

APPENDIX A – SAR TEST PLOTS

LXT210 (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: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.423 mW/g, SAR (10g): 0.301 mW/g

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

Peak: 0.618 mW/g; Powerdrift: -0.74 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

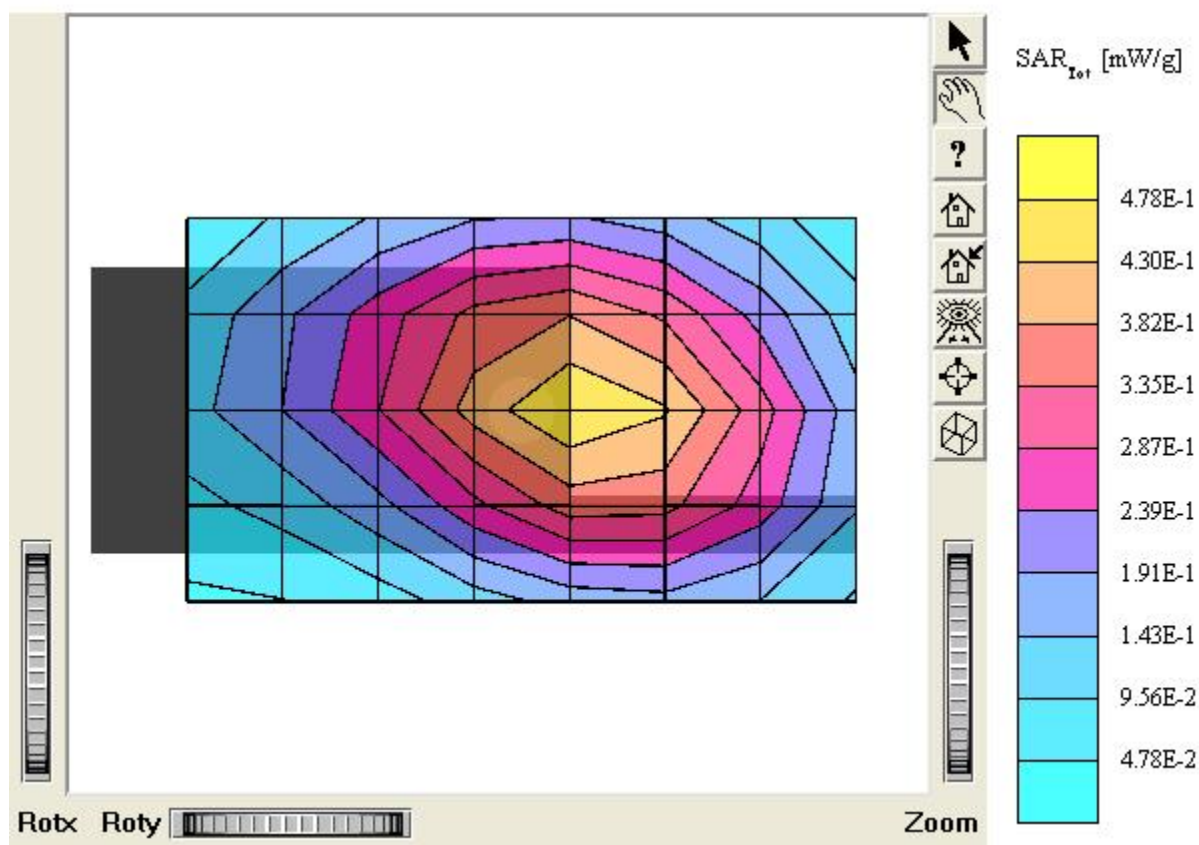
Face / Antenna: in (fixed)

Conducted Power: 1.45W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.446 mW/g, SAR (10g): 0.318 mW/g

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

Peak: 0.646 mW/g; Powerdrift: -0.71 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

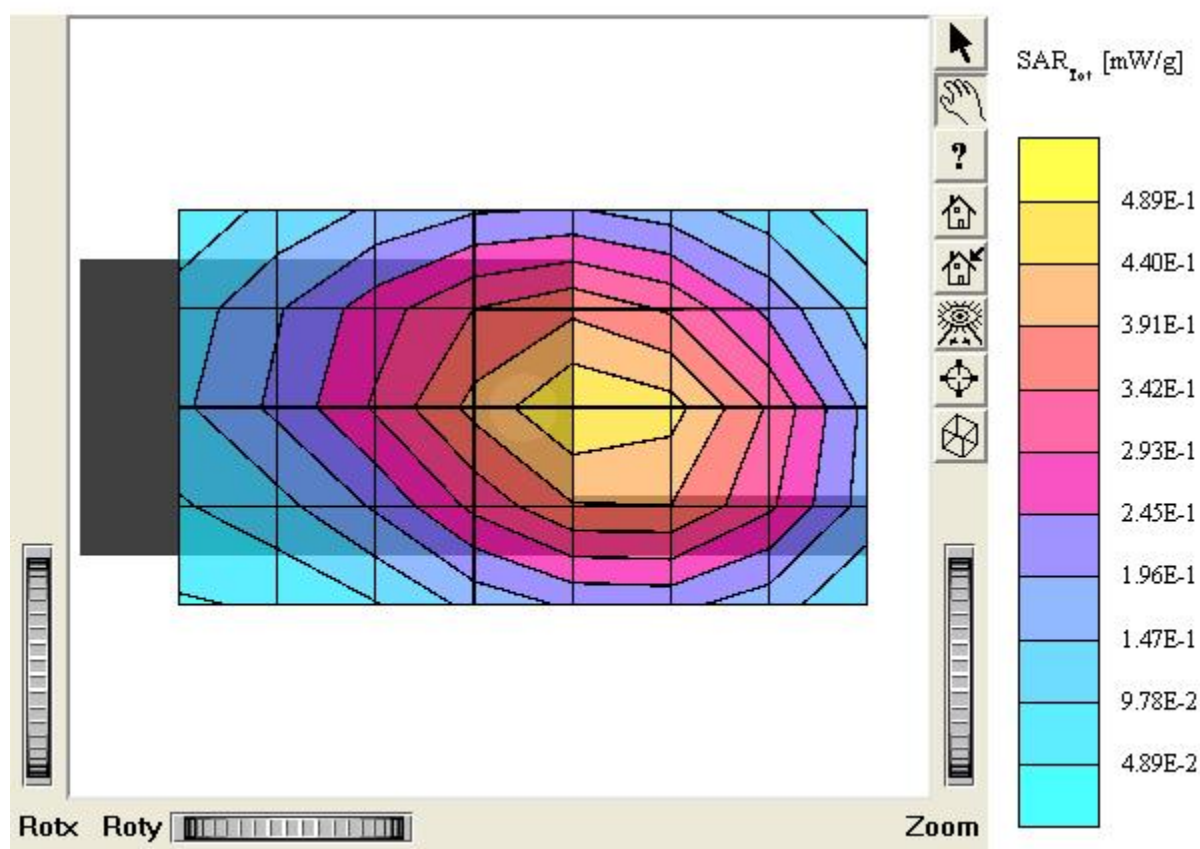
Face / Antenna: in (fixed)

Conducted Power: 1.43W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho =$

1.00 g/cm^3

Cube 5x5x7: SAR (1g): 0.466 mW/g, SAR (10g): 0.332 mW/g

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

Peak: 0.672 mW/g; Powerdrift: -0.79 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

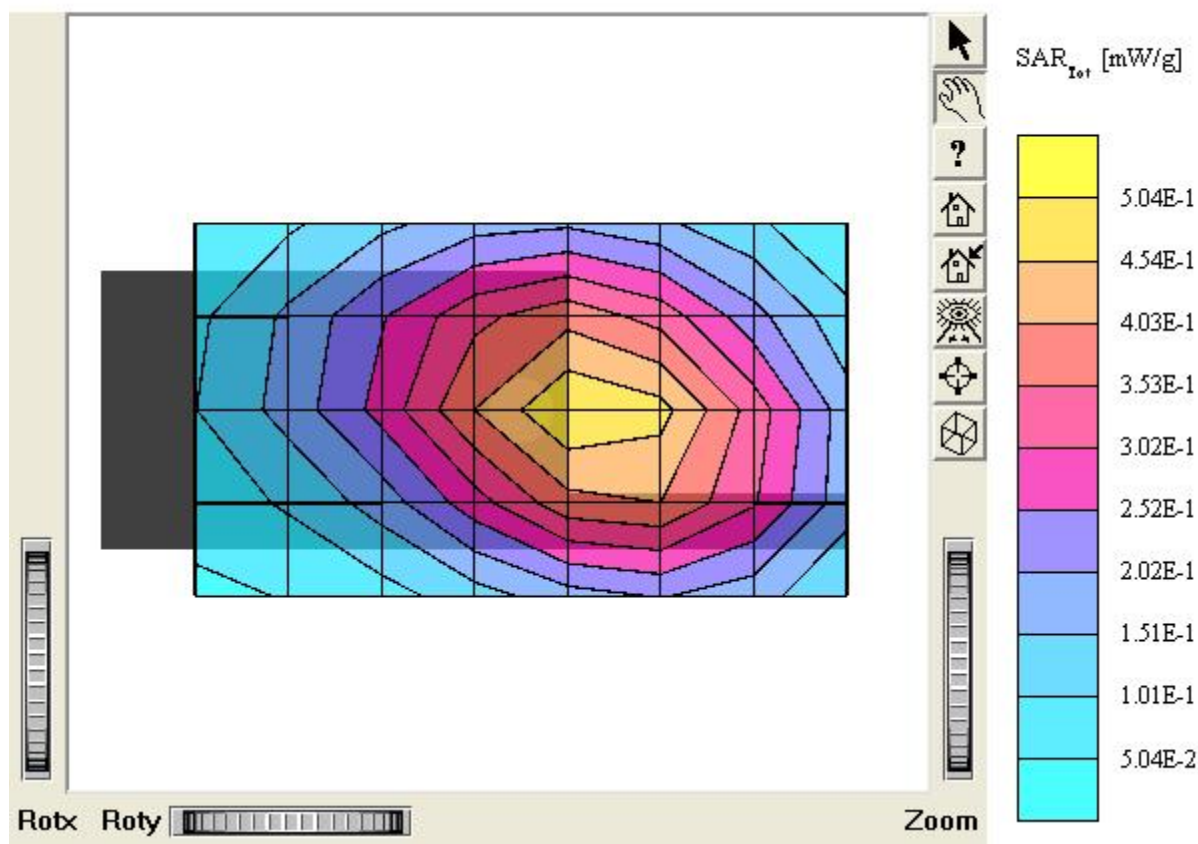
Face / Antenna: in (fixed)

Conducted Power: 1.46W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86 \text{ mho/m}$, $\epsilon_r = 43.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.185 mW/g, SAR(10g): 0.132 mW/g

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

Peak: 0.267 mW/g; Powerdrift: -0.01 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

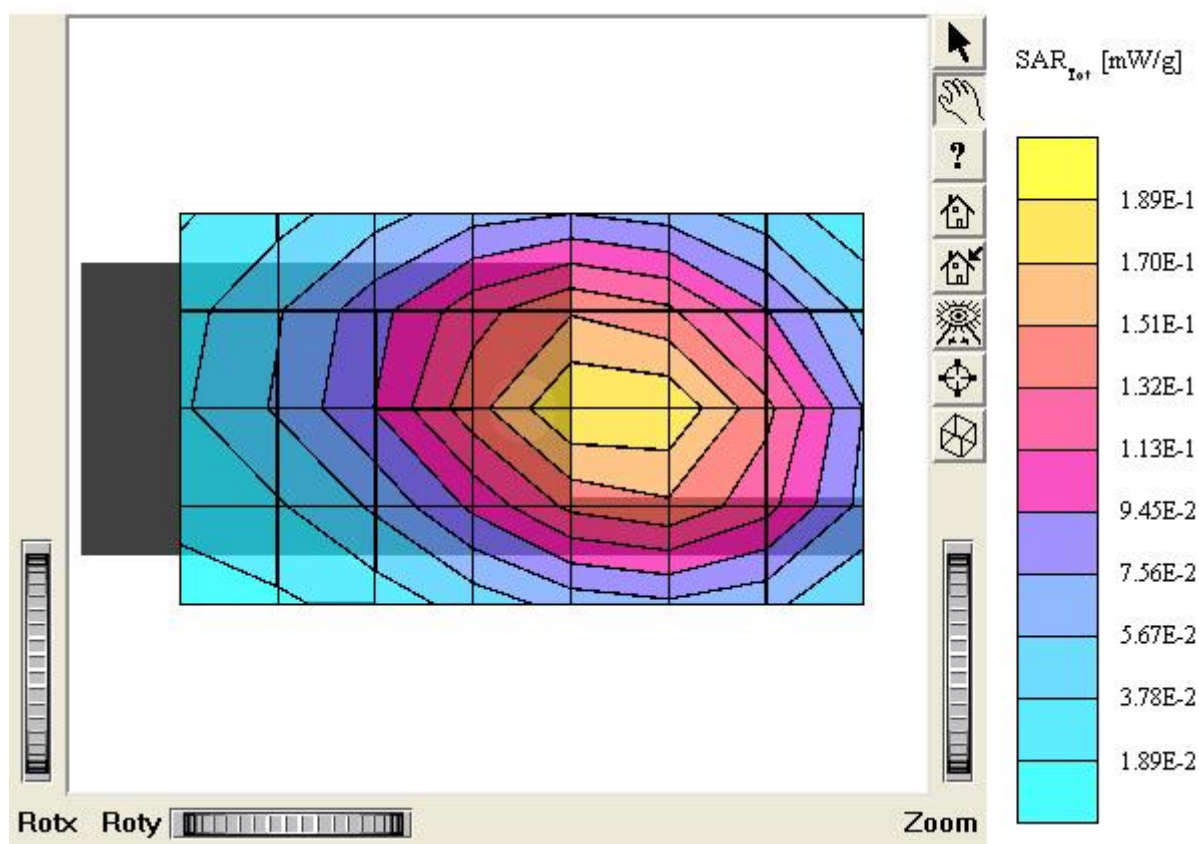
Face / Antenna: in (fixed)

Conducted Power: 0.574W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.408 mW/g, SAR (10g): 0.290 mW/g

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

Peak: 0.592 mW/g; Powerdrift: -0.47 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

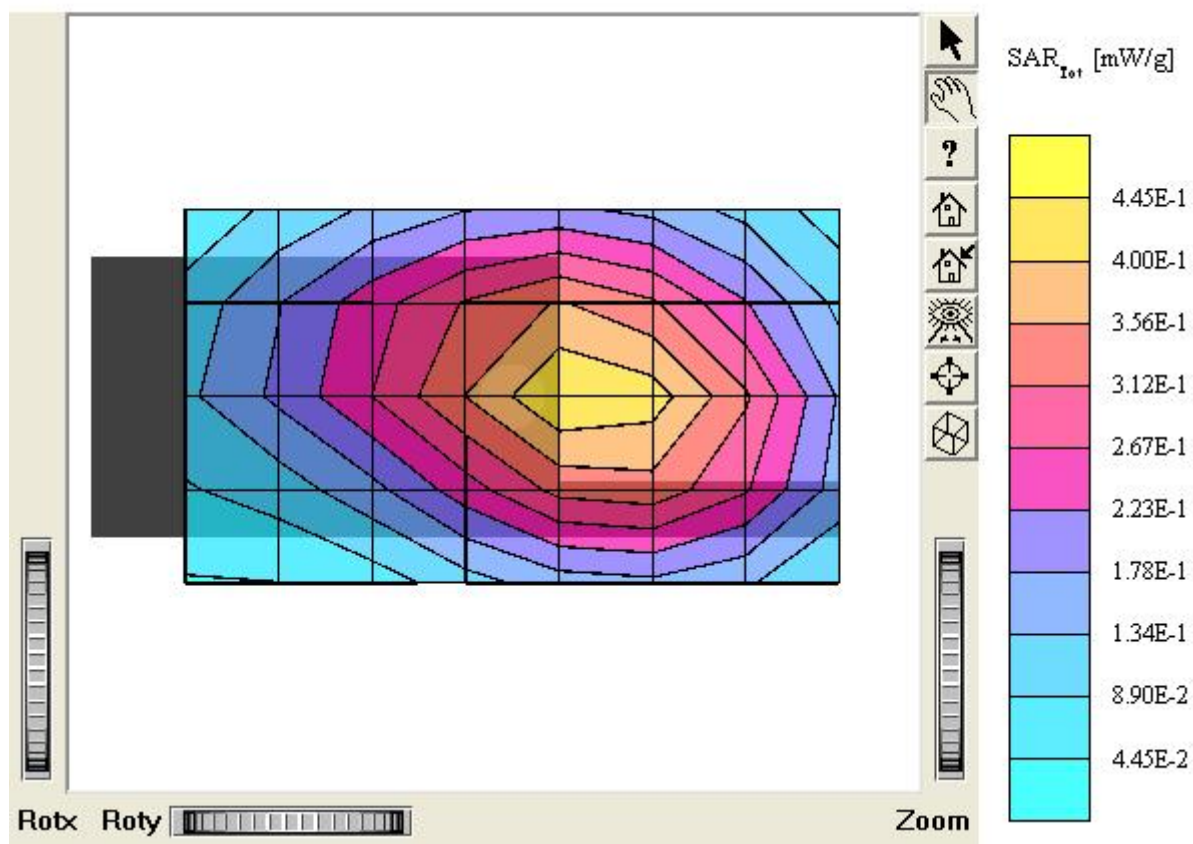
Face / Antenna: in (fixed)

Conducted Power : 1.46W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.349 mW/g, SAR (10g): 0.249 mW/g

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

Peak: 0.502 mW/g; Powerdrift: -0.32 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

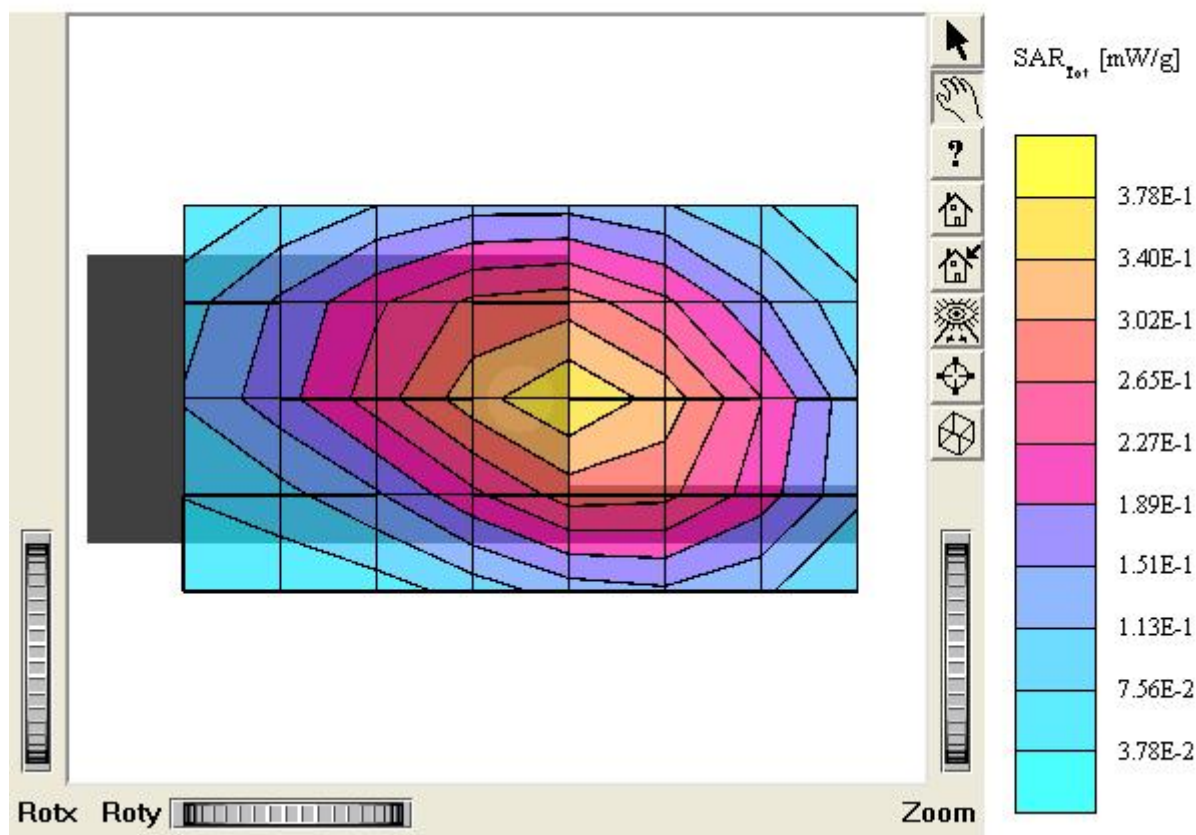
Face / Antenna: in (fixed)

Conducted Power: 1.40W (Battery Type: Bexel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.473 mW/g, SAR (10g): 0.338 mW/g

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

Peak: 0.682 mW/g; Powerdrift: -0.33 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

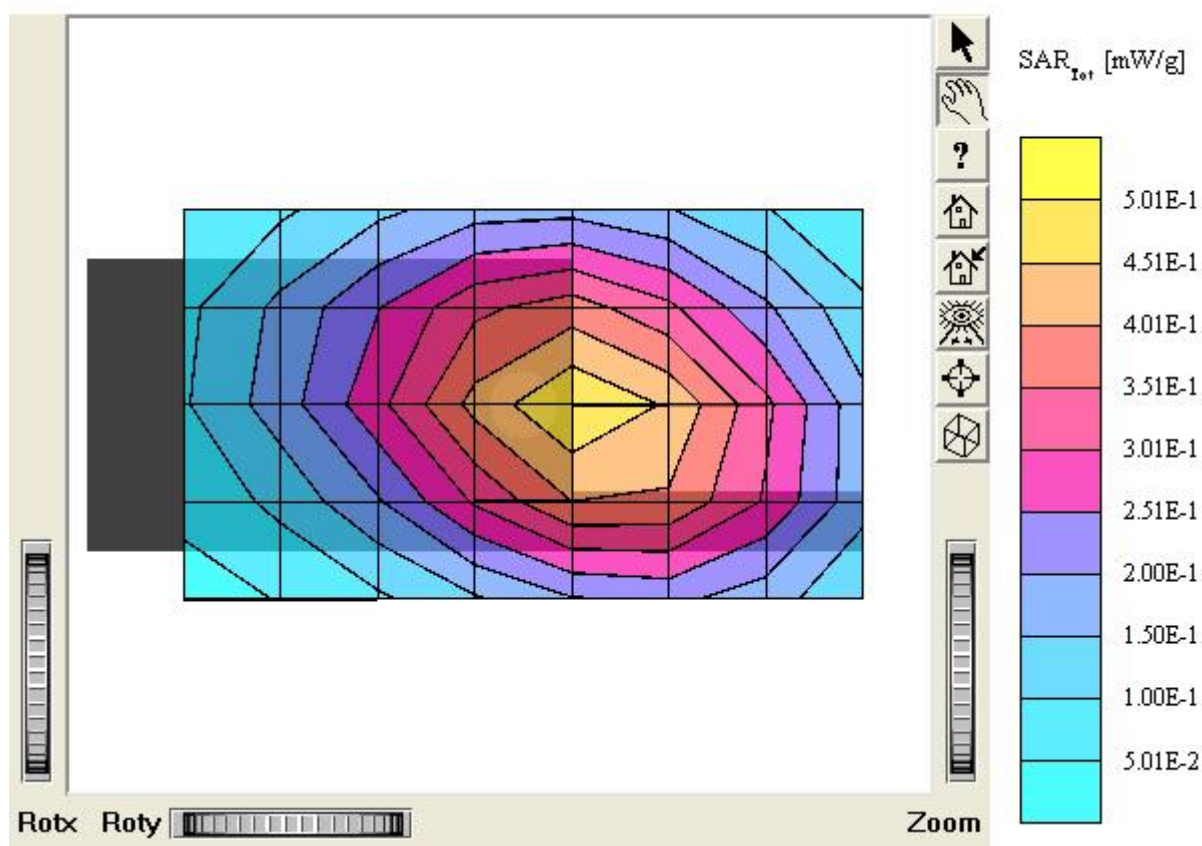
Face / Antenna: in (fixed)

Conducted Power : 1.24W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.1$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.329 mW/g, SAR (10g): 0.223 mW/g

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

Peak: 0.512 mW/g; Powerdrift: -0.04 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

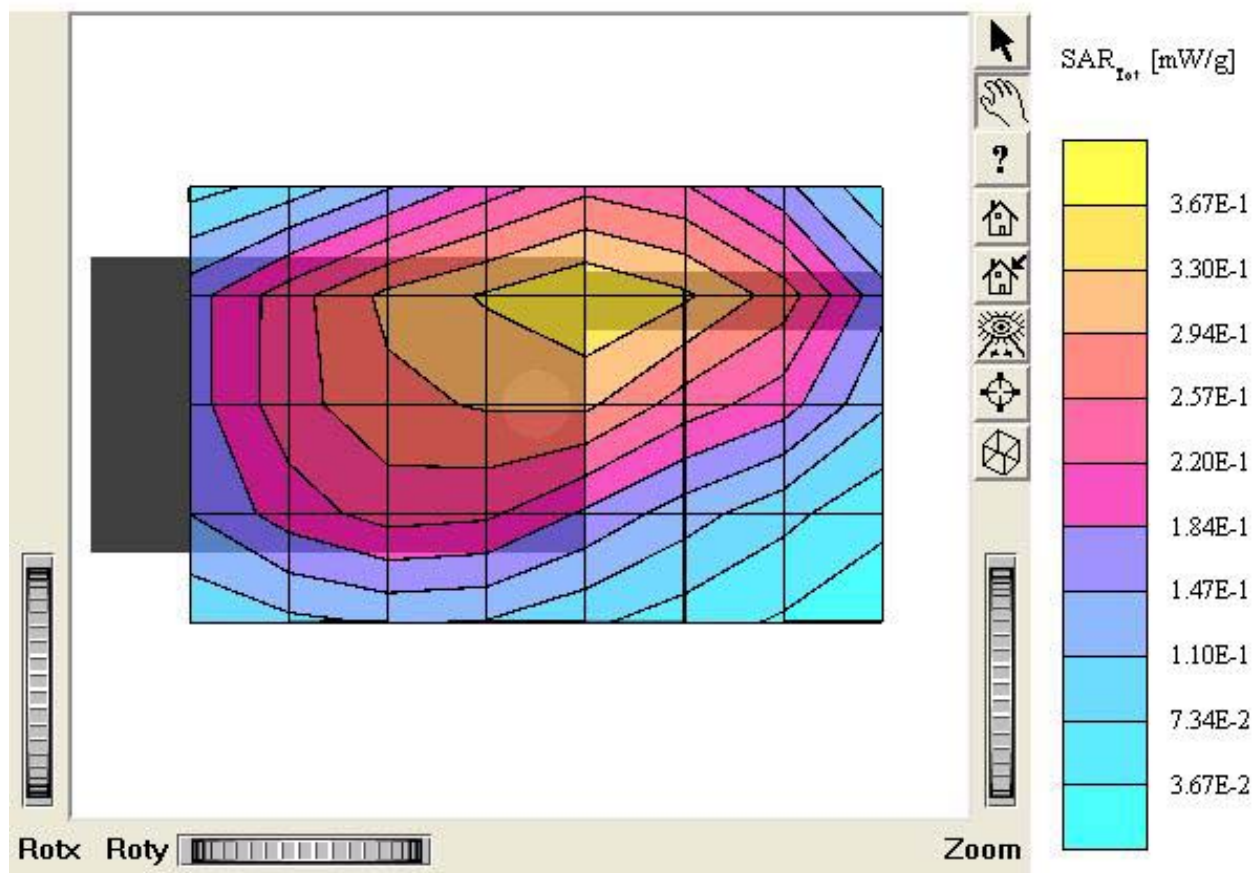
Body / Antenna: in (fixed)

Conducted Power: 1.44W (Battery Type: Rocket)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 54.1$, $\rho =$

1.00 g/cm^3

Cube 5x5x7: SAR (1g): 0.338 mW/g, SAR (10g): 0.219 mW/g

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

Peak: 0.553 mW/g; Powerdrift: -0.90 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

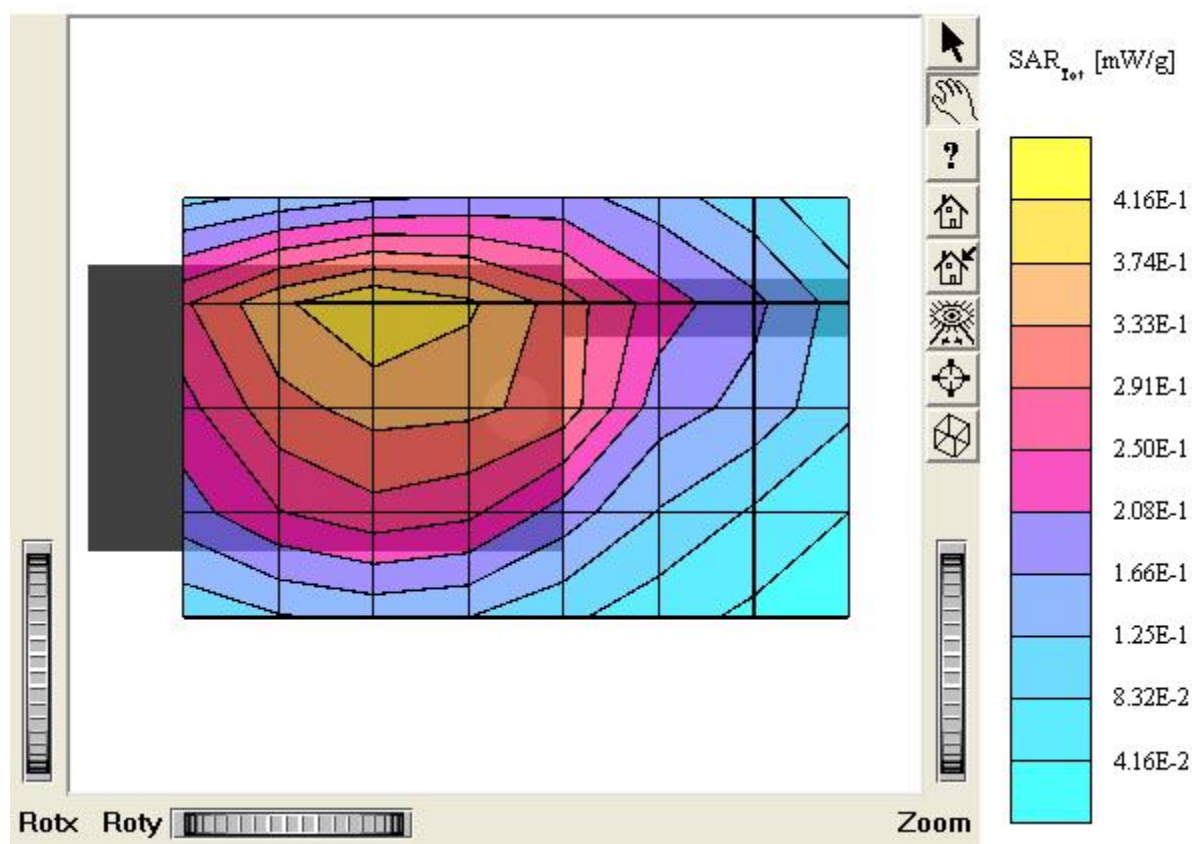
Body / Antenna: in (fixed)

Conducted Power: 1.45W (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94$ mho/m $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.373 mW/g, SAR(10g): 0.255 mW/g

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

Peak: 0.572 mW/g; Powerdrift: -0.80 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

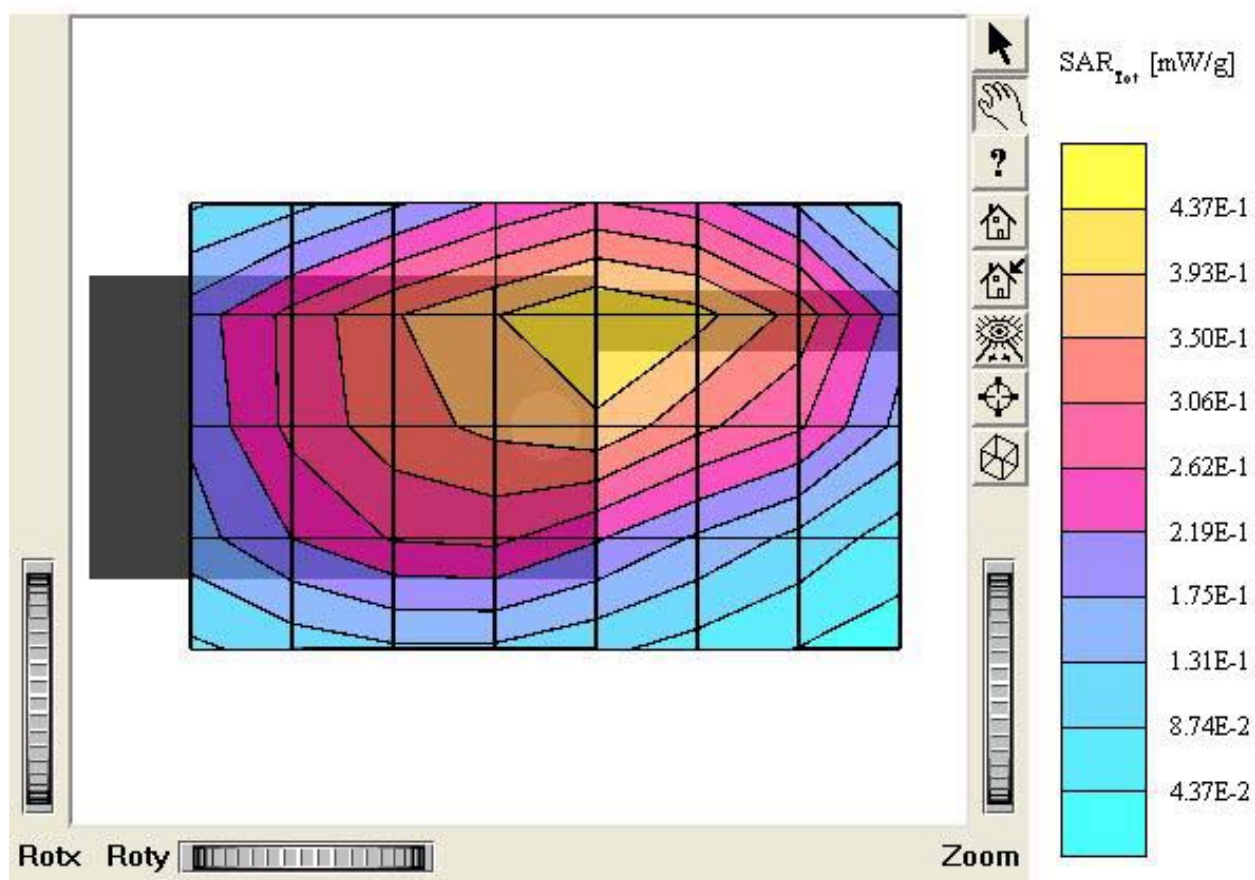
Body / Antenna: in (fixed)

Conducted Power: 1.47W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 54.1$, $\rho =$

1.00 g/cm^3

Cube 5x5x7: SAR (1g): 0.148 mW/g, SAR (10g): 0.102 mW/g

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

Peak: 0.225 mW/g; Powerdrift: 0.16 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

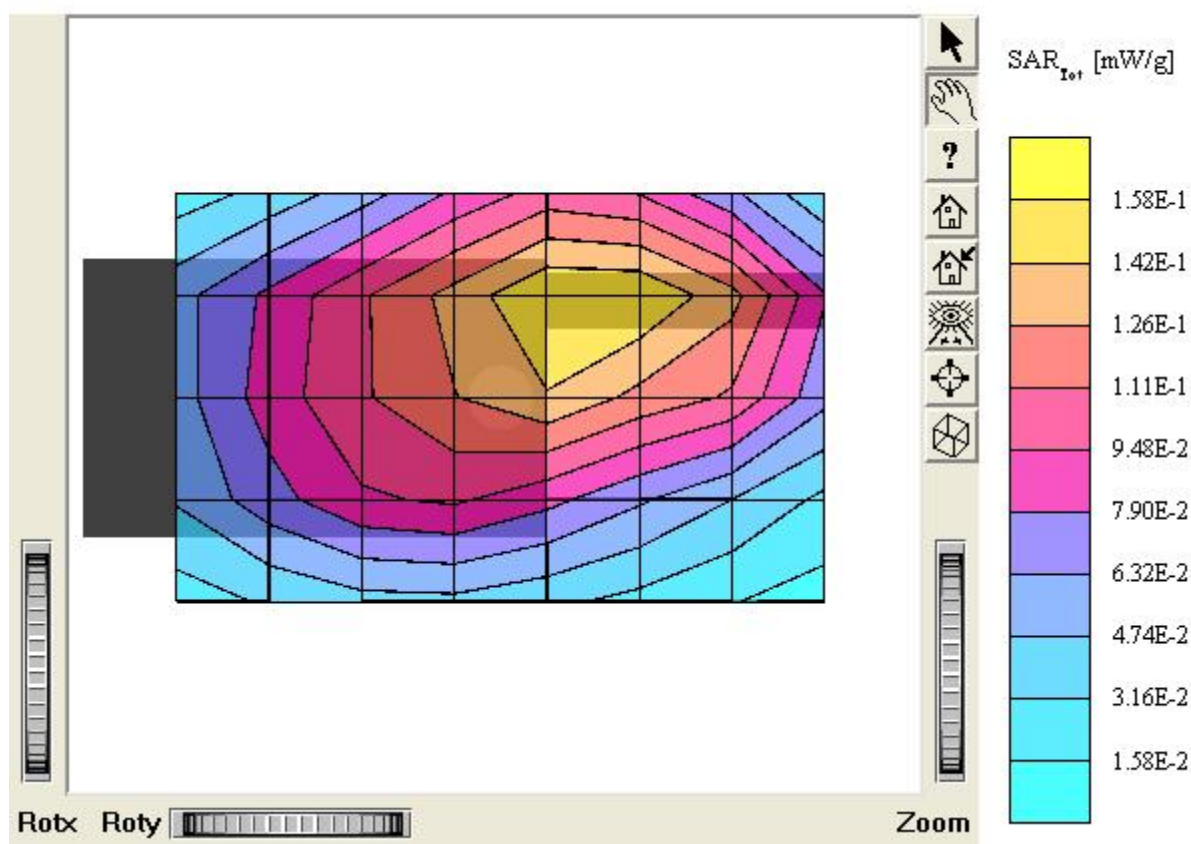
Body / Antenna: in (fixed)

Conducted Power: 0.577W (Battery Type: Rocket)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 54.1$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.250 mW/g, SAR (10g): 0.169 mW/g

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

Peak: 0.397 mW/g; Powerdrift: -0.55 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

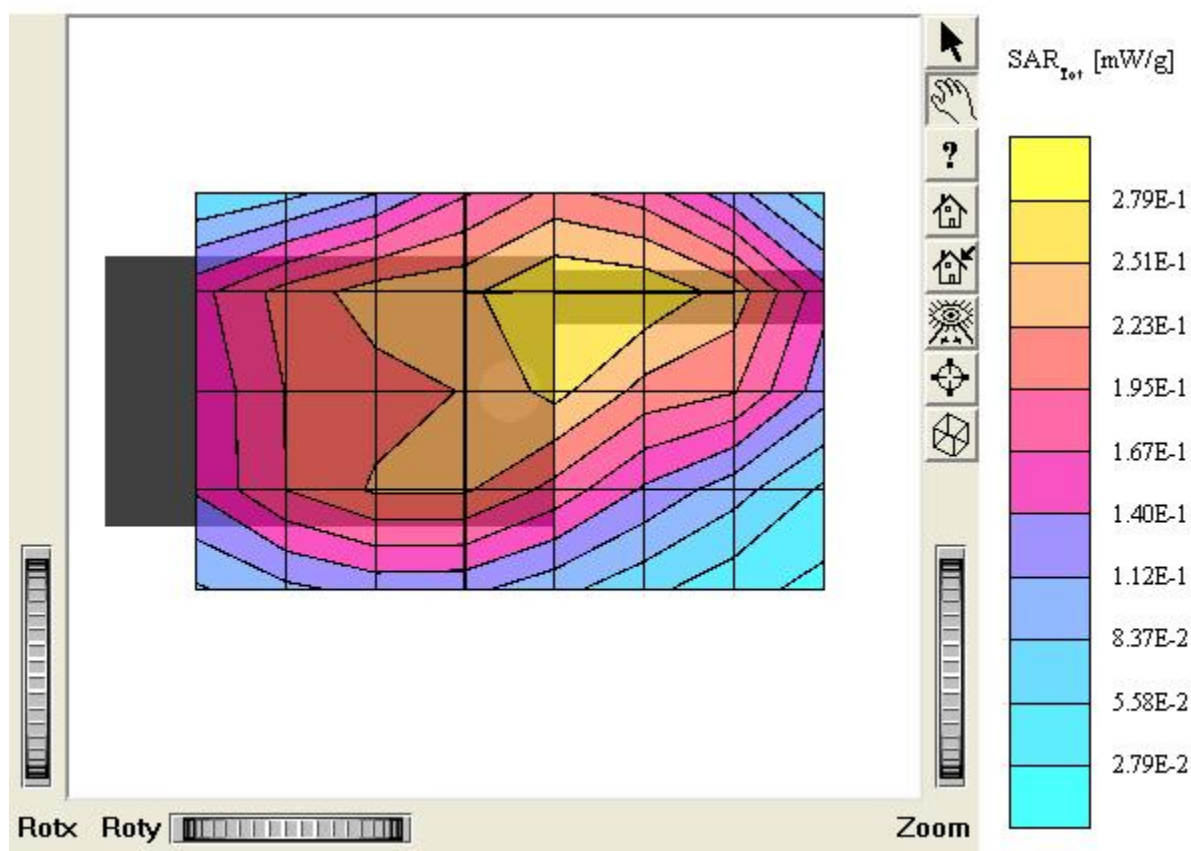
Body / Antenna: in (fixed)

Conducted Power : 1.46W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.1$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.322 mW/g, SAR (10g): 0.219 mW/g

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

Peak: 0.504 mW/g; Powerdrift: -0.58 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

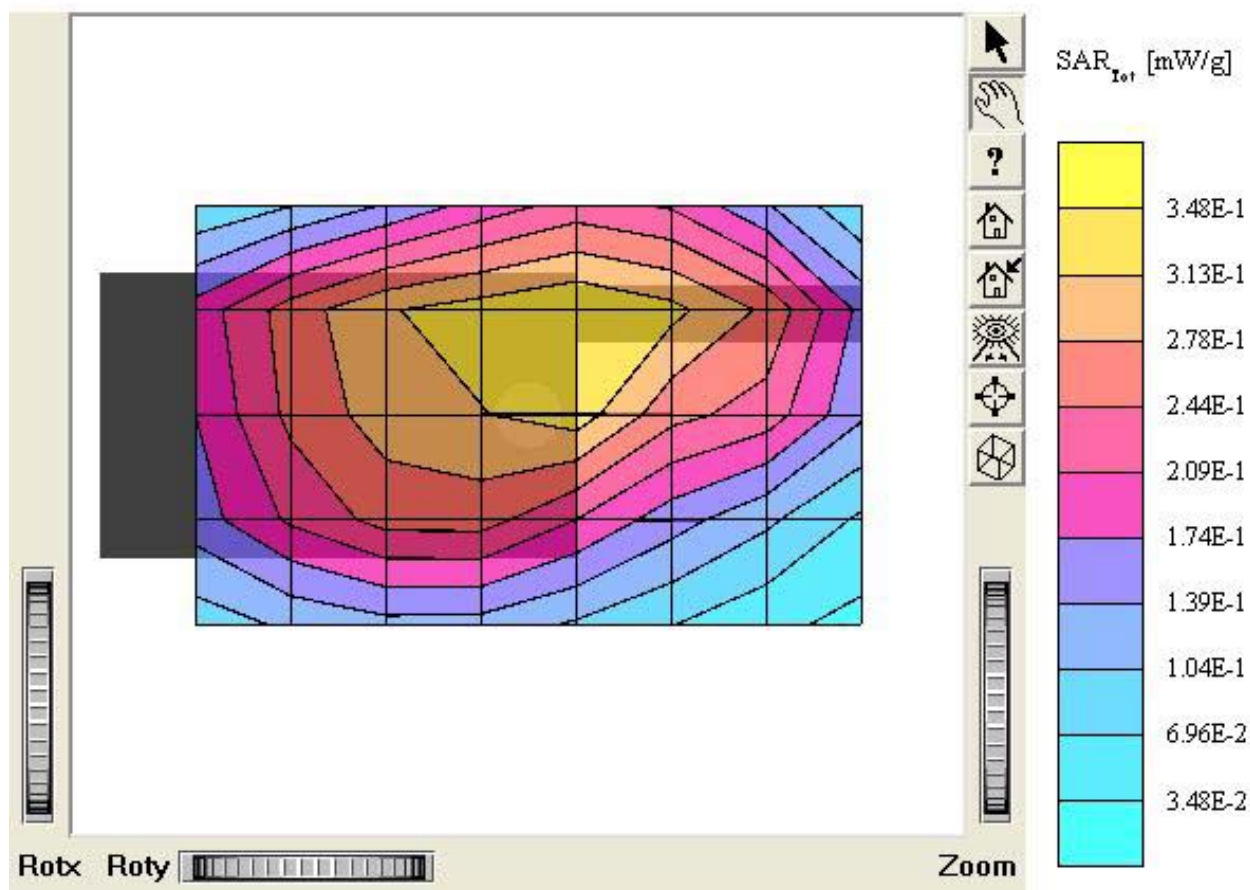
Body / Antenna: in (fixed)

Conducted Power: 1.38W (Battery Type: Bixel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 54.1$, $\rho =$

1.00 g/cm^3

Cube 5x5x7: SAR (1g): 0.441 mW/g, SAR (10g): 0.305 mW/g

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

Peak: 0.670 mW/g; Powerdrift: -0.30 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

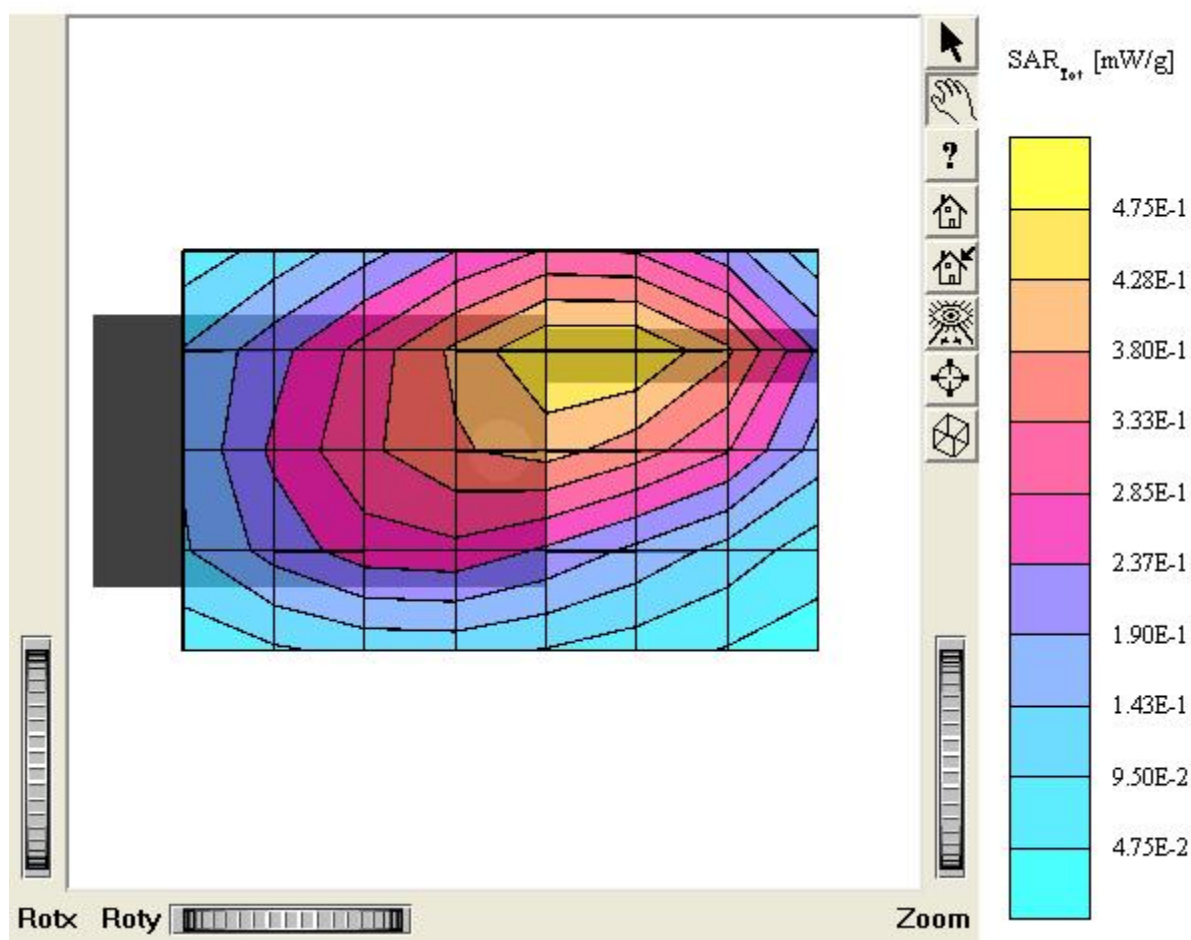
Face / Antenna: in (fixed)

Conducted Power : 1.25W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86$ mho/m $\epsilon_r = 43.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.502 mW/g, SAR(10g): 0.358 mW/g

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

Peak: 0.722 mW/g; Powerdrift: -0.13 dB

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

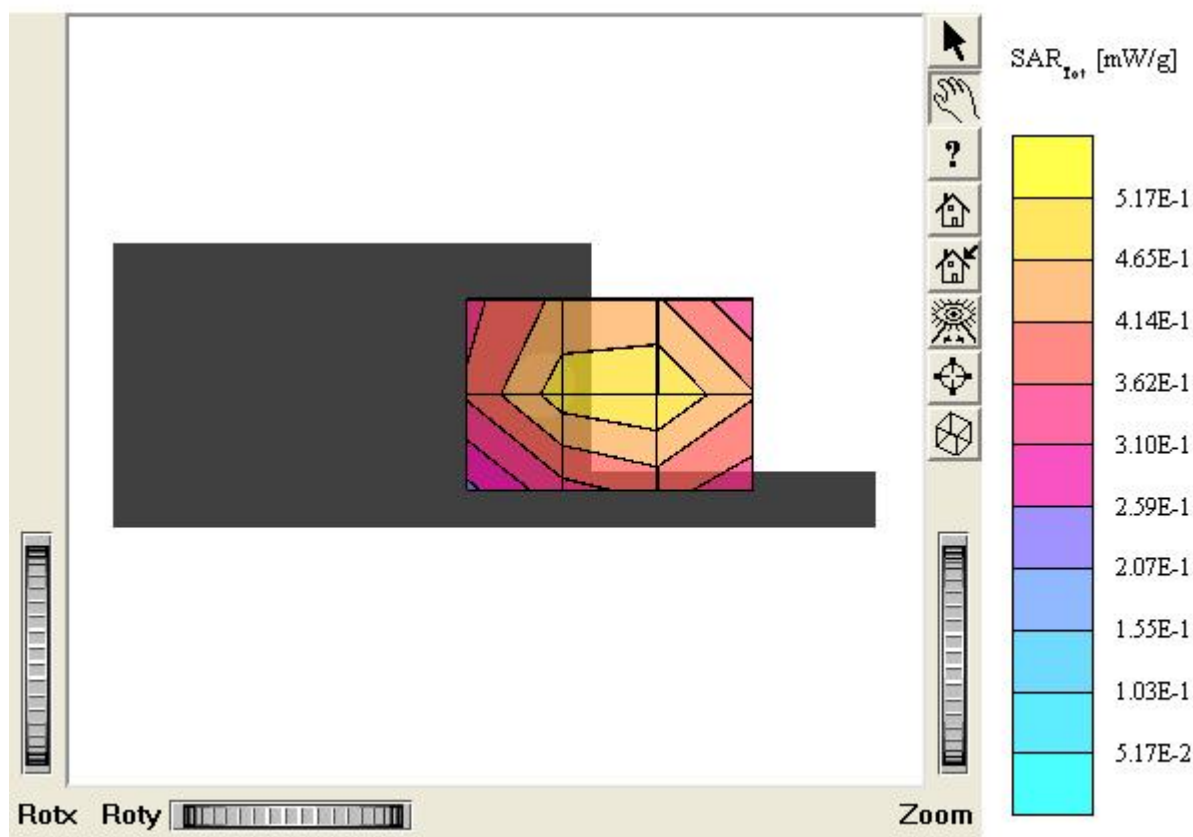
Face / Antenna: in (fixed)

Conducted Power : 1.26W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.86 \text{ mho/m}$ $\epsilon_r = 43.8$ $\rho = 1.00 \text{ g/cm}^3$

:

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

:

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

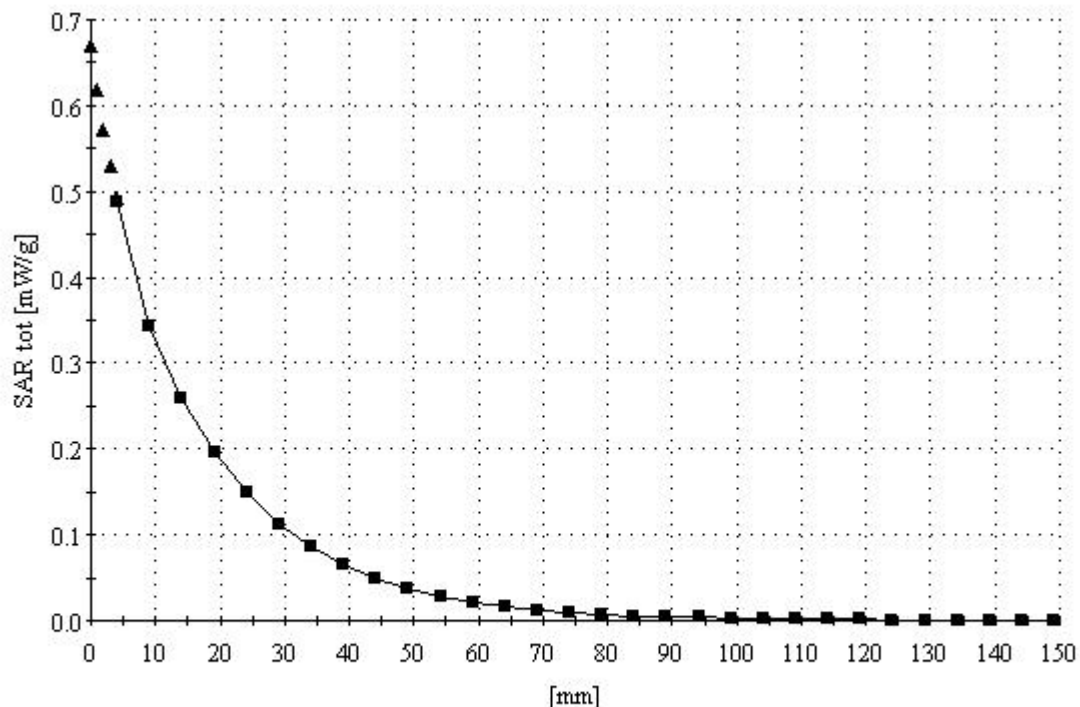
Face / Antenna: in (fixed)

Conducted Power : 1.24W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005



LXT210 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.1$ $\rho = 1.00 \text{ g/cm}^3$

:

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

:

Comment :

FCC ID : MMALXT210

Company : Midland Radio Corporation.

Face / Antenna: in (fixed)

Conducted Power : 1.25W (Battery Type: POWTEK)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.8 °C

Date Tested : March 11, 2005

