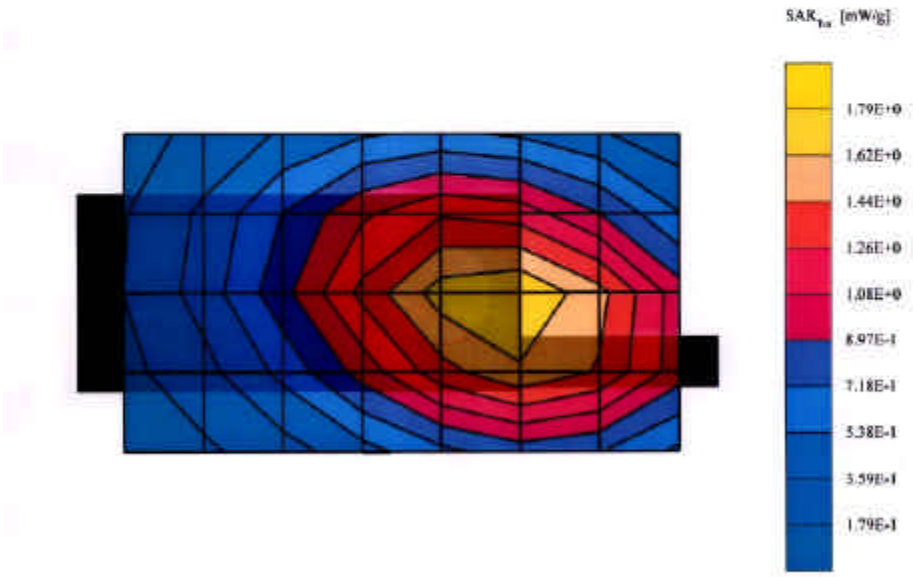
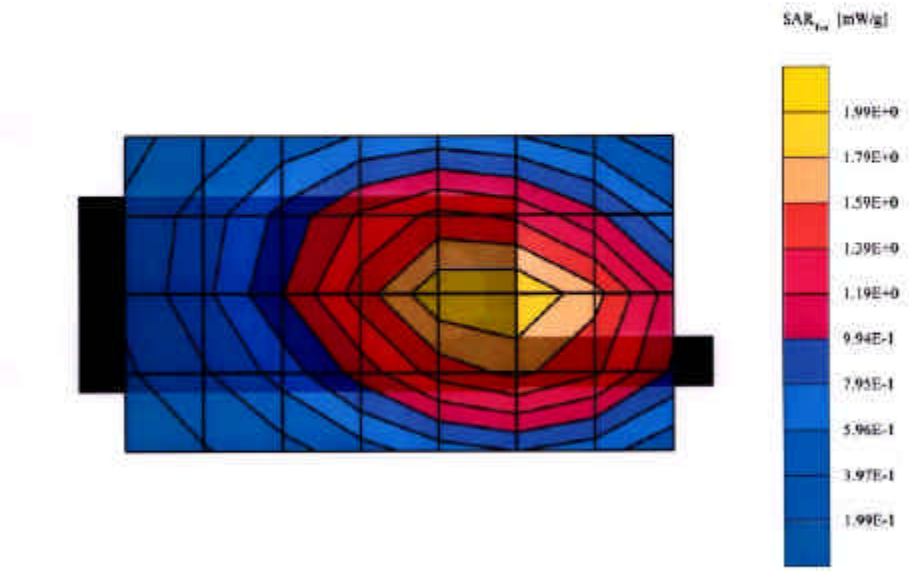
APPENDIX A – SAR TEST PLOTS

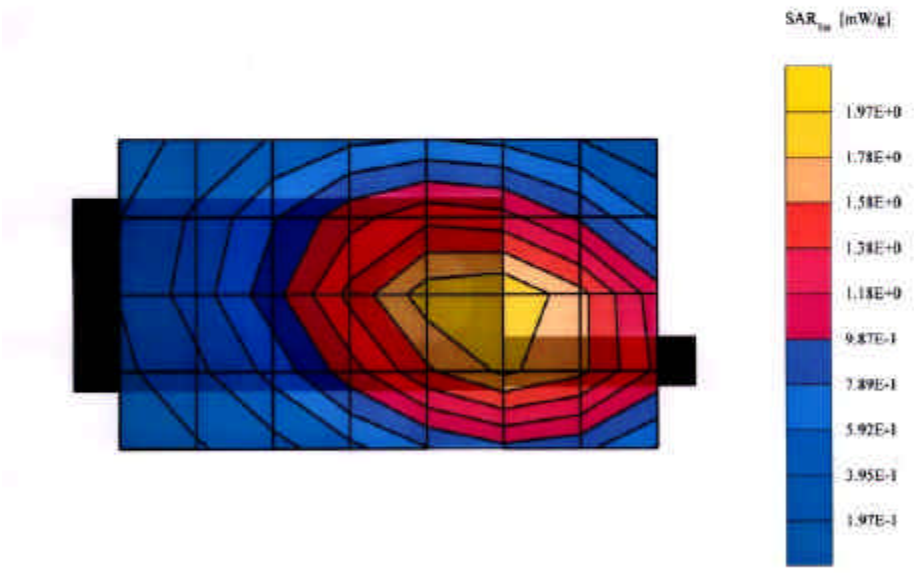
GMRS-1100 (Face)
SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.66 mW/g, SAR (10g): 1.18 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.34 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: In (fixed)
Conducted Power: 1.765W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



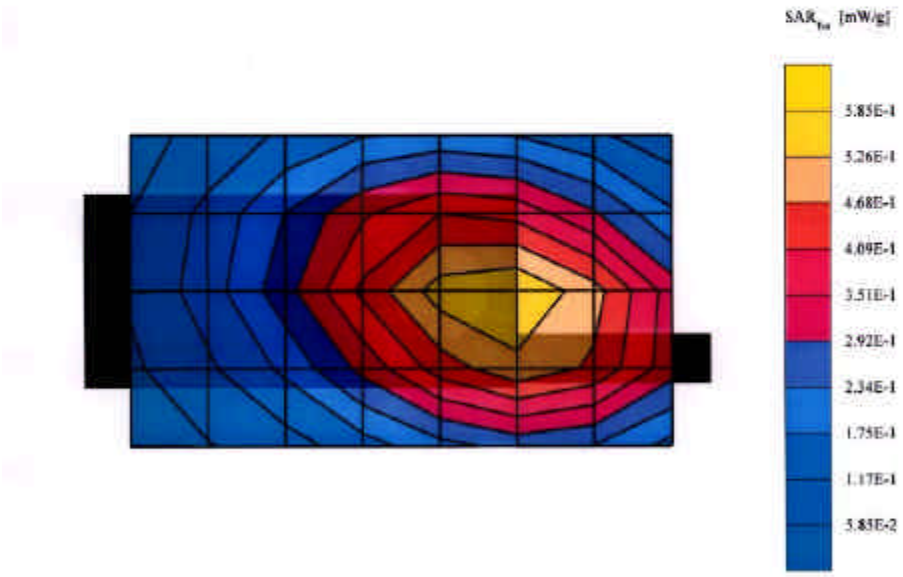
GMRS-1100 (Face)
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e, = 43.2 r =
1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.79 mW/g, SAR (10g): 1.26 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -1.01 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: in (fixed)
Conducted Power: 1.770W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



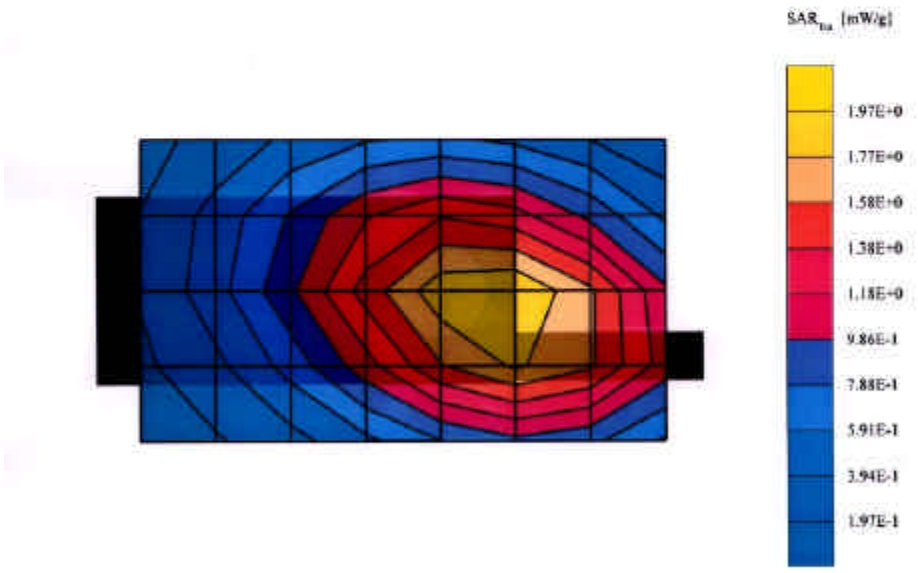
GMRS-1100 (Face)
SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.29 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -1.07 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: In (fixed)
Conducted Power: 1.775W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 15 (462.7250 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



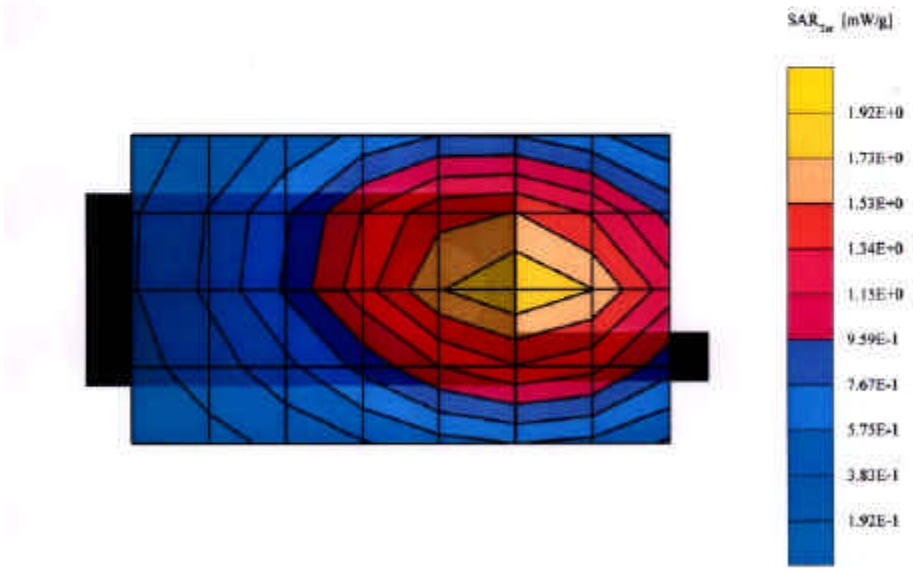
GMRS-1100 (Face)
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.571 mW/g, SAR (10g): 0.403 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.21 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD
Face / Antenna: In (fixed)
Conducted Power: 0.572W (Battery Type: Toshiba)
Mode: FM FRS Channel: 8 (467.5625 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



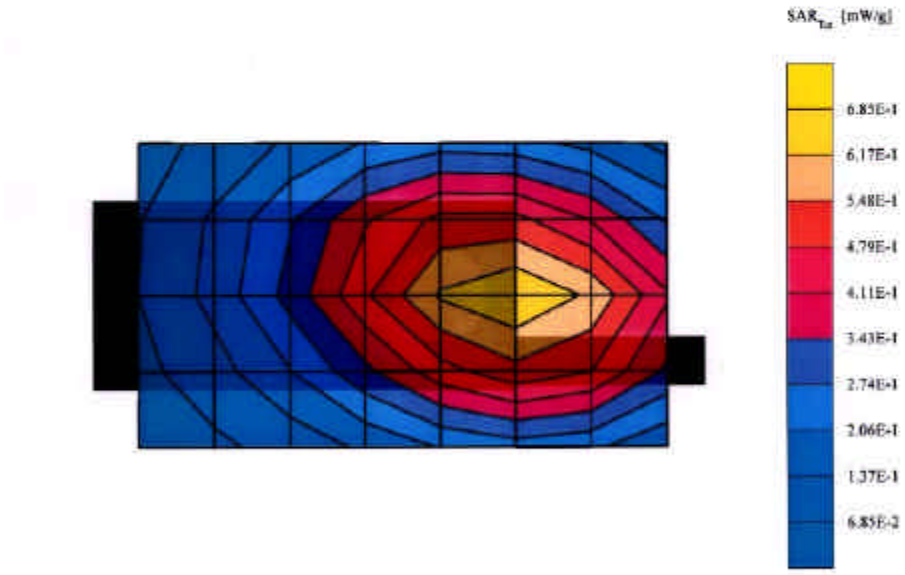
GMRS-1100 (Face)
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.29 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.93 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: In (fixed)
Conducted Power: 1.772W (Battery Type: Energizer)
Mode: FM GMRS Channel: 15 (462.7250 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



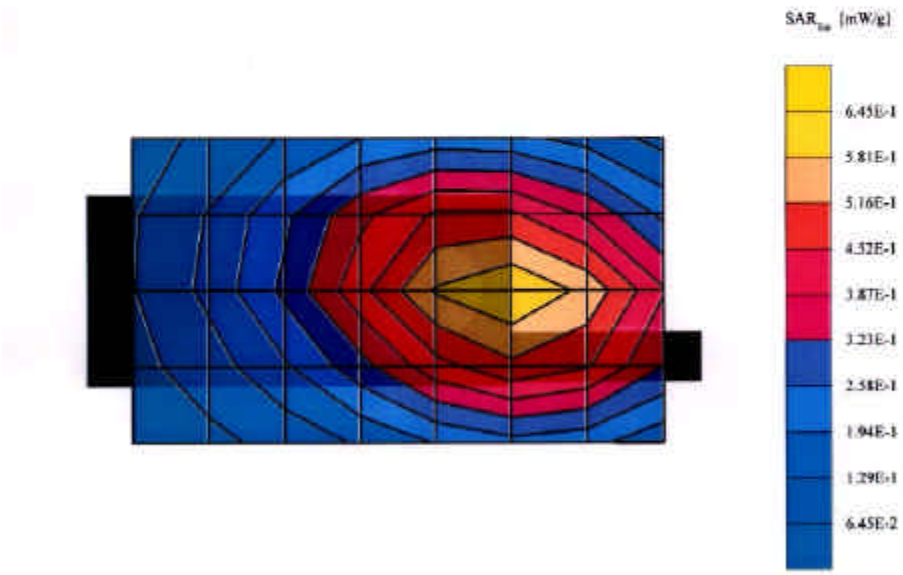
GMRS-1100 (Face)
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.82 mW/g, SAR (10g): 1.29 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.46 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: In (fixed)
Conducted Power: 1.765W (Battery Type: Rocket)
Mode: FM GMRS Channel: 15 (462.7250 MHz)
Liquid Temperature: 22 ℃
Date Tested: August 7, 2002



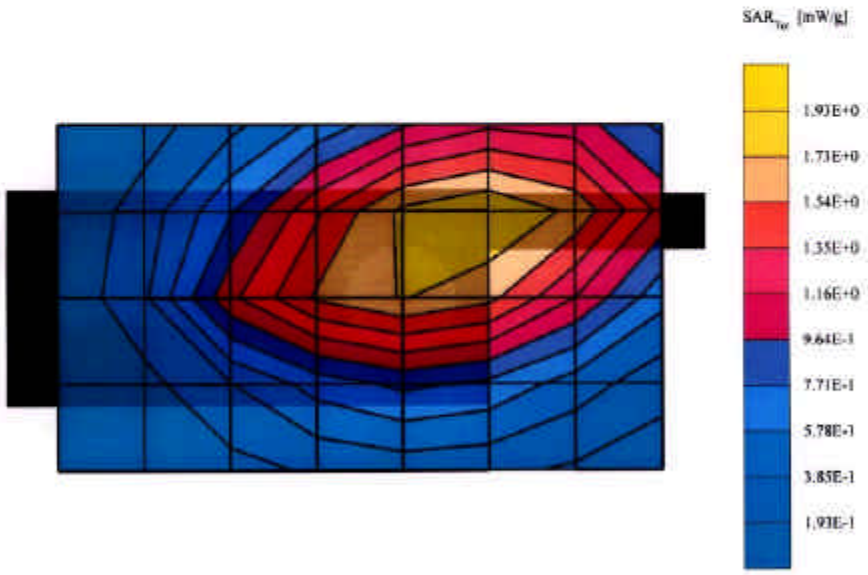
GMRS-1100 (Face)
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.643 mW/g, SAR (10g): 0.455 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
; Powerdrift: -0.24 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: In (fixed)
Conducted Power: 0.570W (Battery Type: Energizer)
Mode: FM FRS Channel: 8 (467.5625 MHz)
Liquid Temperature: 22 ℃
Date Tested: August 7, 2002



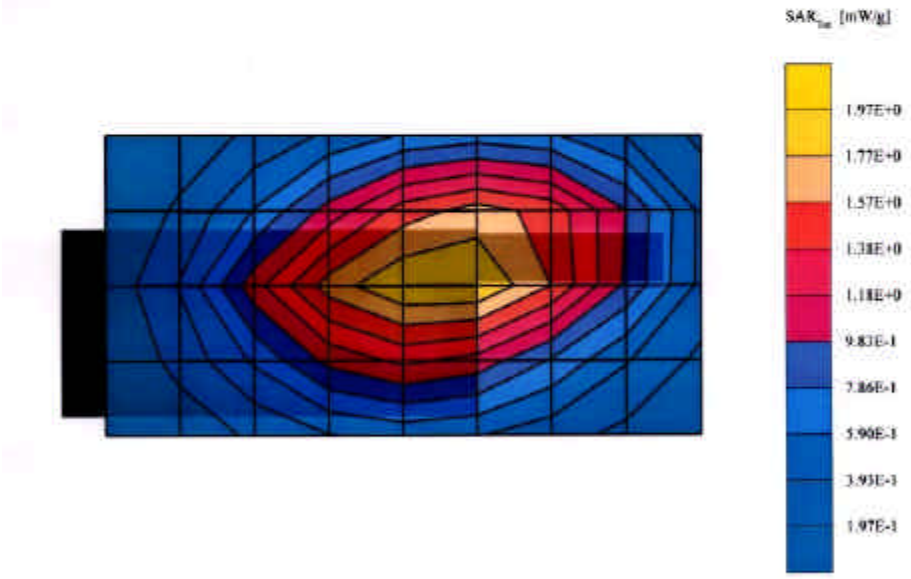
GMRS-1100 (Face)
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz; σ = 0.86 mho/m ε = 43.2 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.607 mW/g, SAR (10g): 0.429 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
; Powerdrift: -0.21 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD
Face / Antenna: in (fixed)
Conducted Power: 0.573W (Battery Type: Rocket)
Mode: FM FRS Channel: 8 (467.5625 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



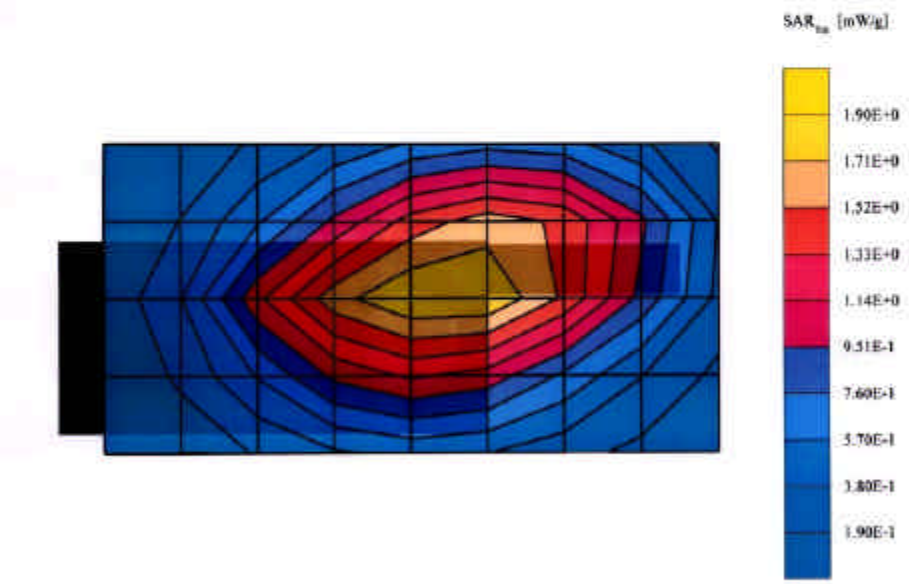
GMRS-1100 (Body)
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Muscle 450 MHz: σ = 0.93 mho/m ε = 55.9 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.78 mW/g, SAR (10g): 1.24 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.89 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD
Body / Antenna: in (fixed)
Conducted Power: 1.756W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 1 (462.5625 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



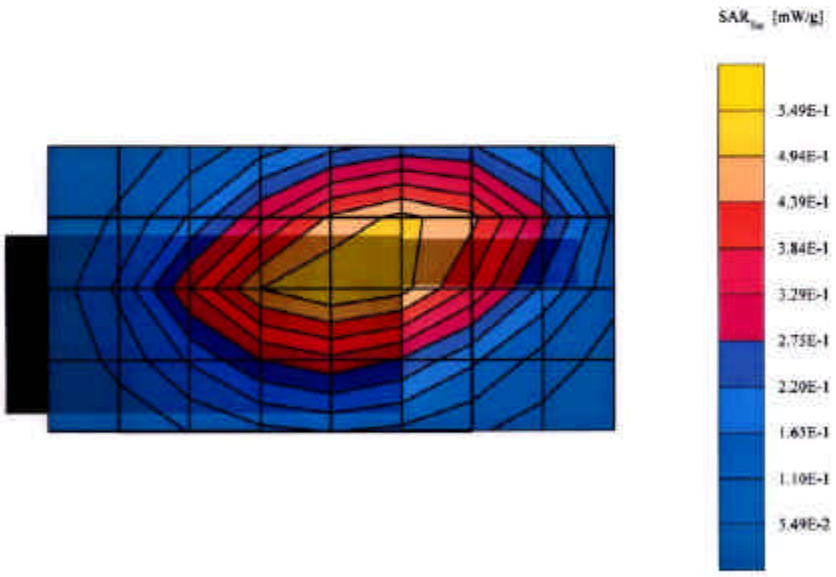
GMRS-1100 (Body)
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Muscle 450 MHz: σ = 0.93 mho/m ε = 55.9 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.28 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.80 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD
Body / Antenna: in (fixed)
Conducted Power: 1.765W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature: 22 ℃
Date Tested: August 7, 2002



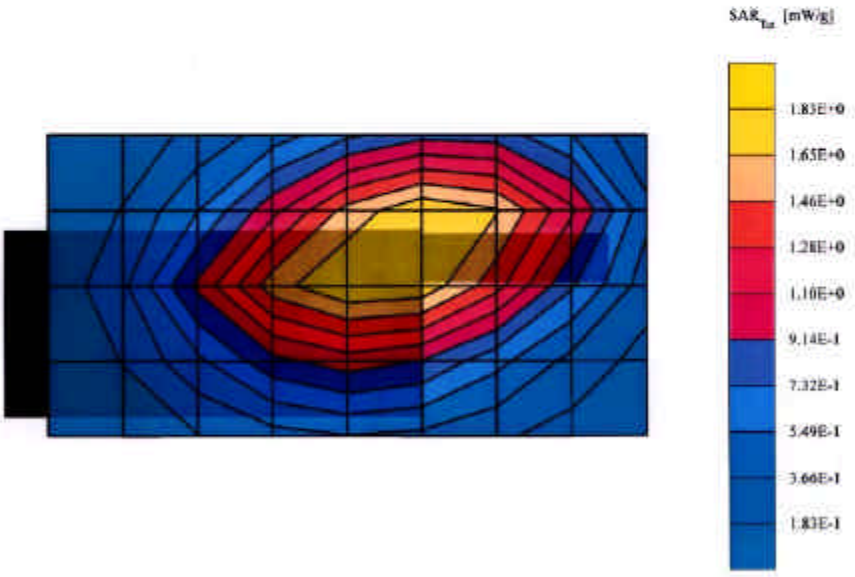
GMRS-1100 (Body)
SAM I Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1609: ConvF(7.60,7.60,7.60): Crest factor: 1.0: Muscle 450 MHz: s = 0.93 mho/m e, = 55.9 r
= 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.78 mW/g, SAR (10g): 1.23 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.72 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Body / Antenna: In (fixed)
Conducted Power: 1.758W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 15 (462.7250 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



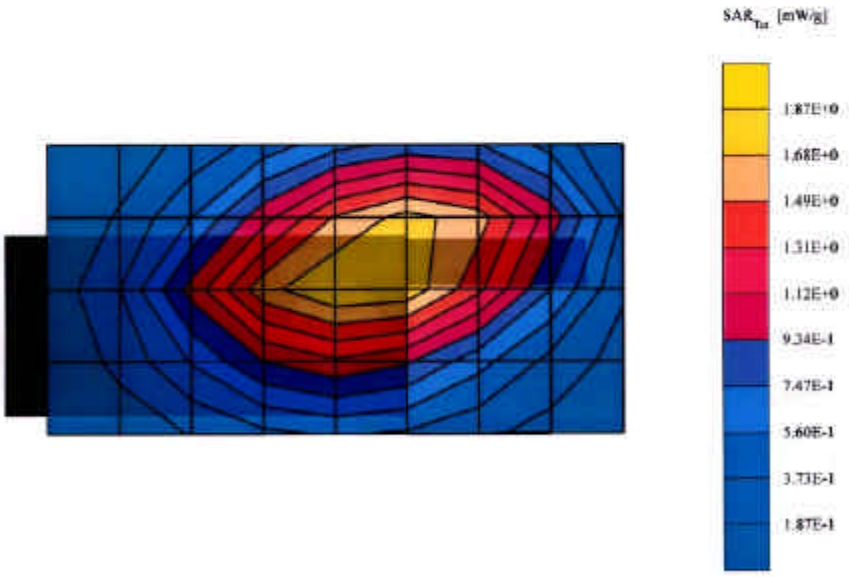
GMRS-1100 (Body)
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Muscle 450 MHz: σ = 0.93 mho/m ε = 55.9 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.533 mW/g, SAR (10g): 0.370 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.19 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD
Body / Antenna: In (fixed)
Conducted Power: 0.572W (Battery Type: Toshiba)
Mode: FM FRS Channel: 8 (467.5625 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



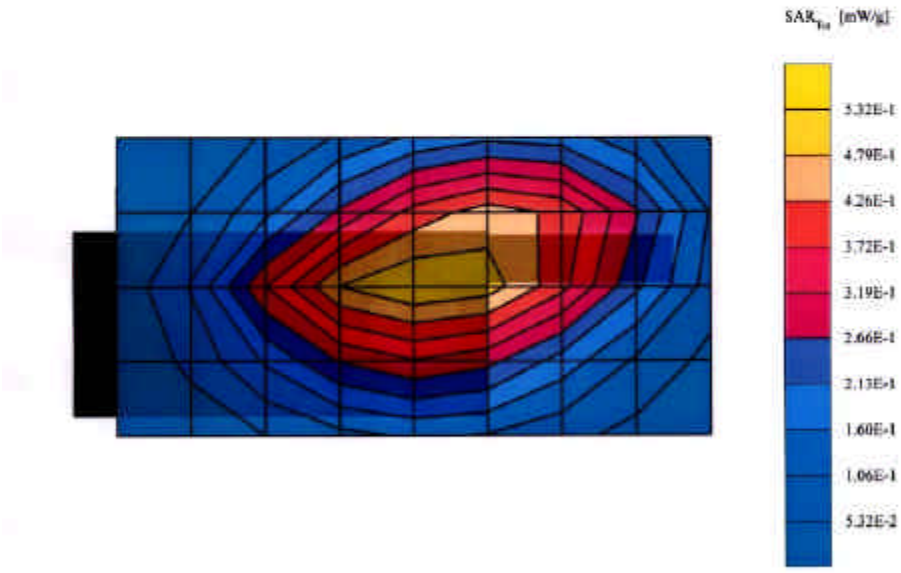
GMRS-1100 (Body)
SAM / Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1609: ConvF(7.60,7.60,7.60): Crest factor: 1.0: Muscle 450 MHz: σ = 0.93 mho/m ε, = 55.9 ρ
= 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.78 mW/g, SAR (10g): 1.19 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.73 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Body / Antenna: In (fixed)
Conducted Power: 1.767W (Battery Type: Energizer)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



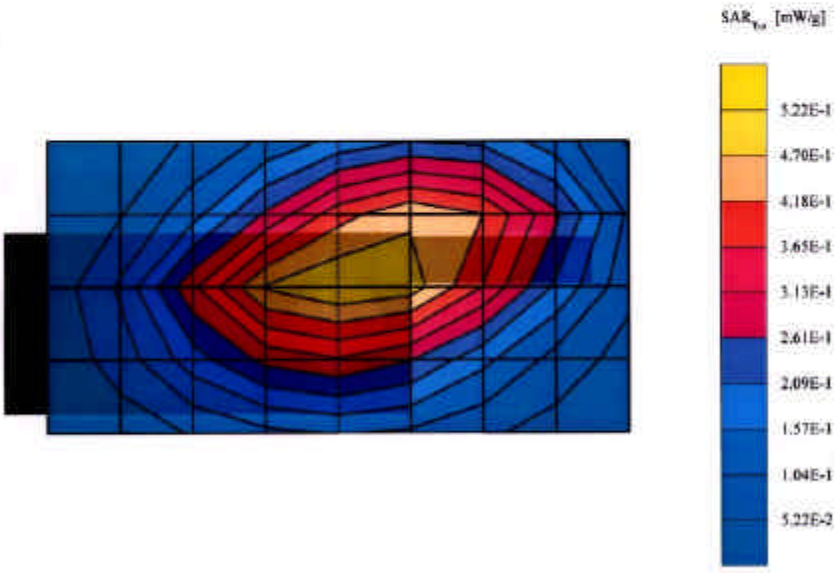
GMRS-1100 (Body)
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Muscle 450 MHz: s = 0.93 mho/m e, = 55.9 r
= 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.79 mW/g, SAR (10g): 1.23 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
; Powerdrift: -0.69 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Body / Antenna: in (fixed)
Conducted Power: 1.758W (Battery Type: Rocket)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



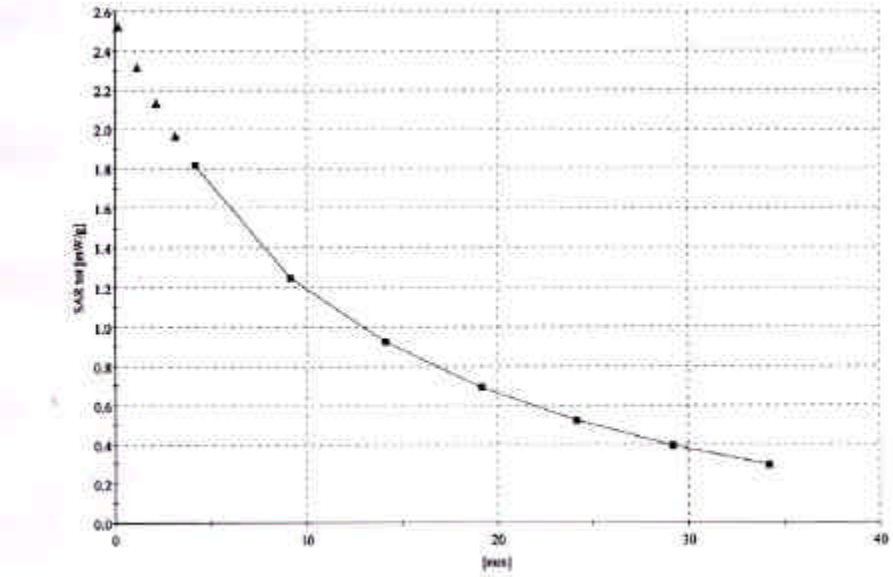
GMRS-1100 (Body)
SAM / Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ETSDV6 - SN1609: ConvF(7.60,7.60,7.60): Crest factor: 1.0: Muscle 450 MHz: s = 0.93 mho/m e = 55.9 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.506 mW/g, SAR (10g): 0.350 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.14 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Body / Antenna: In (fixed)
Conducted Power: 0.574W (Battery Type: Energizer)
Mode: FM FRS Channel: 8 (467.5625 MHz)
Liquid Temperature: 22 °C
Date Tested: August 7, 2002



GMRS-1100 (Body)
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Muscle 450 MHz: s = 0.93 mho/m e, = 55.9 r
= 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.503 mW/g, SAR (10g): 0.347 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
; Powerdrift: -0.15 dB
Comment:
FCC ID : PDHGMRS-1100
Company: TRI TECH CO., LTD.
Body / Antenna: in (fixed)
Conducted Power: 0.562W (Battery Type: Rocket)
Mode: FM FRS Channel: 8 (467.5625 MHz)
Liquid Temperature: 22 ℃
Date Tested: August 7, 2002



GMRS-1100 (Face)
SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz
Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: s = 0.86 mho/m e, = 43.2 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.29 mW/g, (Worst-case extrapolation)
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0
:
Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Face / Antenna: In (fixed)
Conducted Power: 1.775W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 15 (462.7250 MHz)
Liquid Temperature: 22 ℃
Date Tested: August 7, 2002



GMRS-1100 (Body)
SAM 1 Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Muscle 450 MHz: σ = 0.93 mho/m ε, = 55.9 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 1.83 mW/g, SAR (10g): 1.26 mW/g, (Worst-case extrapolation)
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:
FCC ID : PDHGMRS-1100
Company: TTI TECH CO., LTD.
Body / Antenna: In (fixed)
Conducted Power: 1.765W (Battery Type: Toshiba)
Mode: FM GMRS Channel: 22 (462.7250 MHz)
Liquid Temperature: 22 ℃
Date Tested: August 7, 2002