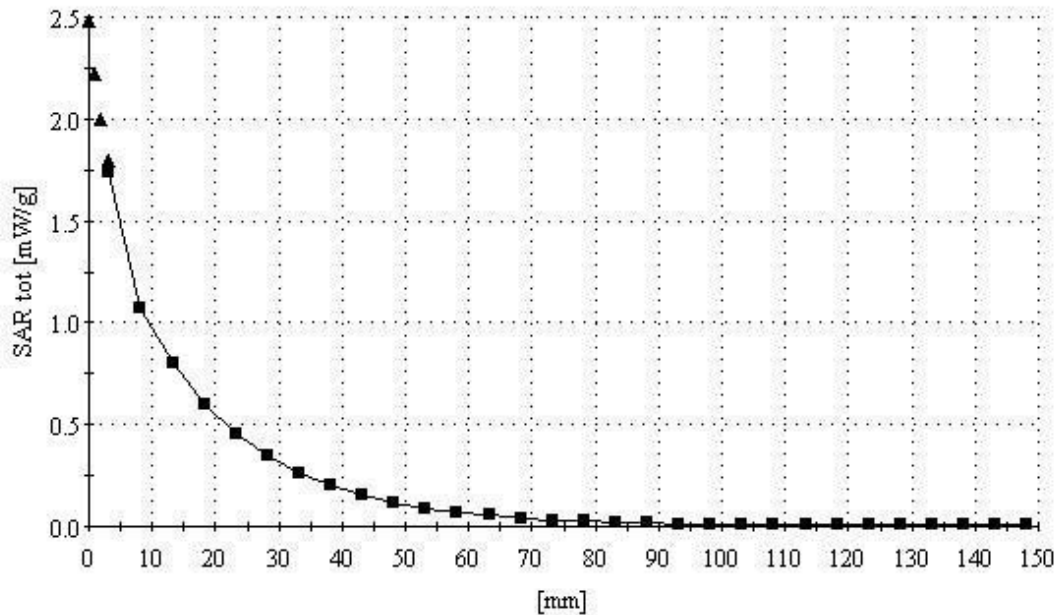
Face / Antenna: in (fixed)

Conducted Power: 2.65W (Battery Type: Rocket)

Mode: FM GMRS / Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006



GXT650 (Body)

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

Probe: ET3DV6 - SN1798; ConvF(7.73,7.73,7.73); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.90$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

:

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

Comment :

FCC ID : MMAGXT600

Company : Midland Radio Corporation.

Body / Antenna: in (fixed)

Conducted Power: 2.63W (Battery Type: Duracell)

Mode: FM GMRS / Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.9 °C

Date Tested : February 14, 2006

