

APPENDIX A – SAR TEST PLOTS

BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.326 mW/g, SAR (10g): 0.229 mW/g

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

Peak: 0.479 mW/g; Powerdrift: -0.55 dB

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

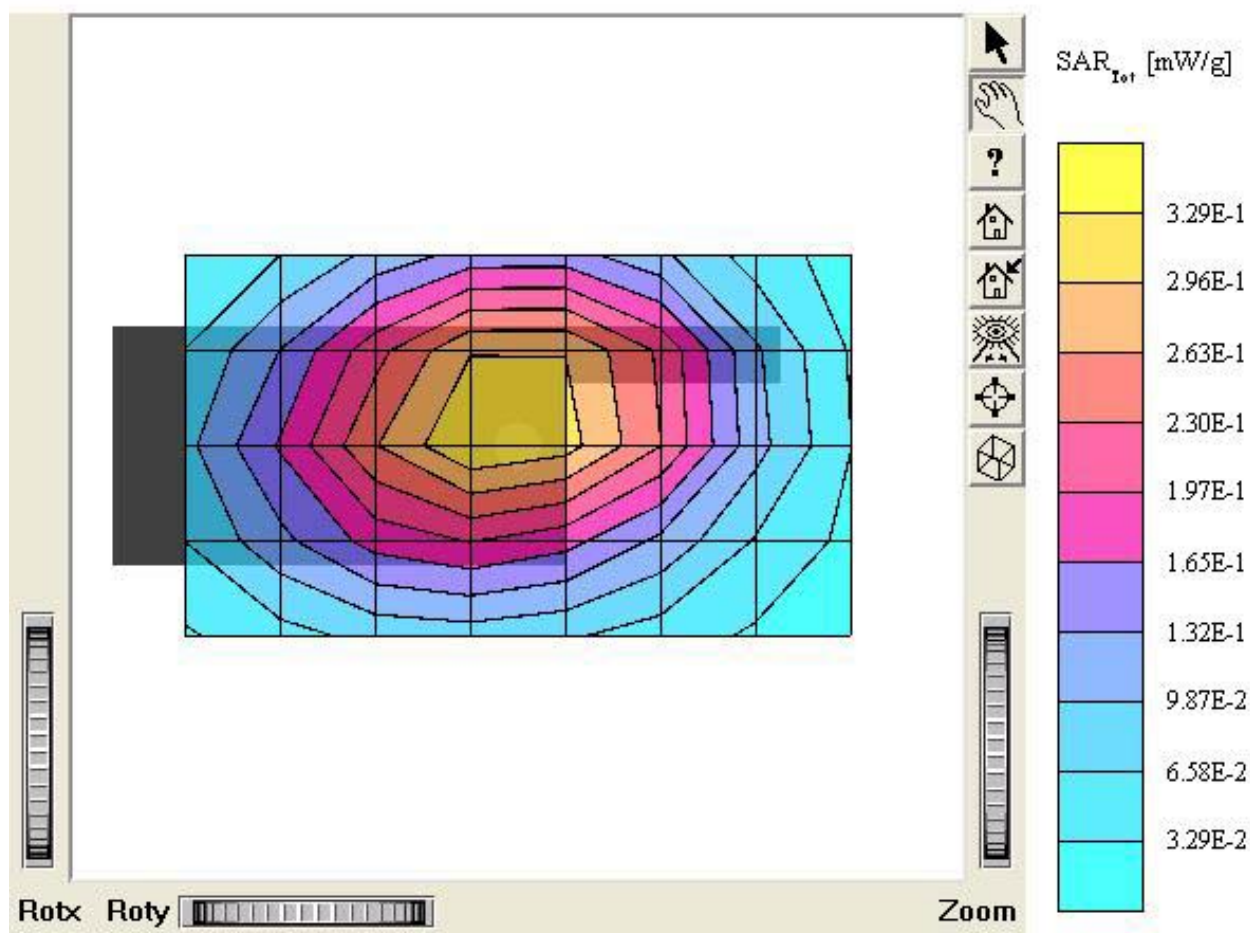
Face / Antenna: in (fixed)

Conducted Power : 494mW (Battery Type: Bexcel)

Mode: FM GMRS Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 44.3$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.334 mW/g, SAR (10g): 0.235 mW/g

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

Peak: 0.490 mW/g; Powerdrift: -0.37 dB

Comment :

FCC ID : OVVB5004

Company : Bonso Electronics Ltd.

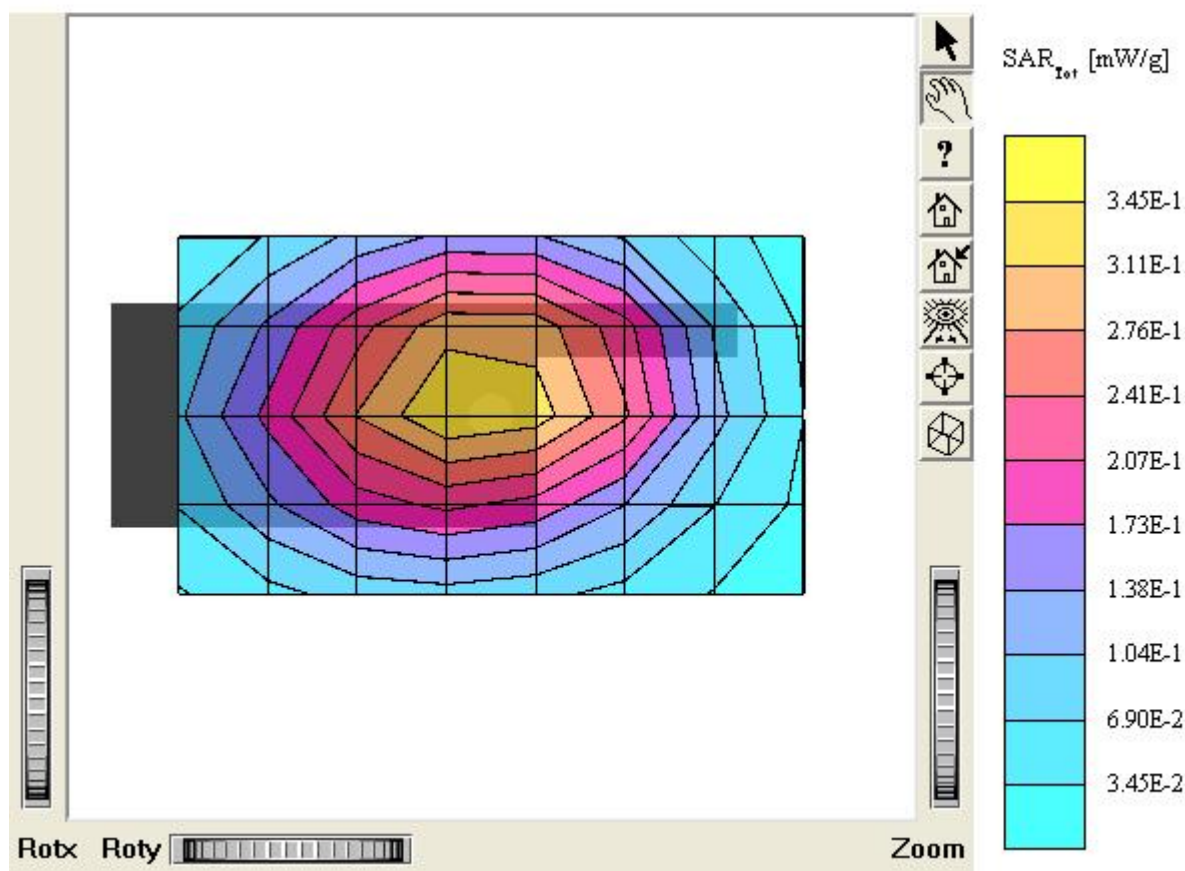
Face / Antenna: in (fixed)

Conducted Power: 493mW (Battery Type: Bexcel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$, $\epsilon_r = 44.3$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.333 mW/g, SAR (10g): 0.235 mW/g

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

Peak: 0.488 mW/g; Powerdrift: -0.36 dB

Comment :

FCC ID : OVVB004

Company : Bonso Electronics Ltd.

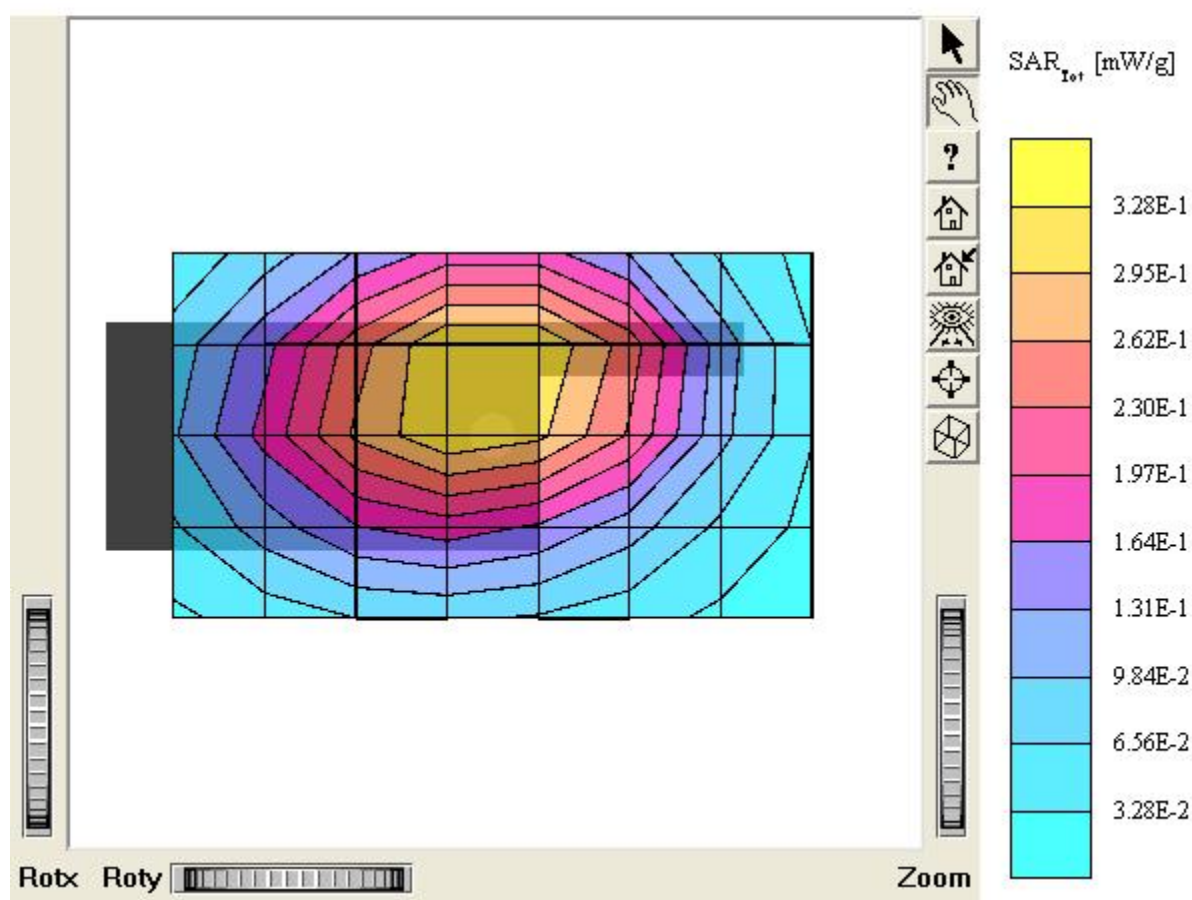
Face / Antenna: in (fixed)

Conducted Power: 491mW (Battery Type: Bexcel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.325 mW/g, SAR(10g): 0.229 mW/g

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

Peak: 0.479 mW/g; Powerdrift: -0.31 dB

Comment :

FCC ID : OVVB004

Company : Bonso Electronics Ltd.

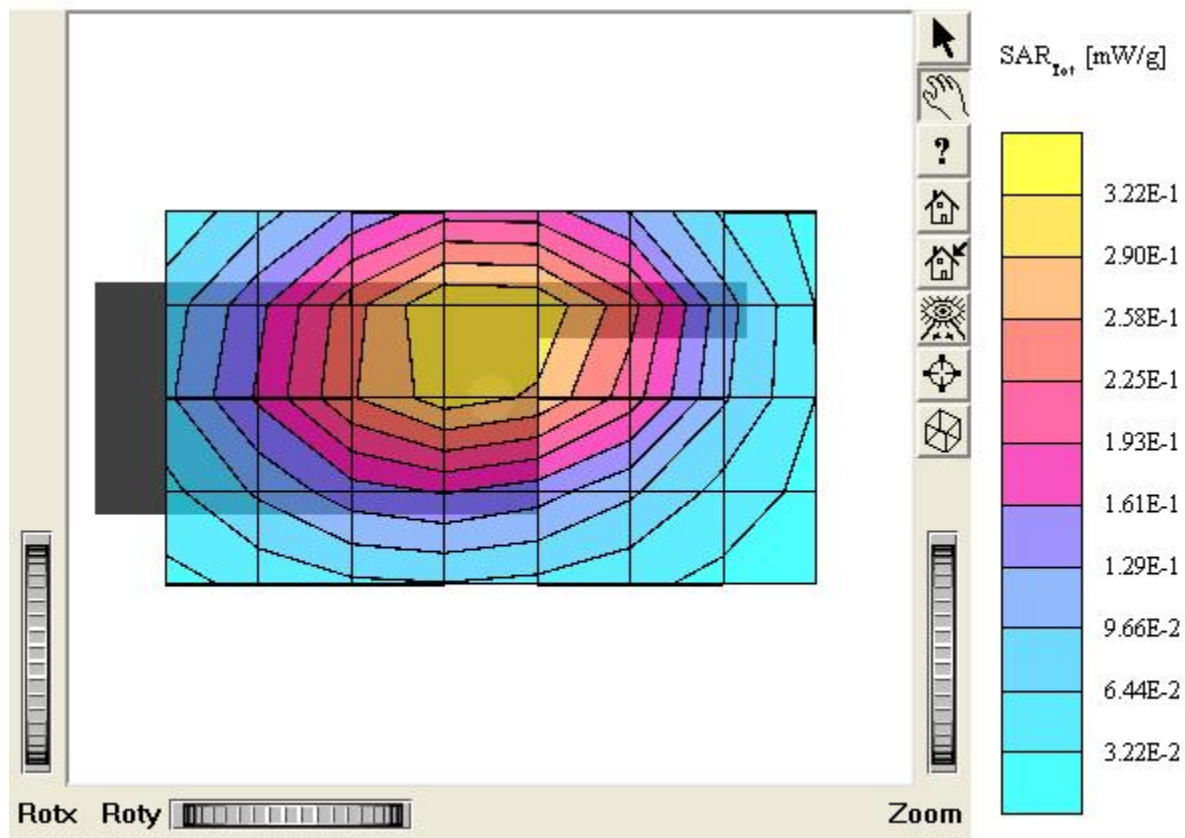
Face / Antenna: in (fixed)

Conducted Power: 491mW (Battery Type: Bexcel)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho =$ 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.329 mW/g, SAR (10g): 0.232 mW/g

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

Peak: 0.482 mW/g; Powerdrift: -0.38 dB

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

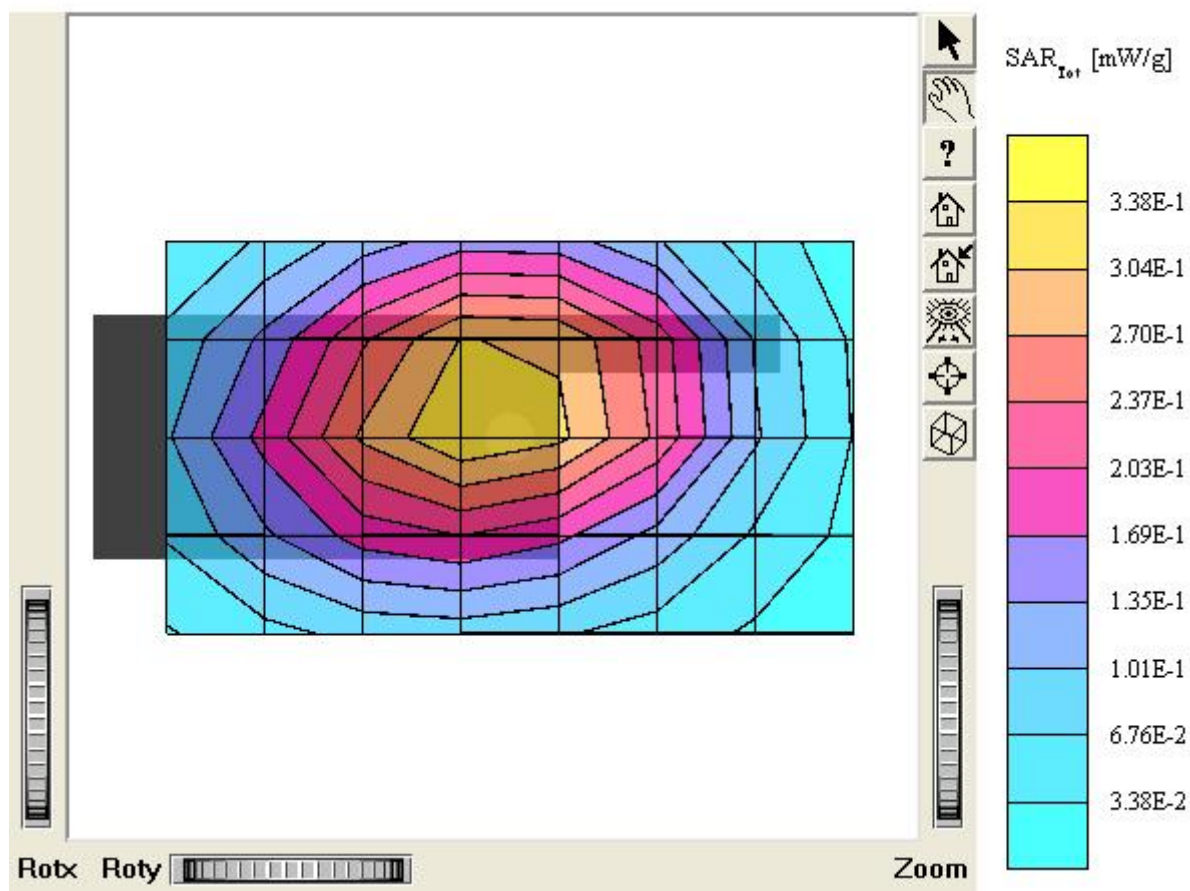
Face / Antenna: in (fixed)

Conducted Power: 490mW (Battery Type: Rocket)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.330 mW/g, SAR (10g): 0.233 mW/g

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

Peak: 0.481 mW/g; Powerdrift: -0.35 dB

Comment :

FCC ID : OVVB004

Company : Bonso Electronics Ltd.

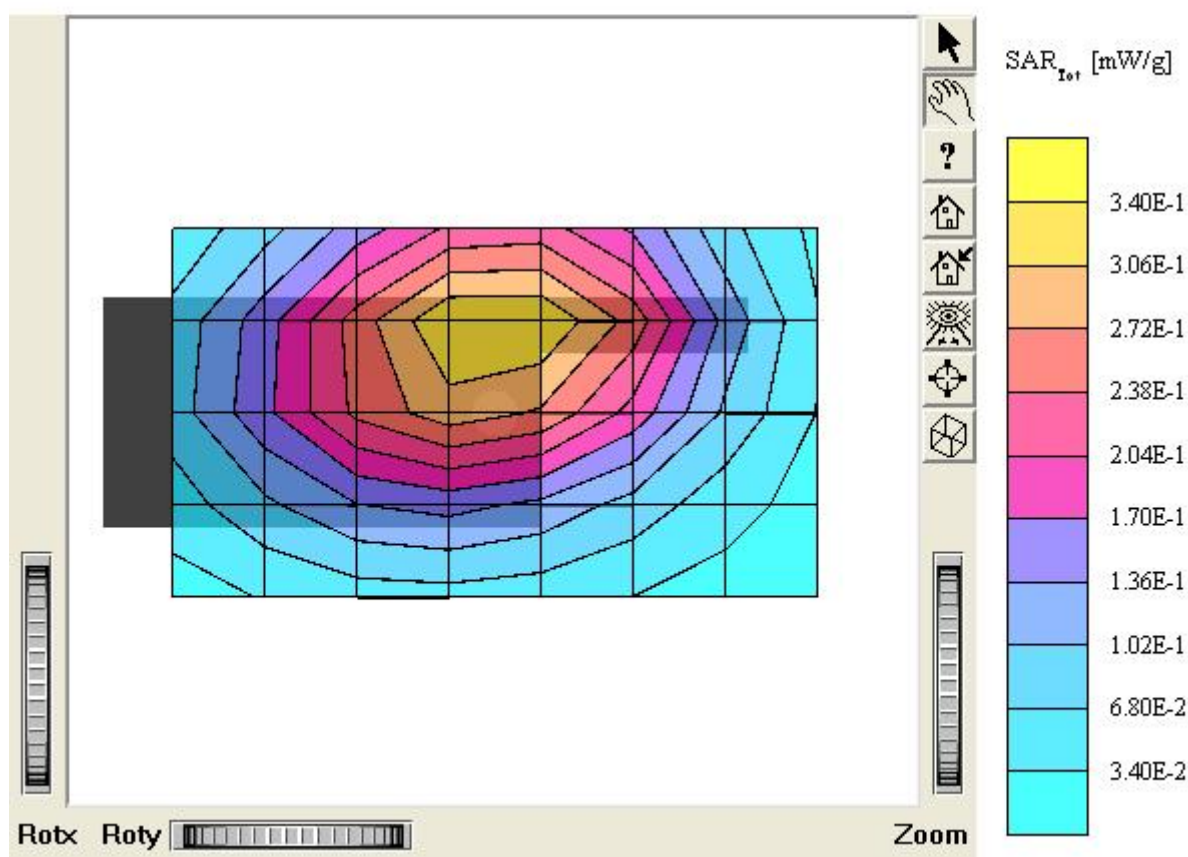
Face / Antenna: in (fixed)

Conducted Power: 489mW (Battery Type: Energizer)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.315 mW/g, SAR (10g): 0.223 mW/g

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

Peak: 0.461 mW/g; Powerdrift: -0.12 dB

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

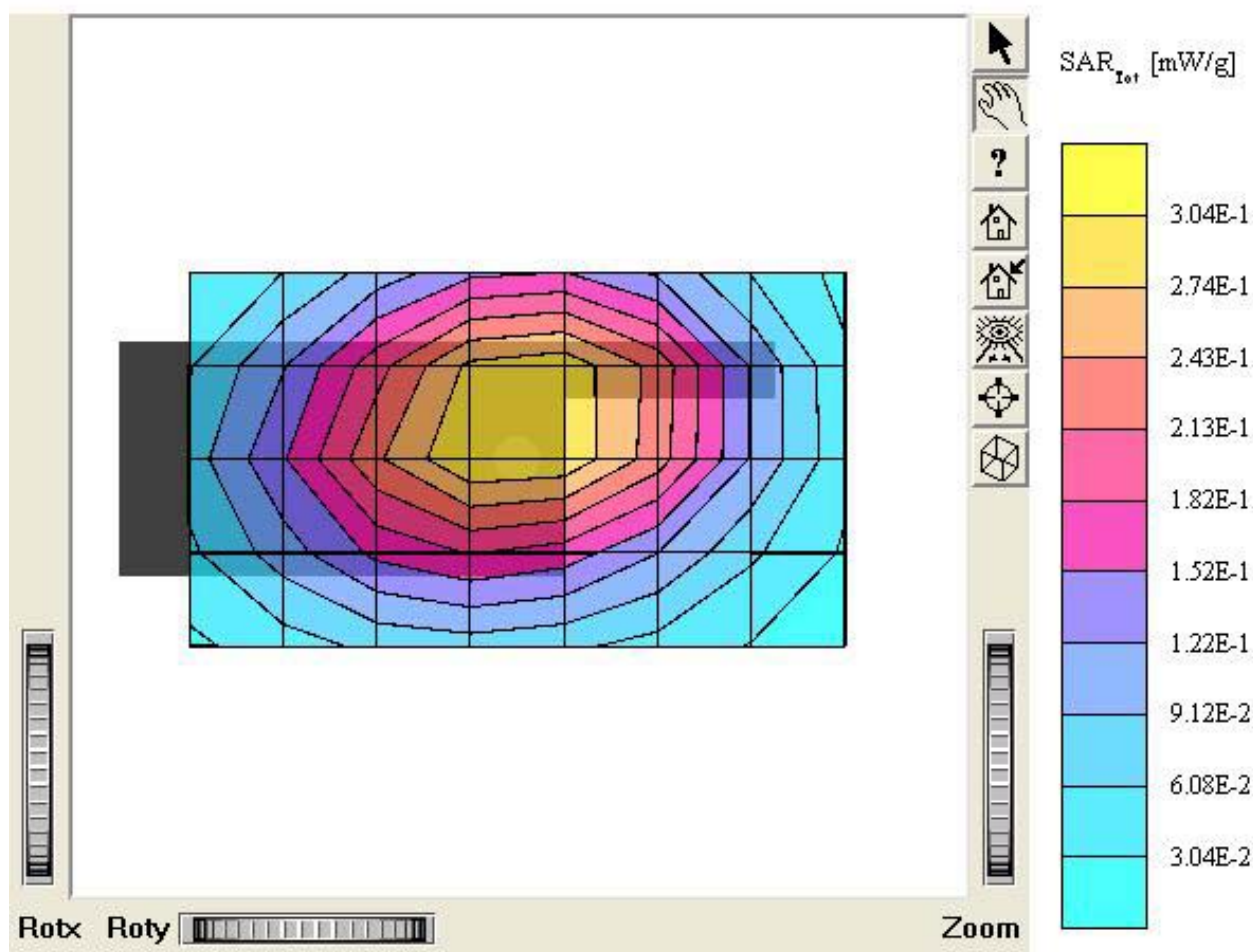
Face / Antenna: in (fixed)

Conducted Power: 421mW (Battery Type: Charging Battery)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.284 mW/g, SAR (10g): 0.199 mW/g

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

Peak: 0.416 mW/g; Powerdrift: -0.44 dB

Comment :

FCC ID : OVVB5004

Company : Bonso Electronics Ltd.

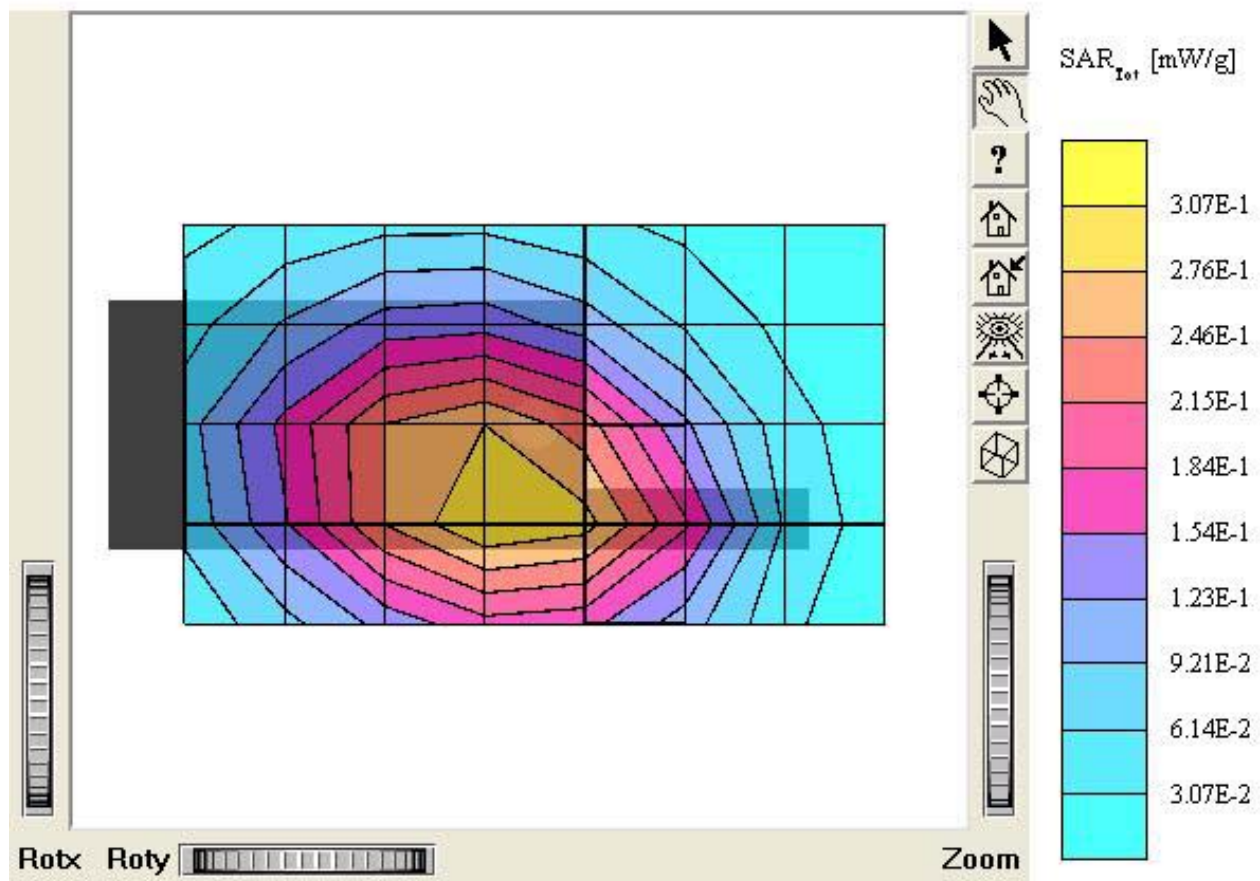
Body / Antenna: in (fixed)

Conducted Power : 492mW (Battery Type: Bexcel)

Mode: FM GMR5 Channel: 1 (462.5625 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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 $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.290 mW/g, SAR (10g): 0.204 mW/g

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

Peak: 0.425 mW/g; Powerdrift: -0.42 dB

Comment :

FCC ID : OVVB004

Company : Bonso Electronics Ltd.

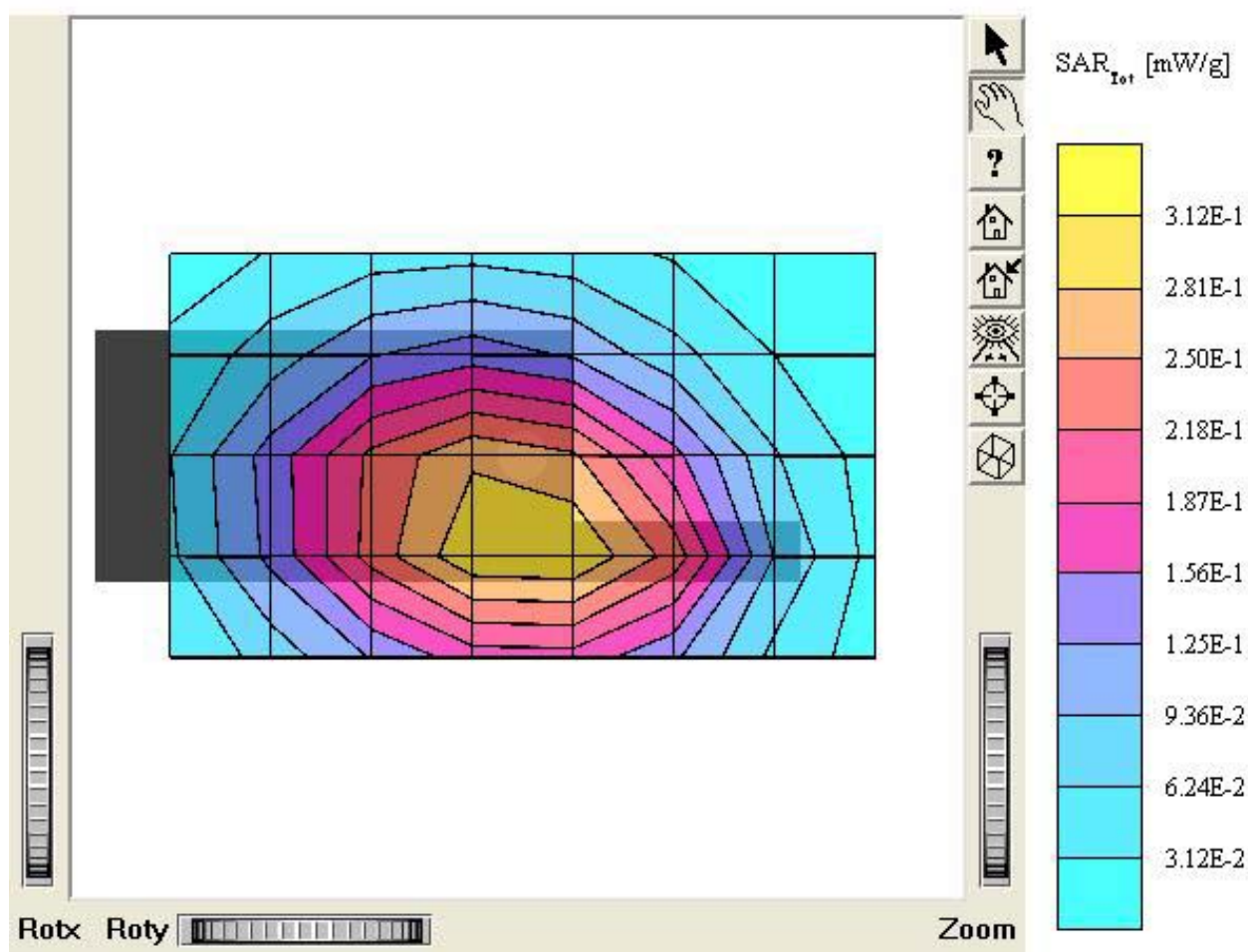
Body / Antenna: in (fixed)

Conducted Power: 494W (Battery Type: Bexcel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.293 mW/g, SAR (10g): 0.206 mW/g

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

Peak: 0.429 mW/g; Powerdrift: -0.41 dB

Comment :

FCC ID : OVVB5004

Company : Bonso Electronics Ltd.

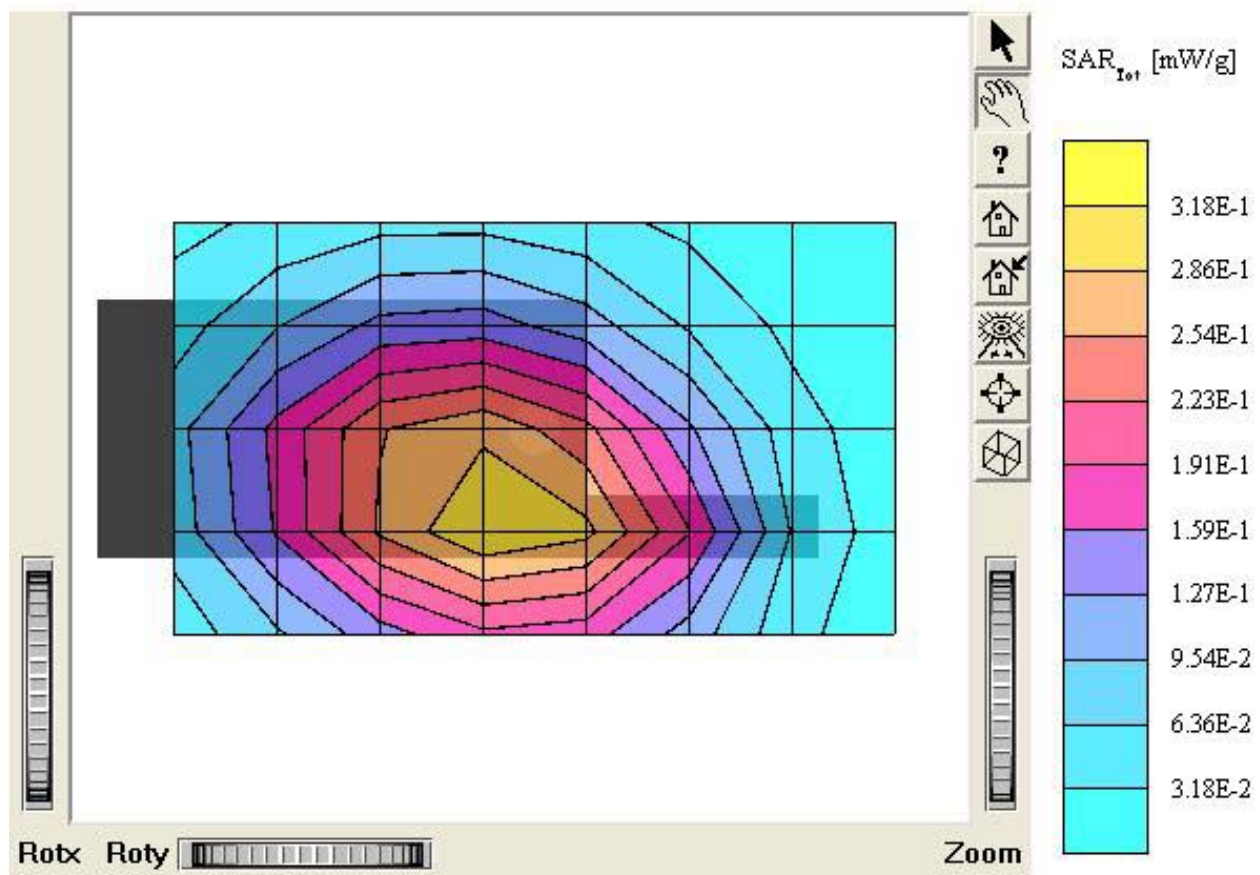
Body / Antenna: in (fixed)

Conducted Power: 493W (Battery Type: Bexcel)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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 $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.211 mW/g, SAR(10g): 0.148 mW/g

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

Peak: 0.309 mW/g; Powerdrift: -0.08 dB

Comment :

FCC ID : OVVB5004

Company : Bonso Electronics Ltd.

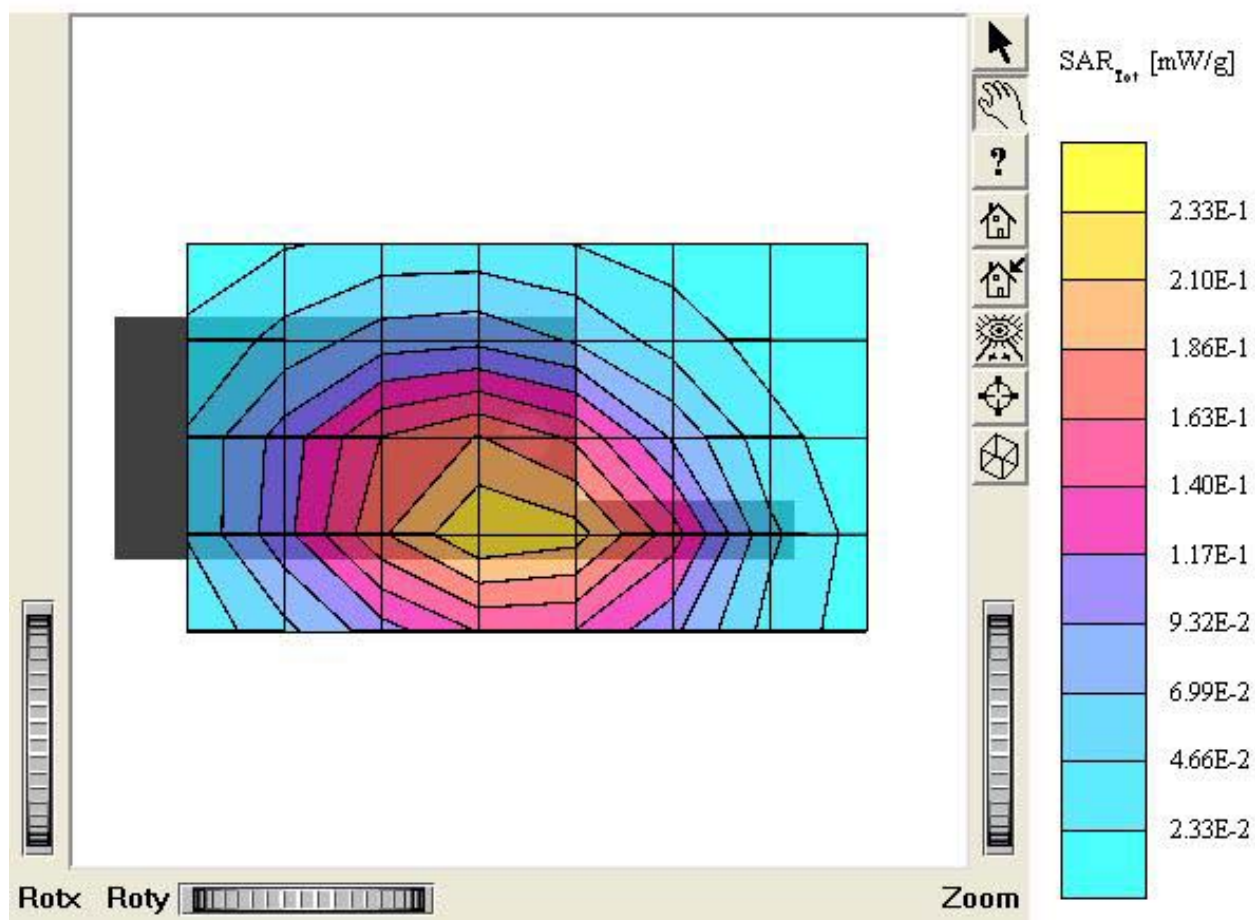
Body / Antenna: in (fixed)

Conducted Power: 491W (Battery Type: Bexcel)

Mode: FM GMRS Channel: 8 (467.5625 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 54.2$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.296 mW/g, SAR (10g): 0.208 mW/g

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

Peak: 0.433 mW/g; Powerdrift: -0.44 dB

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

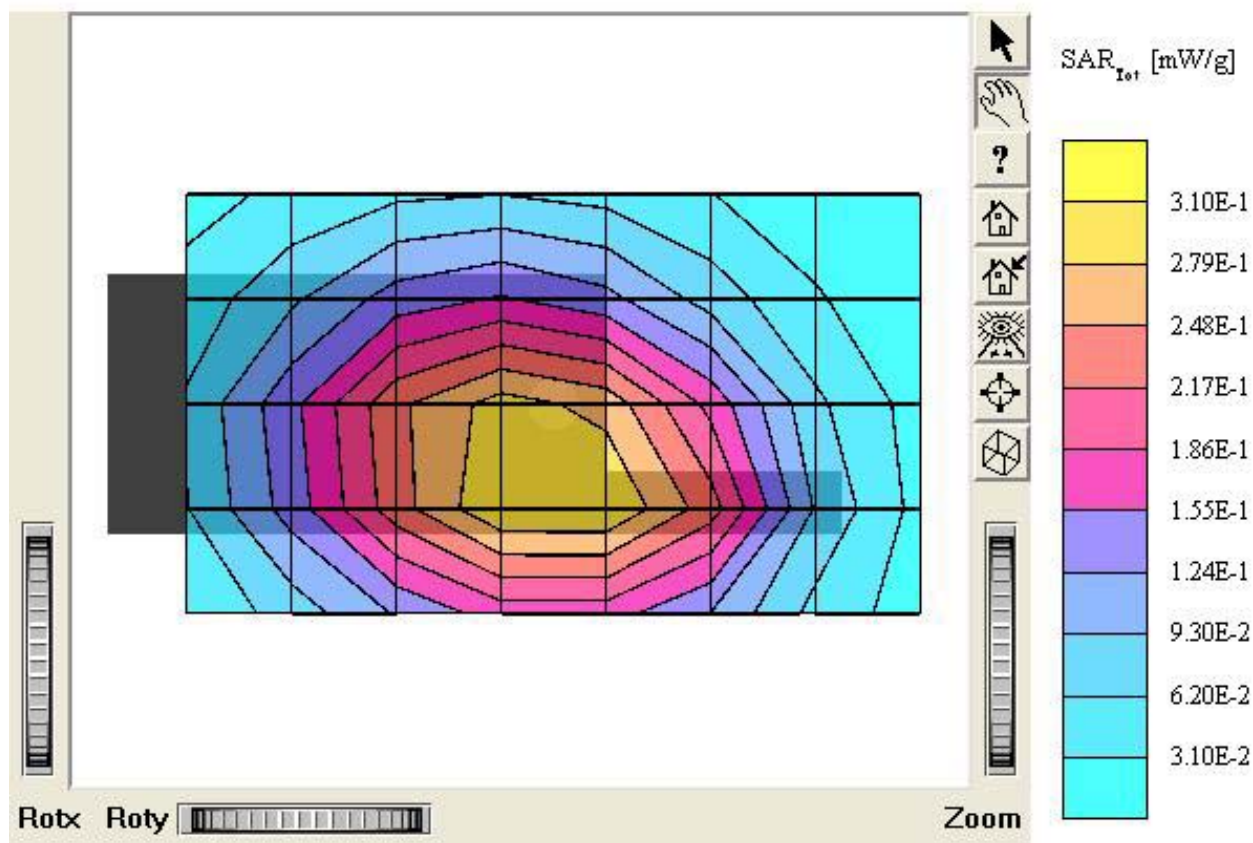
Body / Antenna: in (fixed)

Conducted Power: 488W (Battery Type: Rocket)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 54.2$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.298 mW/g, SAR (10g): 0.209 mW/g

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

Peak: 0.435 mW/g; Powerdrift: -0.37 dB

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

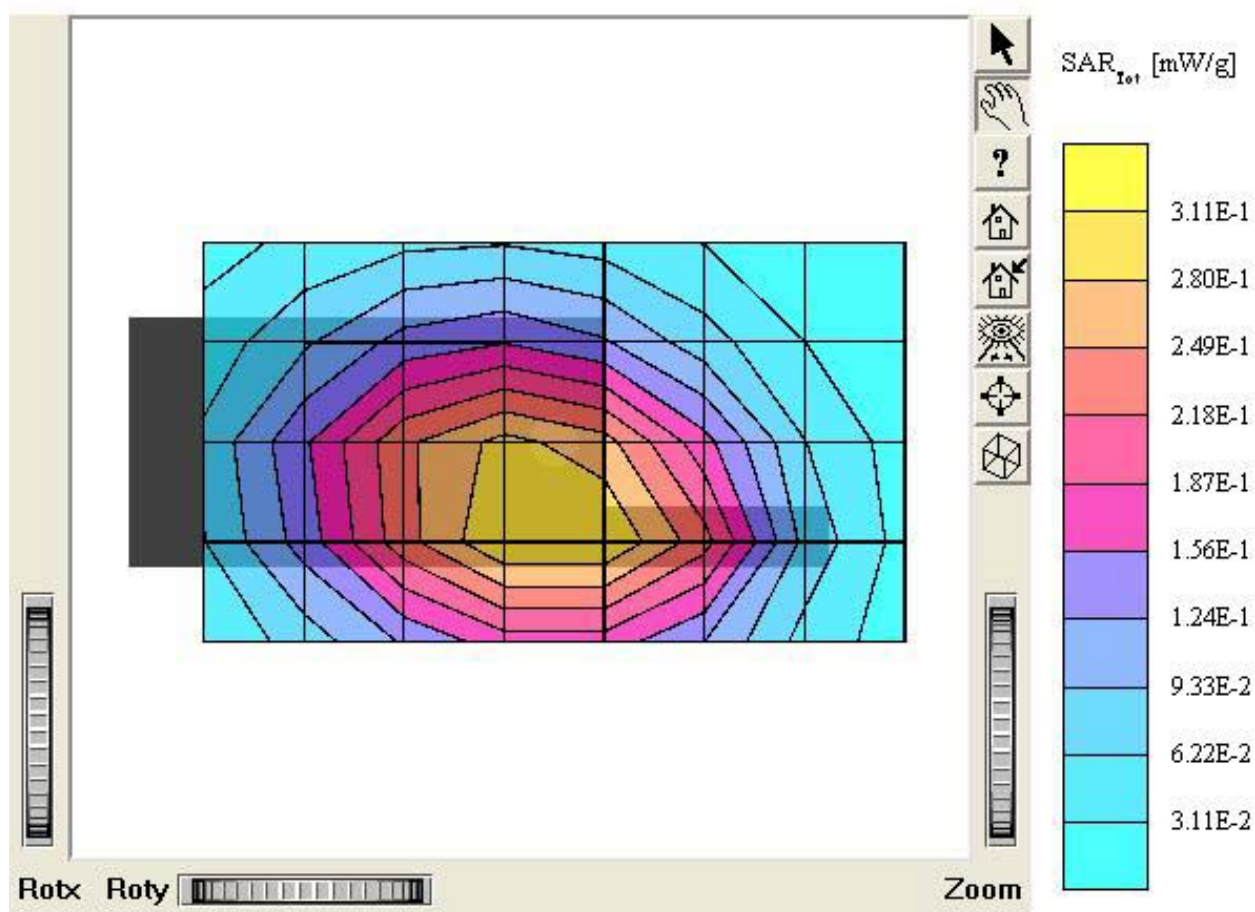
Body / Antenna: in (fixed)

Conducted Power: 489W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.2$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.288 mW/g, SAR (10g): 0.202 mW/g

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

Peak: 0.421 mW/g; Powerdrift: -0.08 dB

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

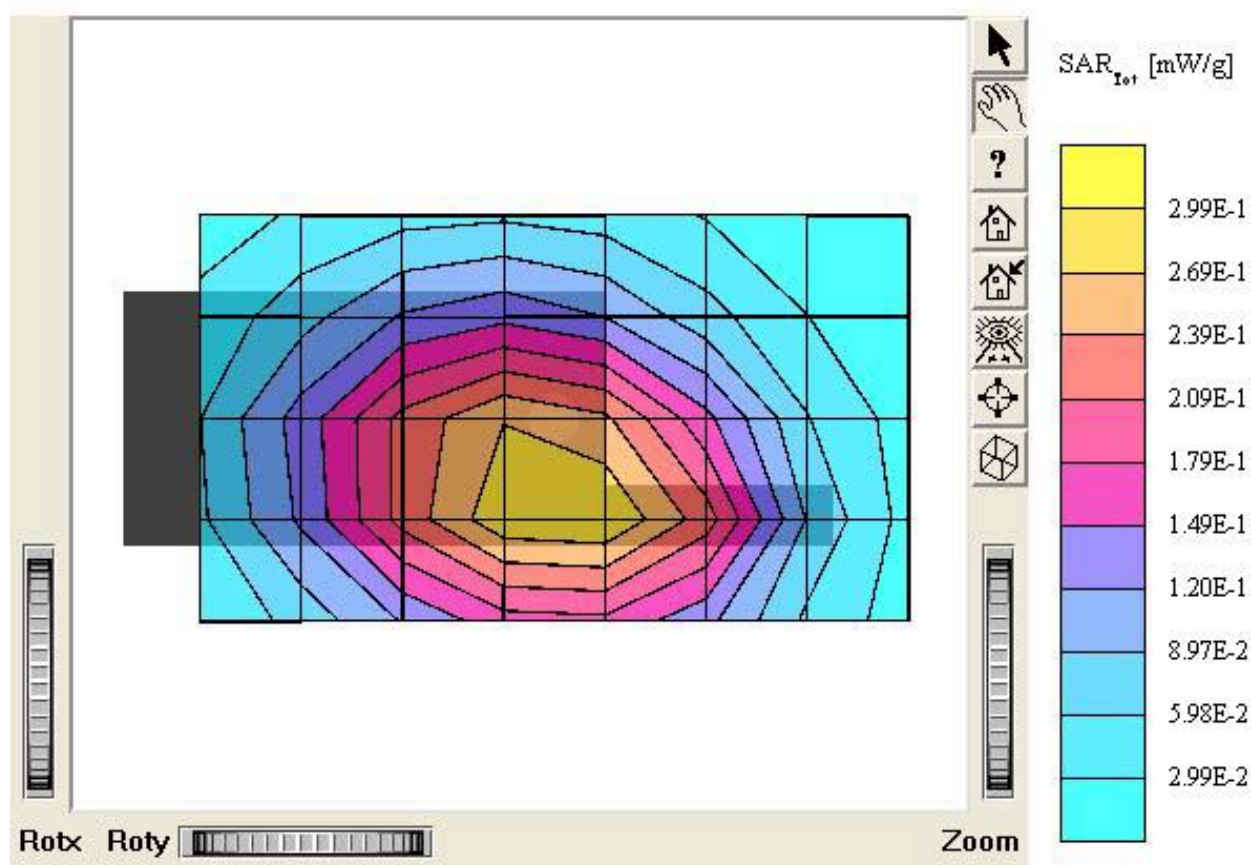
Body / Antenna: in (fixed)

Conducted Power: 419mW (Battery Type: Charging Battery)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.382 mW/g, SAR (10g): 0.269 mW/g

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

Peak: 0.560 mW/g; Powerdrift: -0.31 dB

Comment :

FCC ID : OVVB004

Company : Bonso Electronics Ltd.

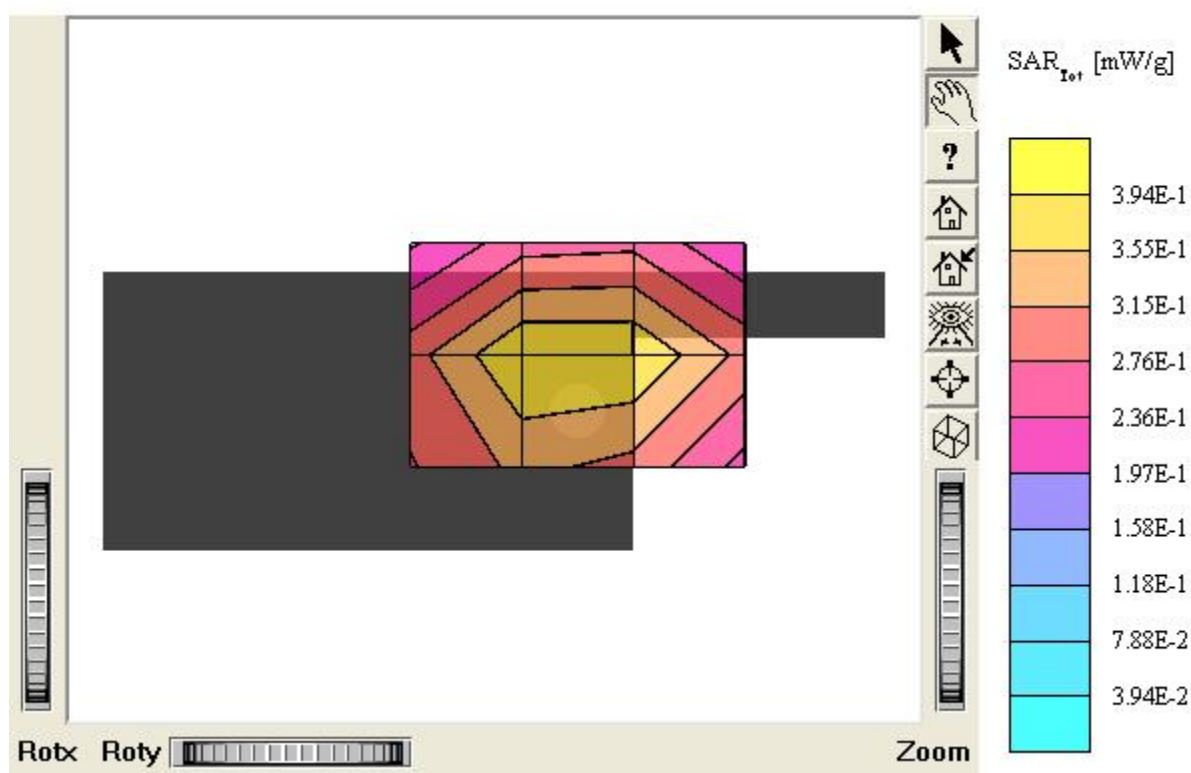
Body / Antenna: in (fixed)

Conducted Power: 493mW (Battery Type: Bexcel)

Mode: FM GMRS Channel: 15 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (Head)

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

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$, $\epsilon_r = 44.3$, $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: $D_x = 0.0$, $D_y = 0.0$, $D_z = 5.0$

:

Comment :

FCC ID : OVVB004

Company : Bonso Electronics Ltd.

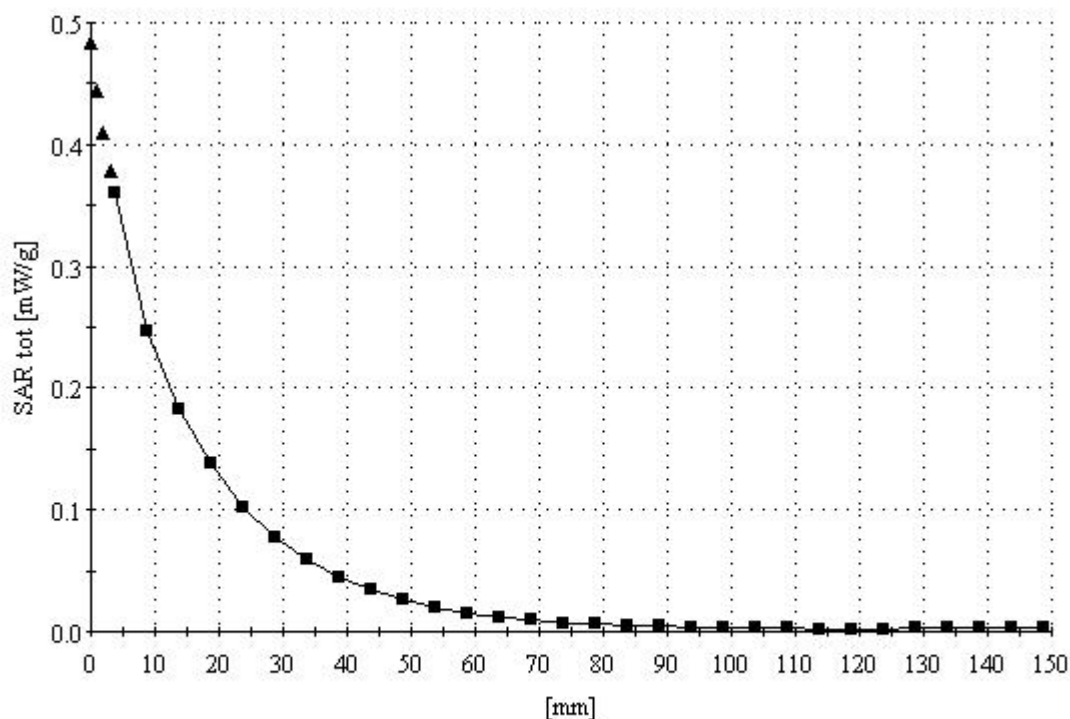
Face / Antenna: in (fixed)

Conducted Power: 493mW (Battery Type: Bexcel)

Mode: FM GMRS Channel: 15 (462.5500 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



BS004 (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: $\sigma = 0.94 \text{ mho/m}$ $\epsilon_r = 54.2$ $\rho = 1.00 \text{ g/cm}^3$

:

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

:

Comment :

FCC ID : OVVBS004

Company : Bonso Electronics Ltd.

Body / Antenna: in (fixed)

Conducted Power: 489W (Battery Type: Energizer)

Mode: FM GMRS Channel: 22 (462.7250 MHz)

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005

