

## APPENDIX A – SAR TEST PLOTS

**LXT410 (face)**

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:  $\sigma = 0.85$  mho/m  $\epsilon_r = 44.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.457 mW/g, SAR (10g): 0.327 mW/g

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

Peak: 0.659 mW/g; Powerdrift: -0.91 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

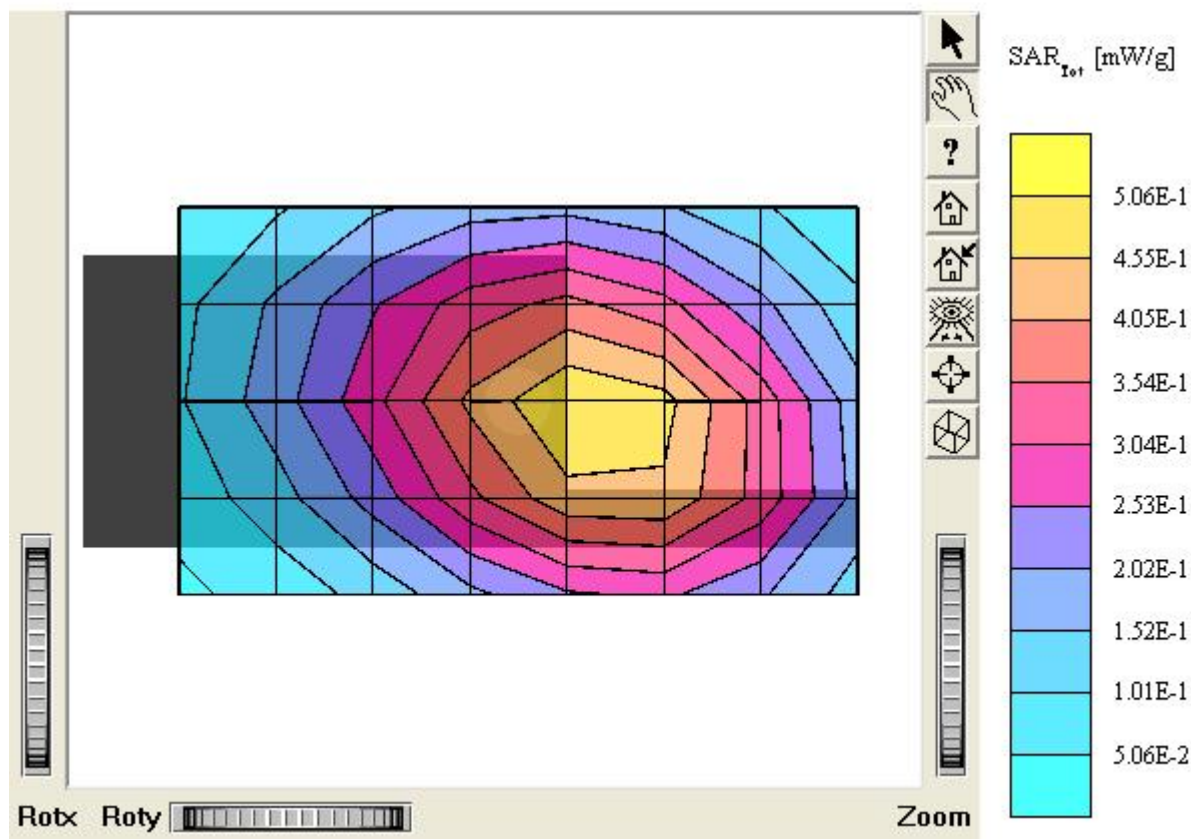
Face / Antenna: in (fixed)

Conducted Power: 1.52W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



**LXT410 (face)**

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:  $\sigma = 0.85$  mho/m  $\epsilon_r = 44.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.402 mW/g, SAR (10g): 0.288 mW/g

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

Peak: 0.577 mW/g; Powerdrift: -0.78 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

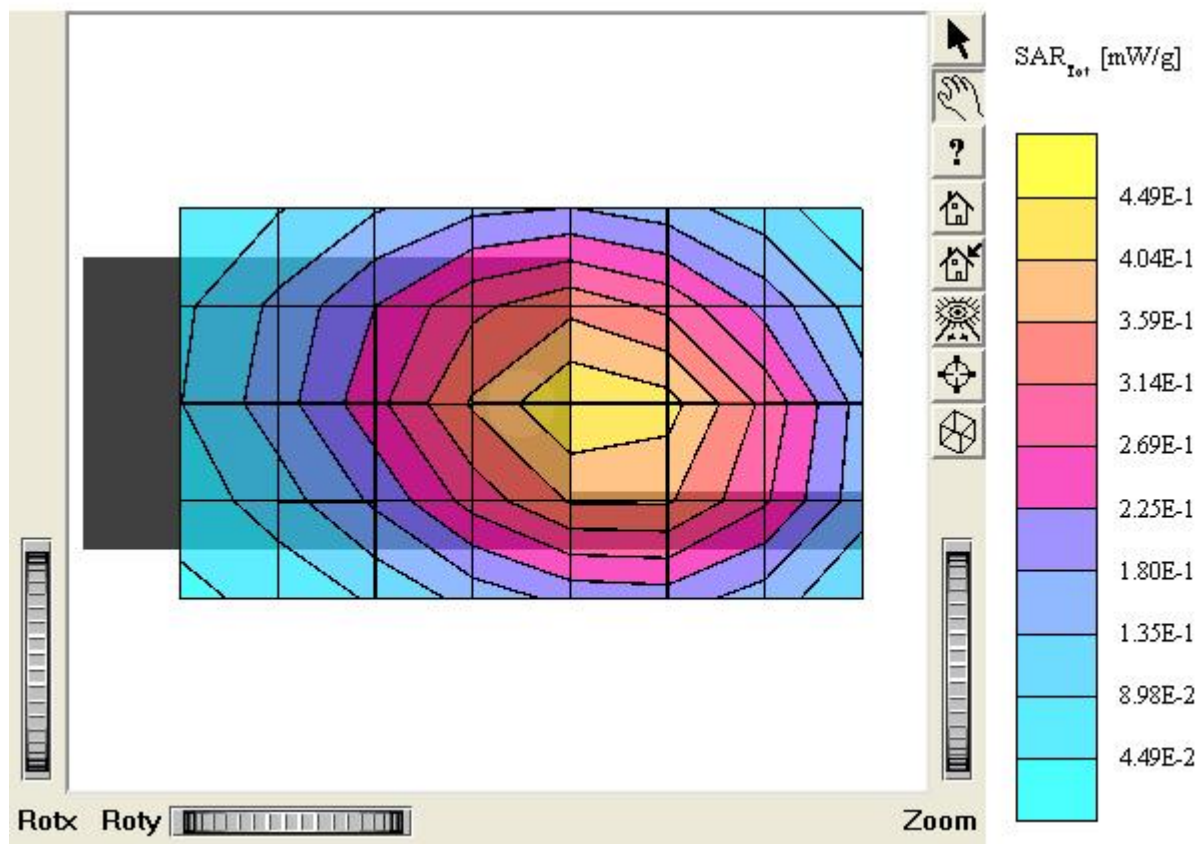
Face / Antenna: in (fixed)

Conducted Power: 1.52W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



**LXT410 (face)**

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:  $\sigma = 0.85 \text{ mho/m}$   $\epsilon_r = 44.8$   $\rho = 1.00 \text{ g/cm}^3$ 

Cube 5x5x7: SAR (1g): 0.430 mW/g, SAR (10g): 0.306 mW/g

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

Peak: 0.622 mW/g; Powerdrift: -0.64 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

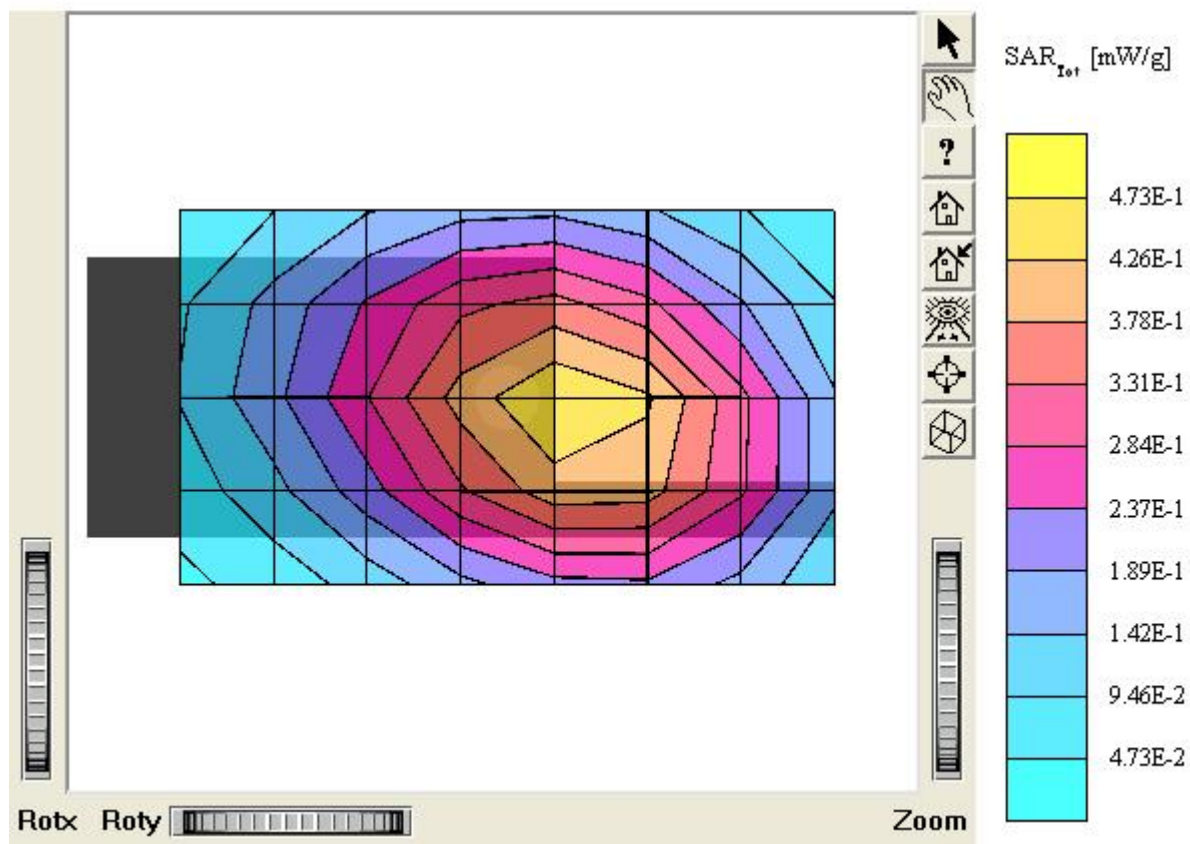
Face / Antenna: in (fixed)

Conducted Power: 1.53W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



**LXT410 (face)**

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:  $\sigma = 0.85$  mho/m  $\epsilon_r = 44.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.342 mW/g, SAR (10g): 0.243 mW/g

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

Peak: 0.494 mW/g; Powerdrift: -0.31 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

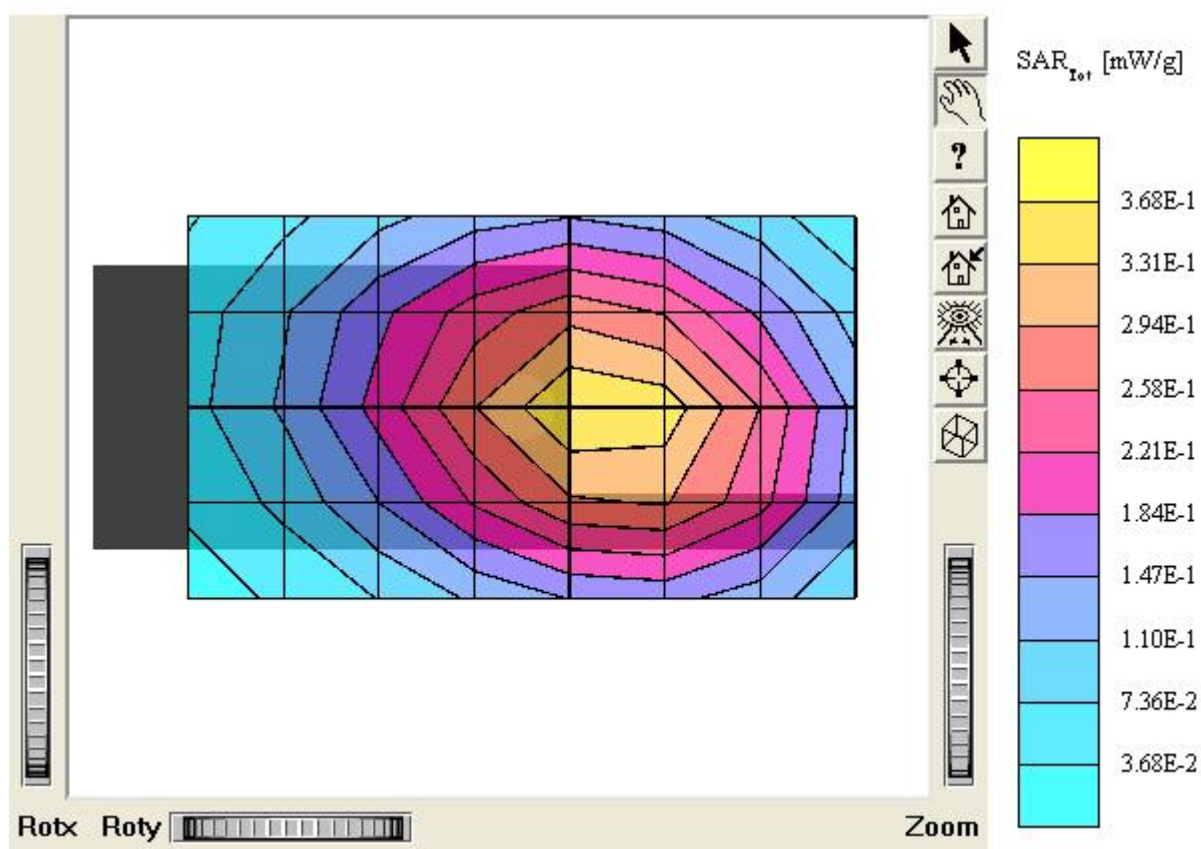
Face / Antenna: in (fixed)

Conducted Power: 0.702W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (face)

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:  $\sigma = 0.85$  mho/m  $\epsilon_r = 44.8$   $\rho =$

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

Cube 5x5x7: SAR(1g): 0.380 mW/g, SAR(10g): 0.273 mW/g

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

Peak: 0.545 mW/g; Powerdrift: -1.09 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

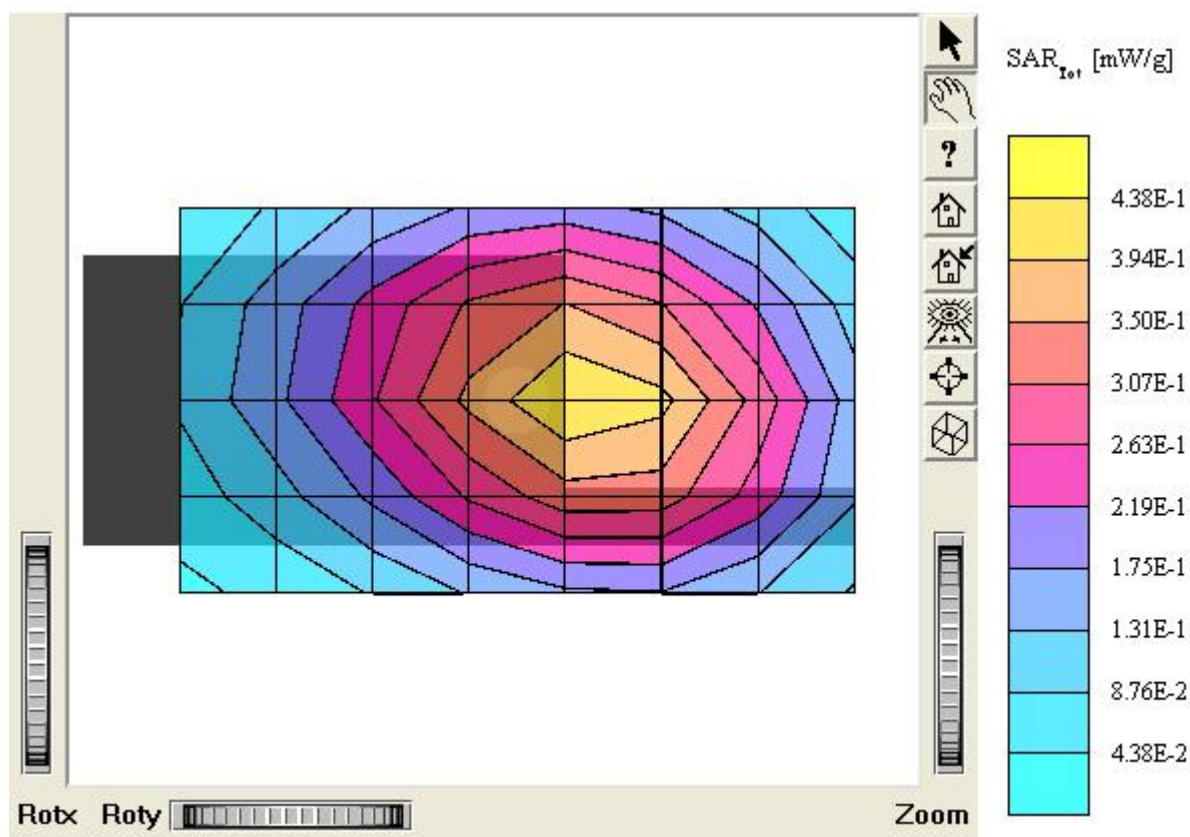
Face / Antenna: in (fixed)

Conducted Power : 1.53W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



**LXT410 (face)**

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:  $\sigma = 0.85 \text{ mho/m}$   $\epsilon_r = 44.8$   $\rho = 1.00 \text{ g/cm}^3$ 

Cube 5x5x7: SAR (1g): 0.399 mW/g, SAR (10g): 0.285 mW/g

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

Peak: 0.574 mW/g; Powerdrift: -0.86 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

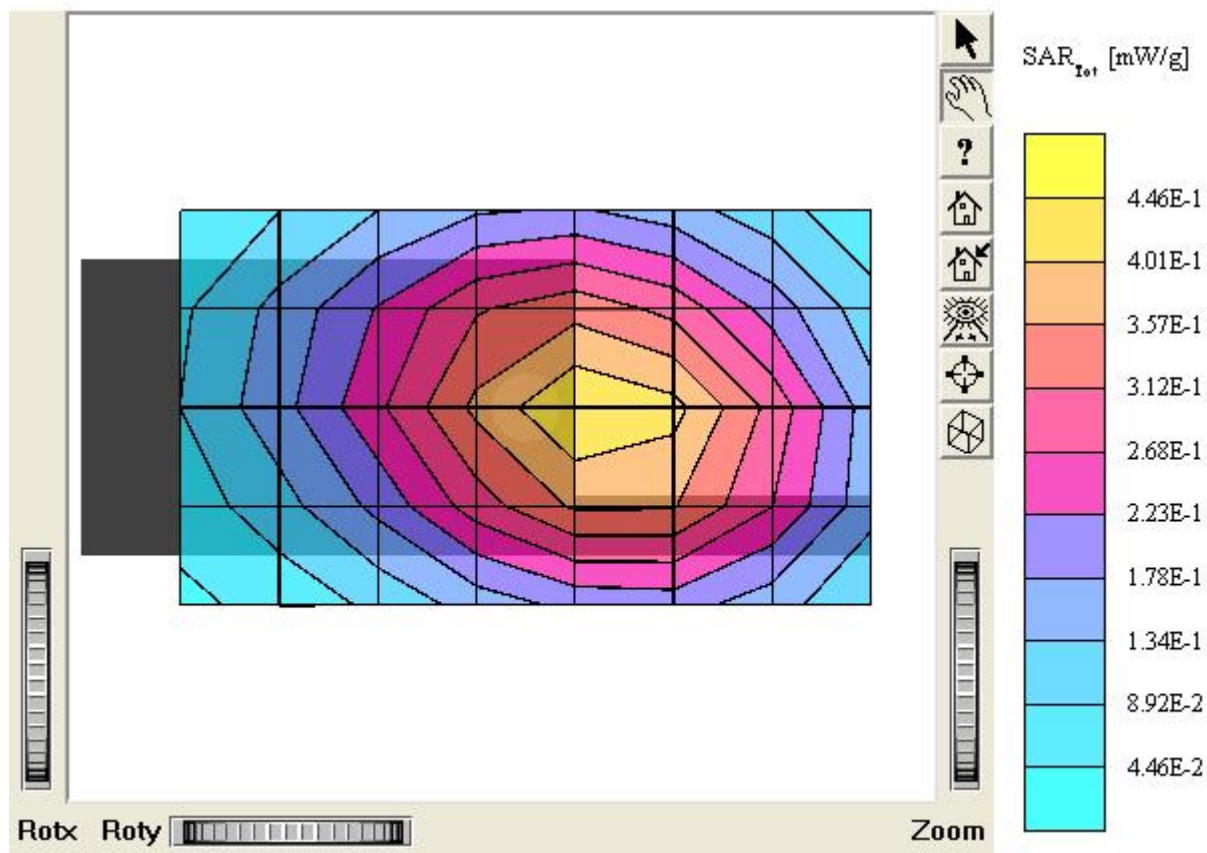
Face / Antenna: in (fixed)

Conducted Power: 1.56W (Battery Type: Bexel)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



**LXT410 (face)**

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:  $\sigma = 0.85$  mho/m  $\epsilon_r = 44.8$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.300 mW/g, SAR (10g): 0.213 mW/g

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

Peak: 0.434 mW/g; Powerdrift: -0.41 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

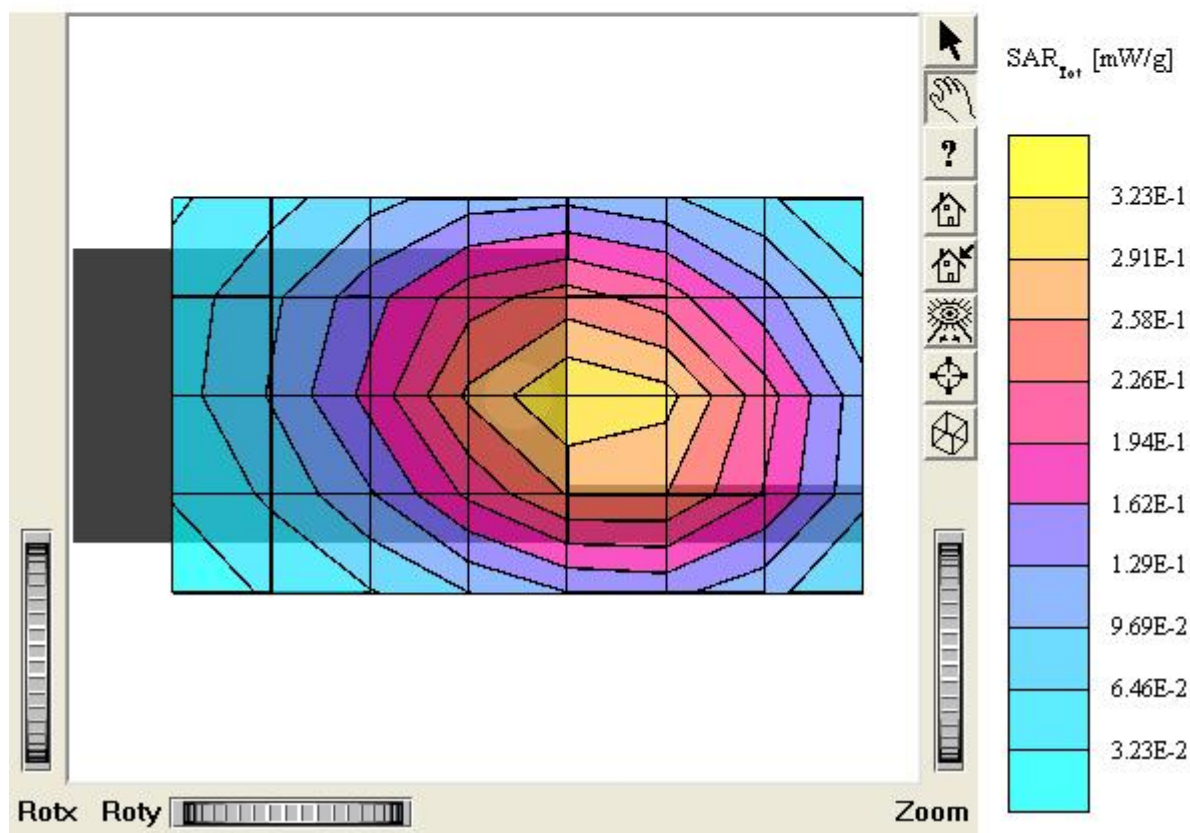
Face / Antenna: in (fixed)

Conducted Power : 1.27W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92 \text{ mho/m}$ ,  $\epsilon_r = 54.2$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.517 mW/g, SAR(10g): 0.356 mW/g

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

Peak: 0.777 mW/g; Powerdrift: -1.02 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

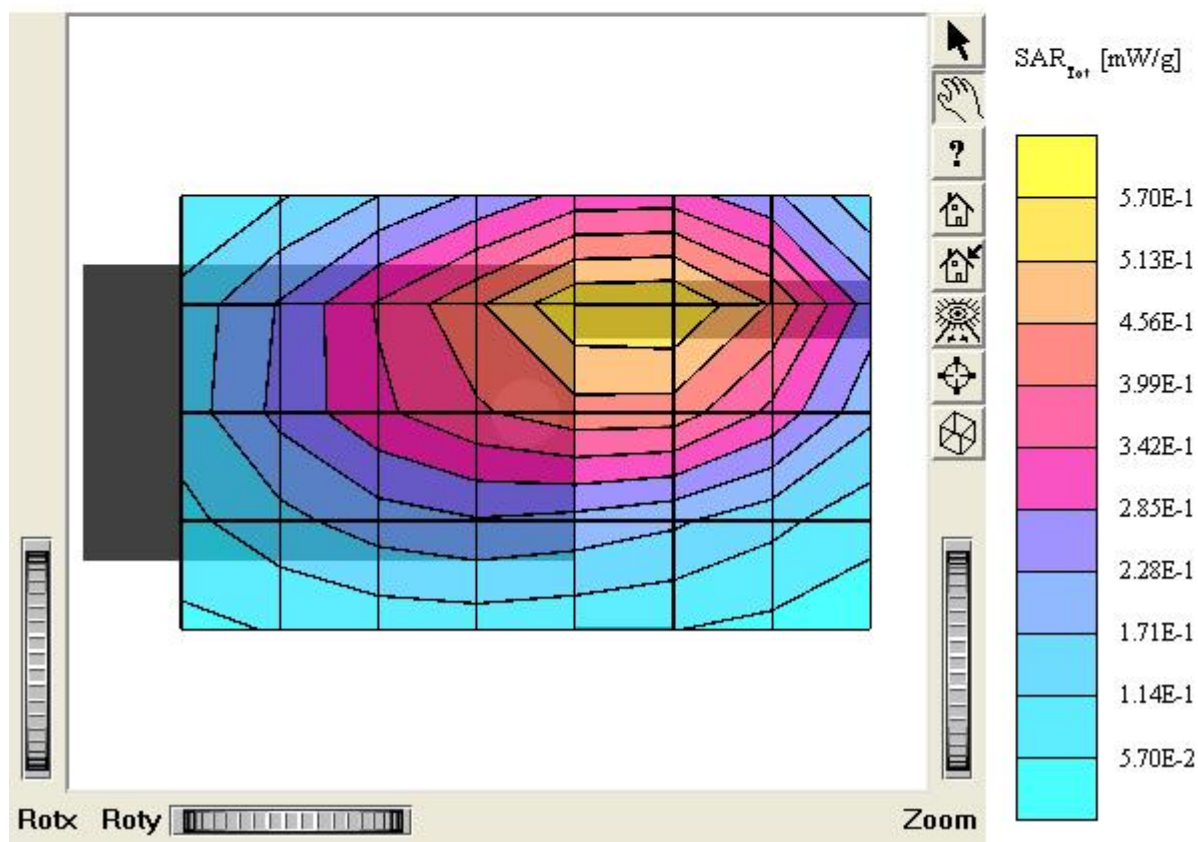
Body / Antenna: in (fixed)

Conducted Power: 1.50W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92 \text{ mho/m}$ ,  $\epsilon_r = 54.2$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.510 mW/g, SAR (10g): 0.352 mW/g

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

Peak: 0.763 mW/g; Powerdrift: -0.82 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

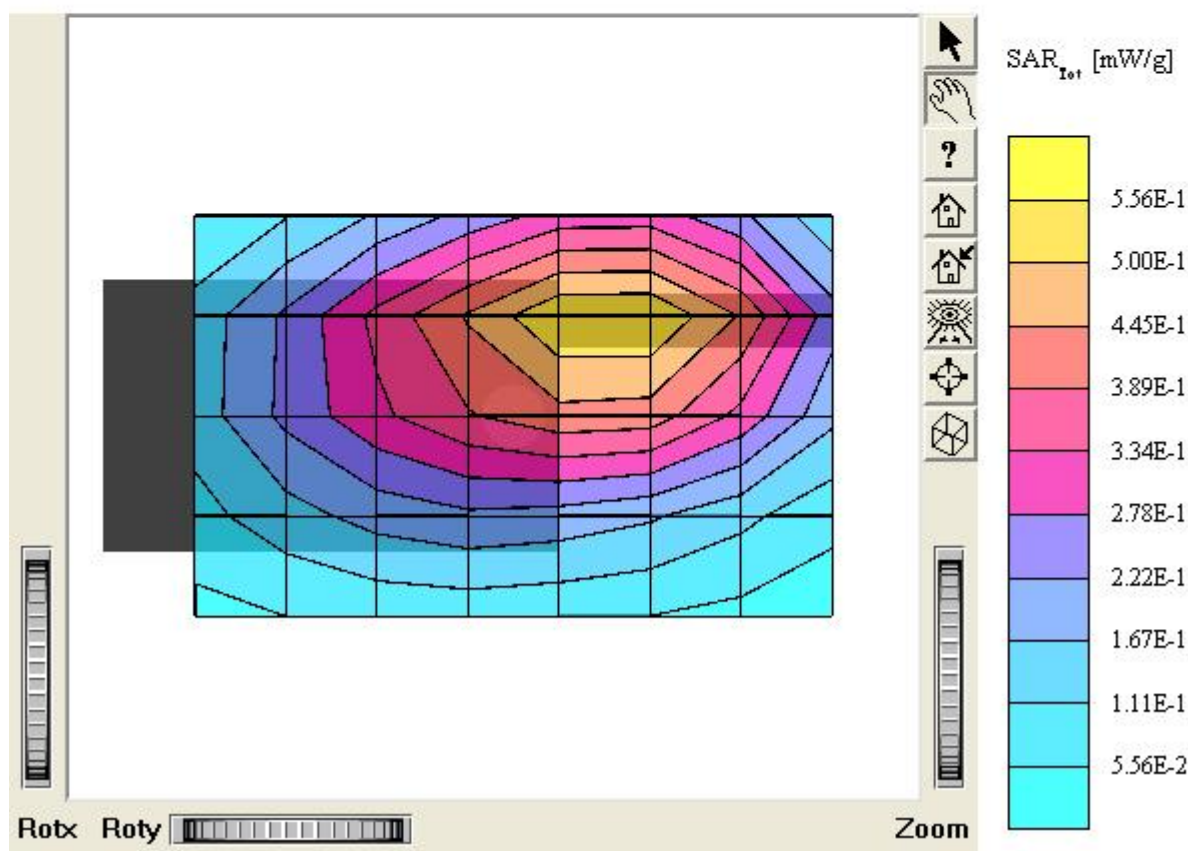
Body / Antenna: in (fixed)

Conducted Power: 1.53W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92$  mho/m  $\epsilon_r = 54.2$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR(1g): 0.501 mW/g, SAR(10g): 0.345 mW/g

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

Peak: 0.752 mW/g; Powerdrift: -0.77 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

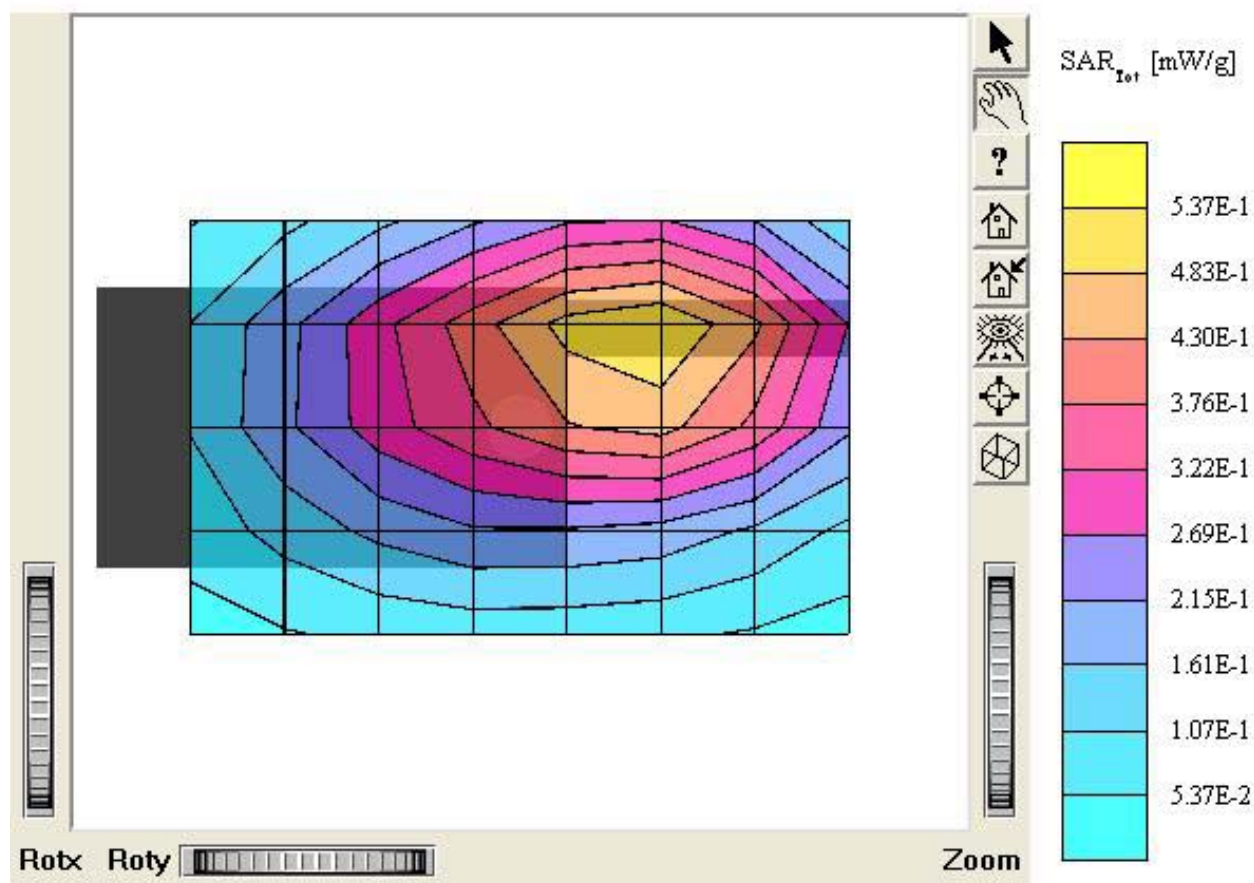
Body / Antenna: in (fixed)

Conducted Power: 1.54W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92 \text{ mho/m}$ ,  $\epsilon_r = 54.2$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.427 mW/g, SAR(10g): 0.295 mW/g

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

Peak: 0.638 mW/g; Powerdrift: -0.39 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

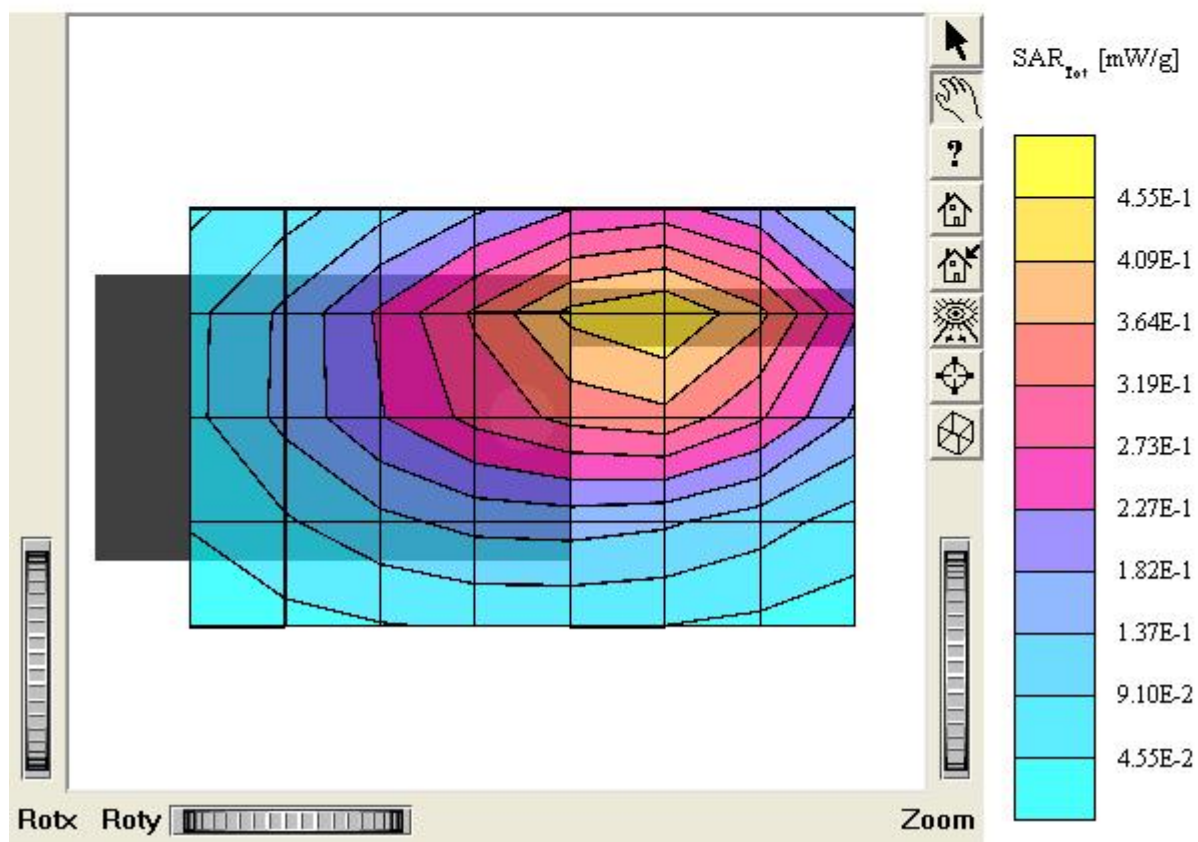
Body / Antenna: in (fixed)

Conducted Power: 0.700W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92$  mho/m  $\epsilon_r = 54.2$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.431 mW/g, SAR (10g): 0.296 mW/g

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

Peak: 0.643 mW/g; Powerdrift: -0.69 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

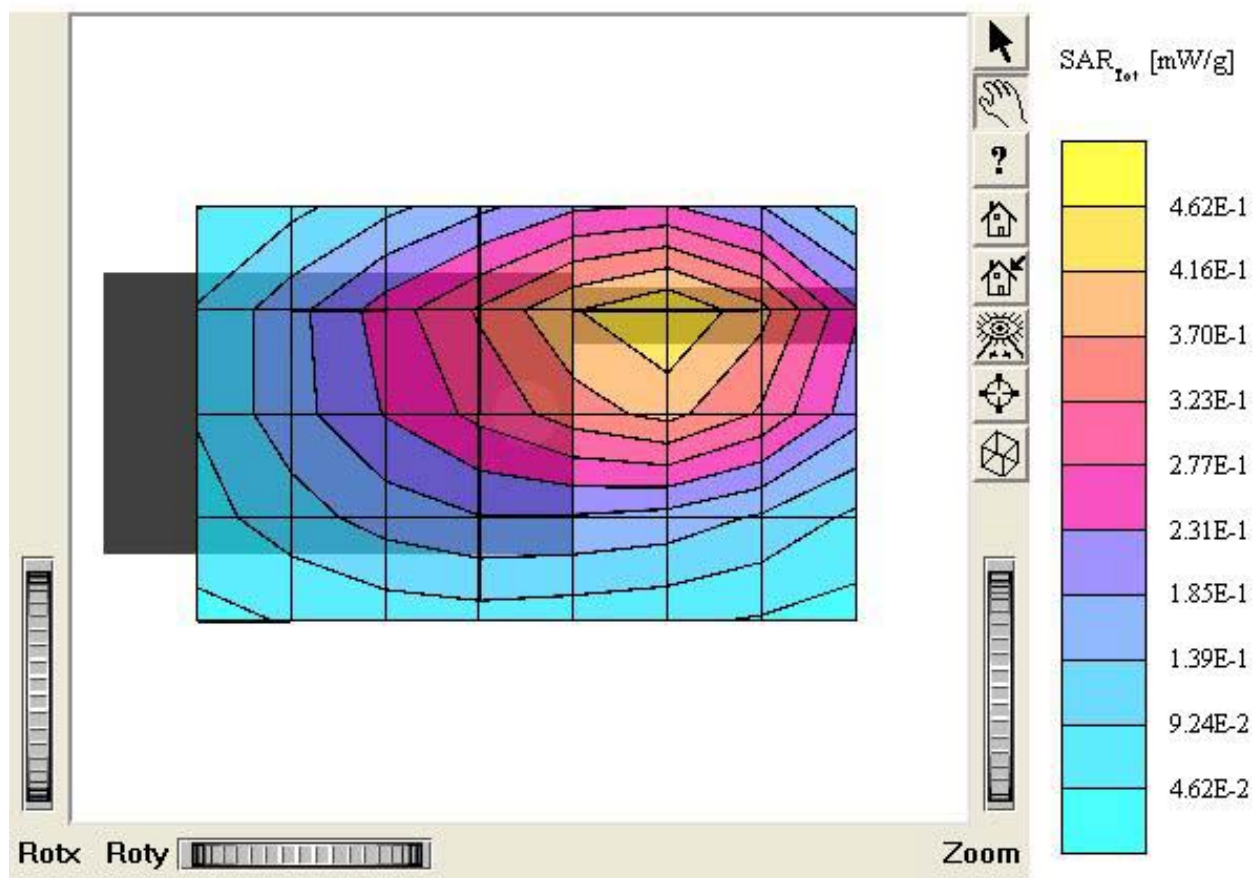
Body / Antenna: in (fixed)

Conducted Power : 1.52W (Battery Type: Energizer)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92 \text{ mho/m}$ ,  $\epsilon_r = 54.2$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.432 mW/g, SAR (10g): 0.298 mW/g

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

Peak: 0.647 mW/g; Powerdrift: -0.90 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

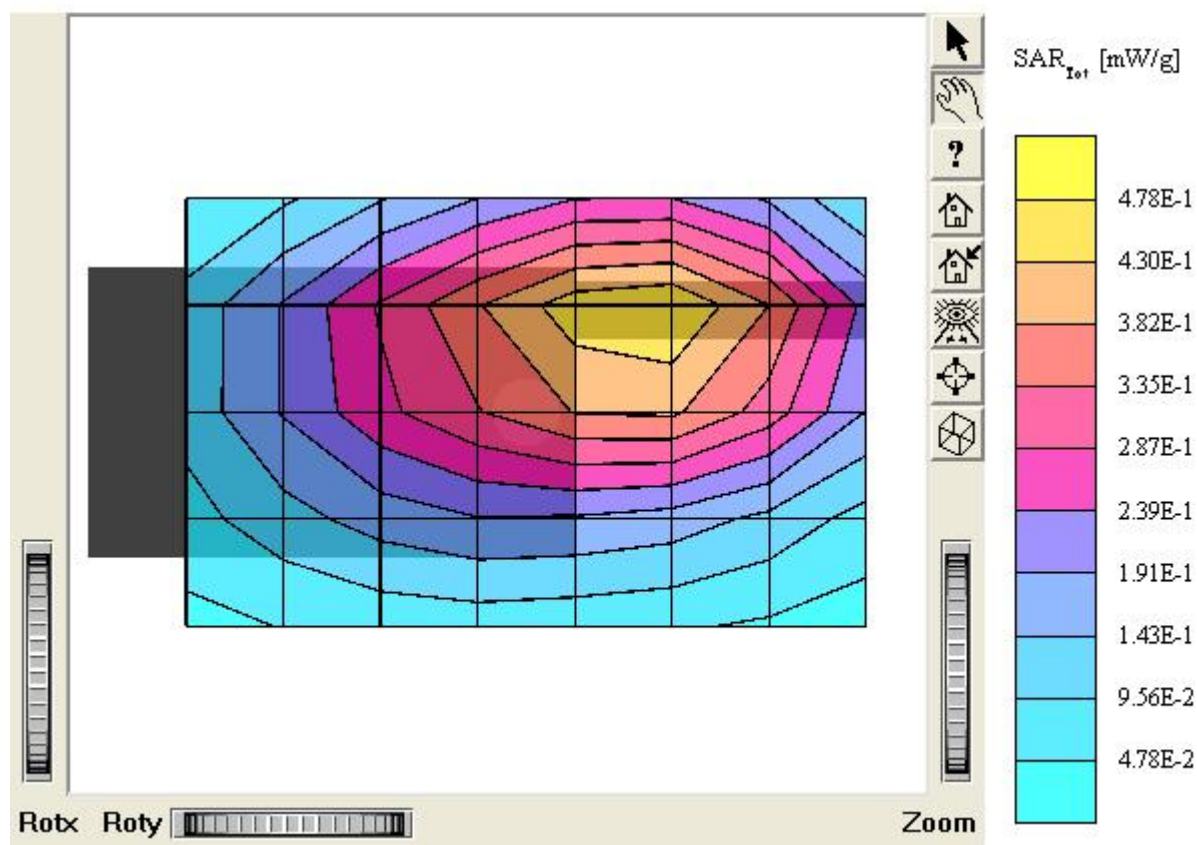
Body / Antenna: in (fixed)

Conducted Power: 1.55W (Battery Type: Bexel)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92 \text{ mho/m}$ ,  $\epsilon_r = 54.2$ ,  $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.374 mW/g, SAR(10g): 0.259 mW/g

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

Peak: 0.559 mW/g; Powerdrift: -0.82 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

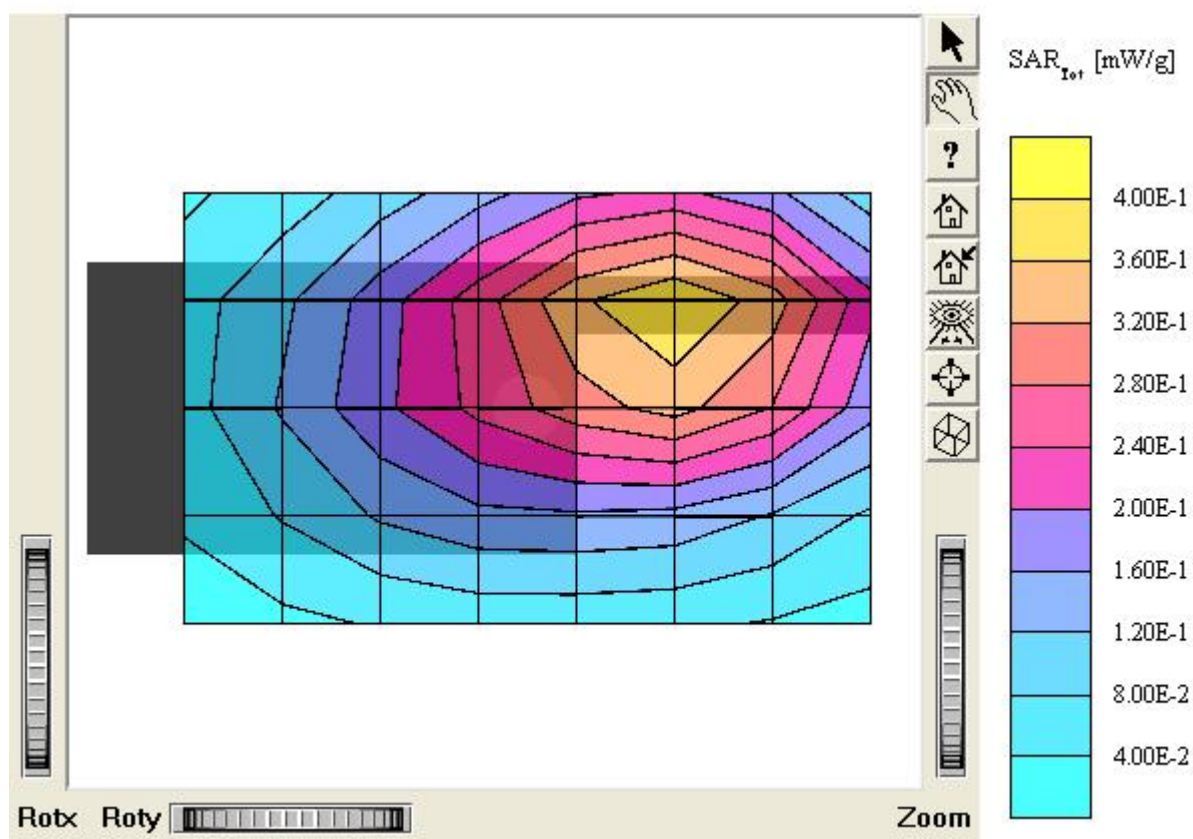
Face / Antenna: in (fixed)

Conducted Power : 1.29W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92$  mho/m  $\epsilon_r = 54.2$   $\rho = 1.00$  g/cm<sup>3</sup>

Cube 5x5x7: SAR (1g): 0.422 mW/g, SAR (10g): 0.290 mW/g

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

Peak: 0.637 mW/g; Powerdrift: -0.88 dB

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

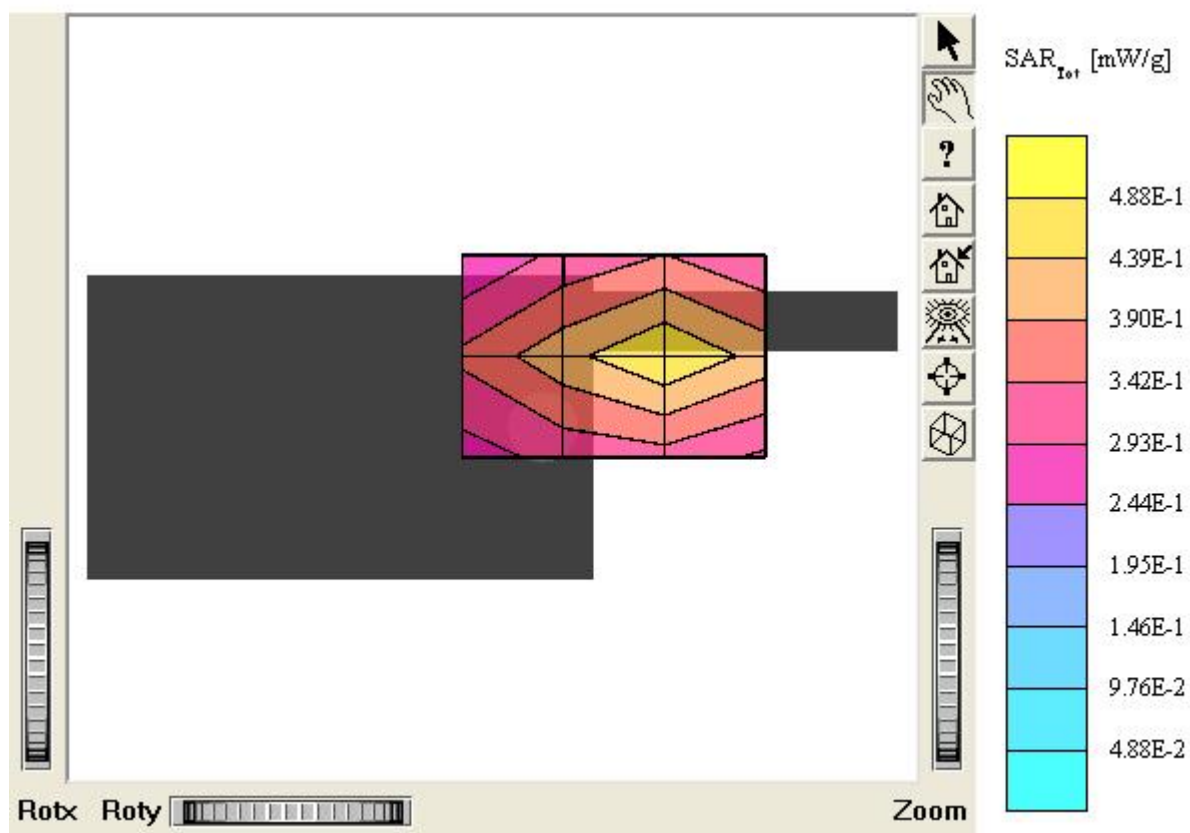
Face / Antenna: in (fixed)

Conducted Power: 1.53W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



**LXT410 (face)**

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:  $\sigma = 0.85$  mho/m  $\epsilon_r = 44.8$   $\rho = 1.00$  g/cm<sup>3</sup>

:

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

:

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

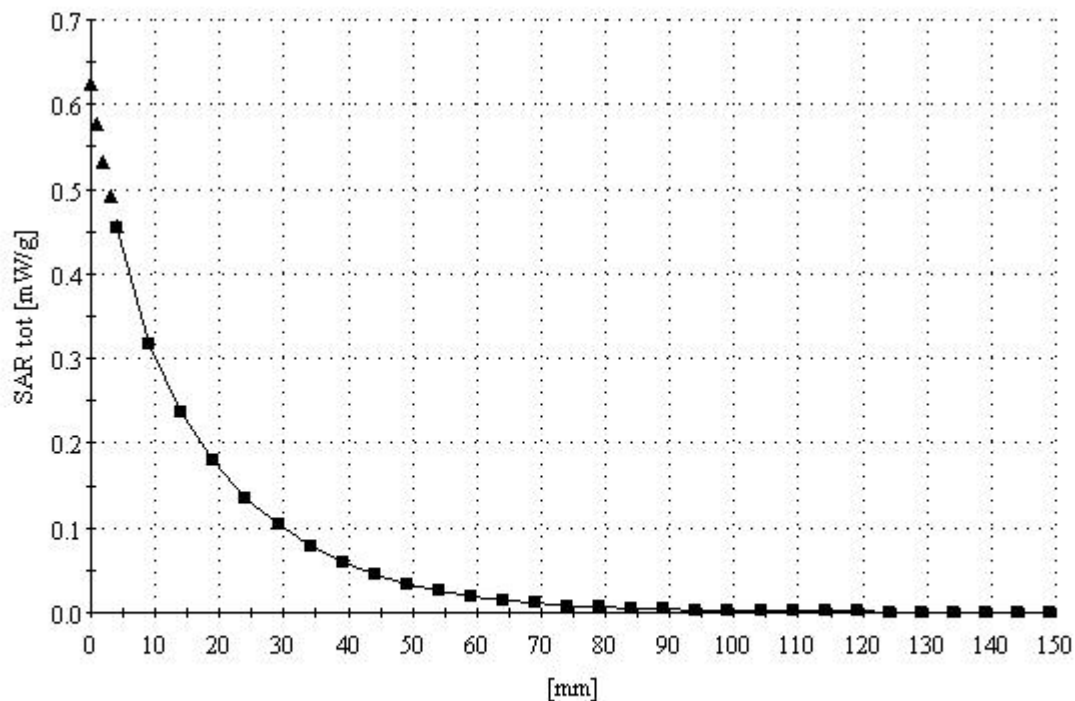
Face / Antenna: in (fixed)

Conducted Power: 1.52W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005



## LXT410 (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:  $\sigma = 0.92 \text{ mho/m}$   $\epsilon_r = 54.2$   $\rho = 1.00 \text{ g/cm}^3$

:

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

:

Comment :

FCC ID : MMALXT410

Company : Midland Radio Corporation.

Body / Antenna: in (fixed)

Conducted Power: 1.50W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.1 °C

Date Tested : March 12, 2005

