APPENDIX A - SAR MEASUREMENT DATA

Date Tested: 04/15/2009

Face-held SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

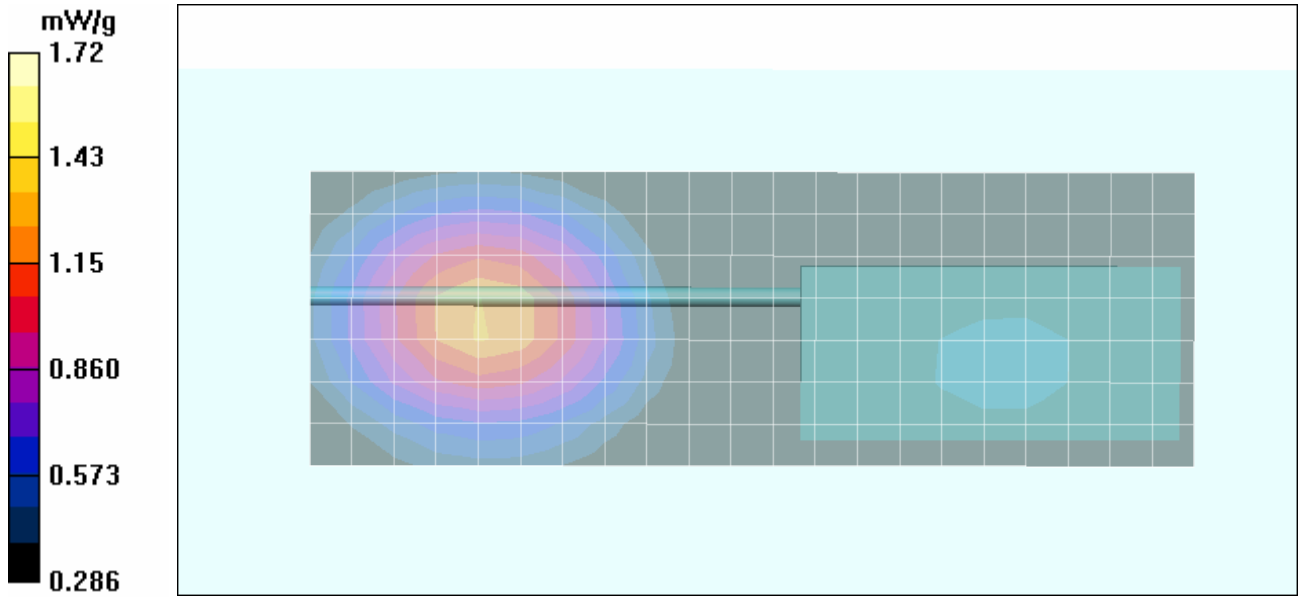
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 815 MHz; σ = 0.9 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.26 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.7 V/m; Power Drift = -0.504 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 1.63 mW/g; SAR(10 g) = 1.23 mW/g
Maximum value of SAR (measured) = 1.72 mW/g



Date Tested: 04/15/2009

Face-held SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

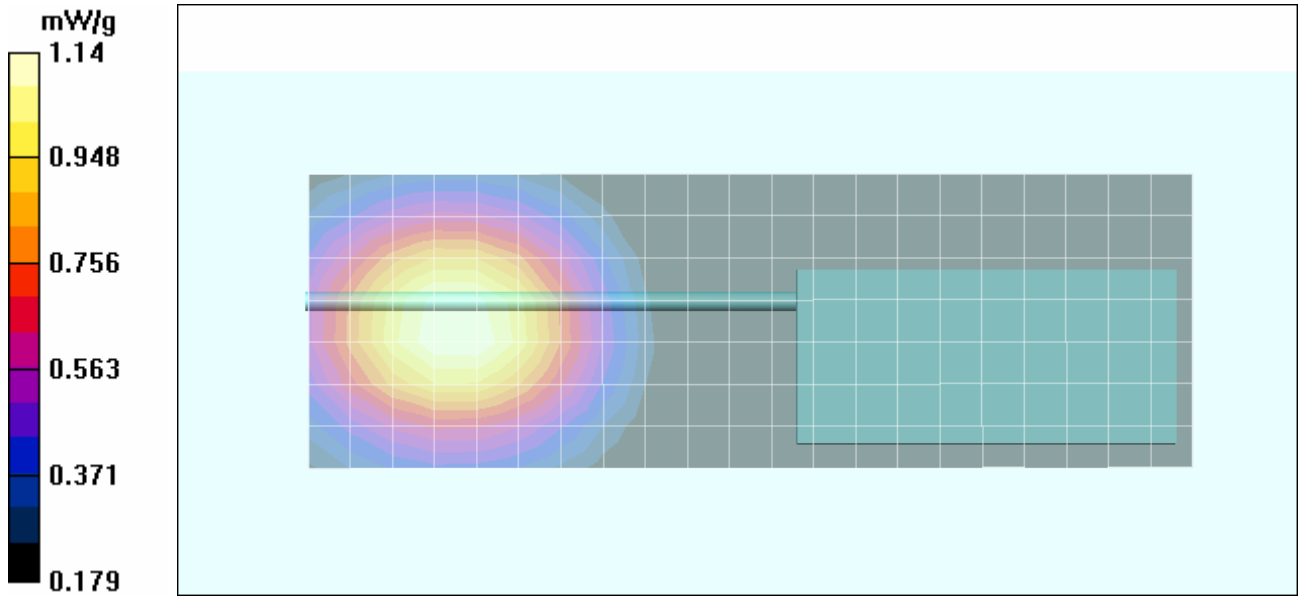
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 860 MHz; σ = 0.94 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.14 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.18 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.811 mW/g



Date Tested: 04/15/2009

Face-held SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

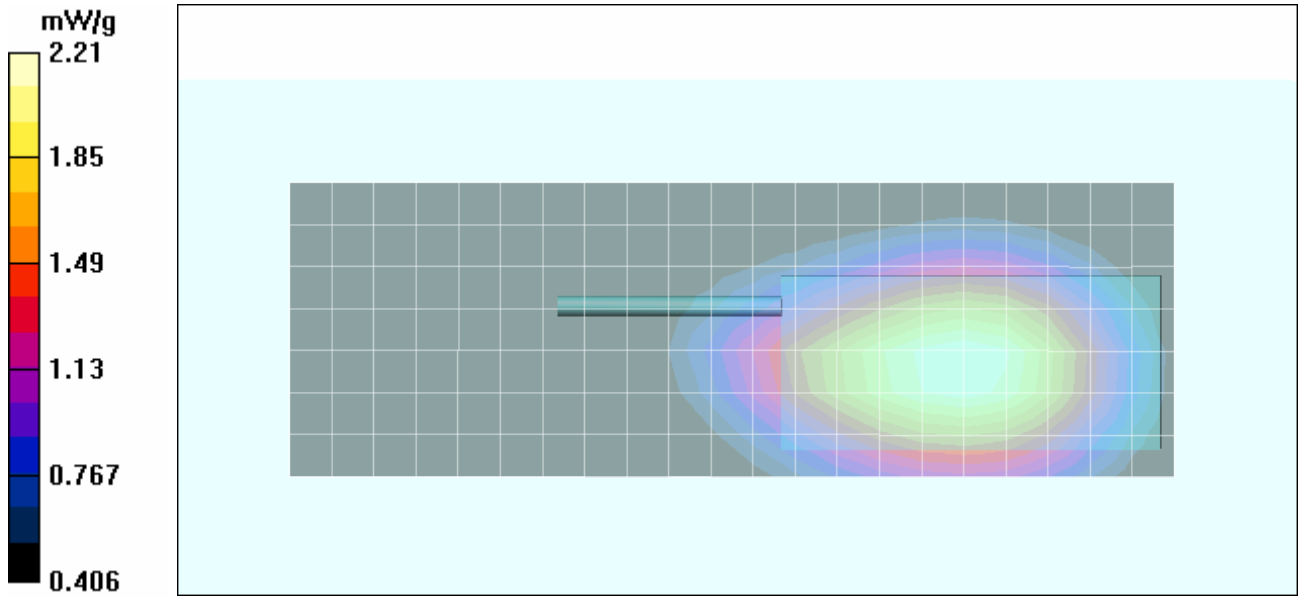
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 770 MHz; σ = 0.86 mho/m; ε_r = 43.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.21 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.3 V/m; Power Drift = -0.039 dB
Peak SAR (extrapolated) = 2.47 W/kg
SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.63 mW/g



Date Tested: 04/15/2009

Face-held SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

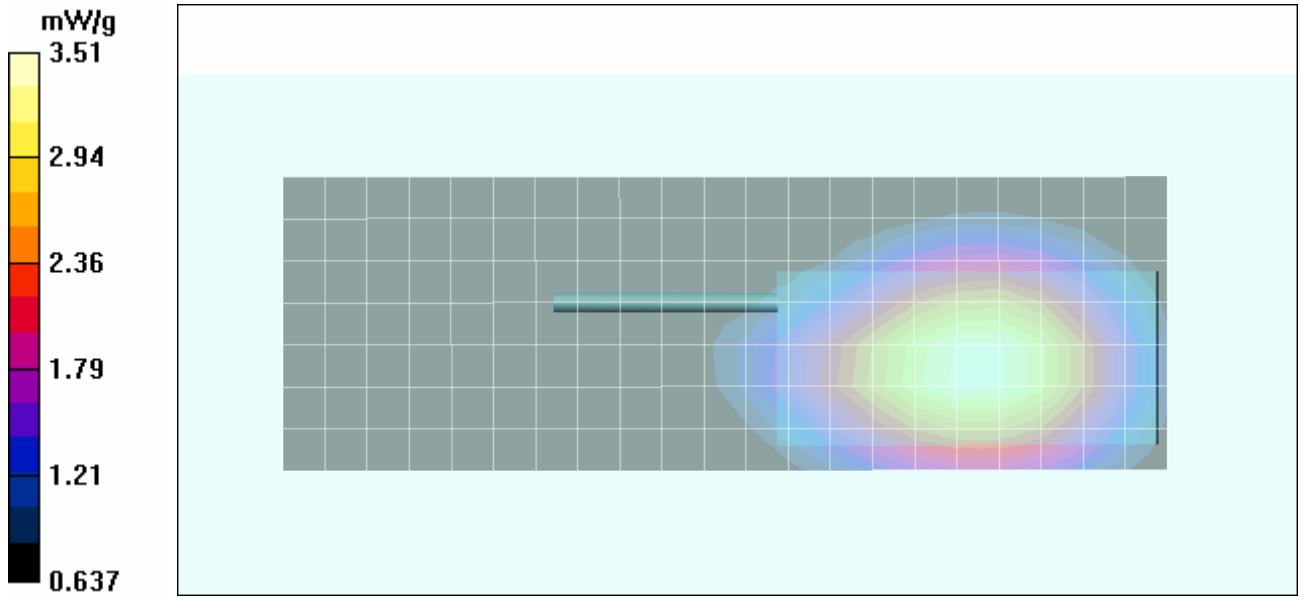
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 800 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.38 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.8 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 3.33 mW/g; SAR(10 g) = 2.53 mW/g
Maximum value of SAR (measured) = 3.51 mW/g



Date Tested: 04/15/2009

Face-held SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

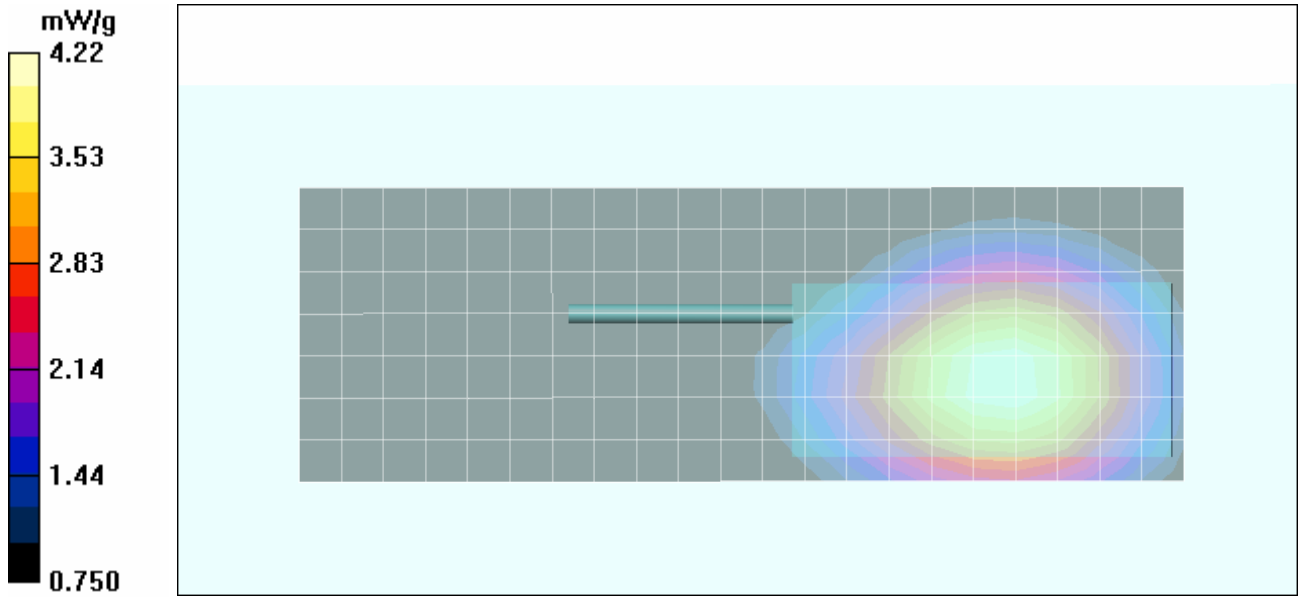
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

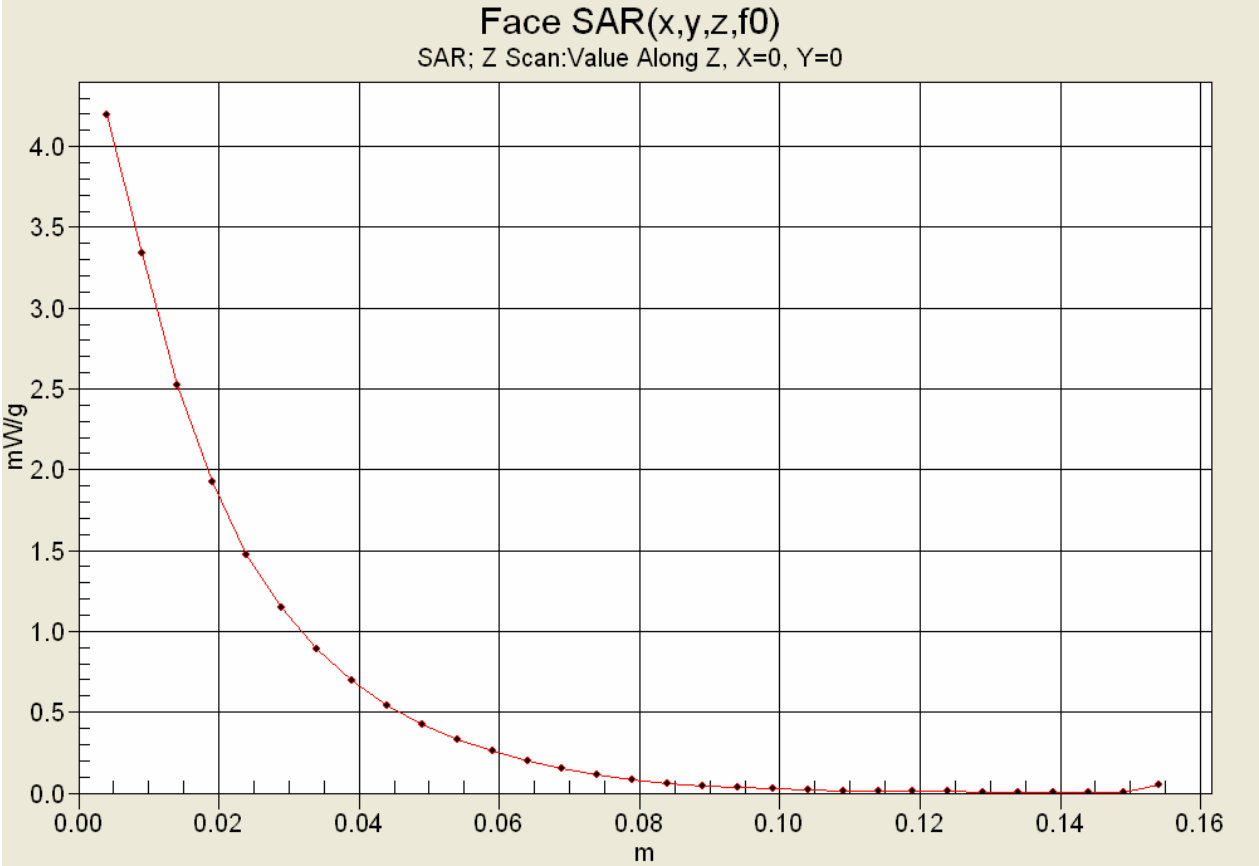
Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 815 MHz; σ = 0.9 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.19 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 43.2 V/m; Power Drift = -0.450 dB
Peak SAR (extrapolated) = 4.72 W/kg
SAR(1 g) = 4 mW/g; SAR(10 g) = 3.04 mW/g
Maximum value of SAR (measured) = 4.22 mW/g



Z-Axis Scan


Face SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 05/13/2009

SAR RE-EVALUATION AT 3.4 WATTS CONDUCTED OUTPUT POWER LEVEL (MAX. TOLERANCE)

Face-held SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

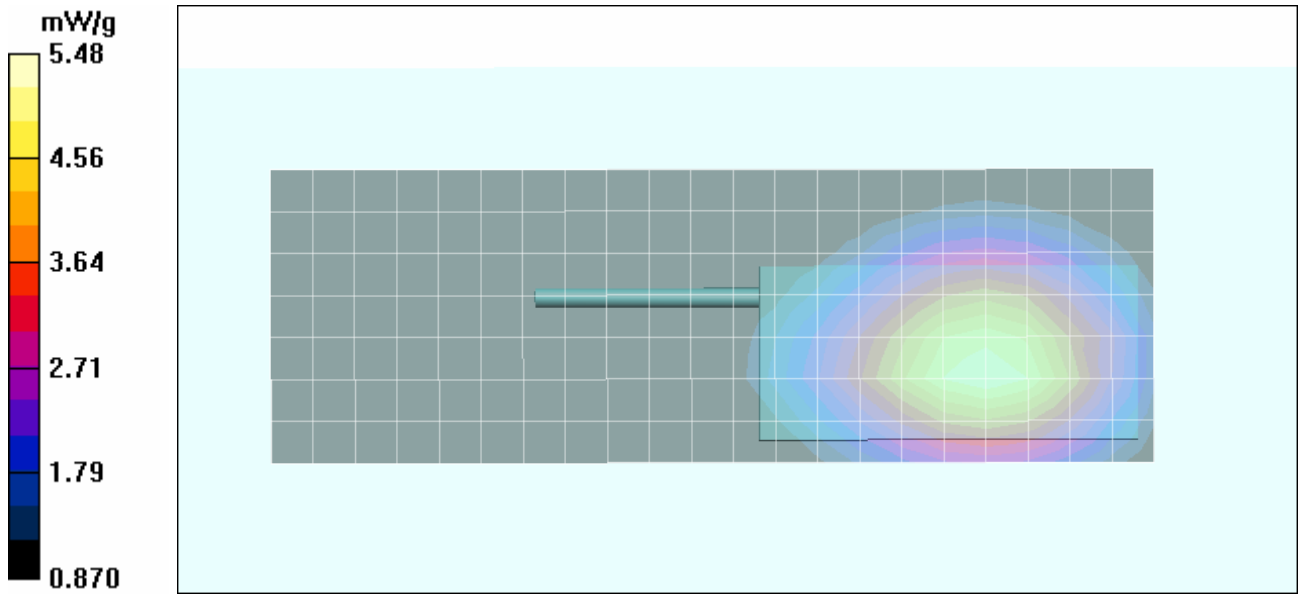
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 23.0°C; Fluid Temp: 22.4°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

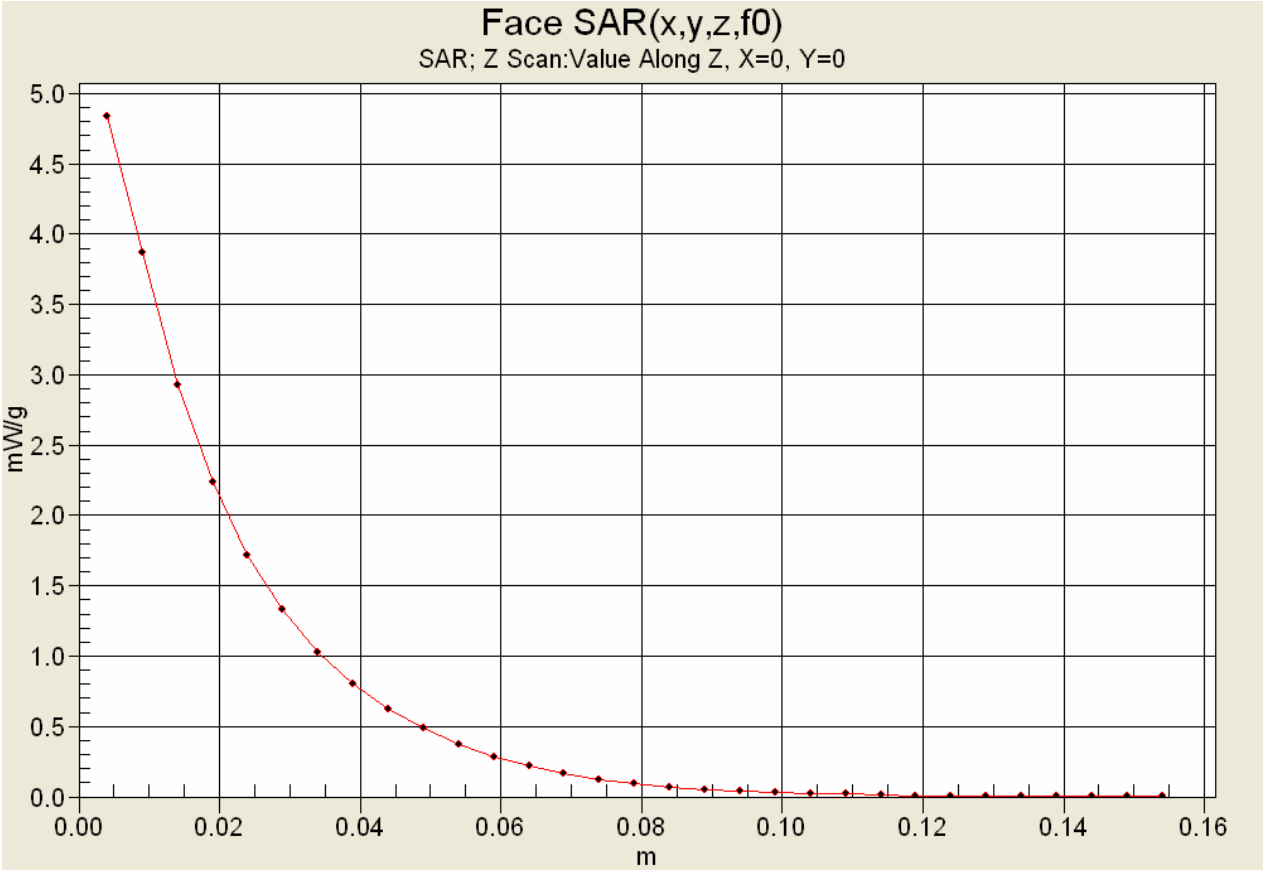
Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 815 MHz; σ = 0.89 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.18 mW/g
Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.0 V/m; Power Drift = -0.174 dB
Peak SAR (extrapolated) = 6.16 W/kg
SAR(1 g) = 5.19 mW/g; SAR(10 g) = 3.95 mW/g
Maximum value of SAR (measured) = 5.48 mW/g



Z-Axis Scan


Face SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 04/15/2009

Face-held SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

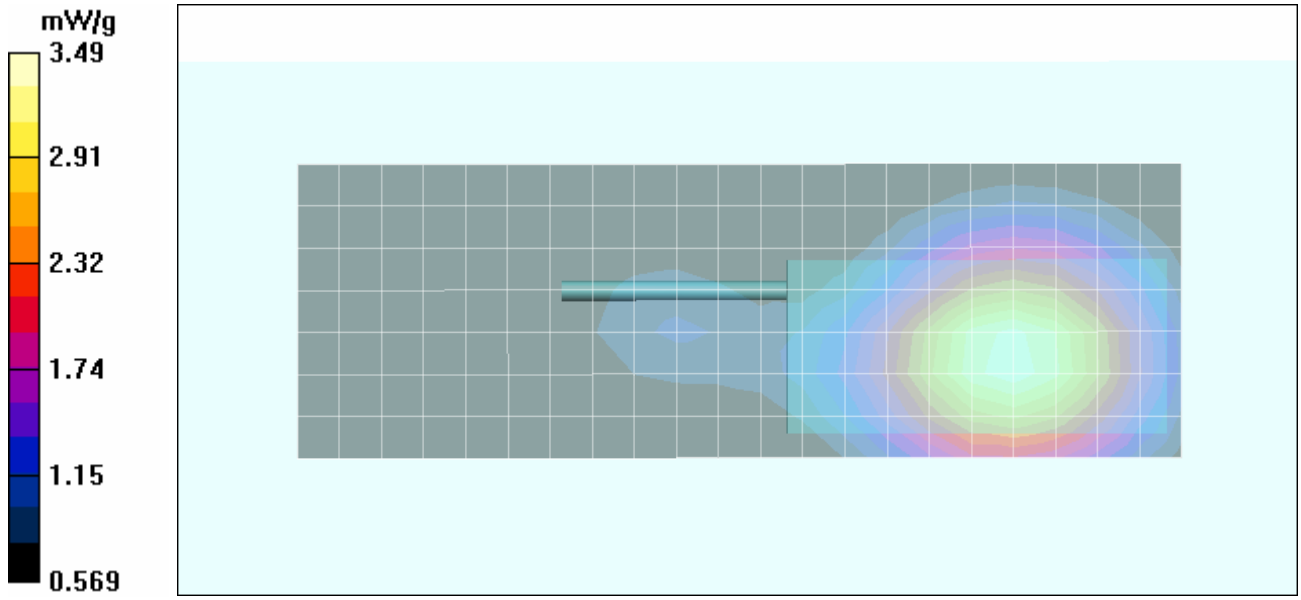
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 860 MHz; σ = 0.94 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.44 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.0 V/m; Power Drift = -0.322 dB
Peak SAR (extrapolated) = 3.90 W/kg
SAR(1 g) = 3.3 mW/g; SAR(10 g) = 2.48 mW/g
Maximum value of SAR (measured) = 3.49 mW/g



Date Tested: 04/15/2009

Face-held SAR - Scan Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

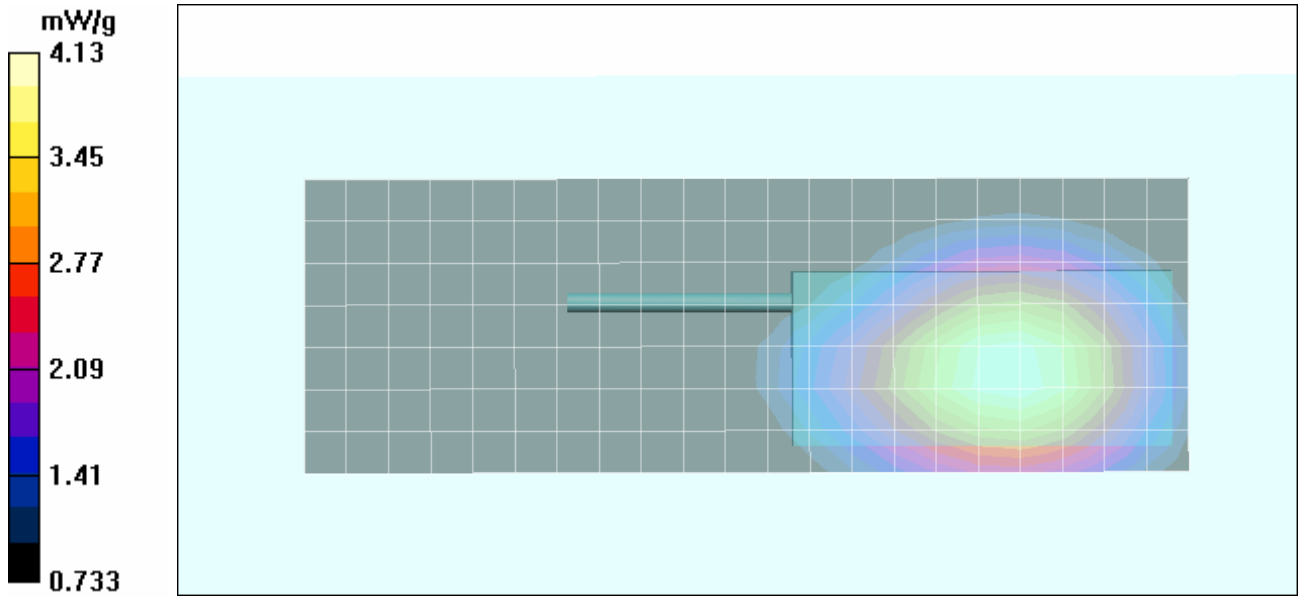
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-003

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 815 MHz; σ = 0.9 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.10 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.5 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 4.62 W/kg
SAR(1 g) = 3.92 mW/g; SAR(10 g) = 2.99 mW/g
Maximum value of SAR (measured) = 4.13 mW/g



Date Tested: 04/15/2009

Face-held SAR - Speaker-Mic with KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

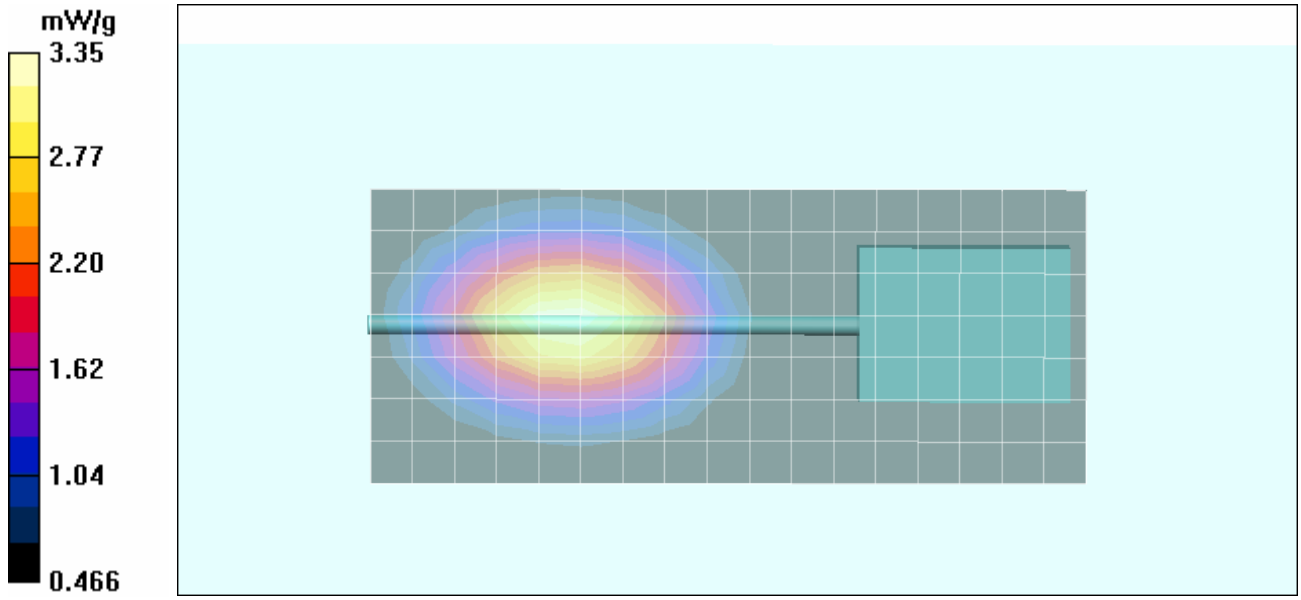
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver & Speaker-Mic-Ant.; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 815 MHz; σ = 0.9 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.32 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.45 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 3.14 mW/g; SAR(10 g) = 2.29 mW/g
Maximum value of SAR (measured) = 3.35 mW/g



Date Tested: 04/15/2009

Face-held SAR - Speaker-Mic with KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

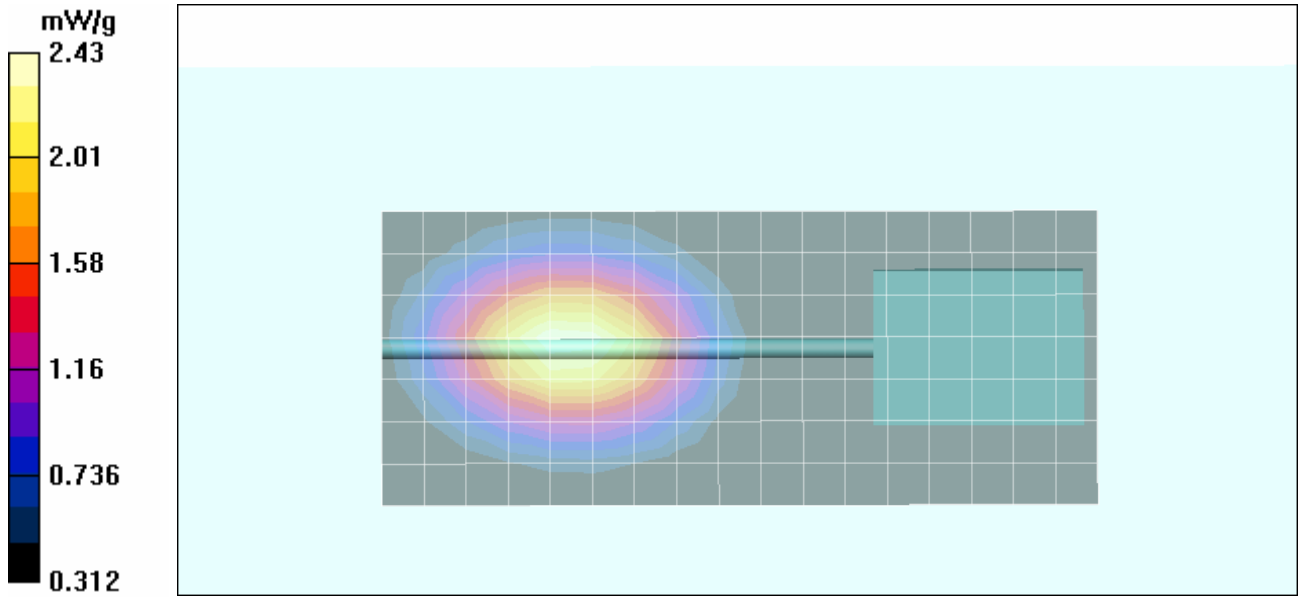
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver & Speaker-Mic-Ant.; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 860 MHz; σ = 0.94 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.42 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.24 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 2.78 W/kg
SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.64 mW/g
Maximum value of SAR (measured) = 2.43 mW/g



Date Tested: 04/15/2009

Face-held SAR - Speaker-Mic with KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

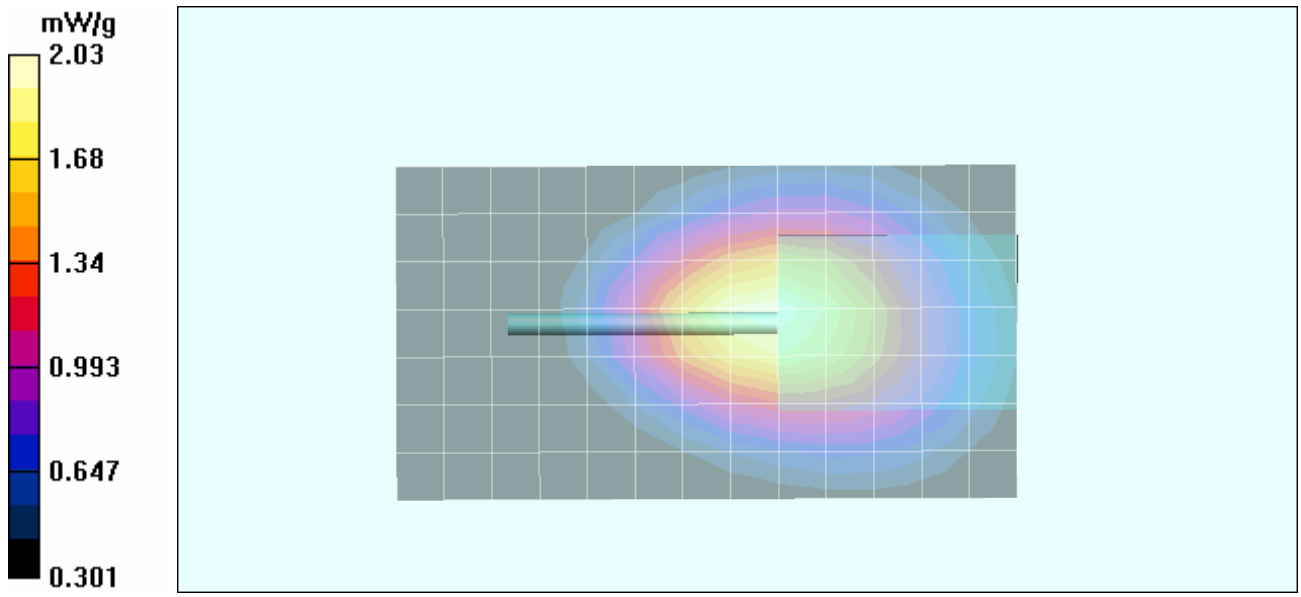
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver & Speaker-Mic-Ant.; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 770 MHz; σ = 0.86 mho/m; ε_r = 43.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.01 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.4 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 1.91 mW/g; SAR(10 g) = 1.41 mW/g
Maximum value of SAR (measured) = 2.03 mW/g



Date Tested: 04/15/2009

Face-held SAR - Speaker-Mic with KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

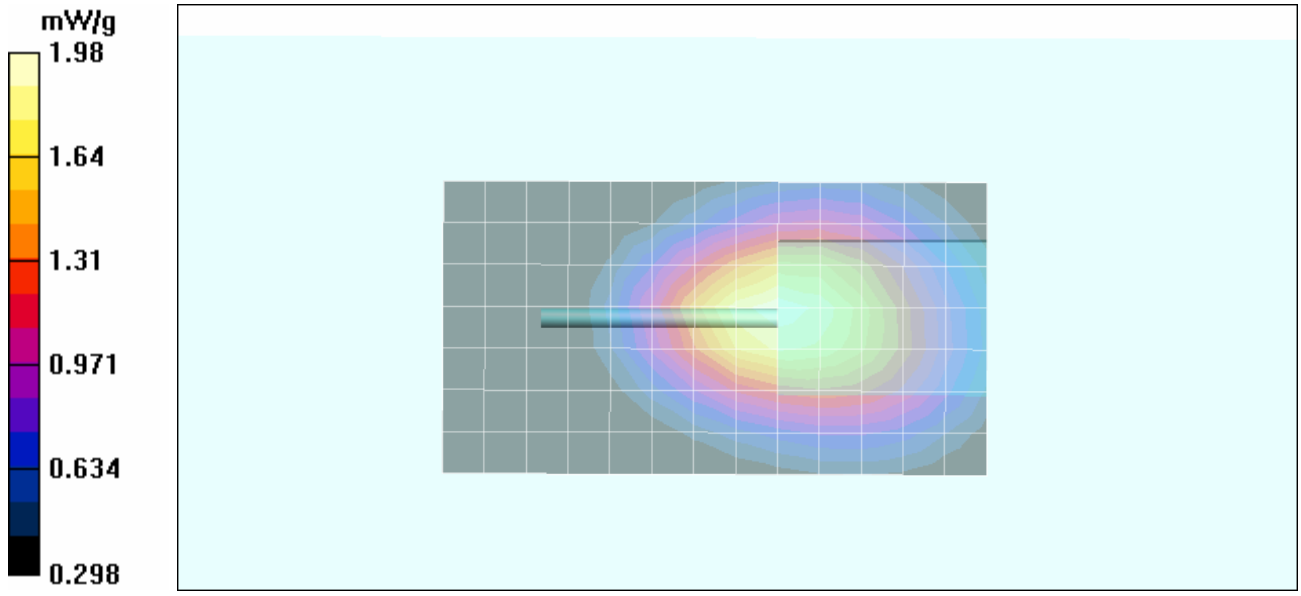
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver & Speaker-Mic-Ant.; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 800 MHz; σ = 0.88 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.95 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 48.3 V/m; Power Drift = 0.217 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 1.87 mW/g; SAR(10 g) = 1.38 mW/g
Maximum value of SAR (measured) = 1.98 mW/g



Date Tested: 04/15/2009

Face-held SAR - Speaker-Mic with KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

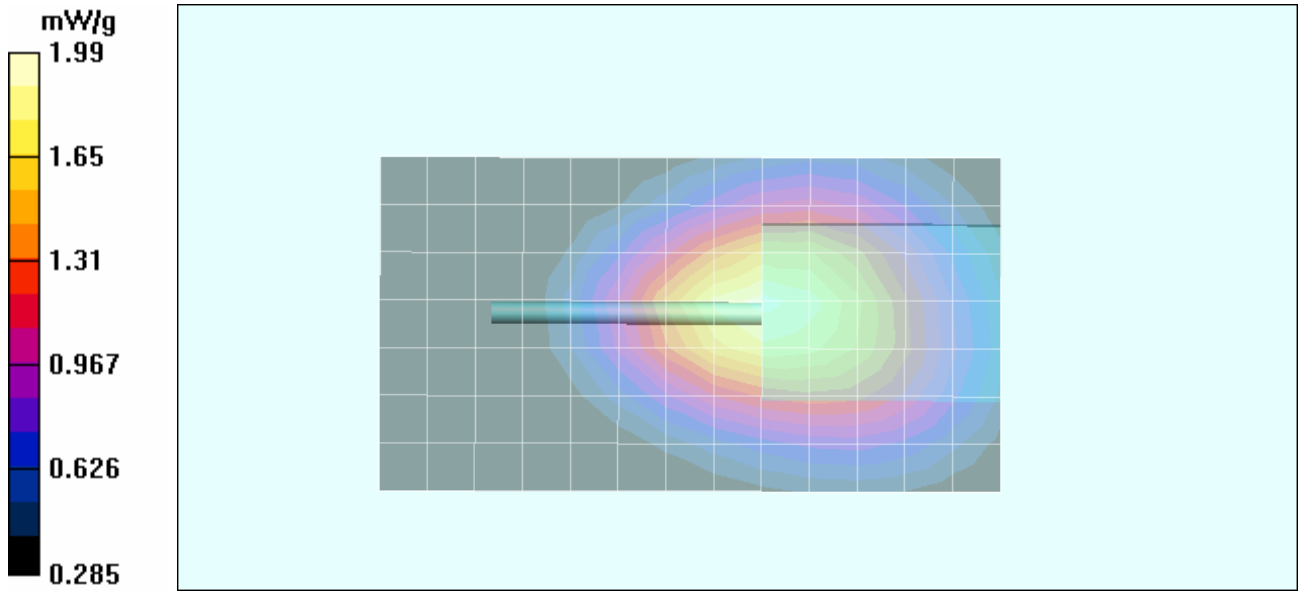
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver & Speaker-Mic-Ant.; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 815 MHz; σ = 0.9 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.92 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.0 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 1.86 mW/g; SAR(10 g) = 1.37 mW/g
Maximum value of SAR (measured) = 1.99 mW/g



Date Tested: 04/15/2009

Face-held SAR - Speaker-Mic with KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

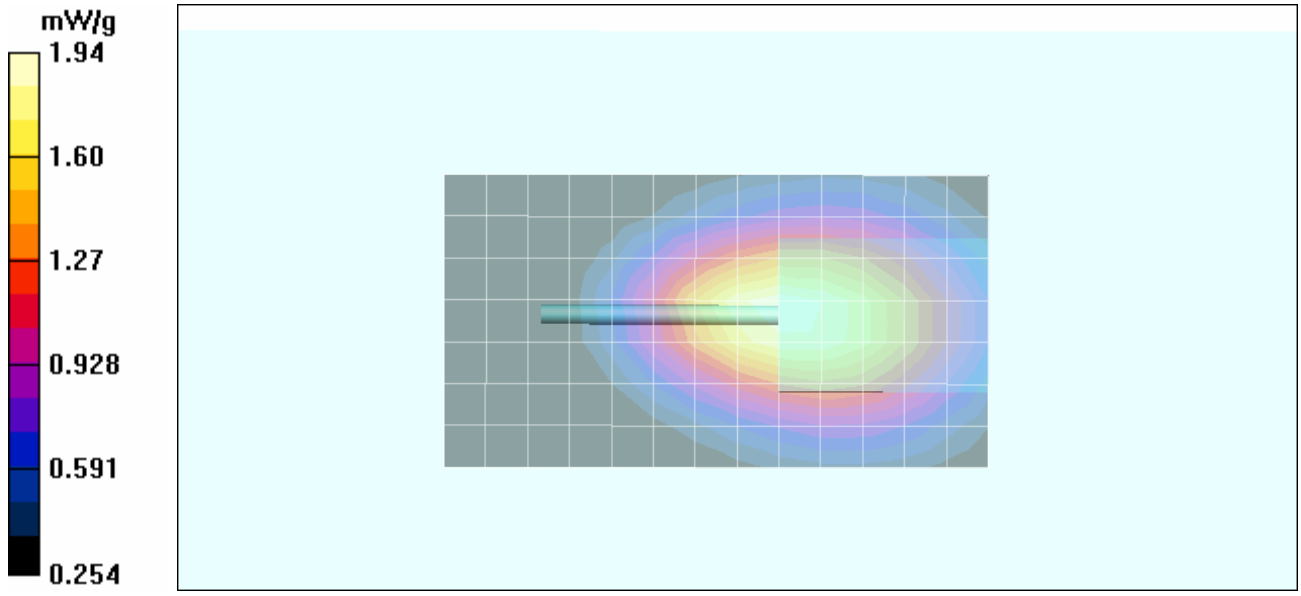
DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver & Speaker-Mic-Ant.; Serial: T2-DB-004

Ambient Temp: 24.0°C; Fluid Temp: 22.6°C; Barometric Pressure: 101.5 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: HSL835 Medium parameters used: f = 860 MHz; σ = 0.94 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 13/03/2007
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-held SAR - 2.5 cm Spacing from Front Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.90 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.3 V/m; Power Drift = -0.176 dB
Peak SAR (extrapolated) = 2.25 W/kg
SAR(1 g) = 1.82 mW/g; SAR(10 g) = 1.33 mW/g
Maximum value of SAR (measured) = 1.94 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

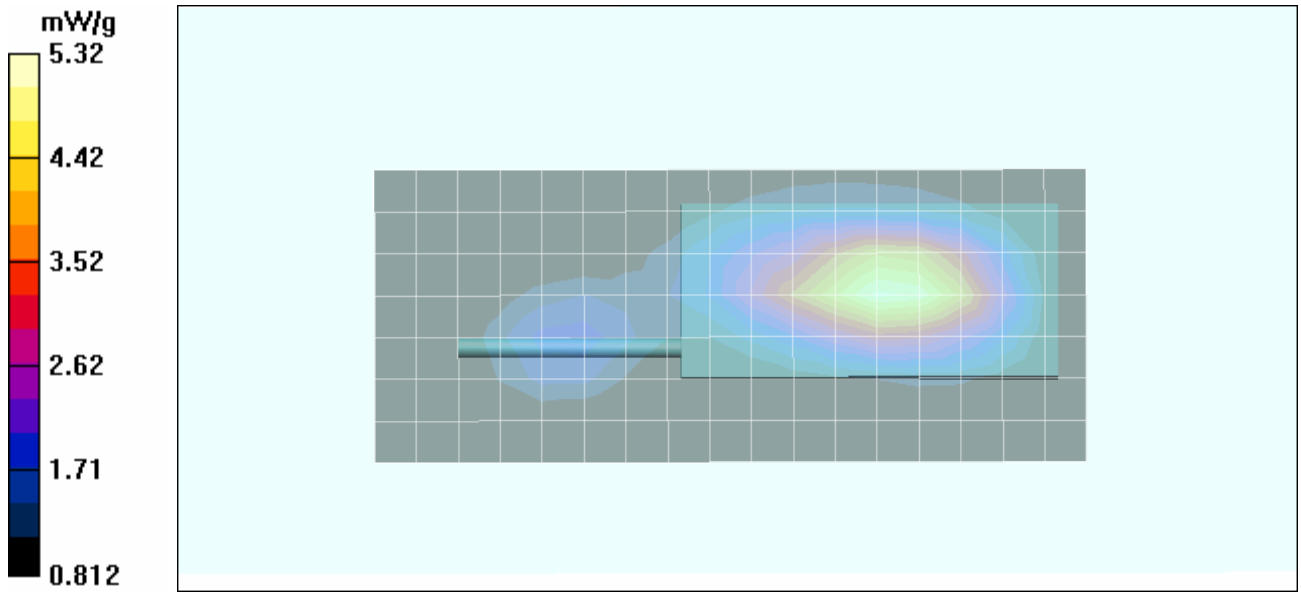
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

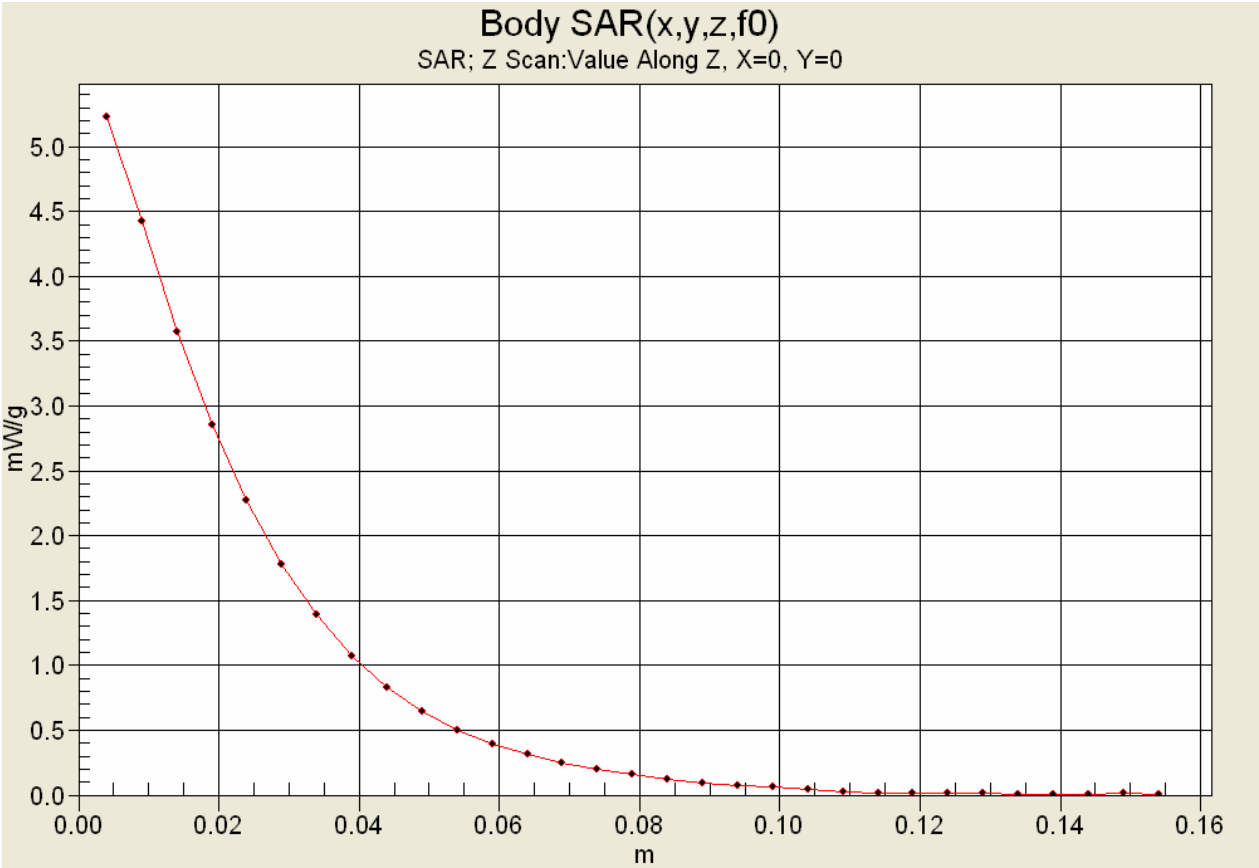
Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.93 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.13 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.3 V/m; Power Drift = -0.033 dB
Peak SAR (extrapolated) = 5.74 W/kg
SAR(1 g) = 5.12 mW/g; SAR(10 g) = 3.96 mW/g
Maximum value of SAR (measured) = 5.32 mW/g



Z-Axis Scan


Body SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd IS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

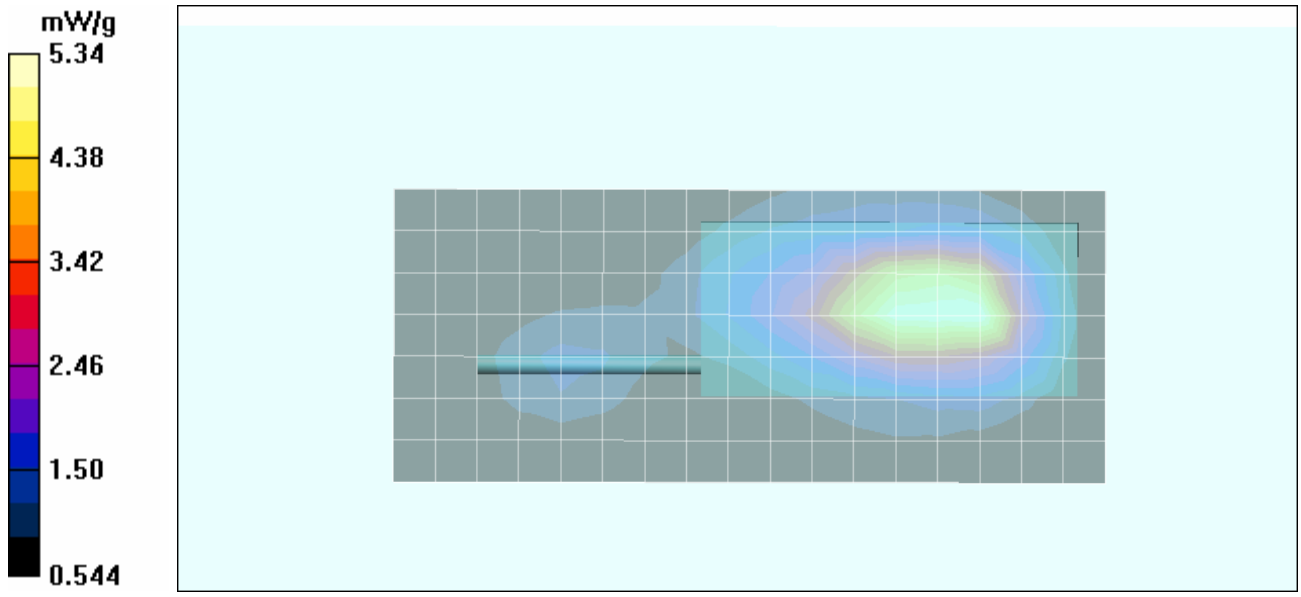
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.93 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.42 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.5 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 5.92 W/kg
SAR(1 g) = 5.09 mW/g; SAR(10 g) = 3.85 mW/g
Maximum value of SAR (measured) = 5.34 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

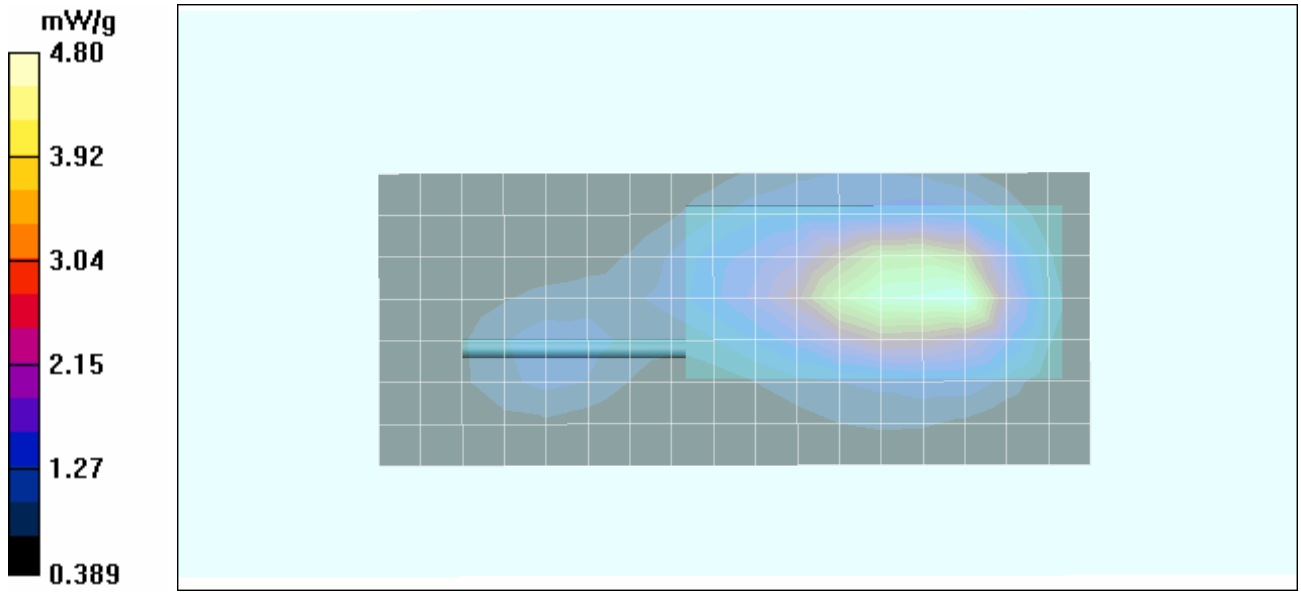
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.93 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.78 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.2 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 5.86 W/kg
SAR(1 g) = 4.5 mW/g; SAR(10 g) = 3.3 mW/g
Maximum value of SAR (measured) = 4.80 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH IS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

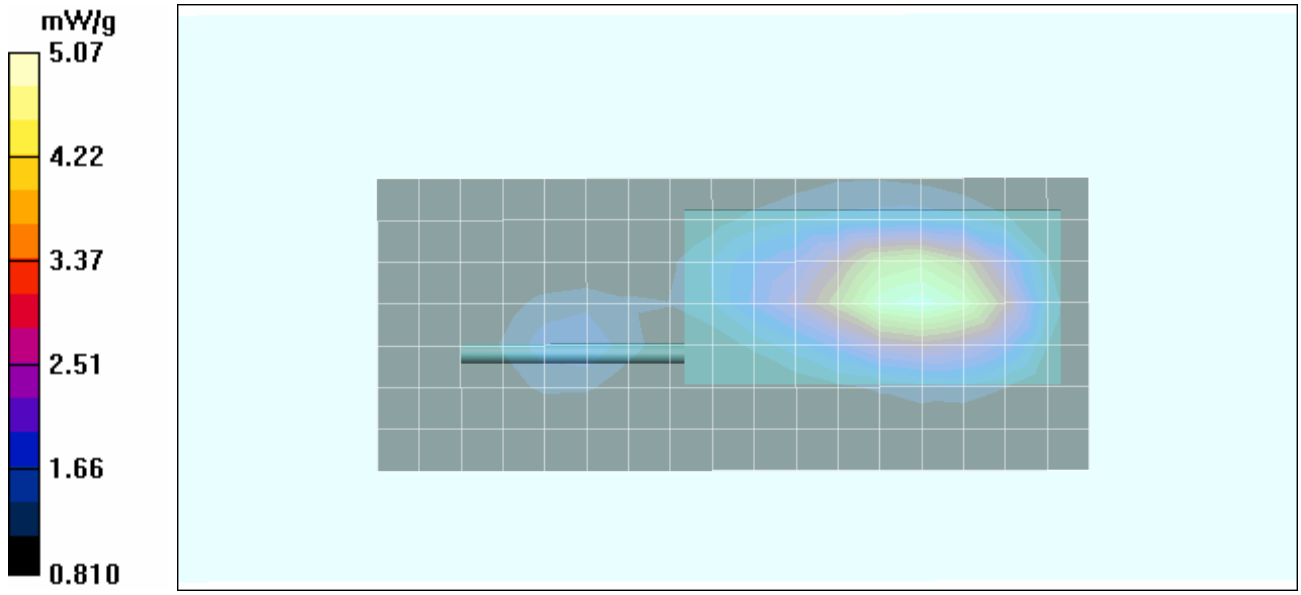
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.93 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.98 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.4 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 5.38 W/kg
SAR(1 g) = 4.88 mW/g; SAR(10 g) = 3.82 mW/g
Maximum value of SAR (measured) = 5.07 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

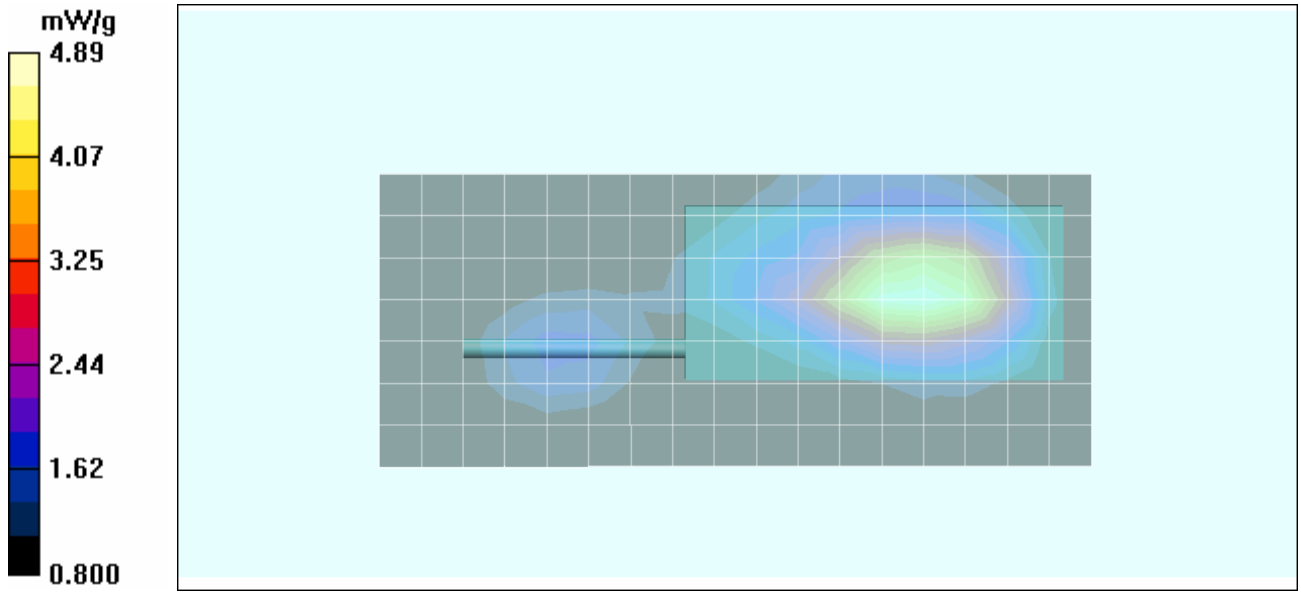
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.93 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.90 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.1 V/m; Power Drift = -0.100 dB
Peak SAR (extrapolated) = 5.16 W/kg
SAR(1 g) = 4.71 mW/g; SAR(10 g) = 3.68 mW/g
Maximum value of SAR (measured) = 4.89 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion IS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

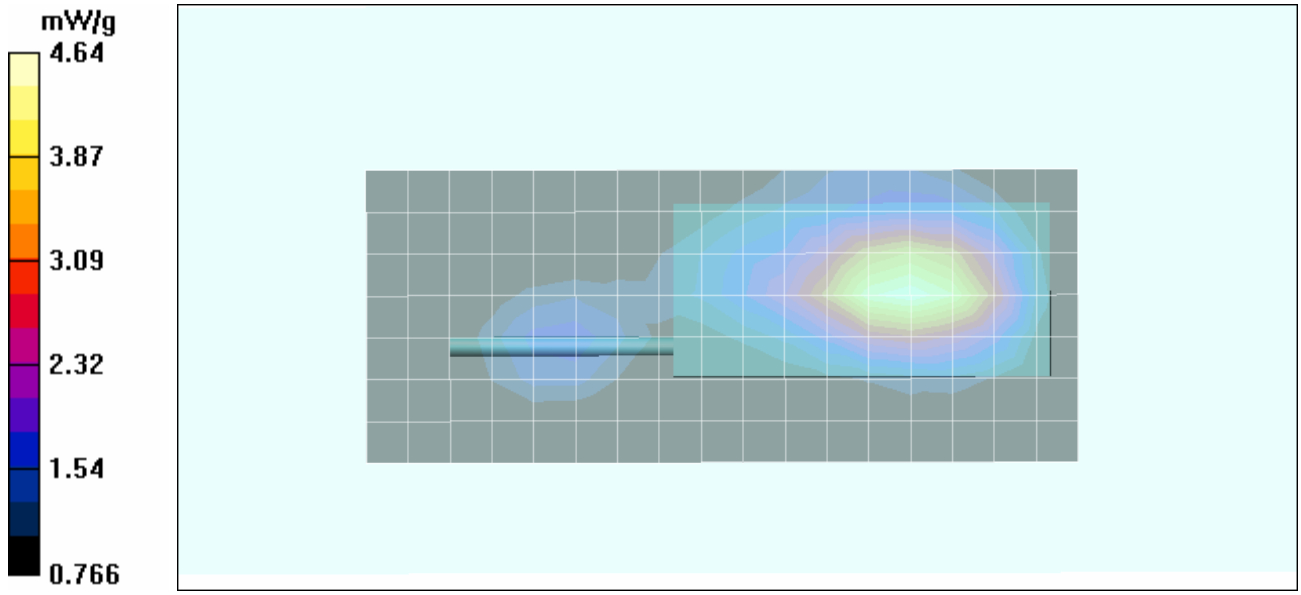
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.93 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.62 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.6 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 4.90 W/kg
SAR(1 g) = 4.45 mW/g; SAR(10 g) = 3.48 mW/g
Maximum value of SAR (measured) = 4.64 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

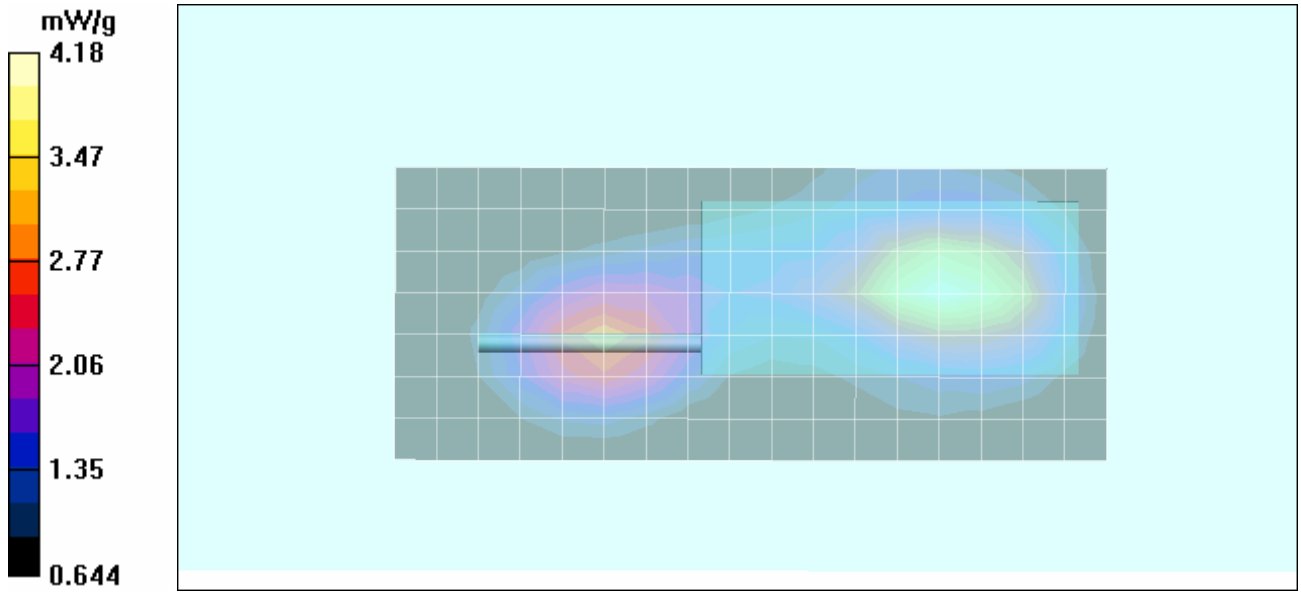
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.20 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = -0.340 dB
Peak SAR (extrapolated) = 4.52 W/kg
SAR(1 g) = 4.02 mW/g; SAR(10 g) = 3.12 mW/g
Maximum value of SAR (measured) = 4.18 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = -0.340 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.8 mW/g; SAR(10 g) = 2.01 mW/g
Maximum value of SAR (measured) = 3.00 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd IS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

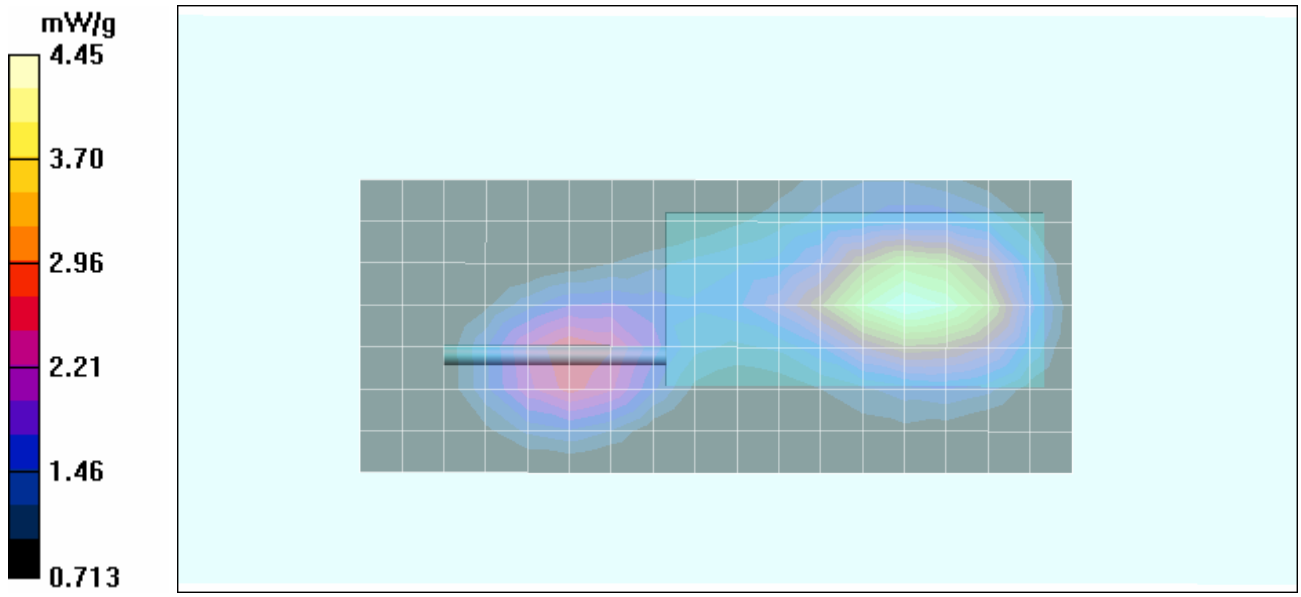
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.52 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 43.8 V/m; Power Drift = -0.212 dB
Peak SAR (extrapolated) = 4.73 W/kg
SAR(1 g) = 4.24 mW/g; SAR(10 g) = 3.29 mW/g
Maximum value of SAR (measured) = 4.45 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

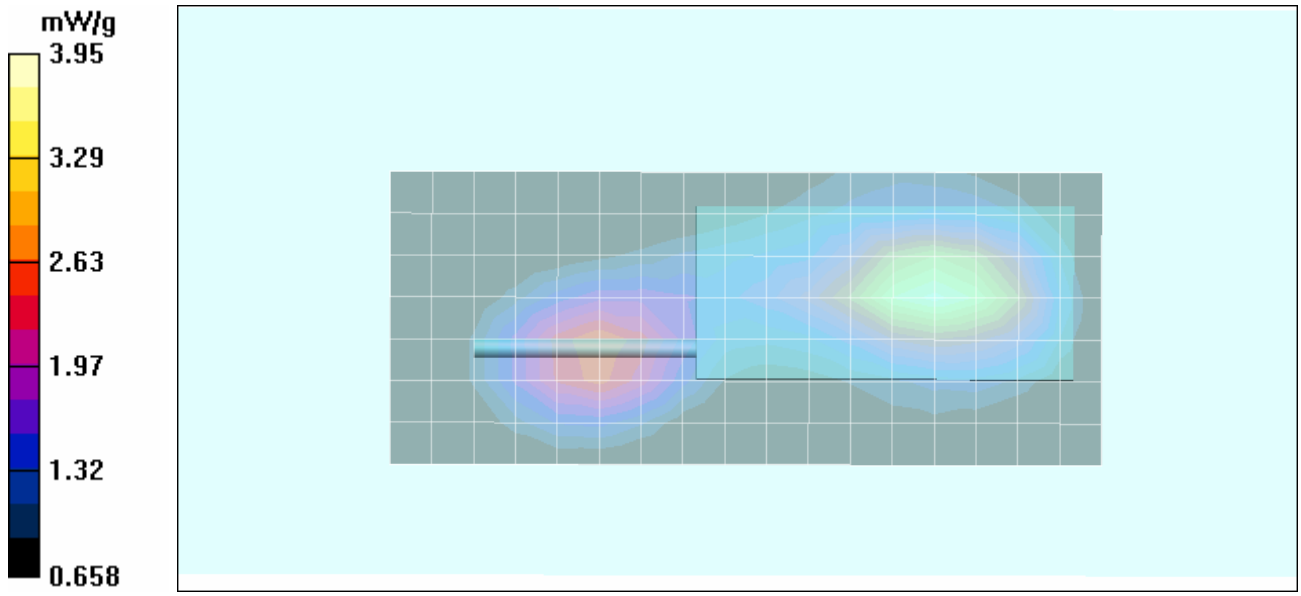
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.84 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.6 V/m; Power Drift = -0.085 dB
Peak SAR (extrapolated) = 4.20 W/kg
SAR(1 g) = 3.76 mW/g; SAR(10 g) = 2.92 mW/g
Maximum value of SAR (measured) = 3.95 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.6 V/m; Power Drift = -0.085 dB
Peak SAR (extrapolated) = 3.13 W/kg
SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.87 mW/g
Maximum value of SAR (measured) = 2.76 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH IS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

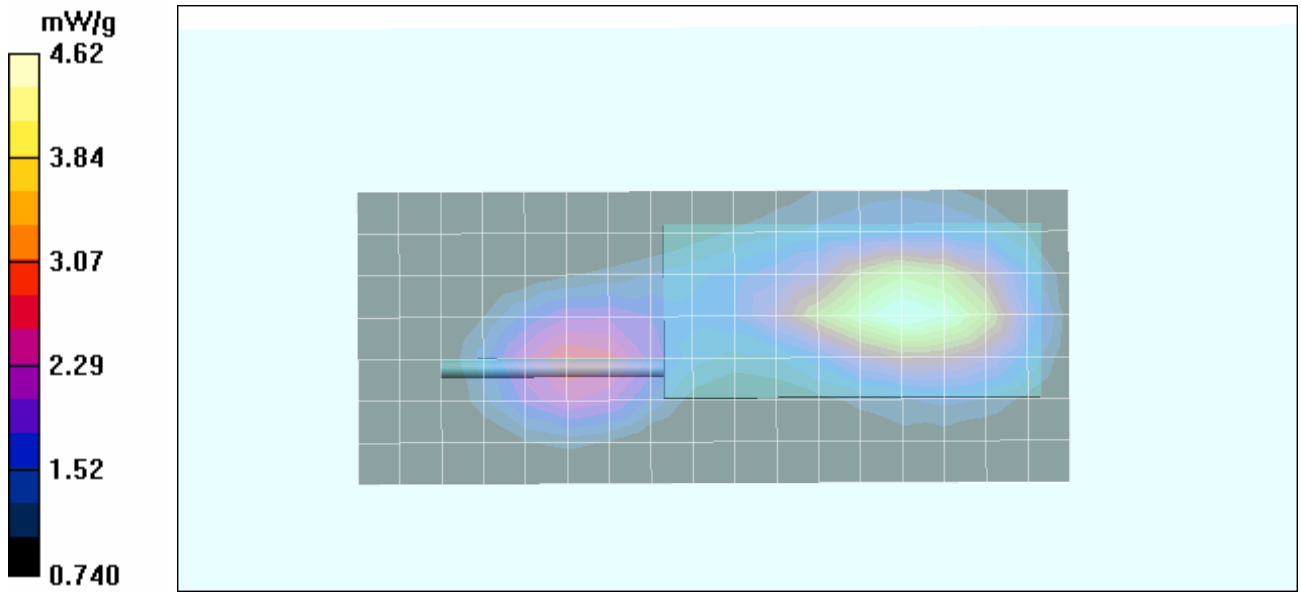
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.81 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.1 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 4.90 W/kg
SAR(1 g) = 4.41 mW/g; SAR(10 g) = 3.42 mW/g
Maximum value of SAR (measured) = 4.62 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

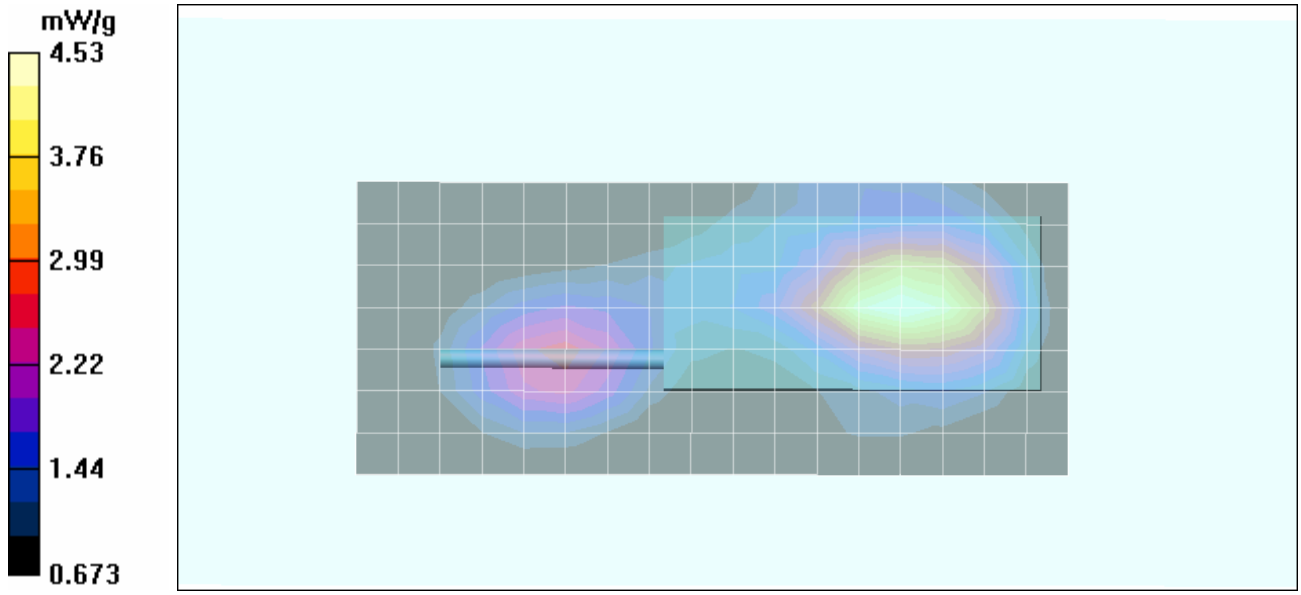
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.66 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.6 V/m; Power Drift = -0.201 dB
Peak SAR (extrapolated) = 4.83 W/kg
SAR(1 g) = 4.34 mW/g; SAR(10 g) = 3.36 mW/g
Maximum value of SAR (measured) = 4.53 mW/g



Date Tested: 03/24/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion IS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

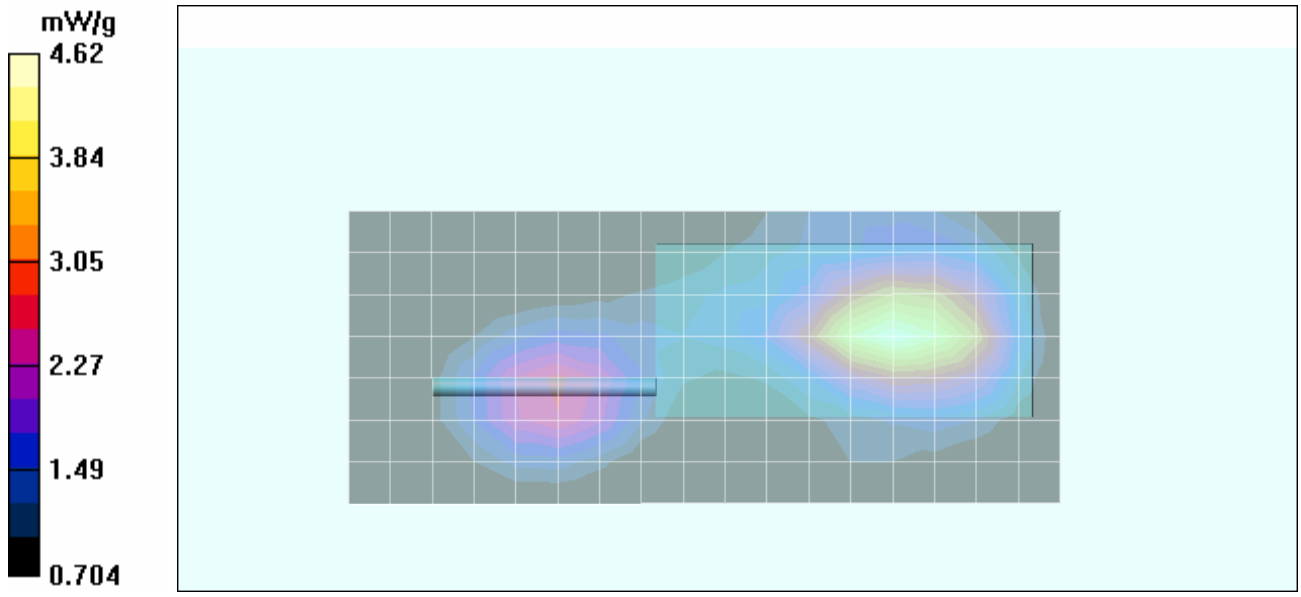
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.3°C; Fluid Temp: 22.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.63 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.6 V/m; Power Drift = -0.112 dB
Peak SAR (extrapolated) = 4.93 W/kg
SAR(1 g) = 4.43 mW/g; SAR(10 g) = 3.41 mW/g
Maximum value of SAR (measured) = 4.62 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

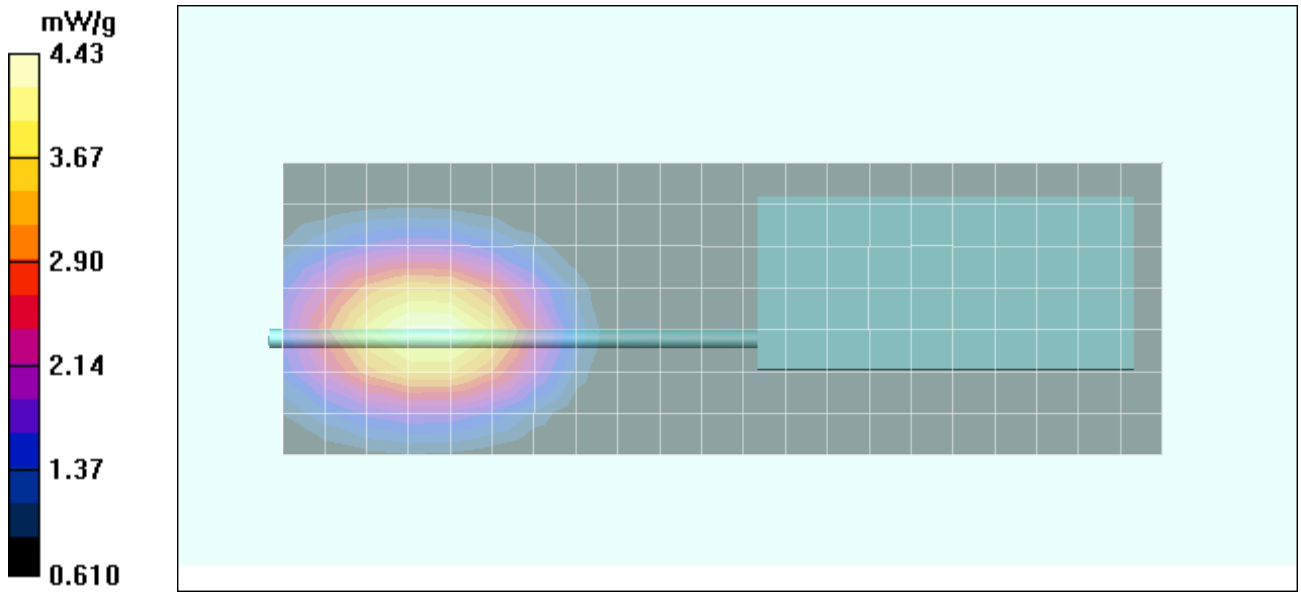
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.30 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.67 V/m; Power Drift = 0.369 dB
Peak SAR (extrapolated) = 4.95 W/kg
SAR(1 g) = 4.18 mW/g; SAR(10 g) = 3.07 mW/g
Maximum value of SAR (measured) = 4.43 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd IS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

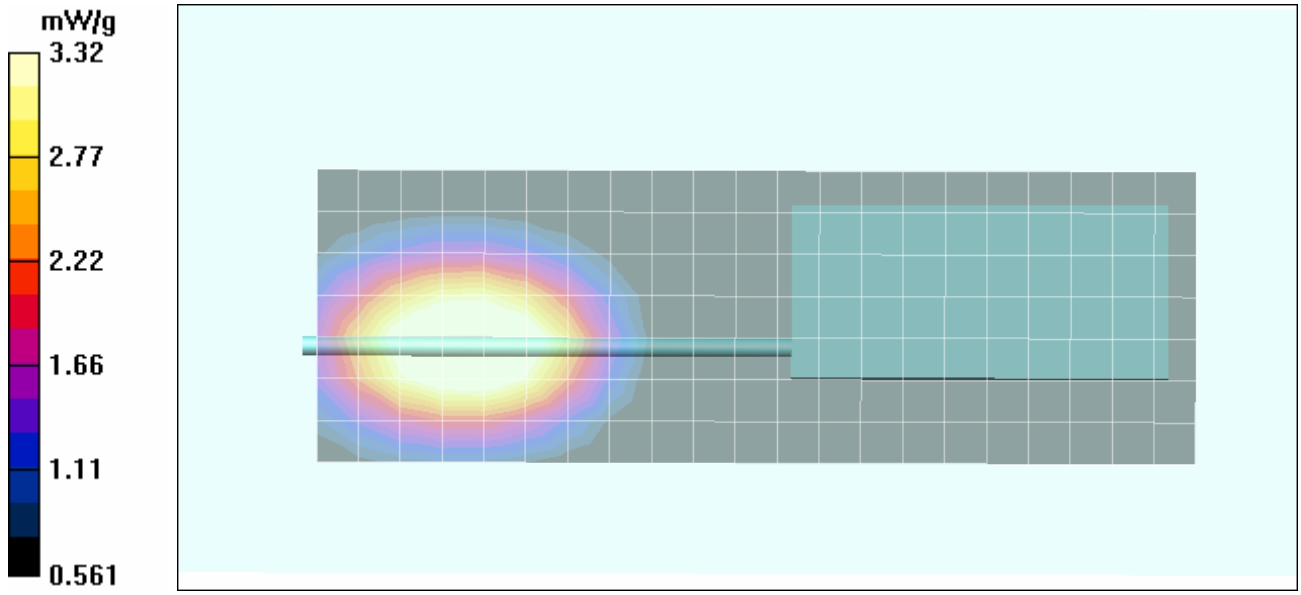
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.19 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.60 V/m; Power Drift = -0.235 dB
Peak SAR (extrapolated) = 3.74 W/kg
SAR(1 g) = 3.17 mW/g; SAR(10 g) = 2.38 mW/g
Maximum value of SAR (measured) = 3.32 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-MH NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

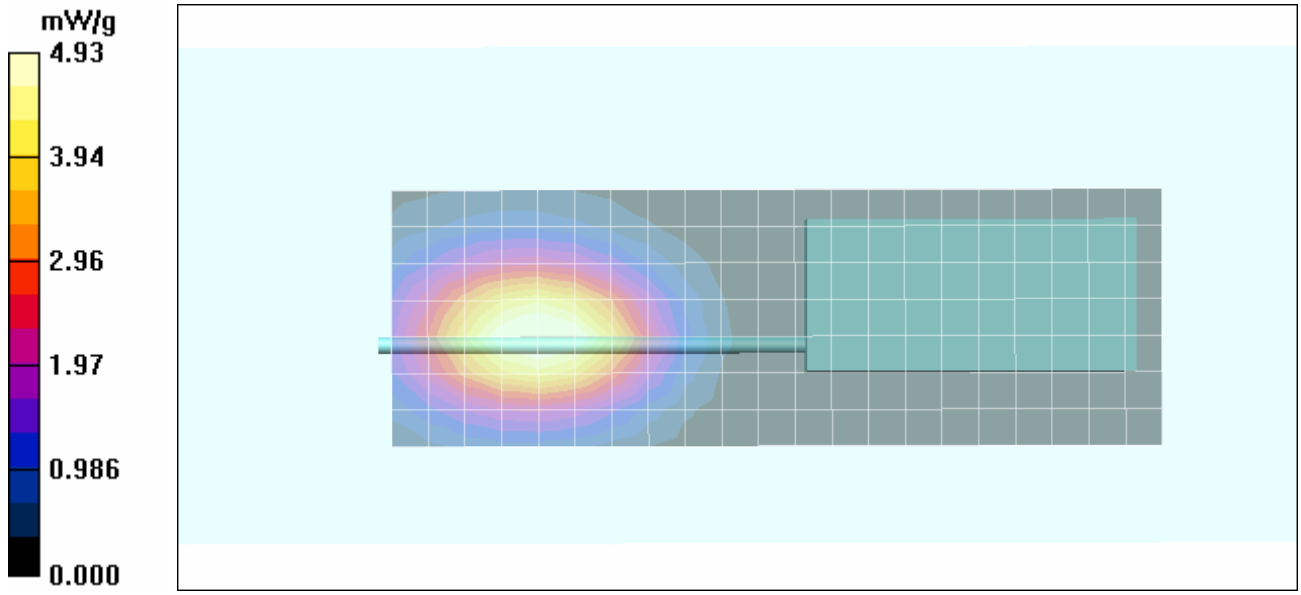
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

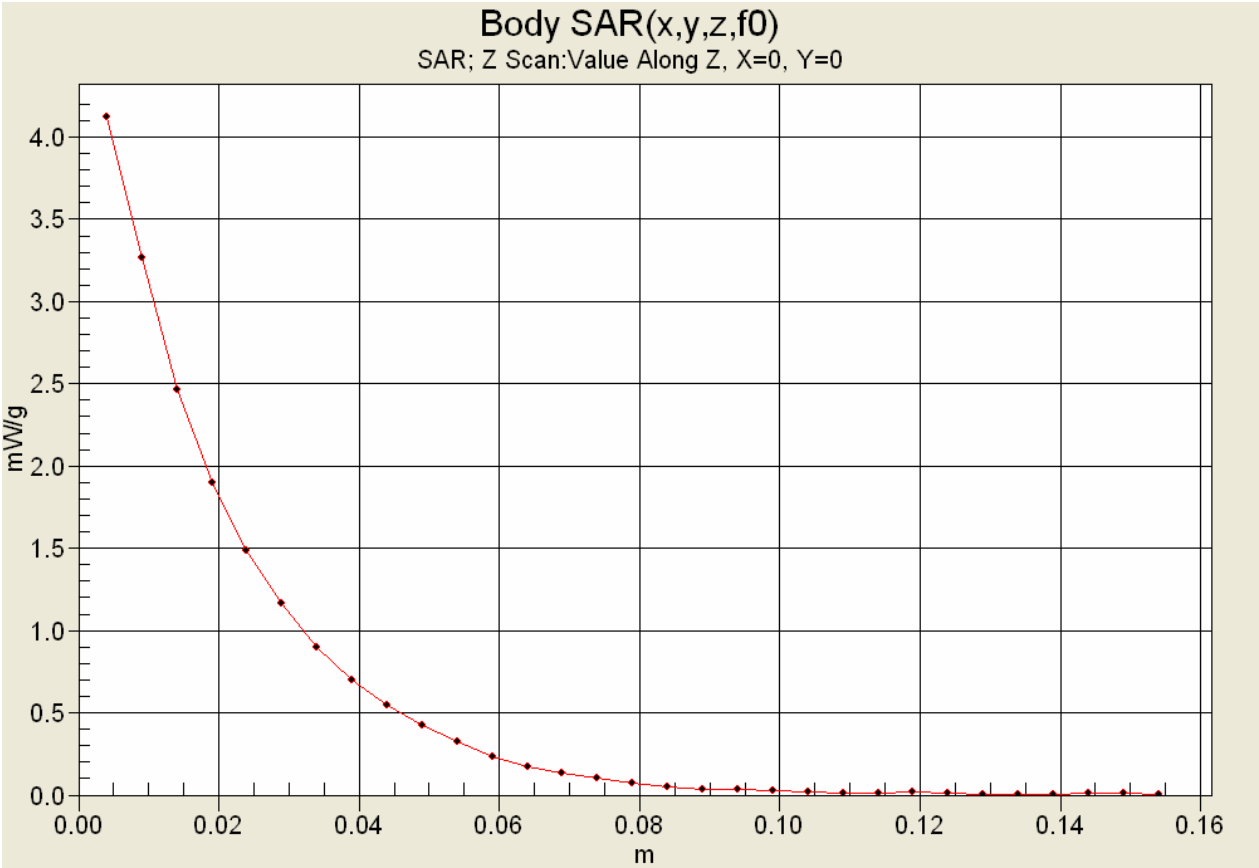
Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.43 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.91 V/m; Power Drift = -0.674 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 4.73 mW/g; SAR(10 g) = 3.15 mW/g
Maximum value of SAR (measured) = 4.93 mW/g



Z-Axis Scan


Body SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-MH IS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

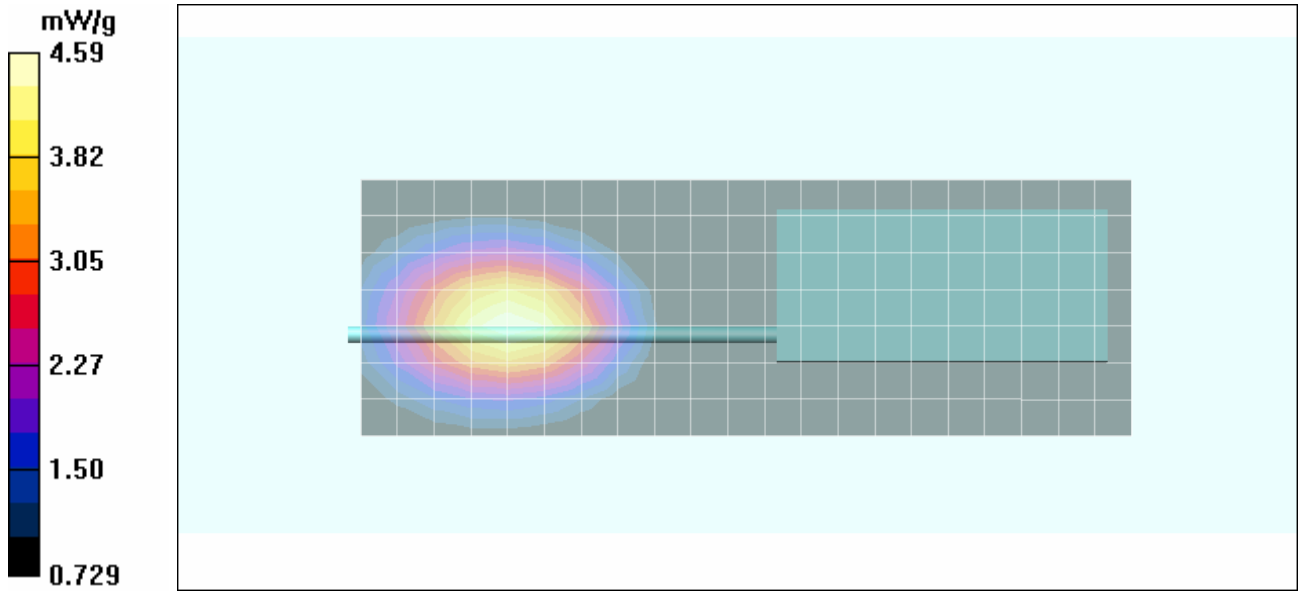
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.63 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.82 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 5.12 W/kg
SAR(1 g) = 4.33 mW/g; SAR(10 g) = 3.22 mW/g
Maximum value of SAR (measured) = 4.59 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Li-ion NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

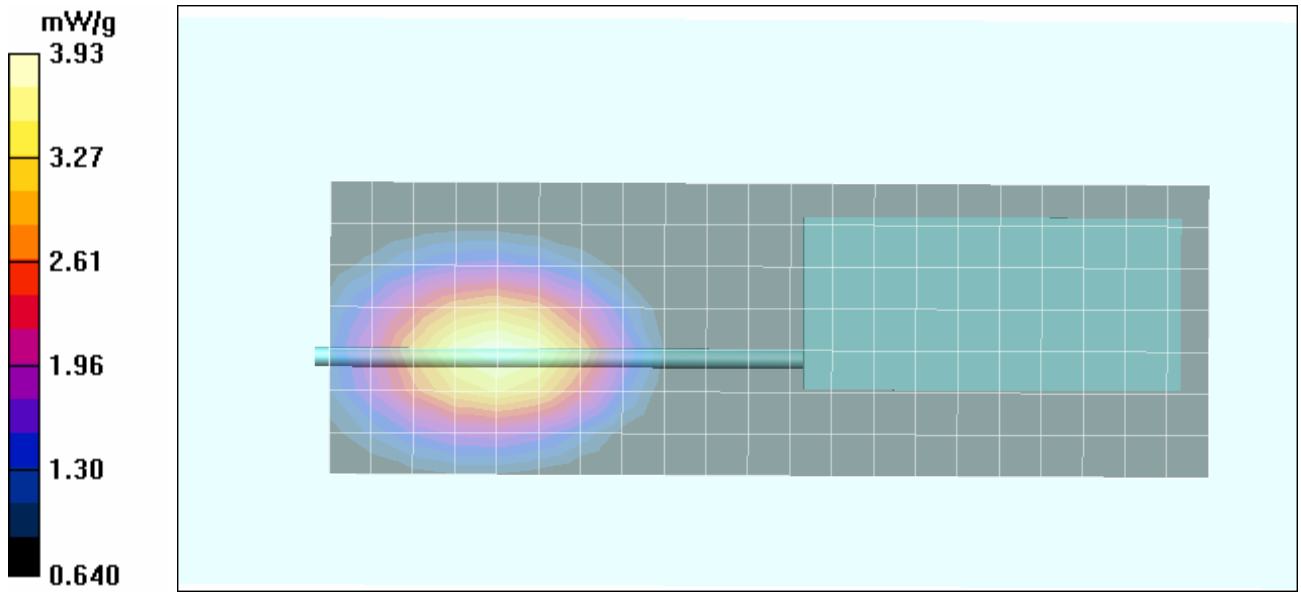
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.94 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.64 V/m; Power Drift = -0.072 dB
Peak SAR (extrapolated) = 4.38 W/kg
SAR(1 g) = 3.71 mW/g; SAR(10 g) = 2.77 mW/g
Maximum value of SAR (measured) = 3.93 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Li-ion IS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

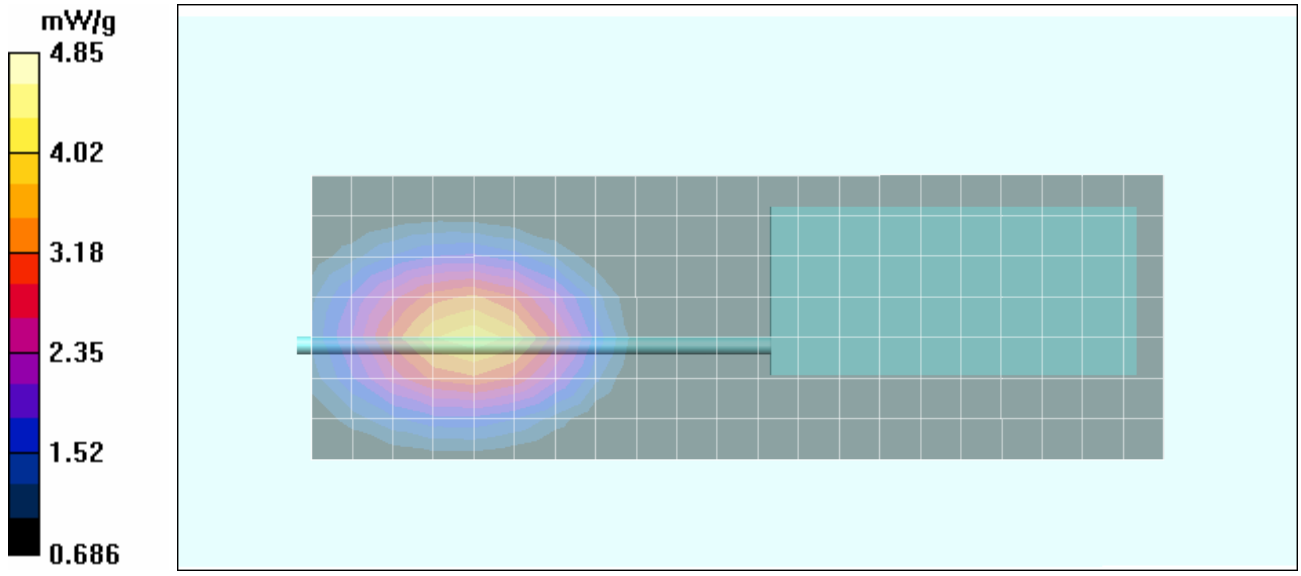
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.97 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.47 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 5.48 W/kg
SAR(1 g) = 4.59 mW/g; SAR(10 g) = 3.37 mW/g
Maximum value of SAR (measured) = 4.85 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

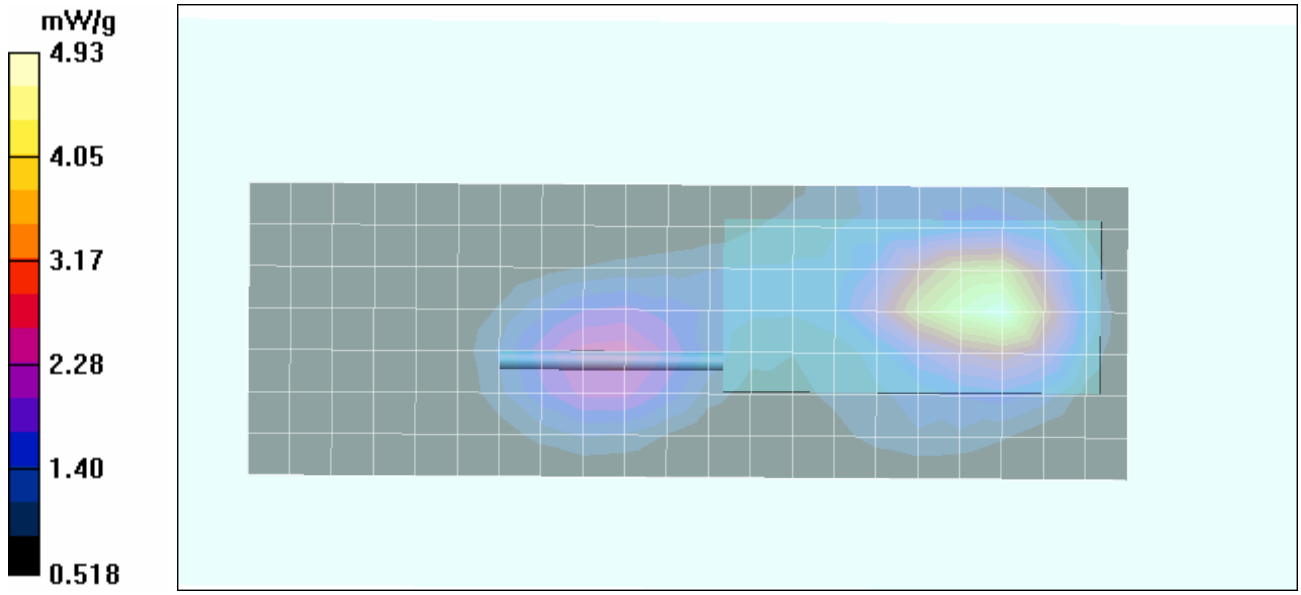
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.88 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.1 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 6.07 W/kg
SAR(1 g) = 4.64 mW/g; SAR(10 g) = 3.37 mW/g
Maximum value of SAR (measured) = 4.93 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd IS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

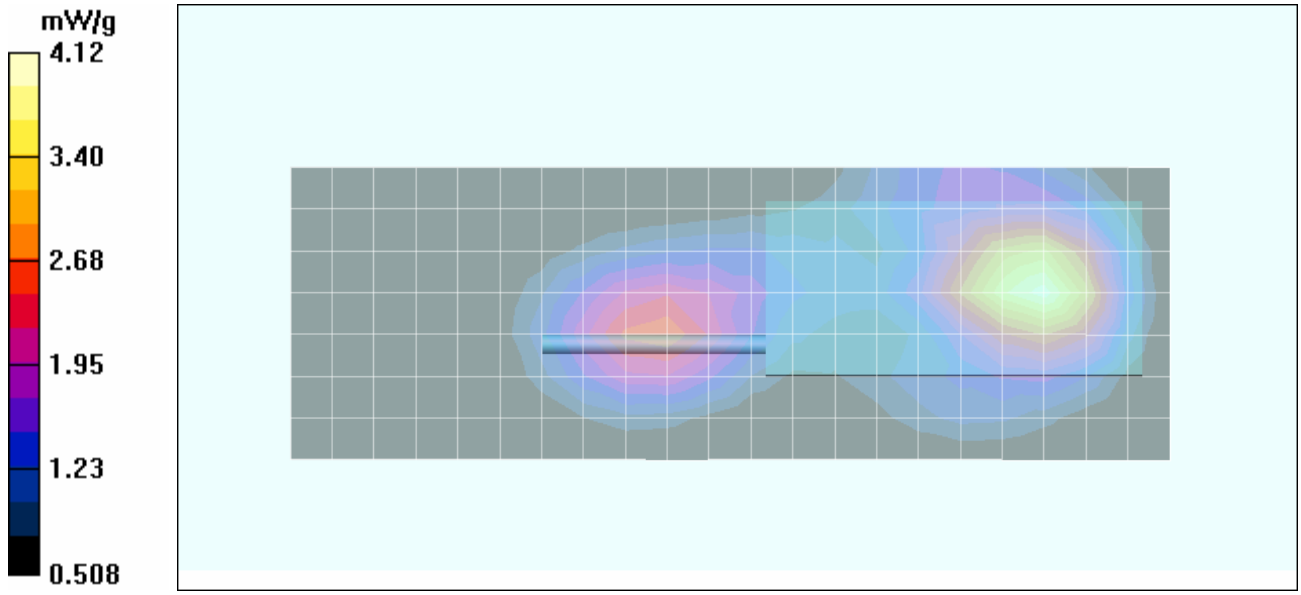
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.04 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.4 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 4.81 W/kg
SAR(1 g) = 3.89 mW/g; SAR(10 g) = 2.89 mW/g
Maximum value of SAR (measured) = 4.12 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

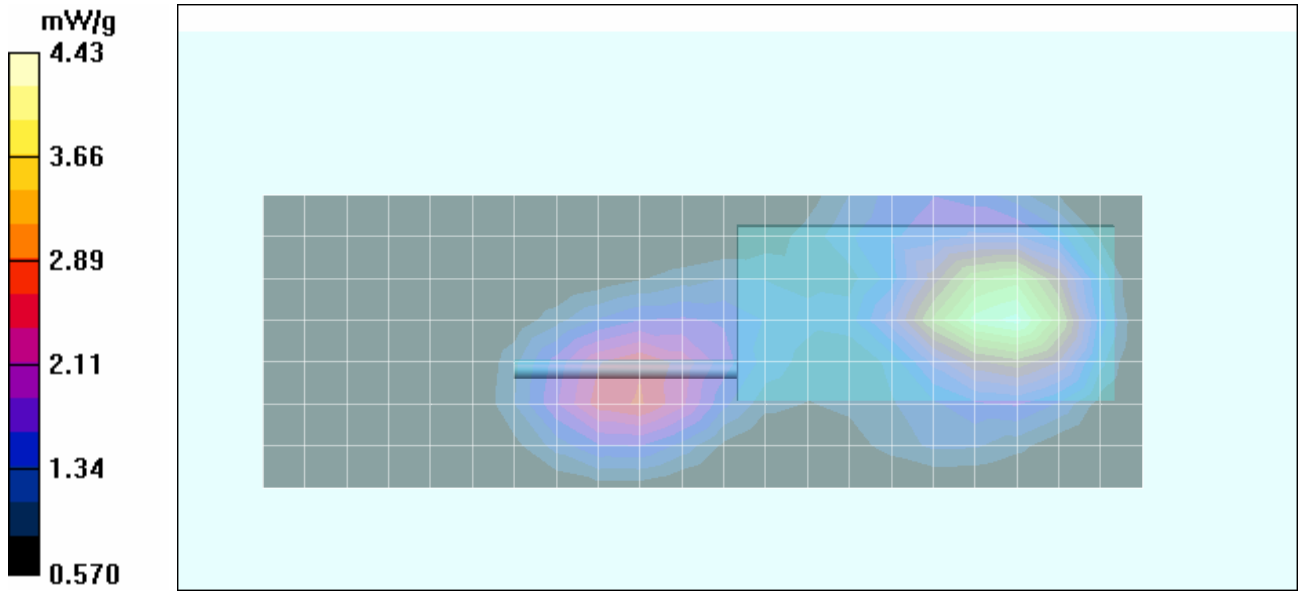
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.29 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.4 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 5.05 W/kg
SAR(1 g) = 4.18 mW/g; SAR(10 g) = 3.18 mW/g
Maximum value of SAR (measured) = 4.43 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH IS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

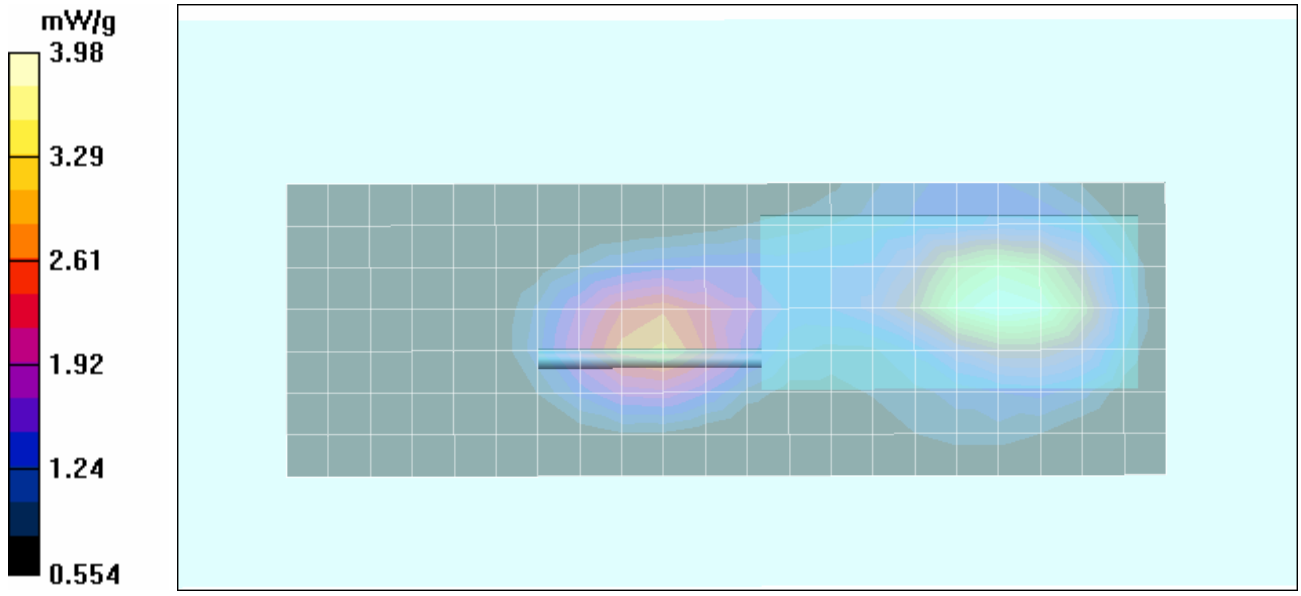
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.06 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.0 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 4.31 W/kg
SAR(1 g) = 3.82 mW/g; SAR(10 g) = 2.95 mW/g
Maximum value of SAR (measured) = 3.98 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.0 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.86 mW/g; SAR(10 g) = 2.06 mW/g
Maximum value of SAR (measured) = 3.05 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

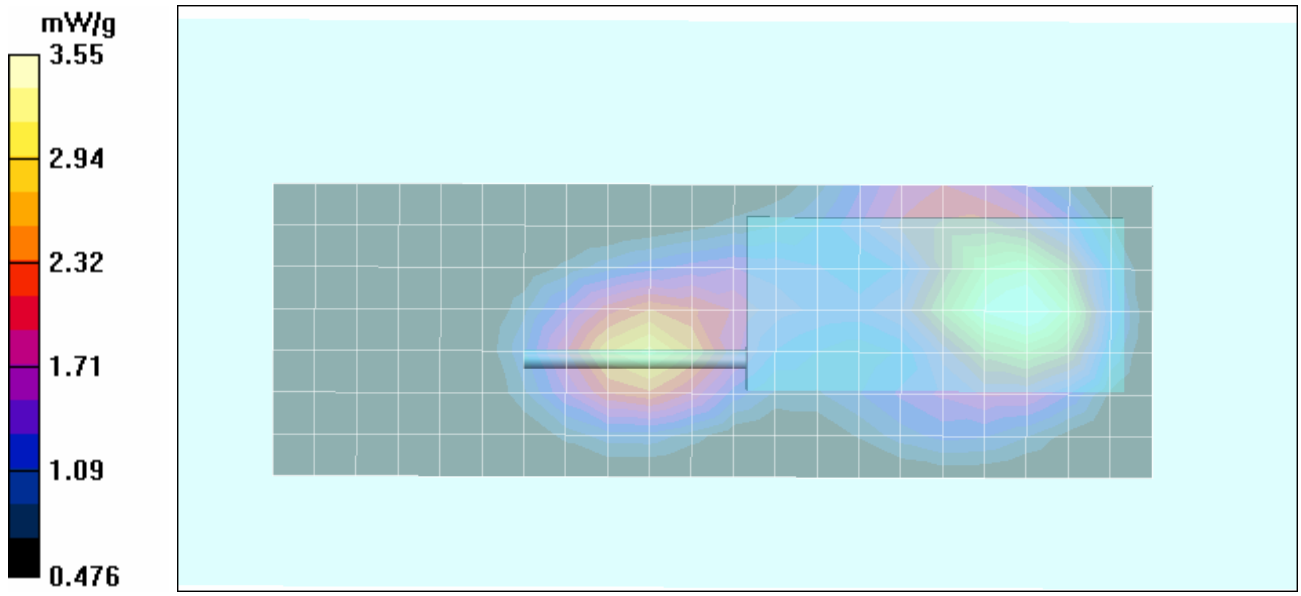
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.72 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.5 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 3.36 mW/g; SAR(10 g) = 2.59 mW/g
Maximum value of SAR (measured) = 3.55 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.5 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 3.33 W/kg
SAR(1 g) = 2.74 mW/g; SAR(10 g) = 1.97 mW/g
Maximum value of SAR (measured) = 2.92 mW/g



Date Tested: 03/25/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion IS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

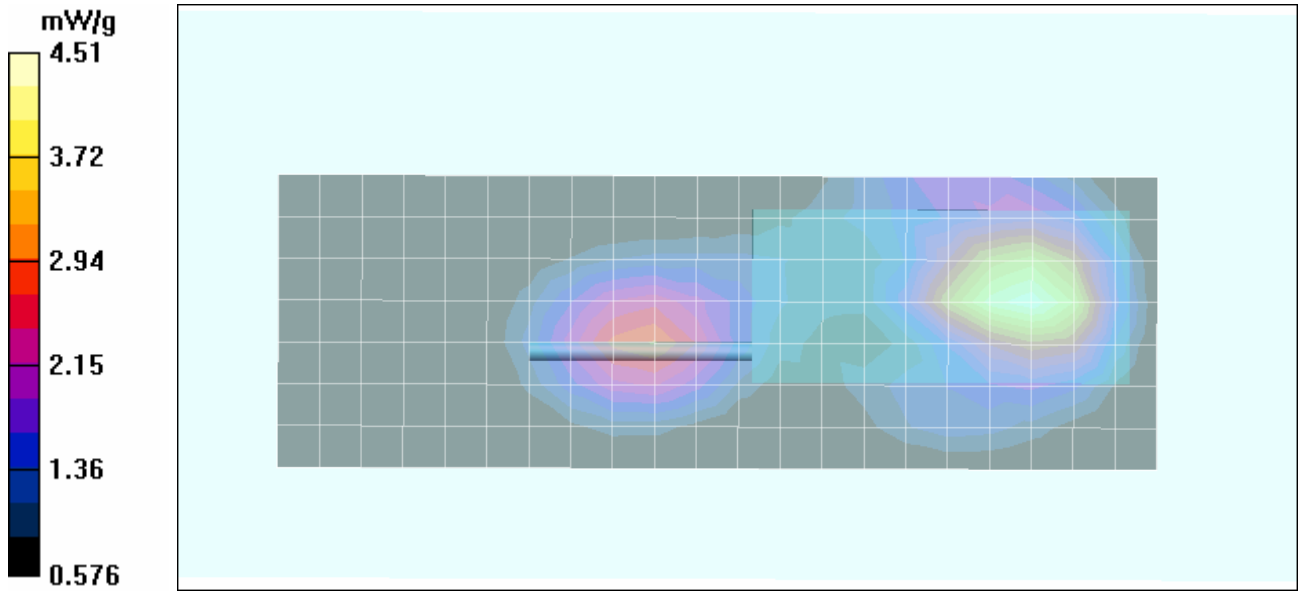
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.95 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.47 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.7 V/m; Power Drift = -0.087 dB
Peak SAR (extrapolated) = 5.13 W/kg
SAR(1 g) = 4.26 mW/g; SAR(10 g) = 3.22 mW/g
Maximum value of SAR (measured) = 4.51 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

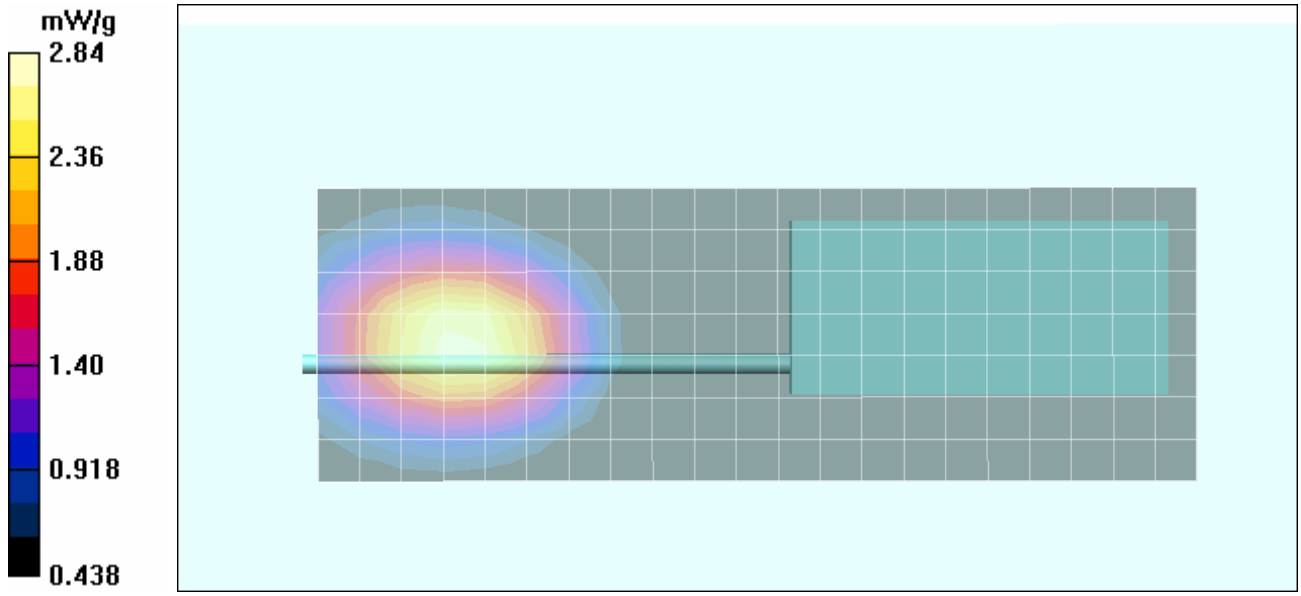
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.76 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.99 mW/g
Maximum value of SAR (measured) = 2.84 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd IS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

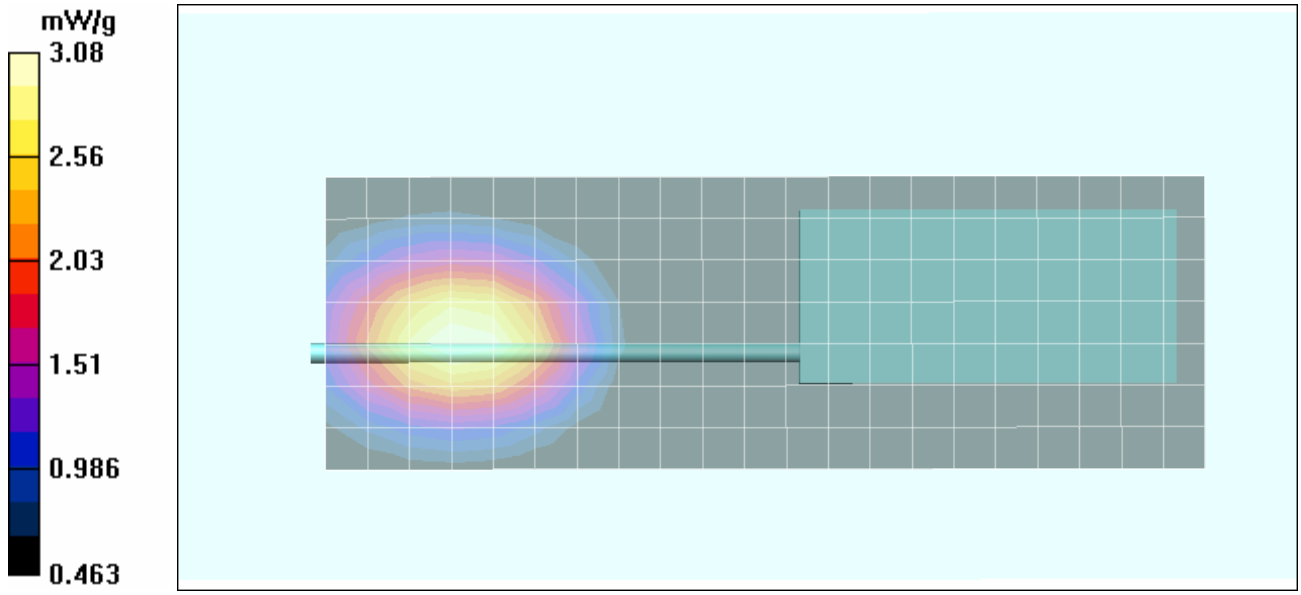
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.13 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.7 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.89 mW/g; SAR(10 g) = 2.14 mW/g
Maximum value of SAR (measured) = 3.08 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-MH NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

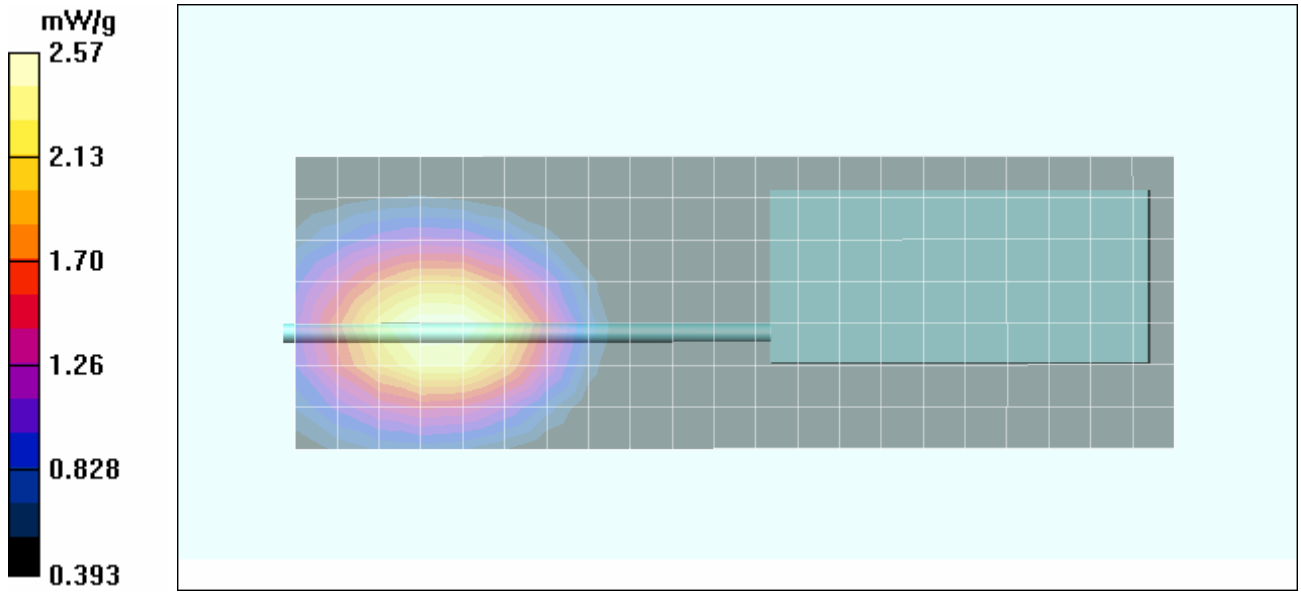
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.57 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = 0.029 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.81 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-MH IS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

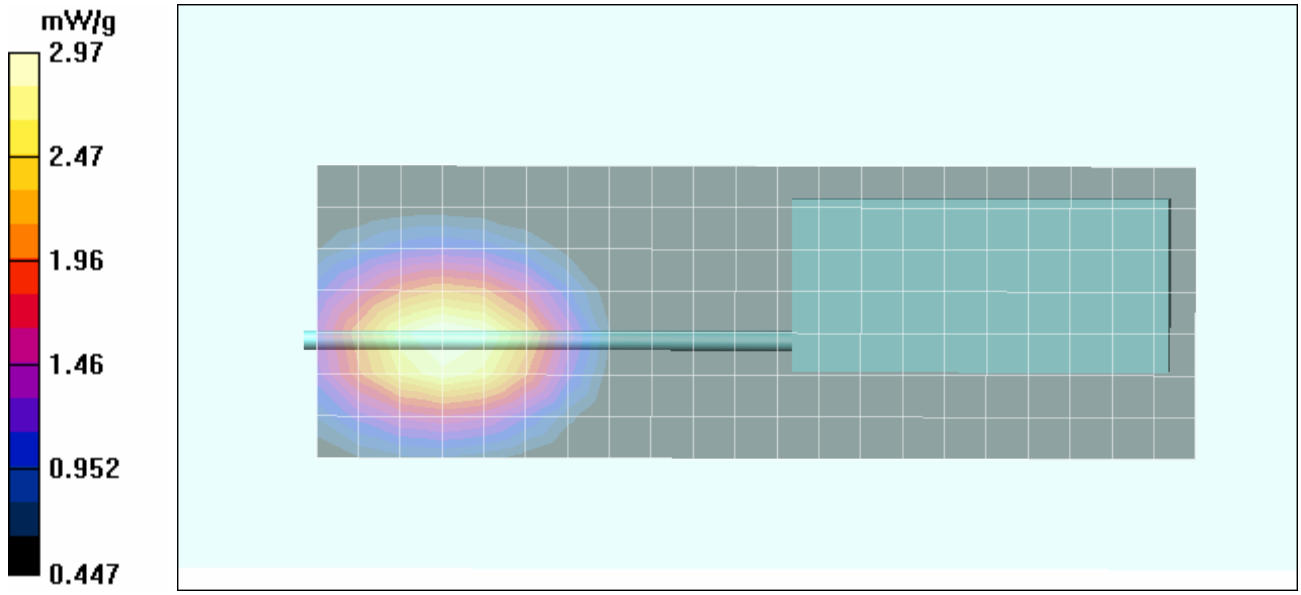
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.03 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.2 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 2.81 mW/g; SAR(10 g) = 2.08 mW/g
Maximum value of SAR (measured) = 2.97 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Li-ion NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

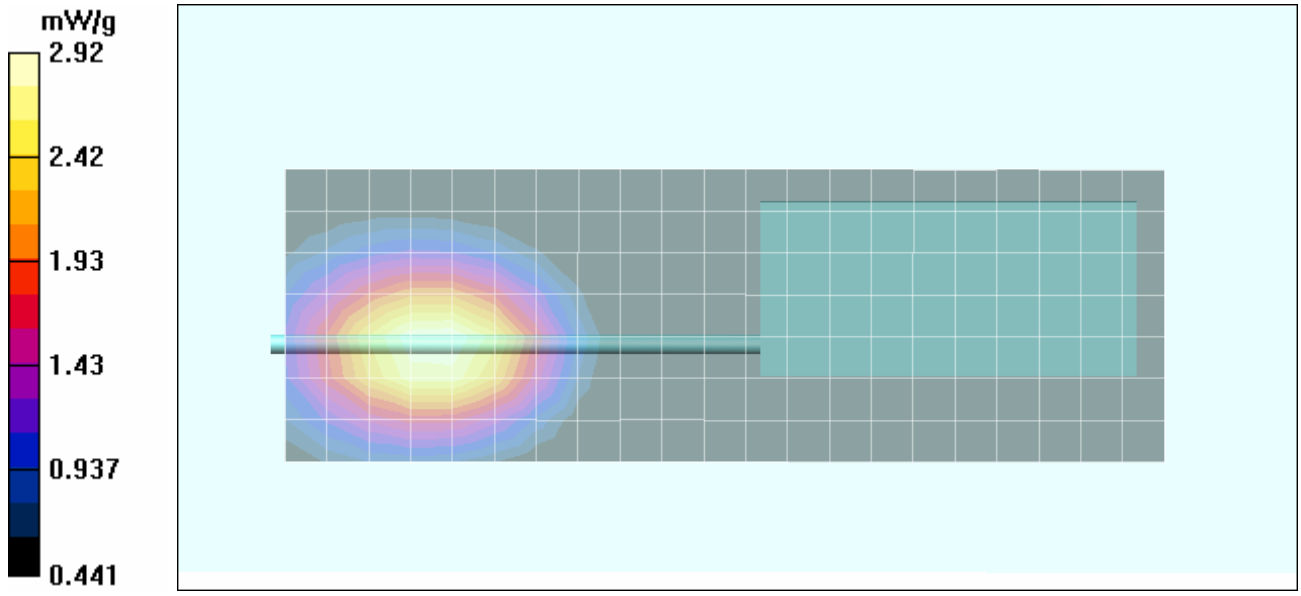
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.92 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = -0.099 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 2.75 mW/g; SAR(10 g) = 2.05 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Li-ion IS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

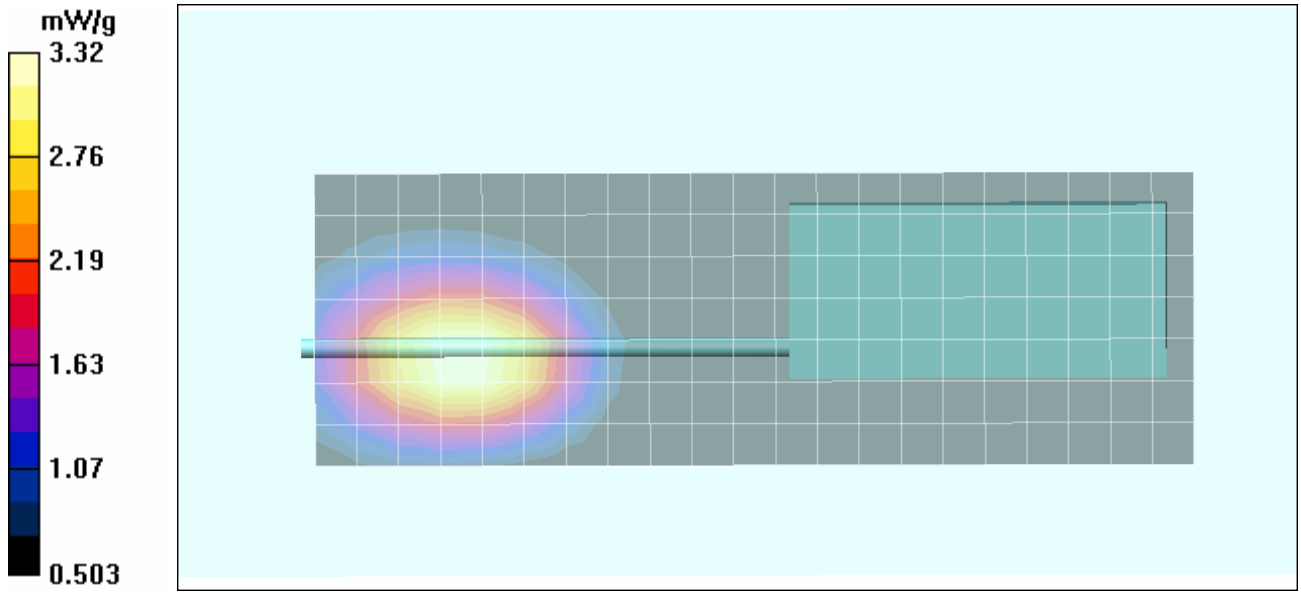
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.26 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.094 dB
Peak SAR (extrapolated) = 3.71 W/kg
SAR(1 g) = 3.12 mW/g; SAR(10 g) = 2.32 mW/g
Maximum value of SAR (measured) = 3.32 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

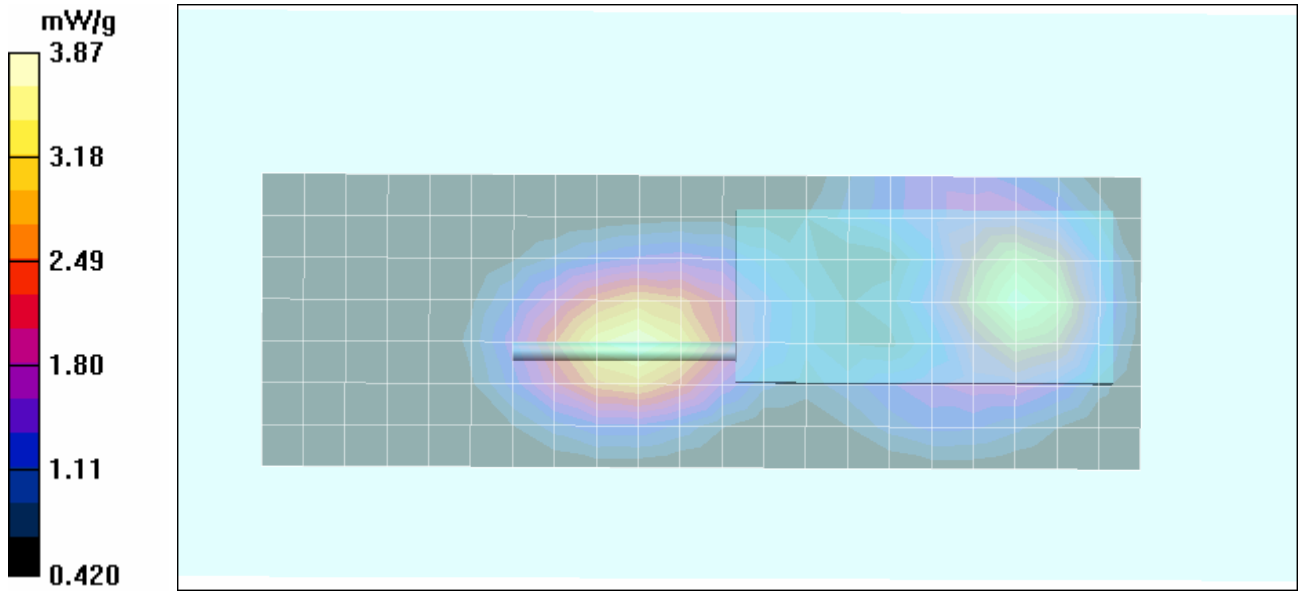
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.69 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.5 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 3.47 mW/g; SAR(10 g) = 2.5 mW/g
Maximum value of SAR (measured) = 3.70 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.5 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 4.45 W/kg
SAR(1 g) = 3.61 mW/g; SAR(10 g) = 2.58 mW/g
Maximum value of SAR (measured) = 3.87 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd IS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

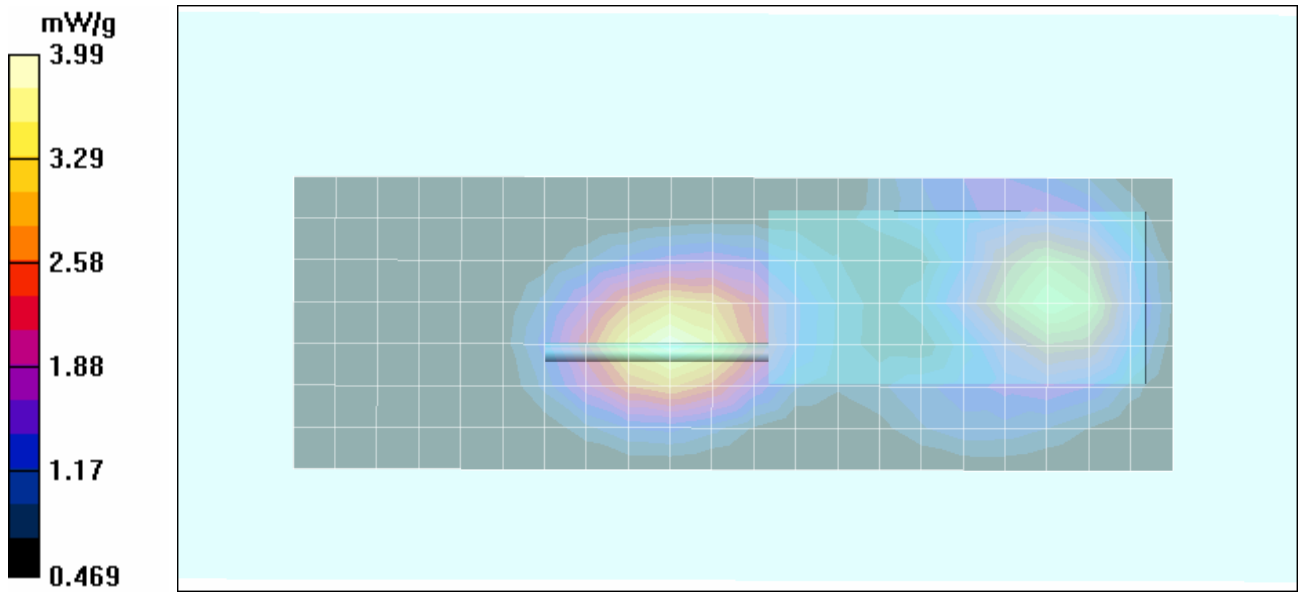
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.95 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.3 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 4.52 W/kg
SAR(1 g) = 3.74 mW/g; SAR(10 g) = 2.69 mW/g
Maximum value of SAR (measured) = 3.99 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.3 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 4.32 W/kg
SAR(1 g) = 3.53 mW/g; SAR(10 g) = 2.57 mW/g
Maximum value of SAR (measured) = 3.77 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

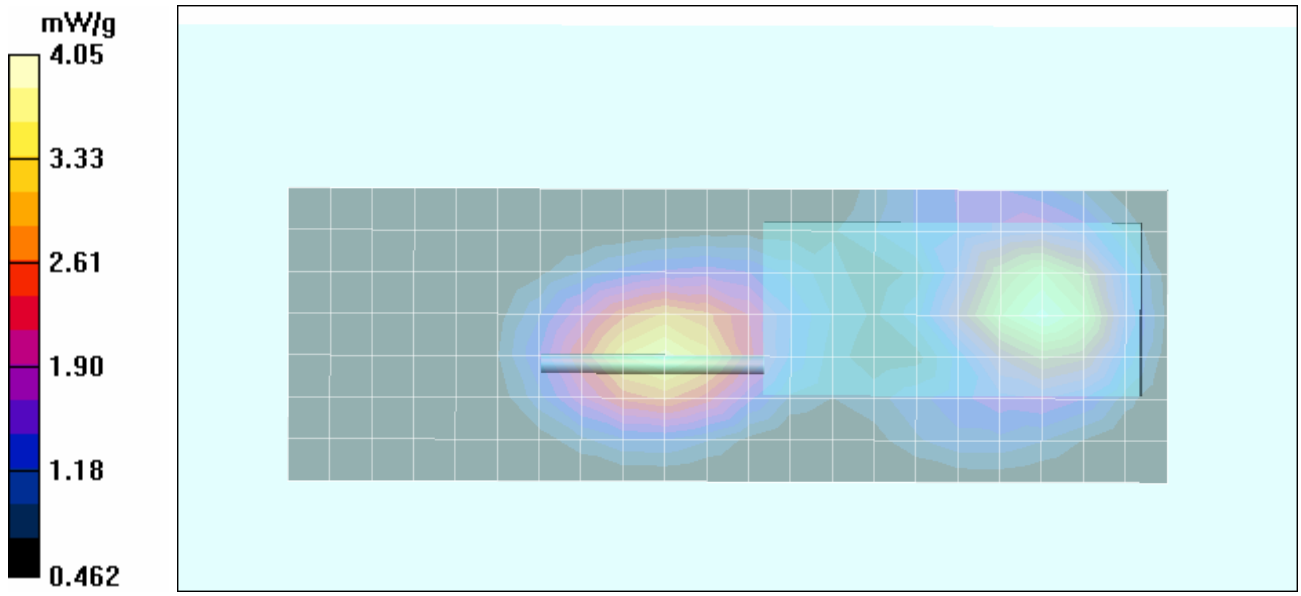
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

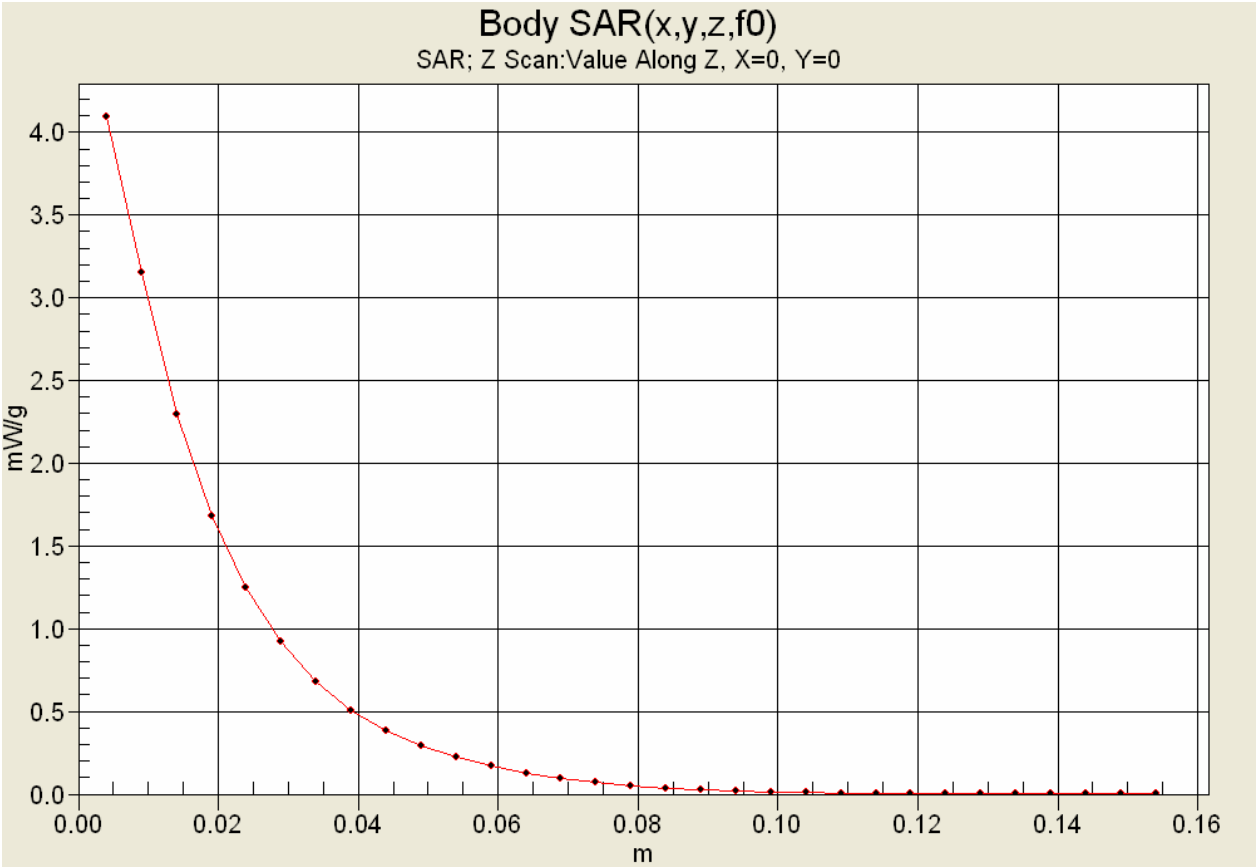
Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.91 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 4.70 W/kg
SAR(1 g) = 3.84 mW/g; SAR(10 g) = 2.83 mW/g
Maximum value of SAR (measured) = 4.05 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 4.23 W/kg
SAR(1 g) = 3.5 mW/g; SAR(10 g) = 2.52 mW/g
Maximum value of SAR (measured) = 3.75 mW/g



Z-Axis Scan


Body SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH IS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

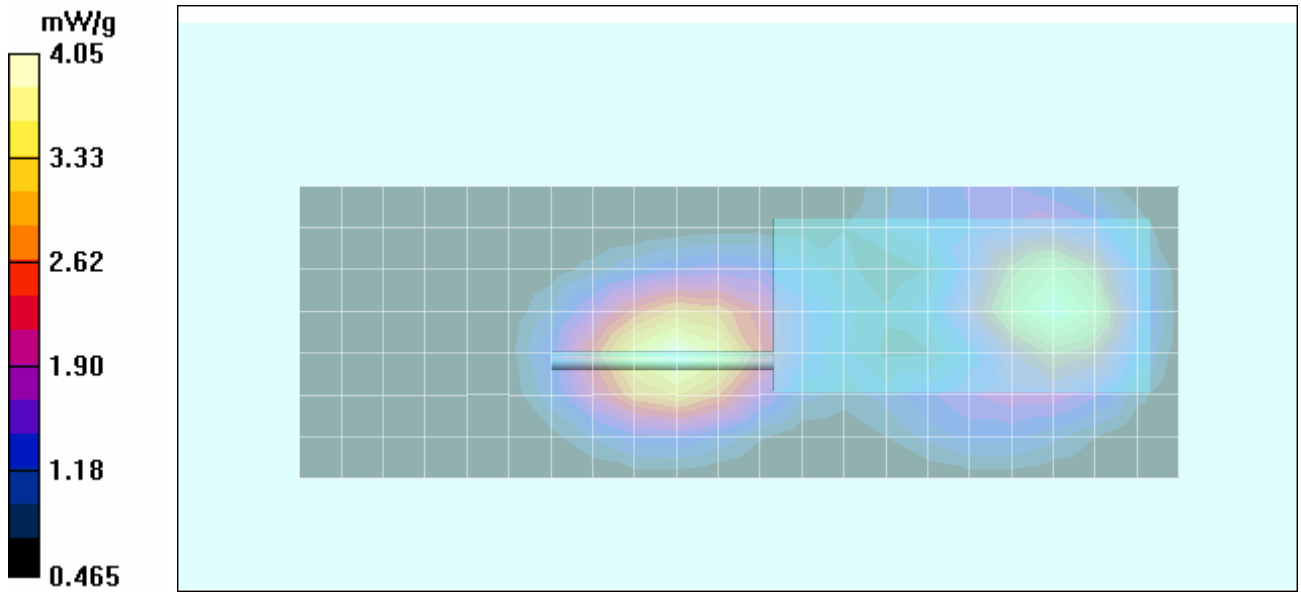
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.01 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.9 V/m; Power Drift = -0.228 dB
Peak SAR (extrapolated) = 4.64 W/kg
SAR(1 g) = 3.8 mW/g; SAR(10 g) = 2.71 mW/g
Maximum value of SAR (measured) = 4.05 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.9 V/m; Power Drift = -0.228 dB
Peak SAR (extrapolated) = 4.47 W/kg
SAR(1 g) = 3.65 mW/g; SAR(10 g) = 2.67 mW/g
Maximum value of SAR (measured) = 3.84 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

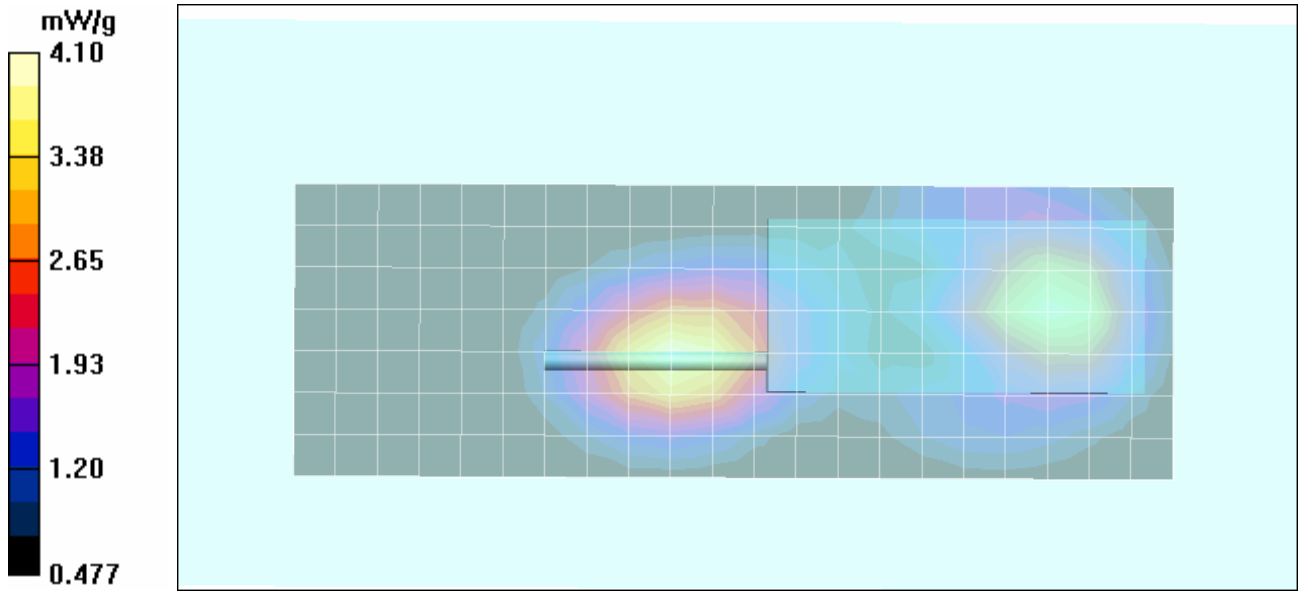
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.01 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.7 V/m; Power Drift = -0.246 dB
Peak SAR (extrapolated) = 4.64 W/kg
SAR(1 g) = 3.83 mW/g; SAR(10 g) = 2.75 mW/g
Maximum value of SAR (measured) = 4.10 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.7 V/m; Power Drift = -0.246 dB
Peak SAR (extrapolated) = 4.51 W/kg
SAR(1 g) = 3.76 mW/g; SAR(10 g) = 2.78 mW/g
Maximum value of SAR (measured) = 3.97 mW/g



Date Tested: 03/26/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion IS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

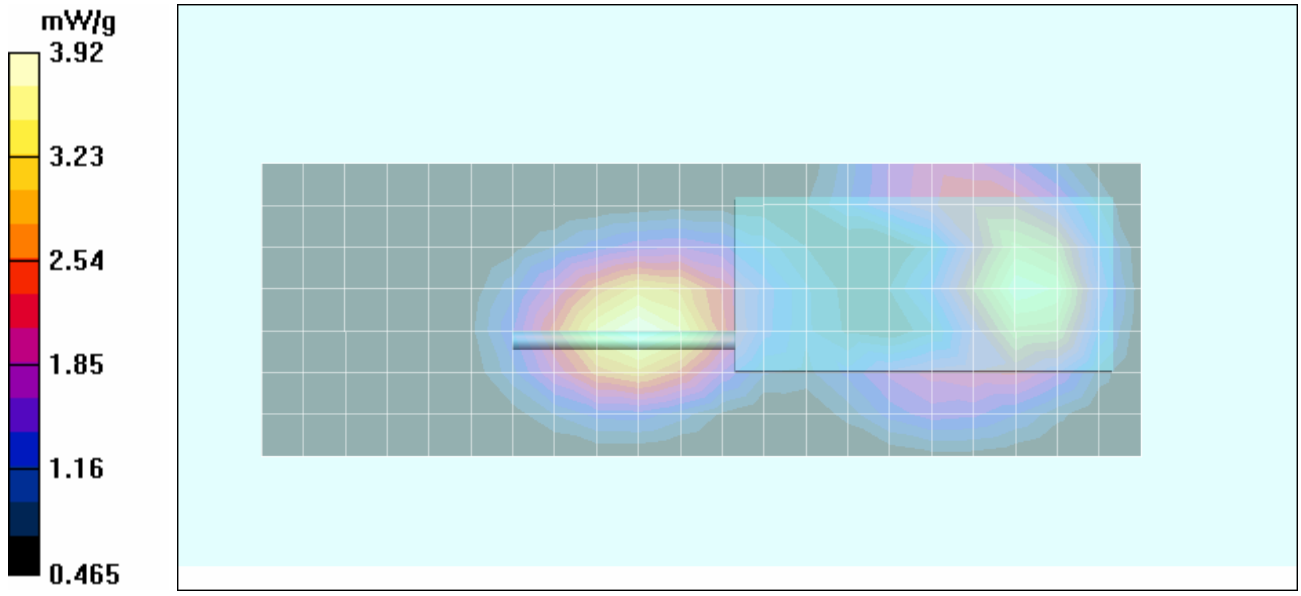
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 24.5°C; Fluid Temp: 23.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1.01 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.98 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.8 V/m; Power Drift = -0.257 dB
Peak SAR (extrapolated) = 4.43 W/kg
SAR(1 g) = 3.68 mW/g; SAR(10 g) = 2.65 mW/g
Maximum value of SAR (measured) = 3.92 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.8 V/m; Power Drift = -0.257 dB
Peak SAR (extrapolated) = 4.48 W/kg
SAR(1 g) = 3.59 mW/g; SAR(10 g) = 2.56 mW/g
Maximum value of SAR (measured) = 3.86 mW/g



Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

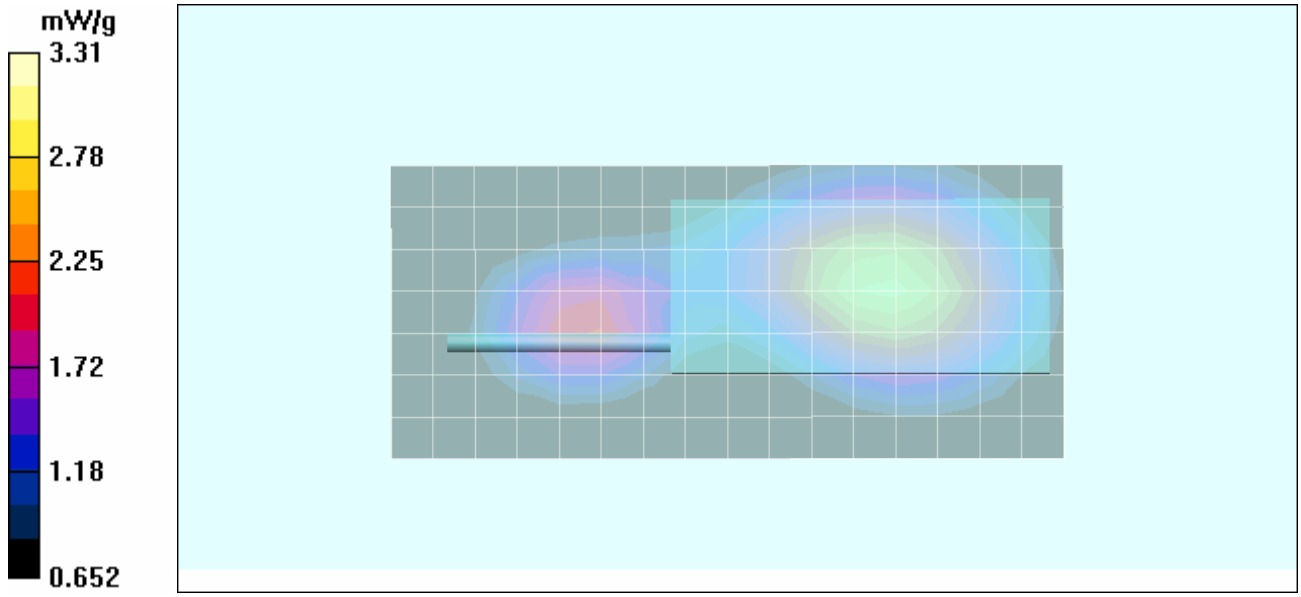
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

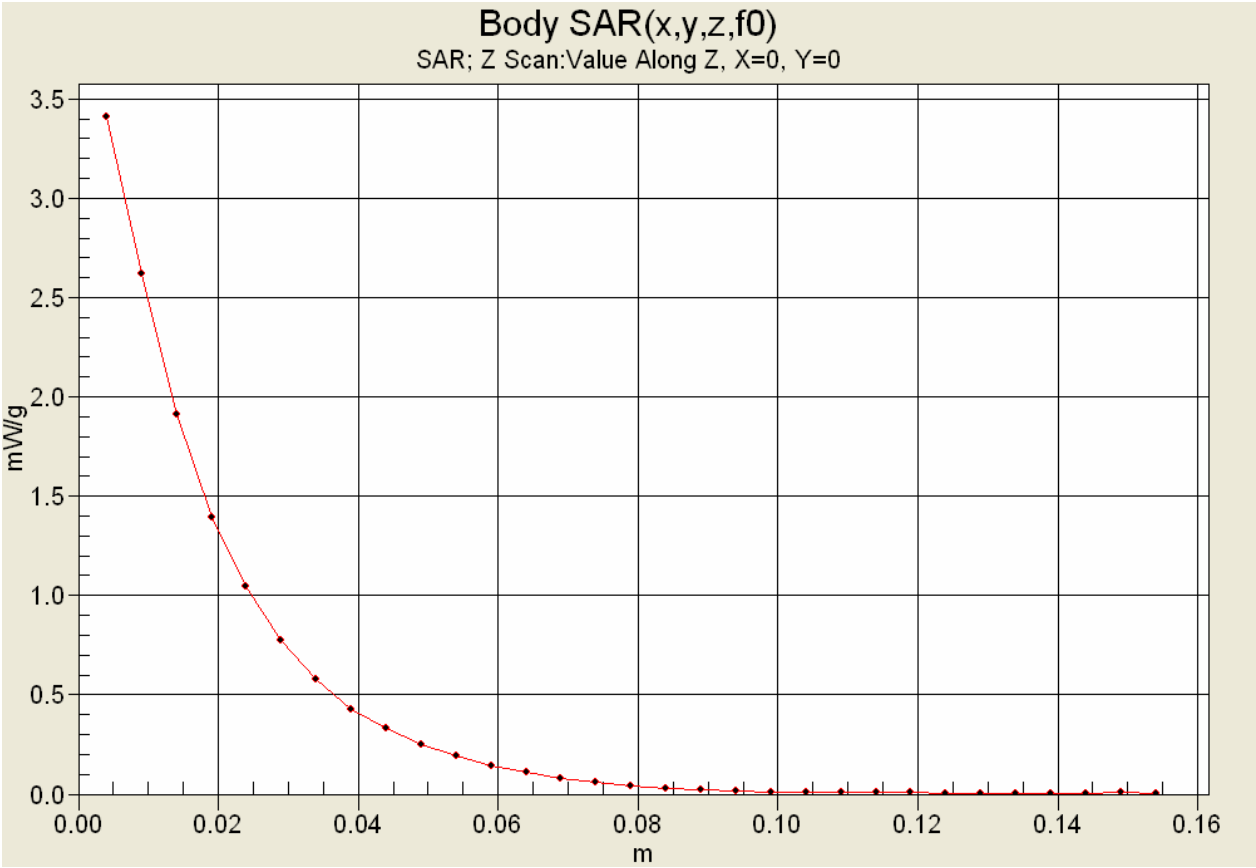
Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.92 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.86 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.7 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 3.53 W/kg
SAR(1 g) = 3.15 mW/g; SAR(10 g) = 2.45 mW/g
Maximum value of SAR (measured) = 3.31 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.7 V/m; Power Drift = 0.008 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 2.21 mW/g; SAR(10 g) = 1.61 mW/g
Maximum value of SAR (measured) = 2.35 mW/g



Z-Axis Scan


Body SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

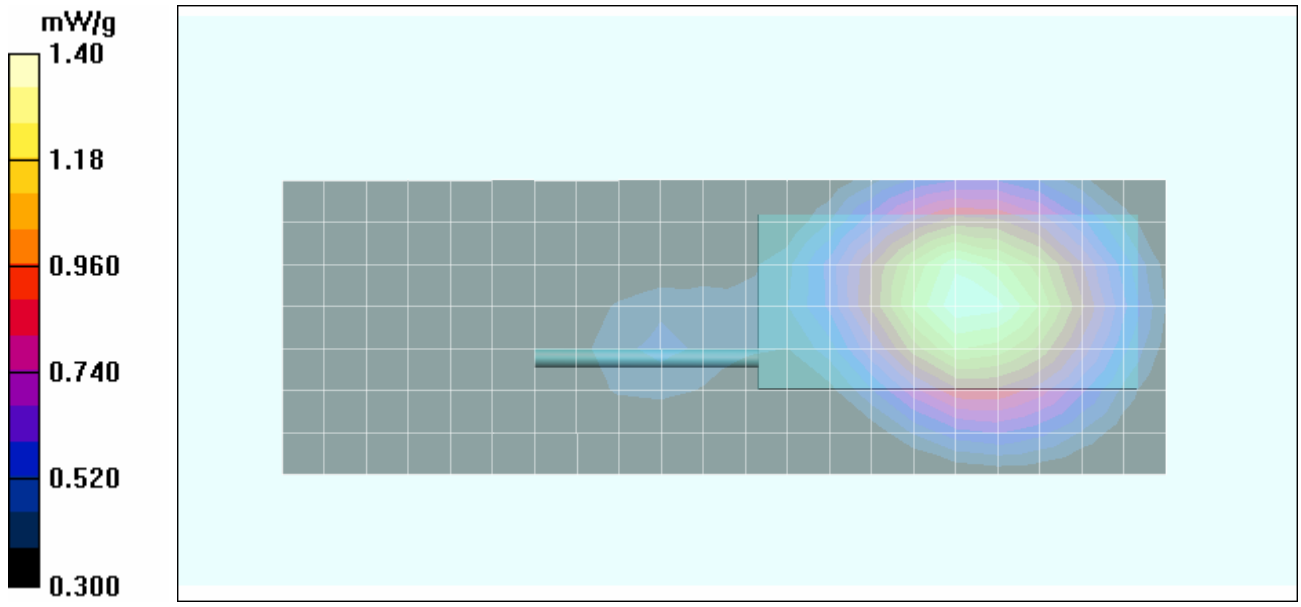
Body-worn Accessory: Nylon Case with Belt Loop Kit (P/N: KT-016201-001)
Audio Accessory: Speaker-Microphone (P/N: MC-023933-001)

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.92 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Nylon Case & Belt Loop Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.38 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 1.33 mW/g; SAR(10 g) = 1.04 mW/g
Maximum value of SAR (measured) = 1.40 mW/g



Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

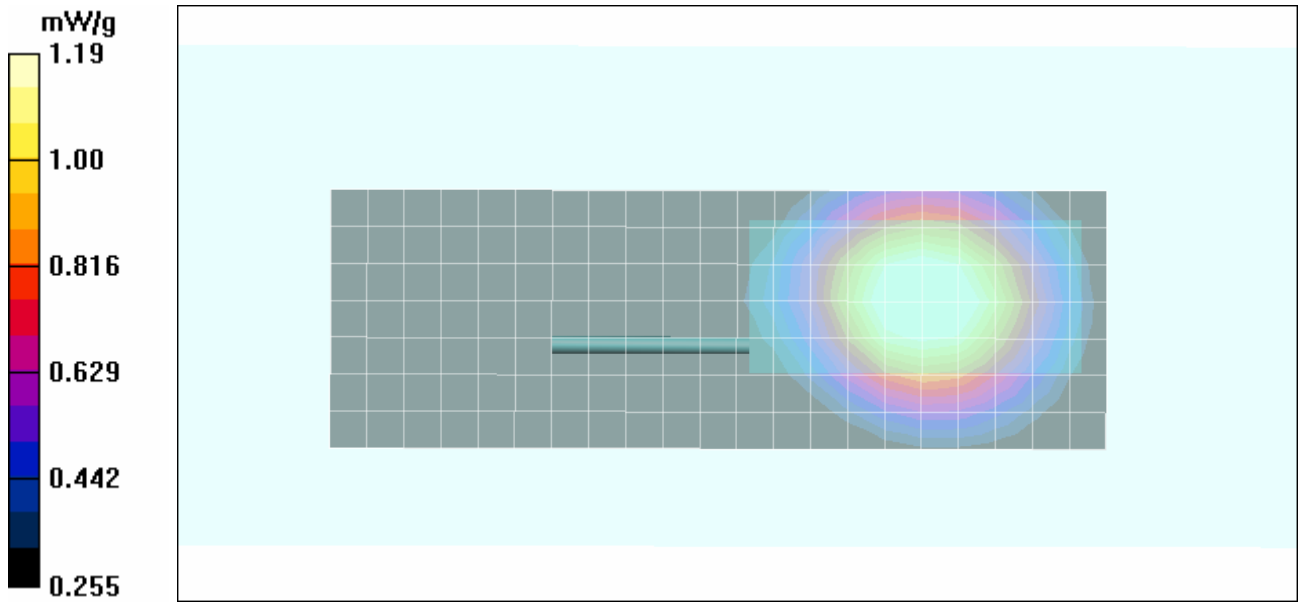
Body-worn Accessory: Leather Case with Belt Loop Kit (P/N: KT-016201-003)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.92 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.0 cm Leather Case & Belt Loop Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.33 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = 0.010 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.885 mW/g
Maximum value of SAR (measured) = 1.19 mW/g



Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

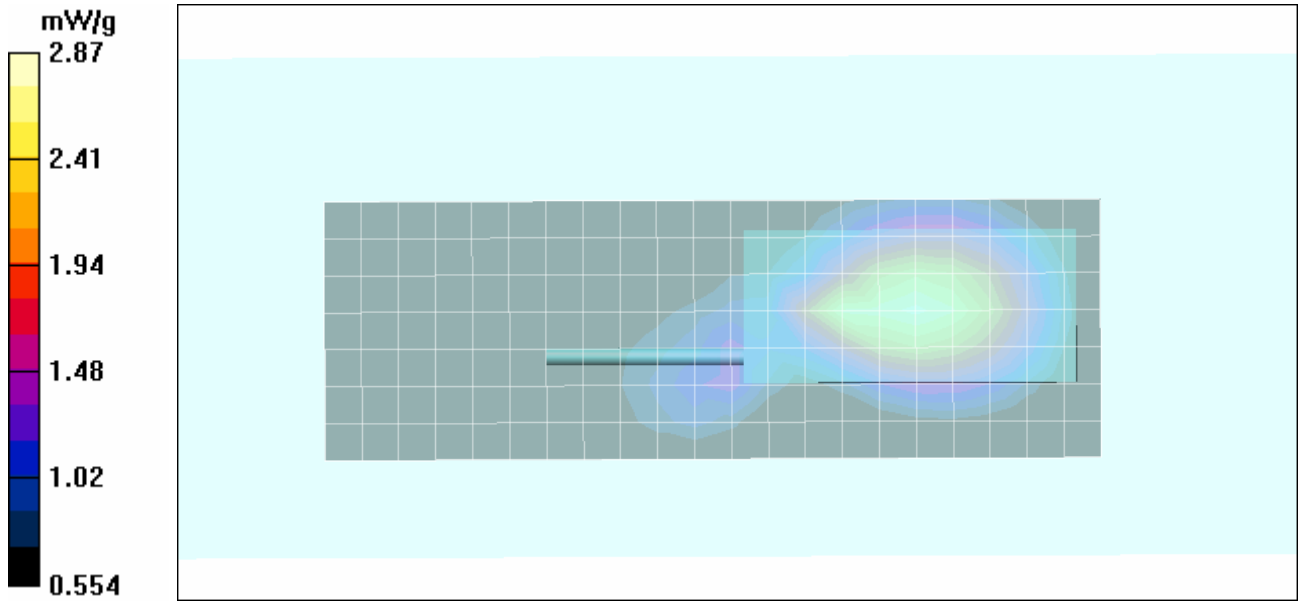
Body-worn Accessory: Leather Case with Shoulder Strap Kit (P/N: KT-016201-004)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.92 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.5 cm Leather Case Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.78 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = -0.164 dB
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 2.75 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (measured) = 2.87 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.4 V/m; Power Drift = -0.164 dB
Peak SAR (extrapolated) = 5.20 W/kg
SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.95 mW/g
Maximum value of SAR (measured) = 2.95 mW/g



Date Tested: 04/14/2009

Body-worn SAR - SMA - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 770.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

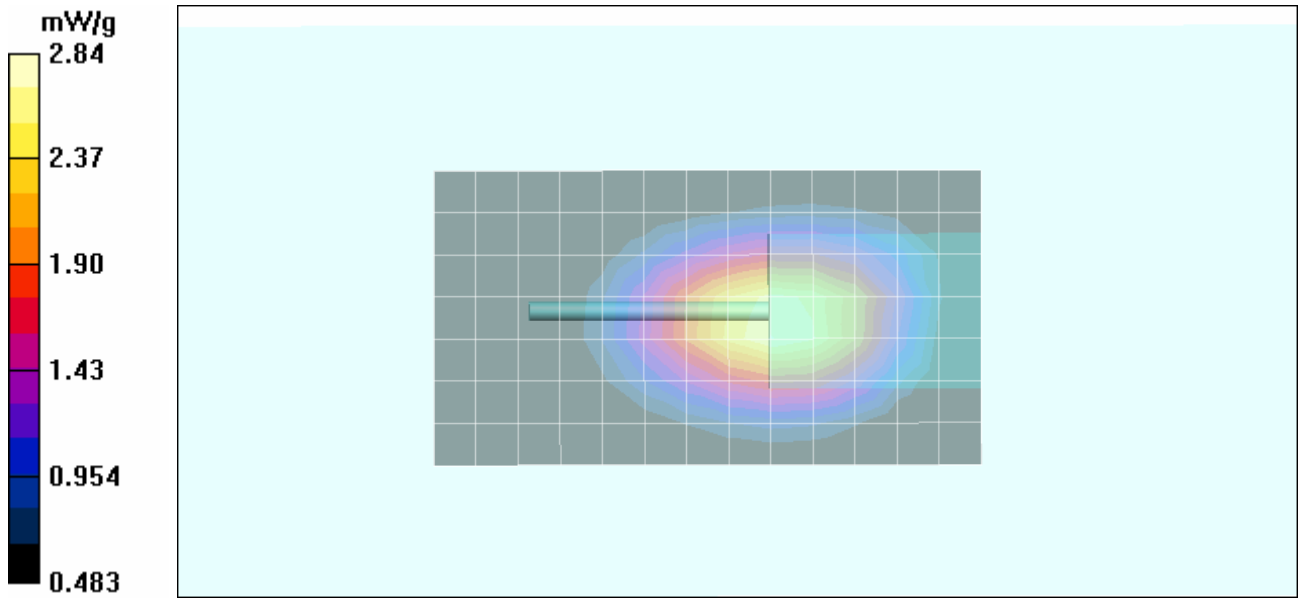
Body-worn Accessory: Speaker-Microphone Antenna Version with Lapel-Clip (P/N: MC-023933-002)
Audio Accessory: Earphone (P/N: LS103239V1)

Ambient Temp: 22.3°C; Fluid Temp: 21.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 770 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 770 MHz; σ = 0.92 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Lapel Clip Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.70 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 58.9 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 3.12 W/kg
SAR(1 g) = 2.67 mW/g; SAR(10 g) = 2.01 mW/g
Maximum value of SAR (measured) = 2.84 mW/g



Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

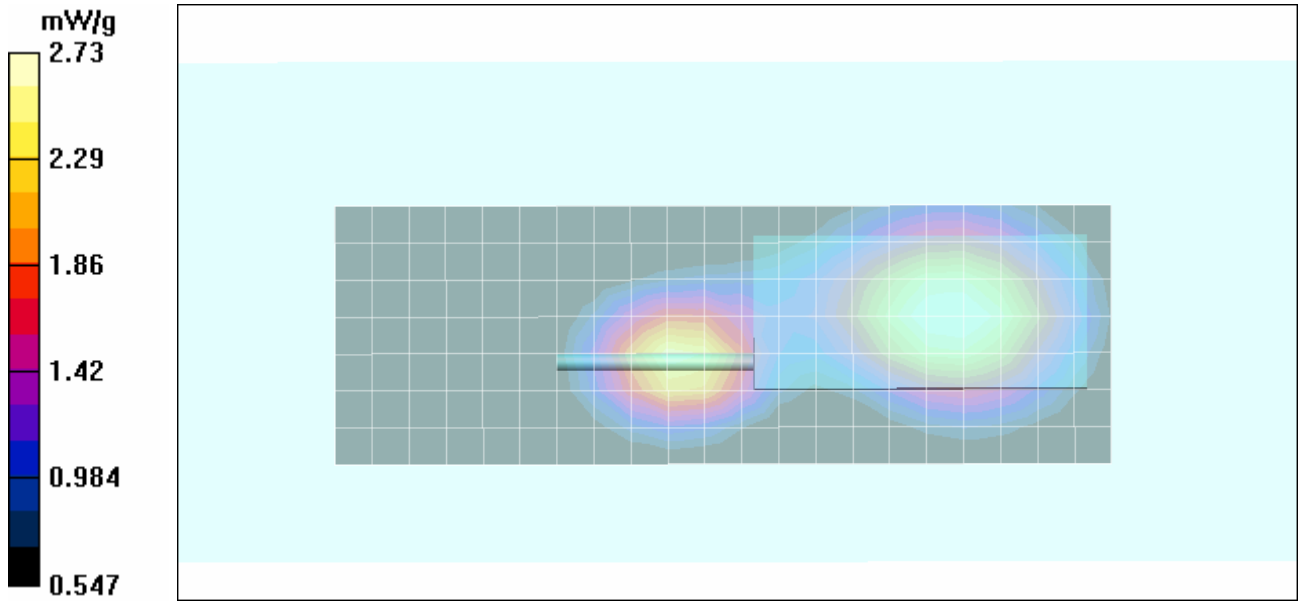
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 57.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.84 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.3 V/m; Power Drift = -0.528 dB
Peak SAR (extrapolated) = 2.91 W/kg
SAR(1 g) = 2.6 mW/g; SAR(10 g) = 2.03 mW/g
Maximum value of SAR (measured) = 2.73 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.3 V/m; Power Drift = -0.528 dB
Peak SAR (extrapolated) = 3.00 W/kg
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.78 mW/g
Maximum value of SAR (measured) = 2.63 mW/g



Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

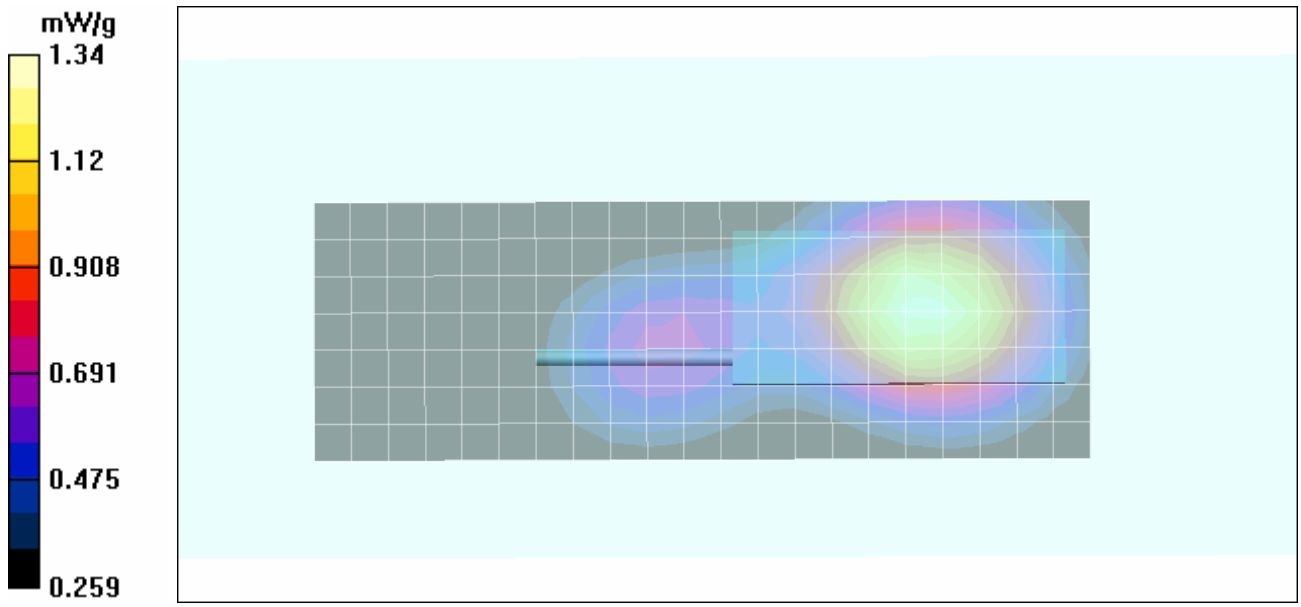
Body-worn Accessory: Nylon Case with Belt Loop Kit (P/N: KT-016201-001)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 57.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Nylon Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.31 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.6 V/m; Power Drift = -0.286 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.987 mW/g
Maximum value of SAR (measured) = 1.34 mW/g



Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

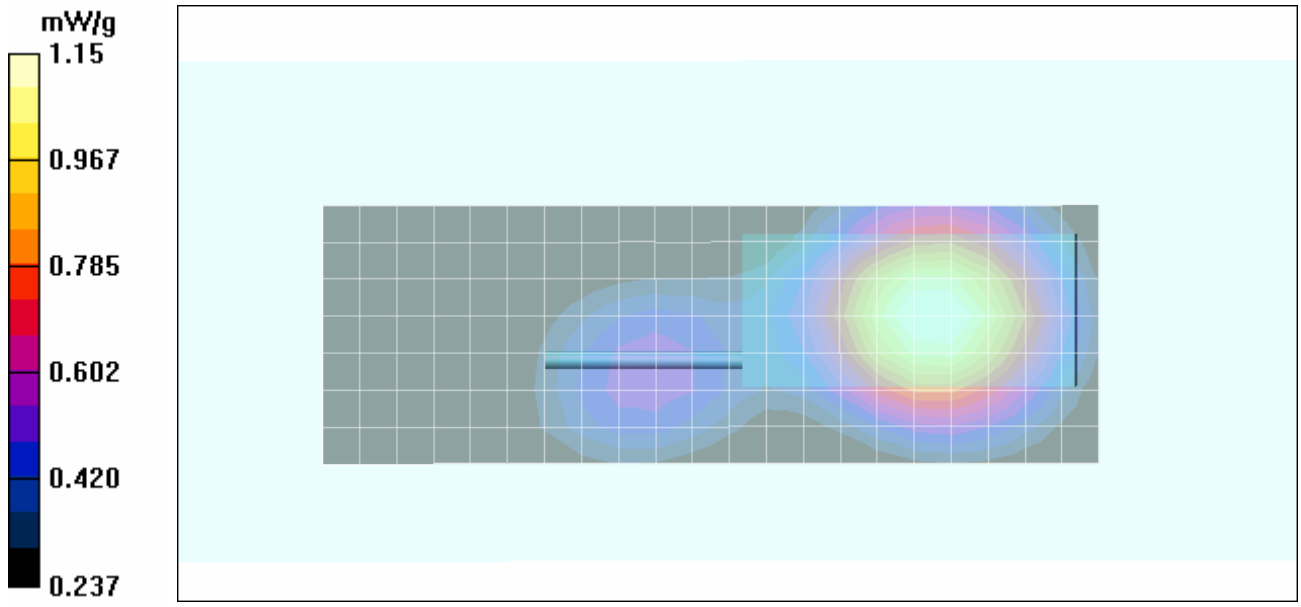
Body-worn Accessory: Leather Case with Belt Loop Kit (P/N: KT-016201-003)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 57.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.0 cm Leather Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.19 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.7 V/m; Power Drift = 0.407 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.848 mW/g
Maximum value of SAR (measured) = 1.15 mW/g



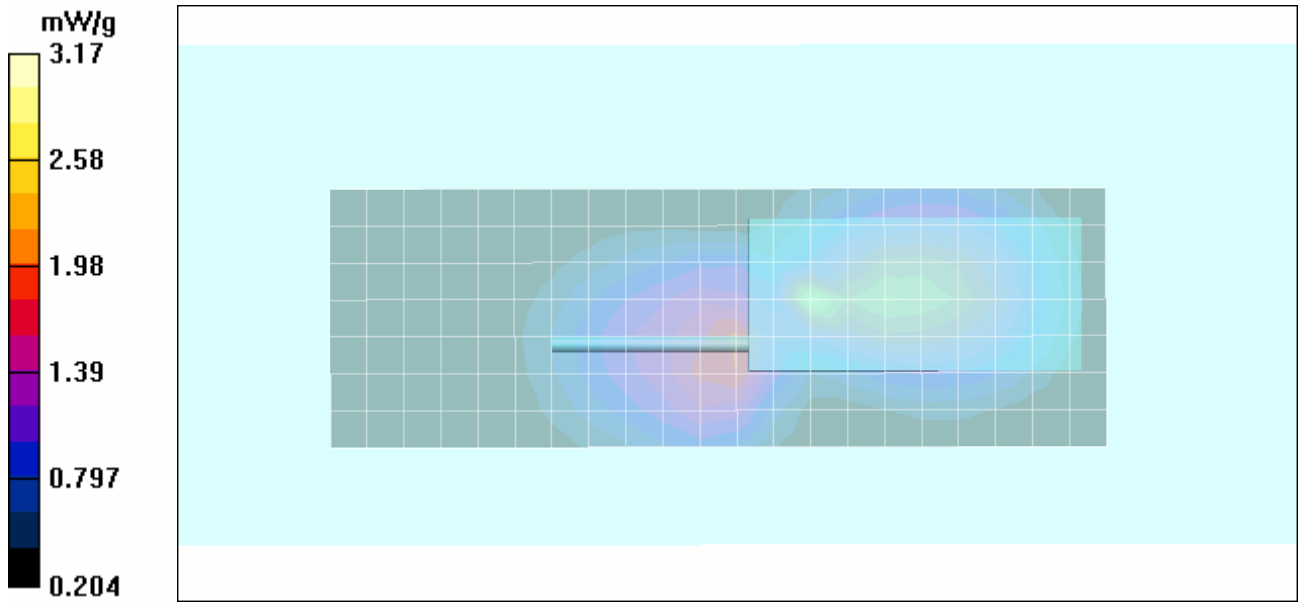
Date Tested: 03/27/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004
Body-worn Accessory: Leather Case with Shoulder Strap Kit (P/N: KT-016201-004)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 25.0°C; Fluid Temp: 23.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%
Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.95 mho/m; ε_r = 57.3; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.5 cm Leather Case Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.54 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.4 V/m; Power Drift = -0.309 dB
Peak SAR (extrapolated) = 6.58 W/kg
SAR(1 g) = 2.81 mW/g; SAR(10 g) = 1.62 mW/g
Maximum value of SAR (measured) = 3.17 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.4 V/m; Power Drift = -0.309 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.84 mW/g
Maximum value of SAR (measured) = 2.52 mW/g
Zoom Scan (5x5x7)/Cube 2: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.4 V/m; Power Drift = -0.309 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 1.83 mW/g; SAR(10 g) = 1.34 mW/g
Maximum value of SAR (measured) = 1.95 mW/g



Date Tested: 04/14/2009

Body-worn SAR - SMA - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

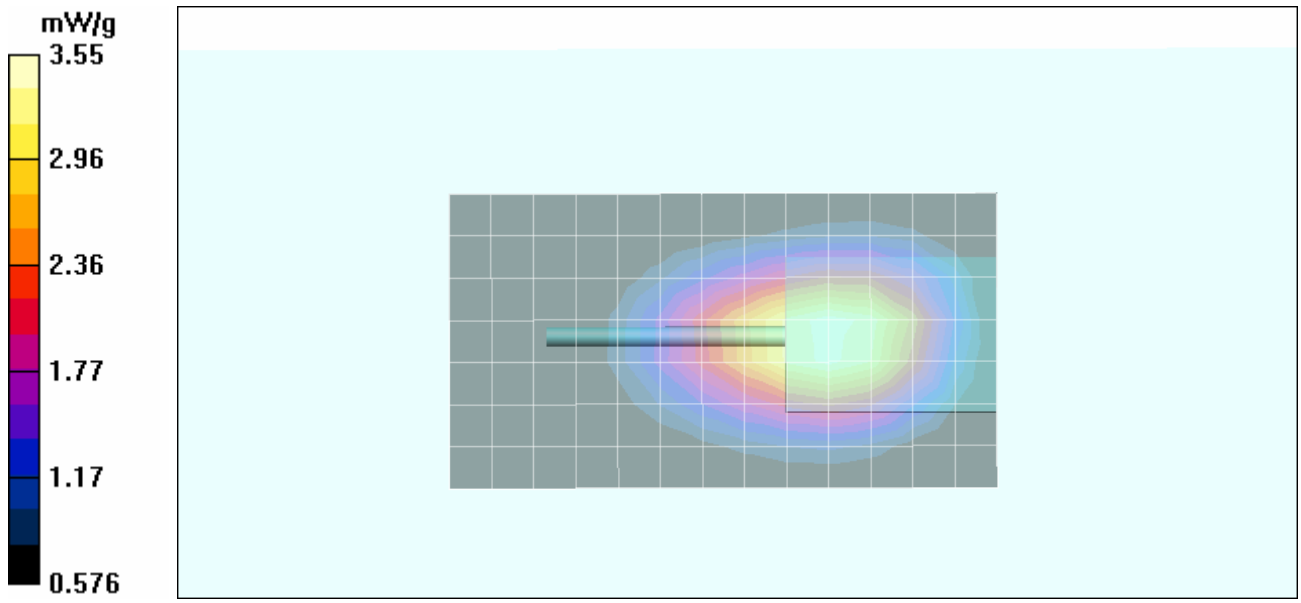
Body-worn Accessory: Speaker-Microphone Antenna Version with Lapel-Clip (P/N: MC-023933-002)
Audio Accessory: Earphone (P/N: LS103239V1)

Ambient Temp: 22.3°C; Fluid Temp: 21.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.94 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Lapel Clip Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.47 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 62.9 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 3.90 W/kg
SAR(1 g) = 3.38 mW/g; SAR(10 g) = 2.54 mW/g
Maximum value of SAR (measured) = 3.55 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

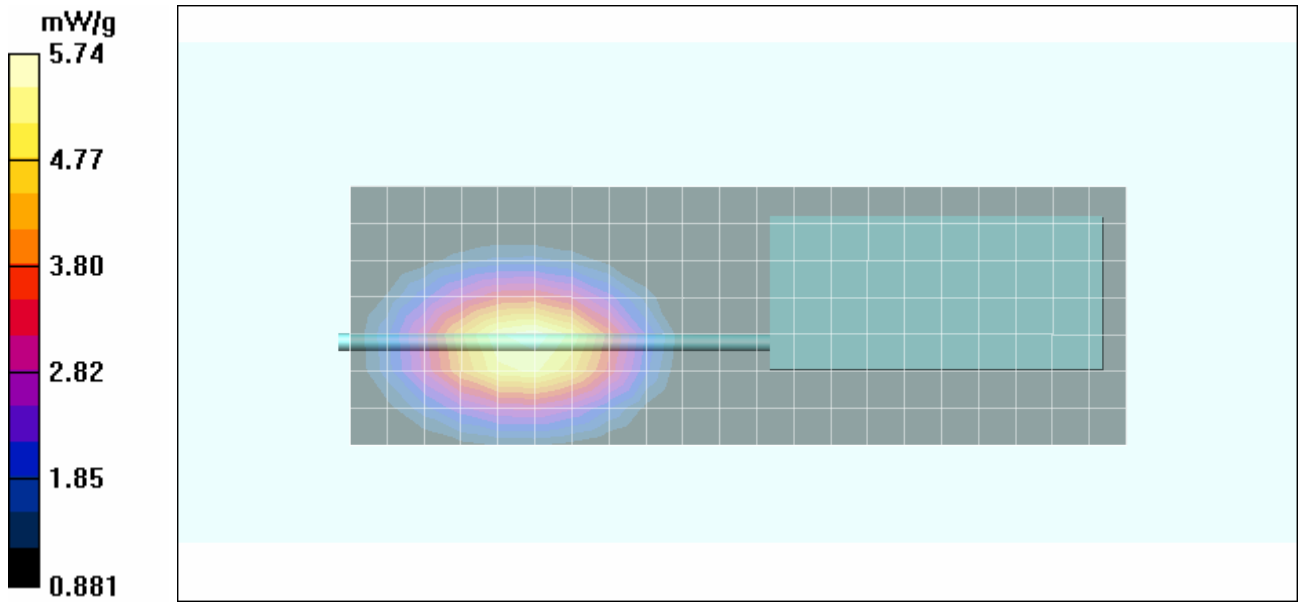
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

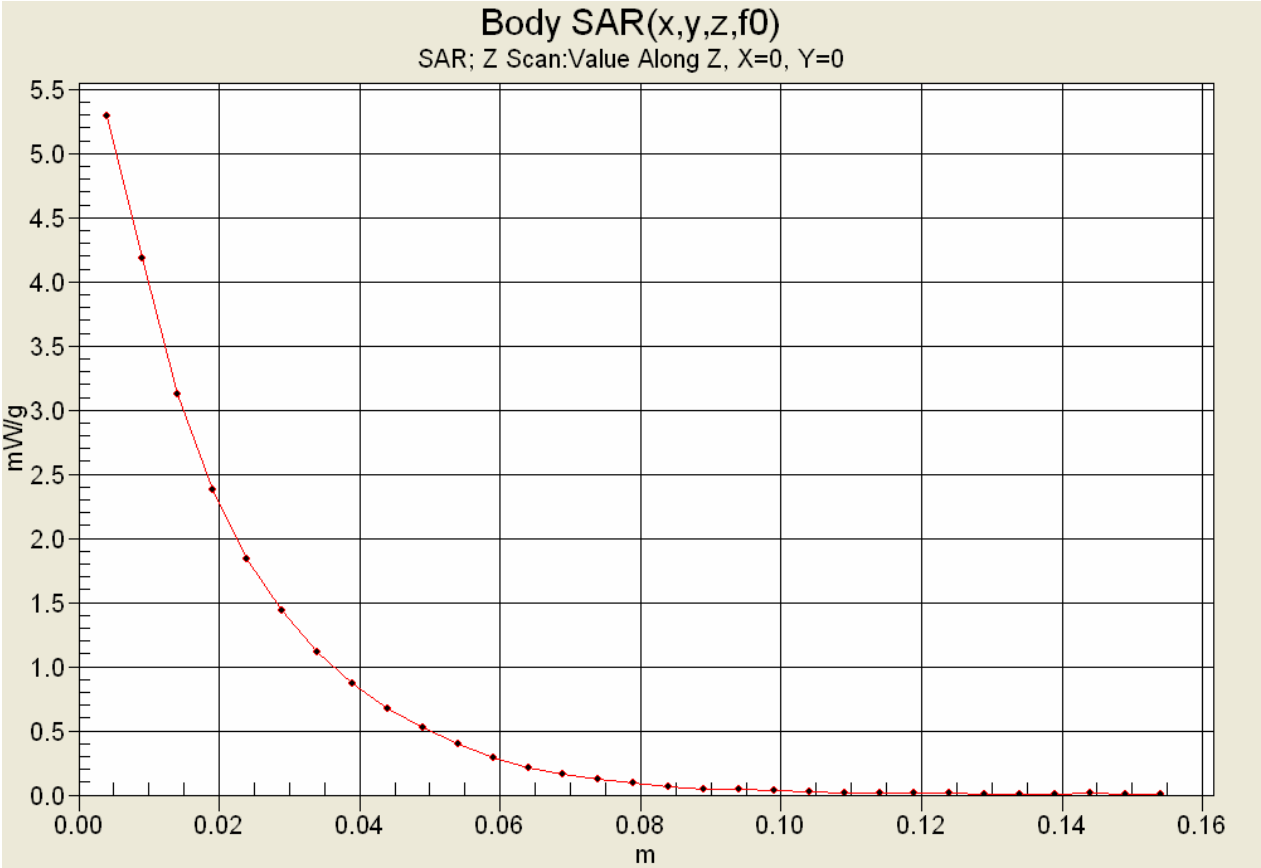
Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.64 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.317 dB
Peak SAR (extrapolated) = 6.41 W/kg
SAR(1 g) = 5.41 mW/g; SAR(10 g) = 4 mW/g
Maximum value of SAR (measured) = 5.74 mW/g



Z-Axis Scan



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Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

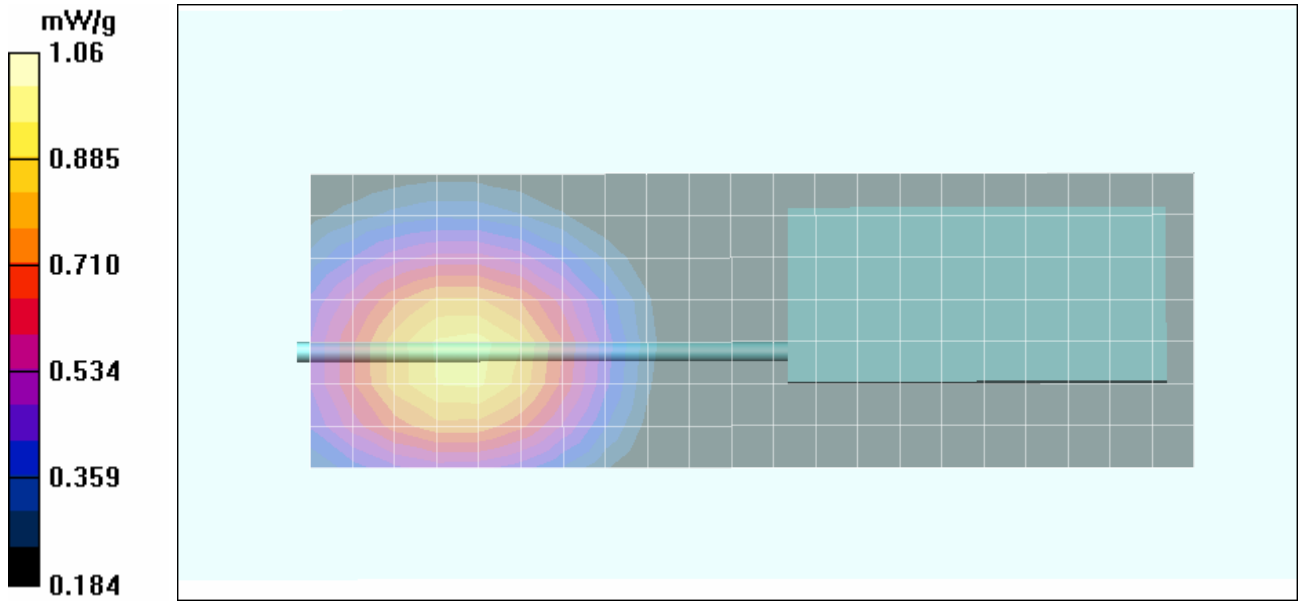
Body-worn Accessory: Nylon Case with Belt Loop Kit (P/N: KT-016201-001)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Nylon Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.913 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.65 V/m; Power Drift = 0.215 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.775 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

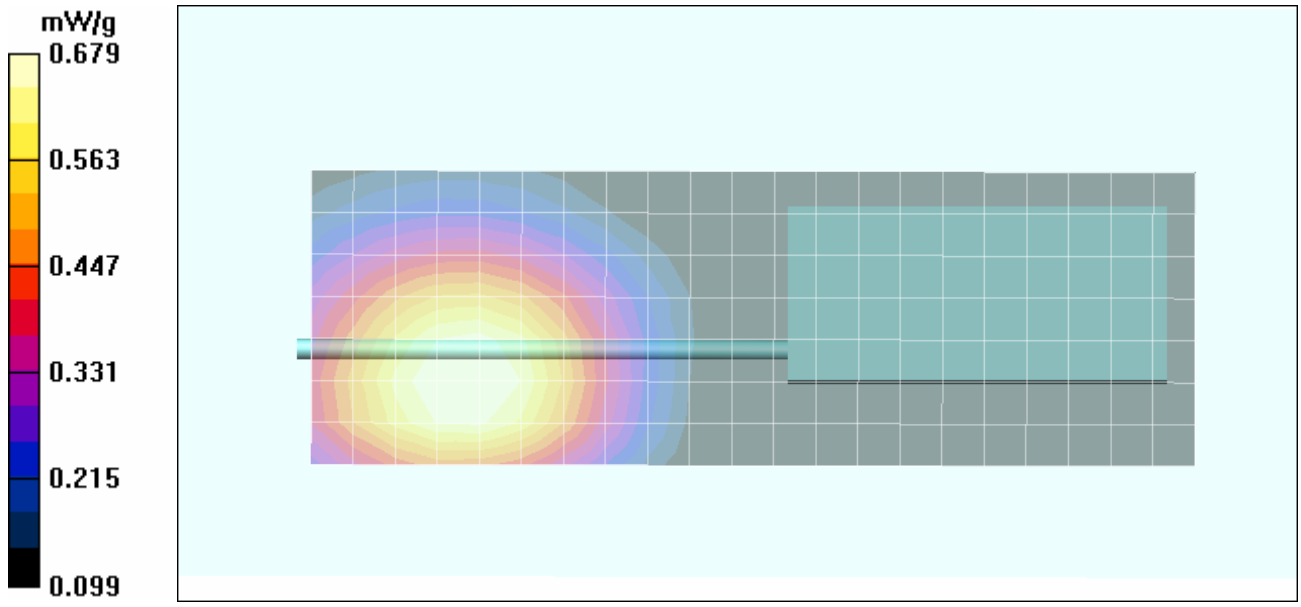
Body-worn Accessory: Leather Case with Belt Loop Kit (P/N: KT-016201-003)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.0 cm Leather Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.697 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.34 V/m; Power Drift = -0.339 dB
Peak SAR (extrapolated) = 0.750 W/kg
SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.514 mW/g
Maximum value of SAR (measured) = 0.679 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

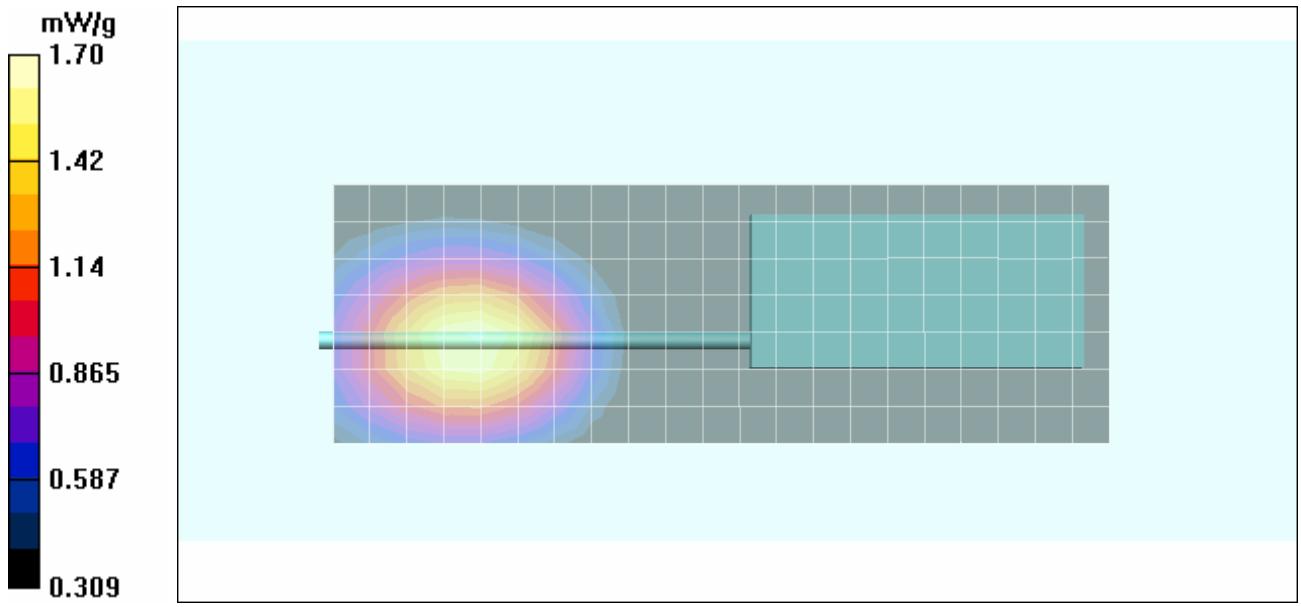
Body-worn Accessory: Leather Case with Shoulder Strap Kit (P/N: KT-016201-004)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.5 cm Leather Case Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.63 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.61 V/m; Power Drift = -0.374 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 1.62 mW/g; SAR(10 g) = 1.24 mW/g
Maximum value of SAR (measured) = 1.70 mW/g



Date Tested: 04/14/2009

Body-worn SAR - SMA - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

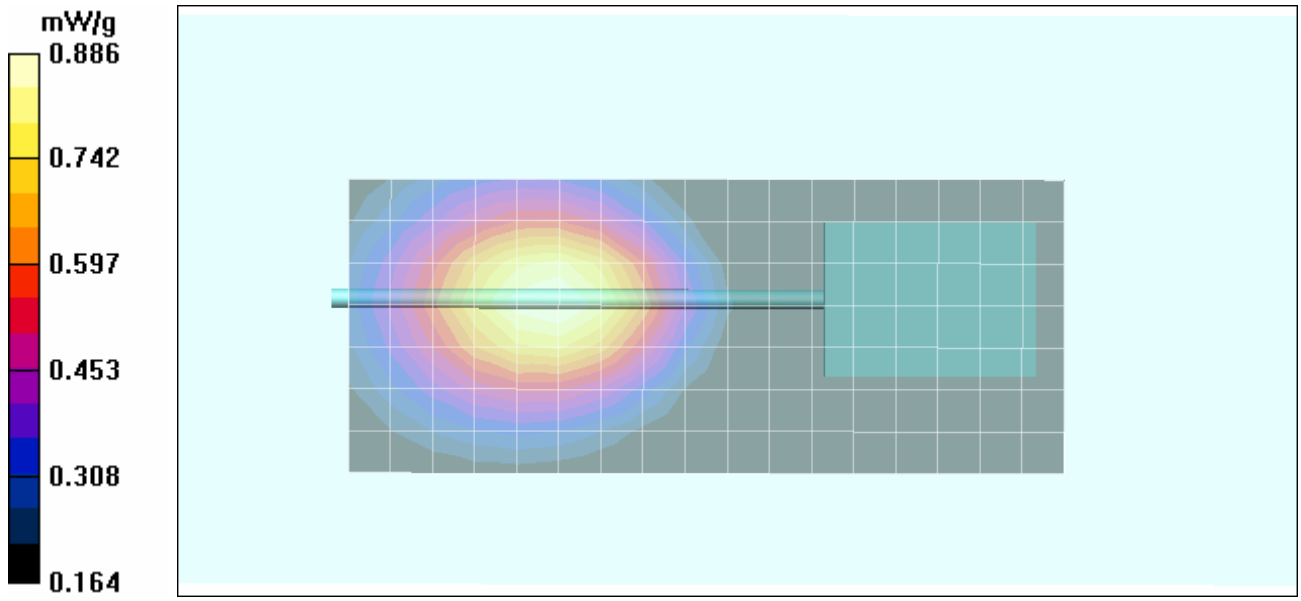
Body-worn Accessory: Speaker-Microphone Antenna Version with Lapel-Clip (P/N: MC-023933-002)
Audio Accessory: Earphone (P/N: LS103239V1)

Ambient Temp: 22.3°C; Fluid Temp: 21.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.96 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Lapel Clip Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.907 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.962 W/kg
SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.646 mW/g
Maximum value of SAR (measured) = 0.886 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

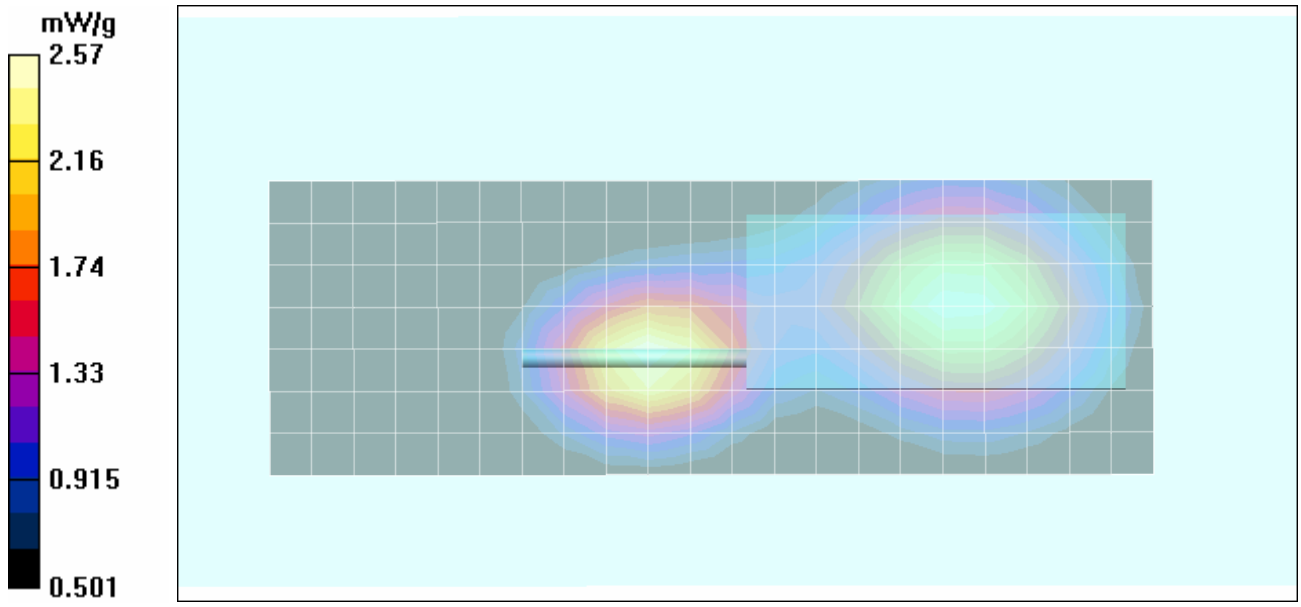
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.57 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.0 V/m; Power Drift = -0.250 dB
Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.78 mW/g
Maximum value of SAR (measured) = 2.62 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.0 V/m; Power Drift = -0.250 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 2.47 mW/g; SAR(10 g) = 1.91 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

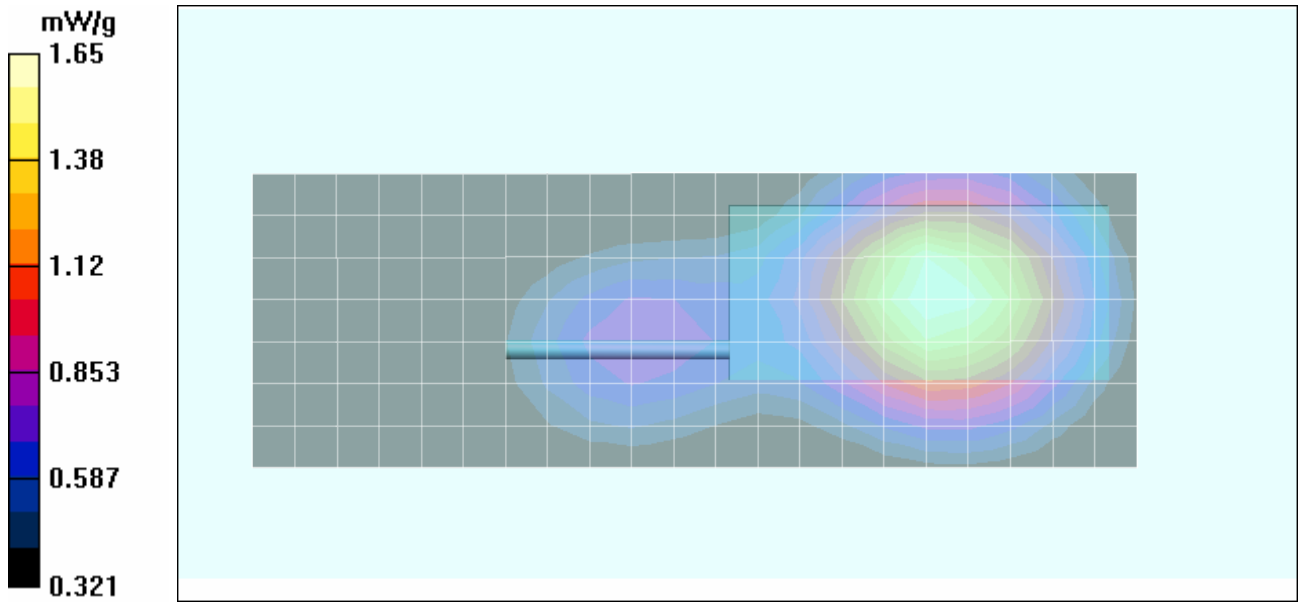
Body-worn Accessory: Nylon Case with Belt Loop Kit (P/N: KT-016201-001)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Nylon Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.66 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.0 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 1.57 mW/g; SAR(10 g) = 1.21 mW/g
Maximum value of SAR (measured) = 1.65 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

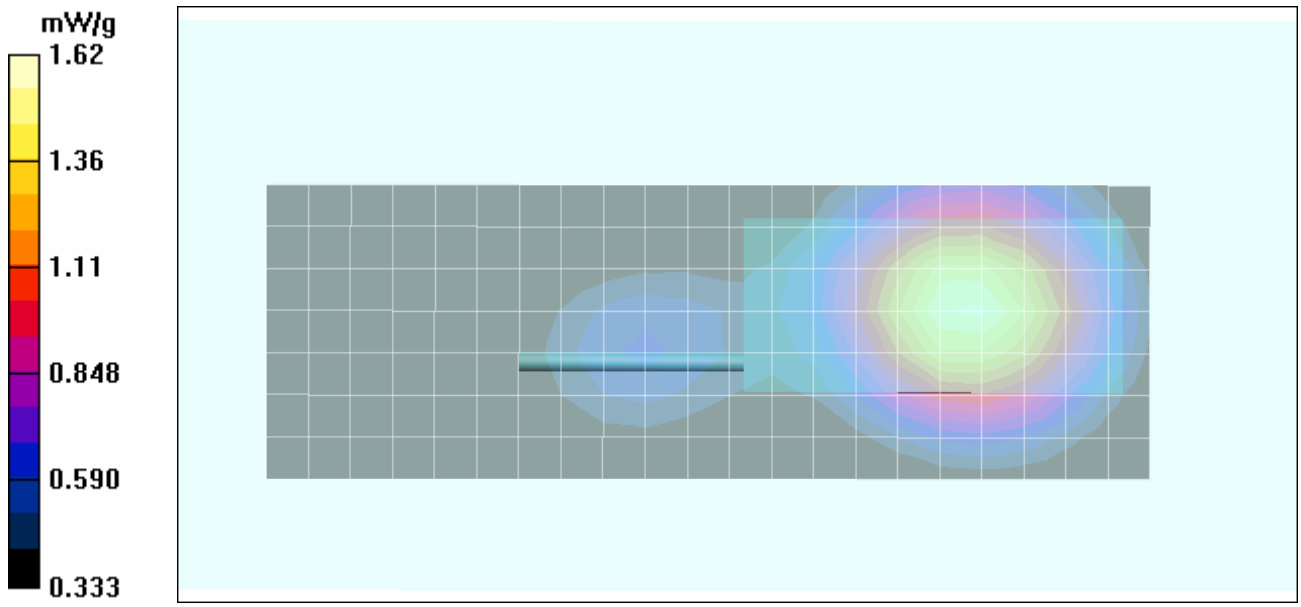
Body-worn Accessory: Leather Case with Belt Loop Kit (P/N: KT-016201-003)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.0 cm Leather Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.56 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.6 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.54 mW/g; SAR(10 g) = 1.19 mW/g
Maximum value of SAR (measured) = 1.62 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

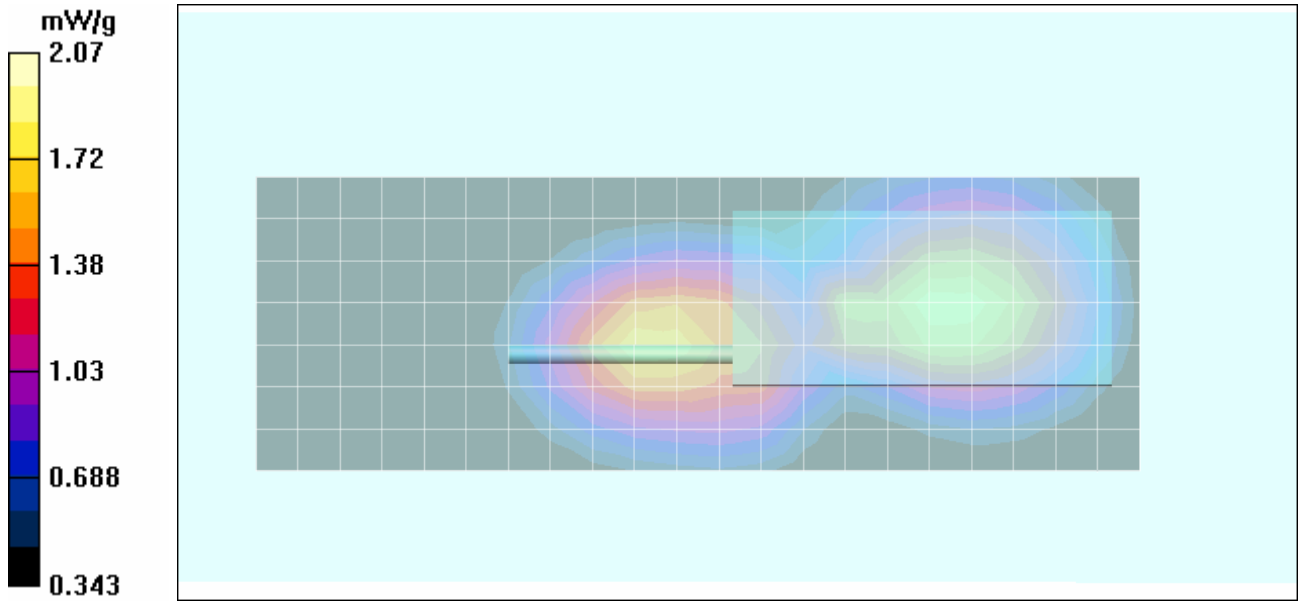
Body-worn Accessory: Leather Case with Shoulder Strap Kit (P/N: KT-016201-004)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.5 cm Leather Case Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.82 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.9 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 2.28 W/kg
SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.5 mW/g
Maximum value of SAR (measured) = 2.07 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.9 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.23 mW/g
Maximum value of SAR (measured) = 1.76 mW/g



Date Tested: 04/14/2009

Body-worn SAR - SMA - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

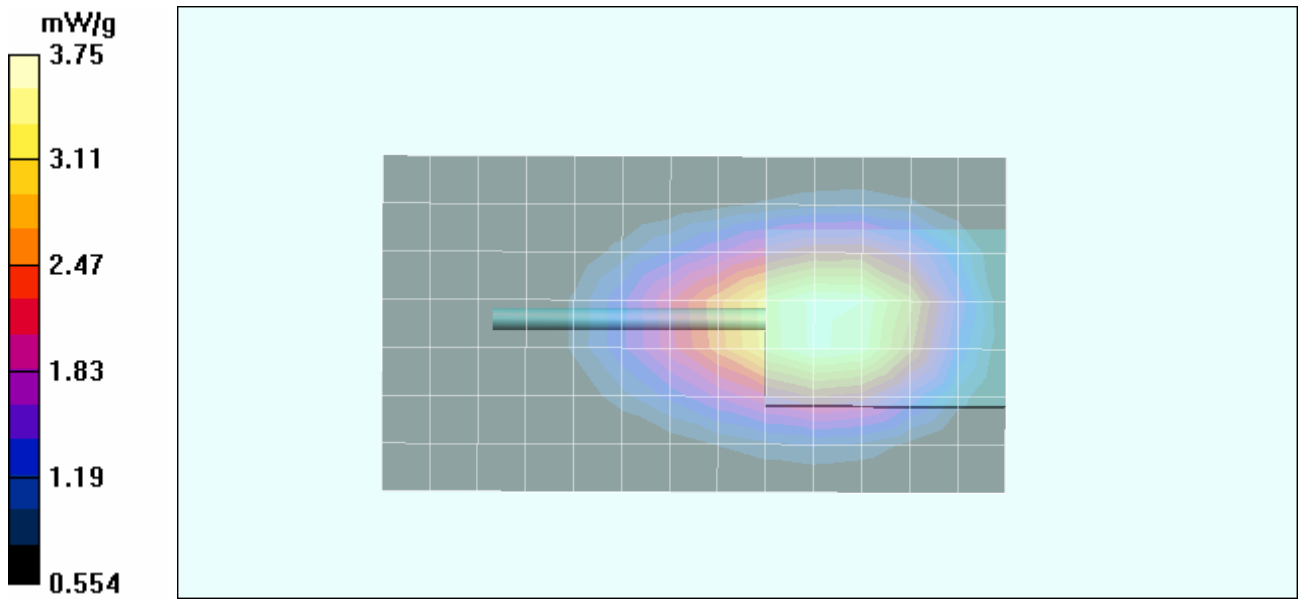
Body-worn Accessory: Speaker-Microphone Antenna Version with Lapel-Clip (P/N: MC-023933-002)
Audio Accessory: Earphone (P/N: LS103239V1)

Ambient Temp: 22.3°C; Fluid Temp: 21.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

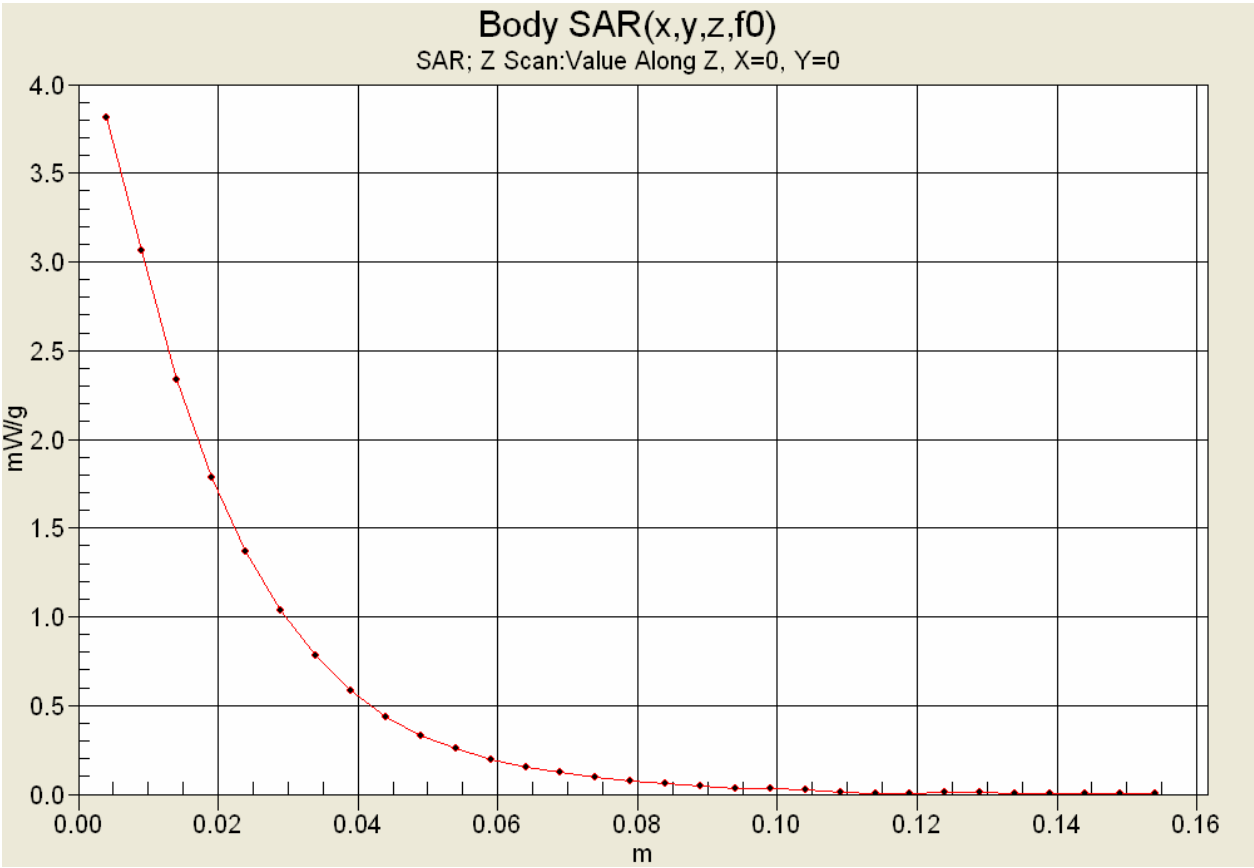
Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.96 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Lapel Clip Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.60 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 62.9 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 4.10 W/kg
SAR(1 g) = 3.55 mW/g; SAR(10 g) = 2.67 mW/g
Maximum value of SAR (measured) = 3.75 mW/g



Z-Axis Scan



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Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

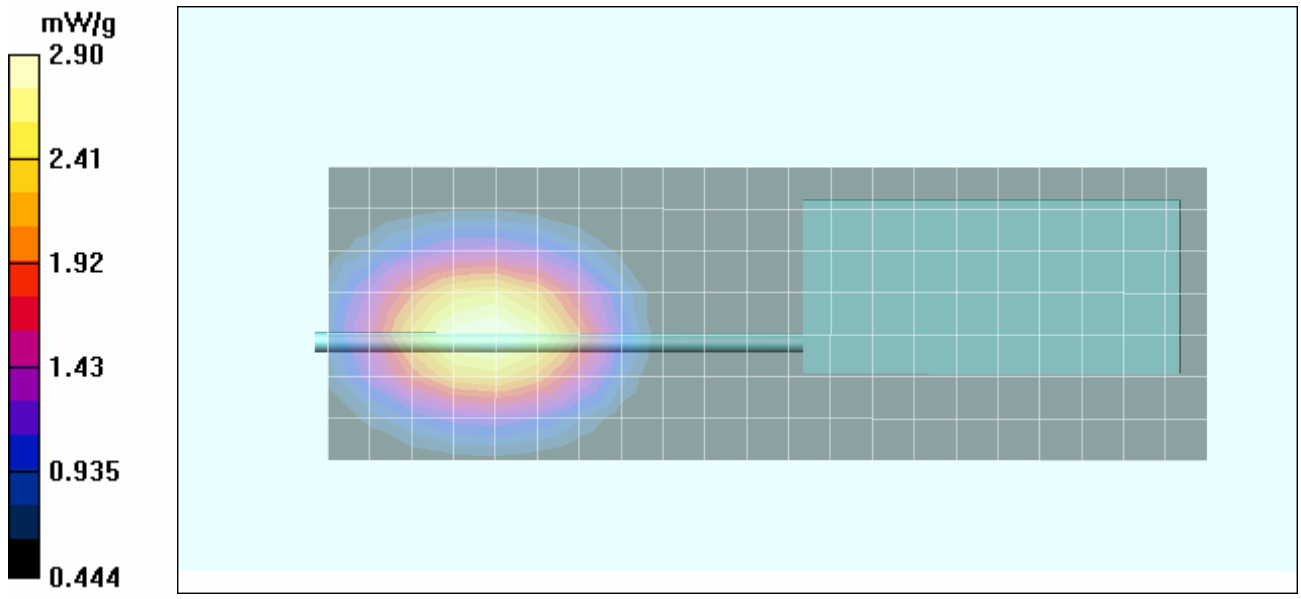
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.99 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = -0.172 dB
Peak SAR (extrapolated) = 3.26 W/kg
SAR(1 g) = 2.73 mW/g; SAR(10 g) = 2.01 mW/g
Maximum value of SAR (measured) = 2.90 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

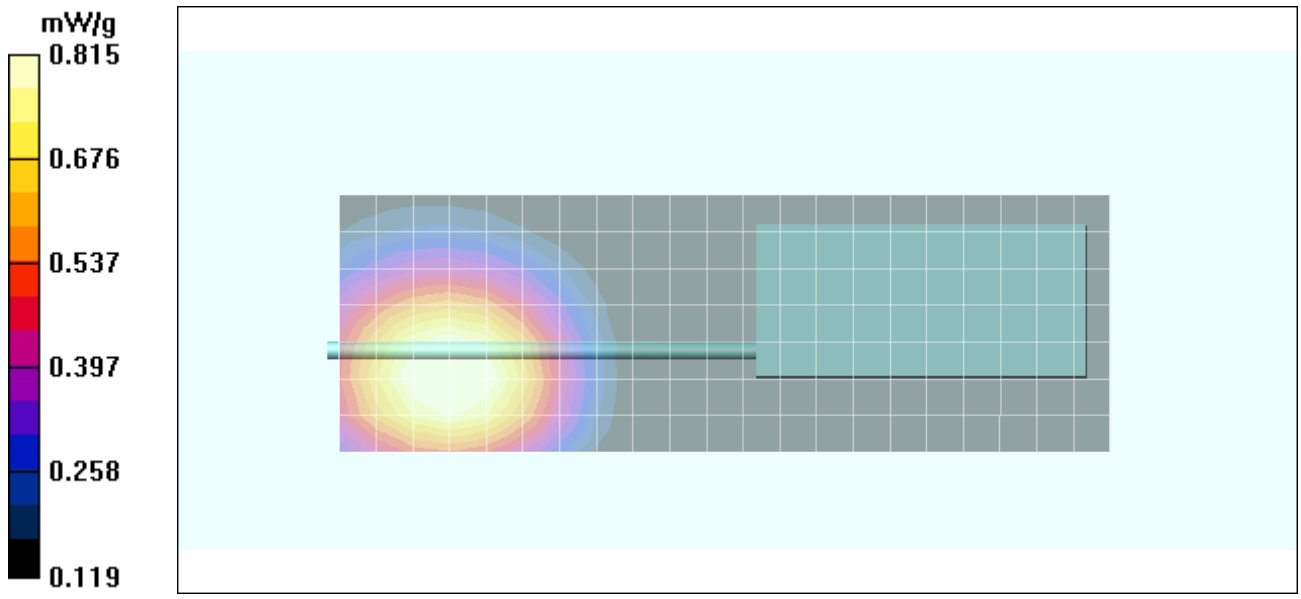
Body-worn Accessory: Nylon Case with Belt Loop Kit (P/N: KT-016201-001)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Nylon Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.873 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.38 V/m; Power Drift = -0.279 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.598 mW/g
Maximum value of SAR (measured) = 0.815 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

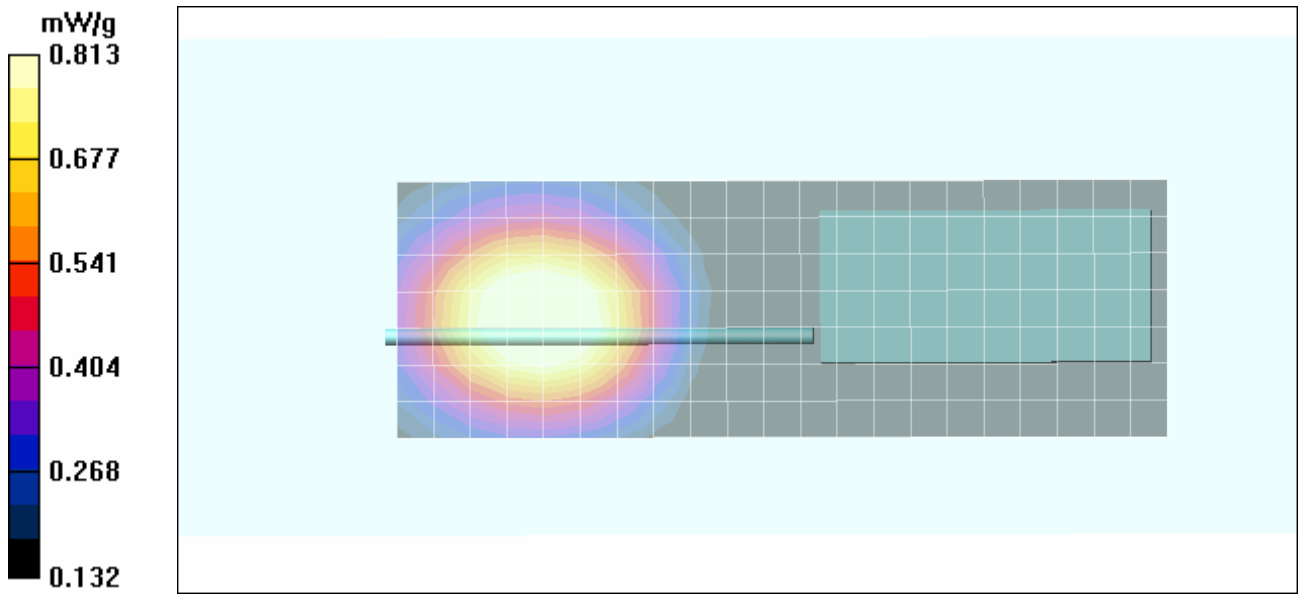
Body-worn Accessory: Leather Case with Belt Loop Kit (P/N: KT-016201-003)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.0 cm Leather Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.941 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.66 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.914 W/kg
SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.590 mW/g
Maximum value of SAR (measured) = 0.813 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

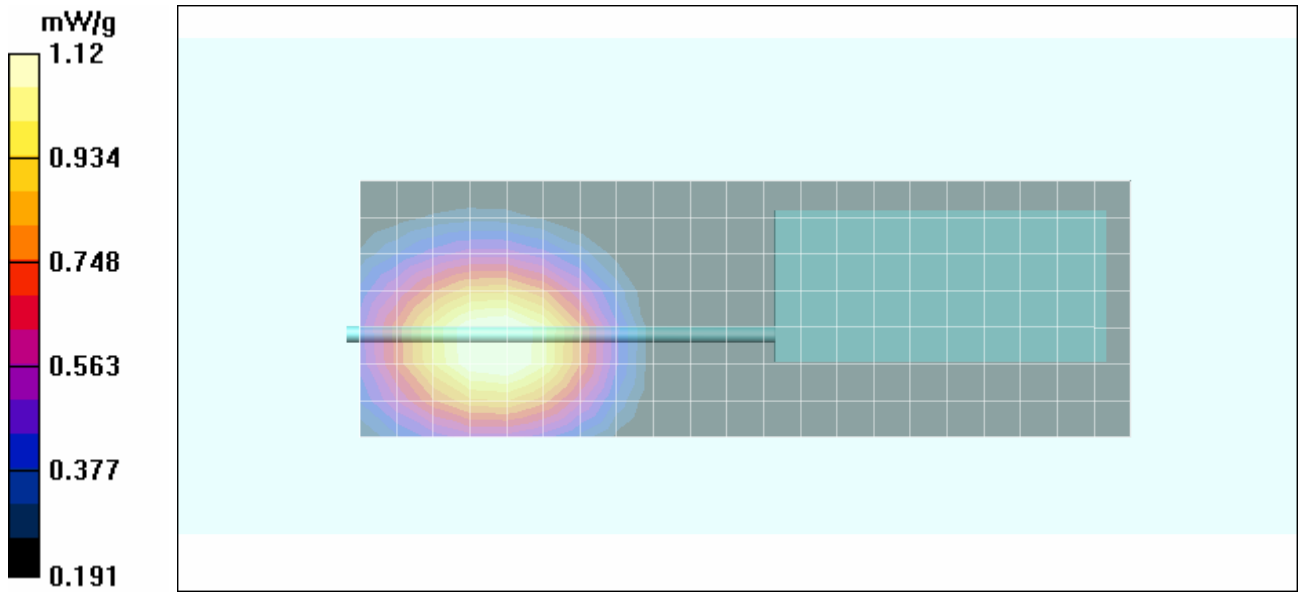
Body-worn Accessory: Leather Case with Shoulder Strap Kit (P/N: KT-016201-004)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.5 cm Leather Case Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.15 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.46 V/m; Power Drift = 0.053 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.807 mW/g
Maximum value of SAR (measured) = 1.12 mW/g



Date Tested: 04/14/2009

Body-worn SAR - SMA - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

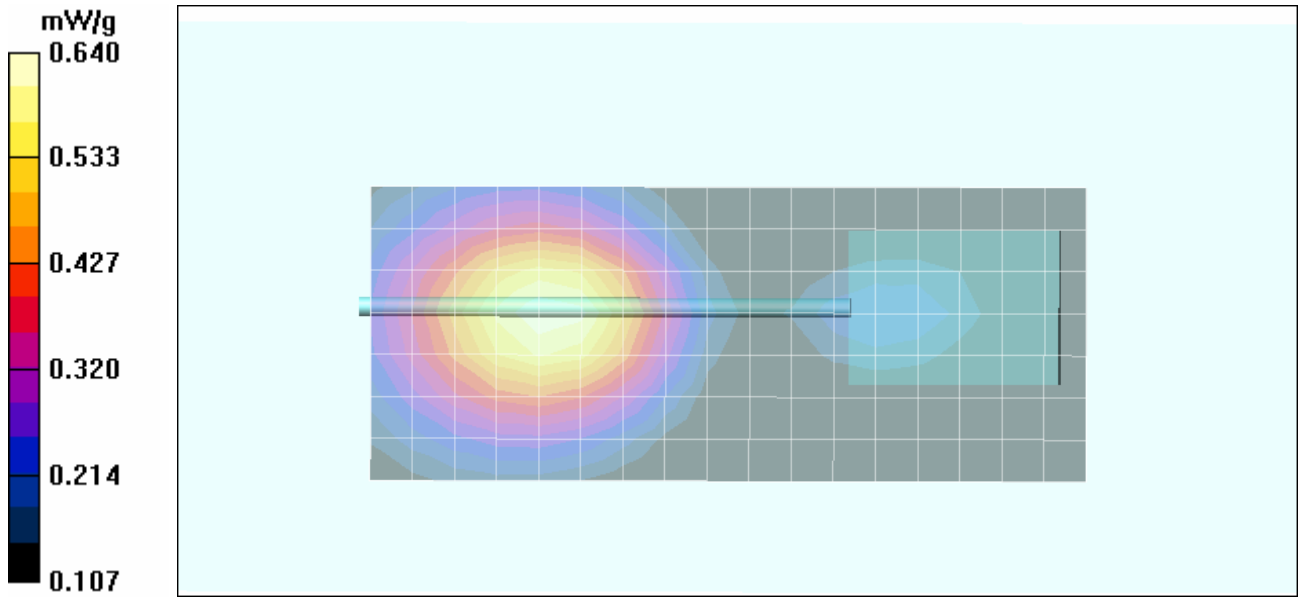
Body-worn Accessory: Speaker-Microphone Antenna Version with Lapel-Clip (P/N: MC-023933-002)
Audio Accessory: Earphone (P/N: LS103239V1)

Ambient Temp: 22.3°C; Fluid Temp: 21.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Lapel Clip Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.638 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.6 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.707 W/kg
SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.461 mW/g
Maximum value of SAR (measured) = 0.640 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

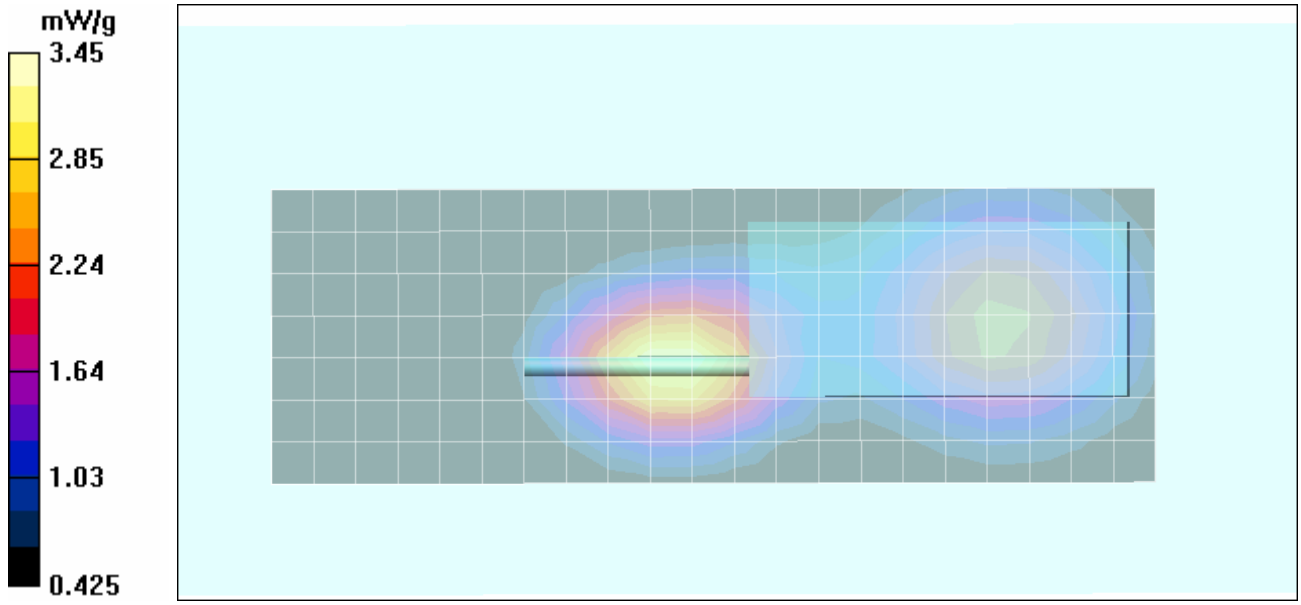
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.27 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = -0.369 dB
Peak SAR (extrapolated) = 3.90 W/kg
SAR(1 g) = 3.21 mW/g; SAR(10 g) = 2.31 mW/g
Maximum value of SAR (measured) = 3.45 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = -0.369 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.88 mW/g
Maximum value of SAR (measured) = 2.63 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

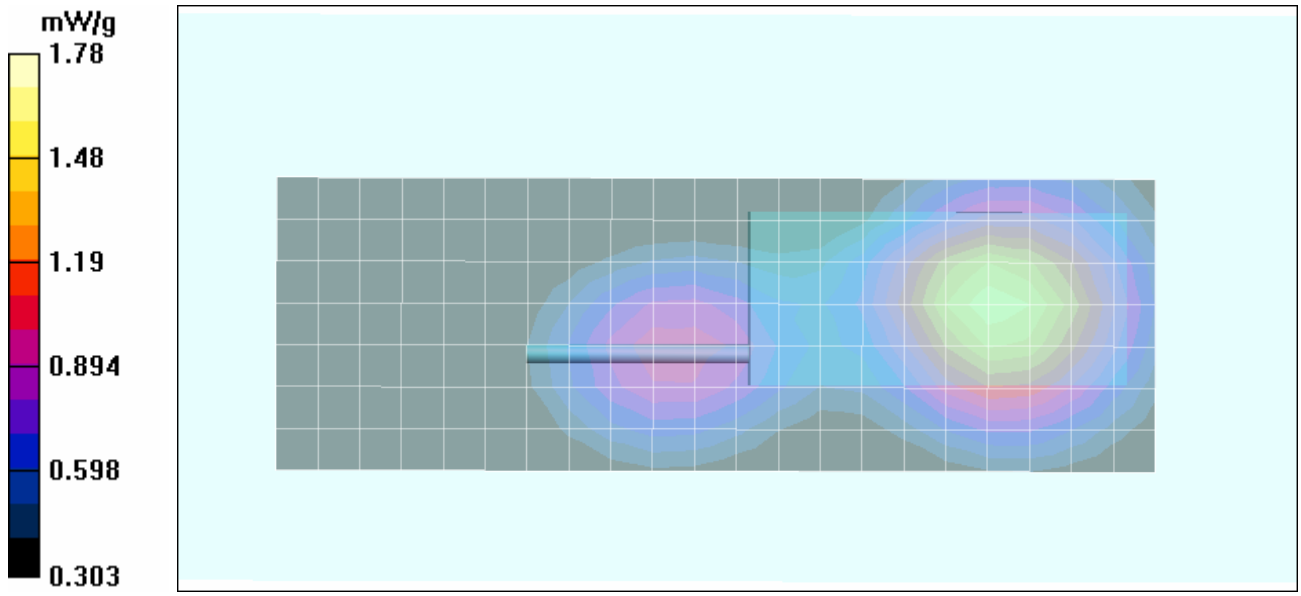
Body-worn Accessory: Nylon Case with Belt Loop Kit (P/N: KT-016201-001)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 4.0 cm Nylon Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.57 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.9 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.28 mW/g
Maximum value of SAR (measured) = 1.78 mW/g



Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

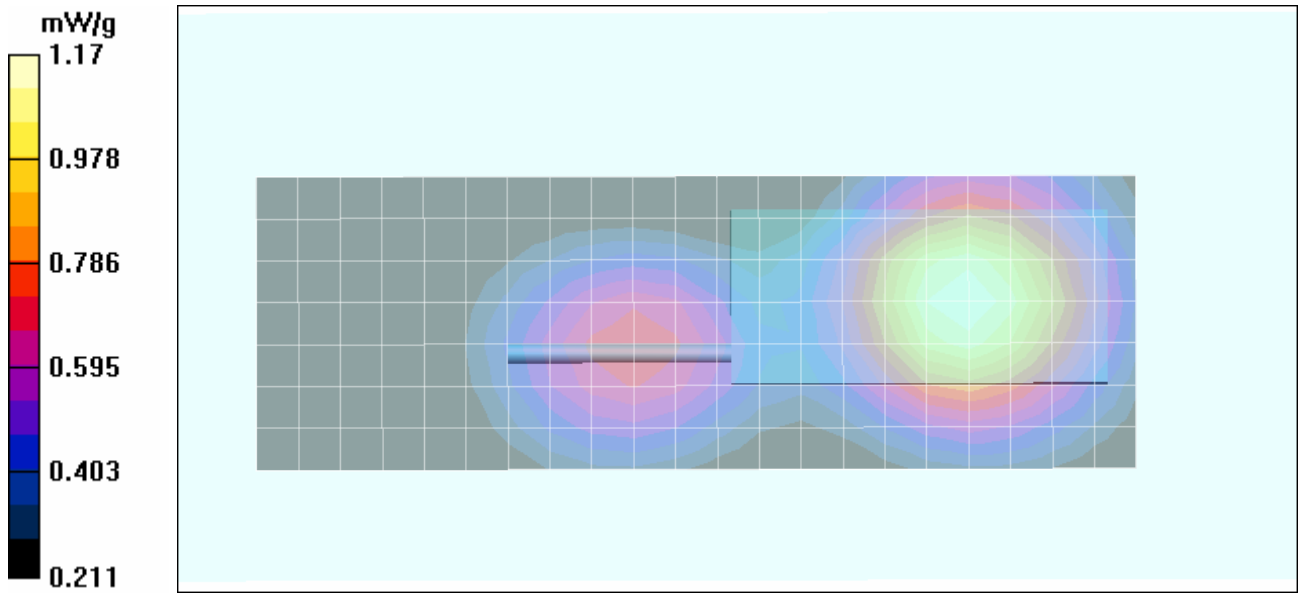
Body-worn Accessory: Leather Case with Belt Loop Kit (P/N: KT-016201-003)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 5.0 cm Leather Case & Belt Loop Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.17 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.1 V/m; Power Drift = -0.402 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.854 mW/g



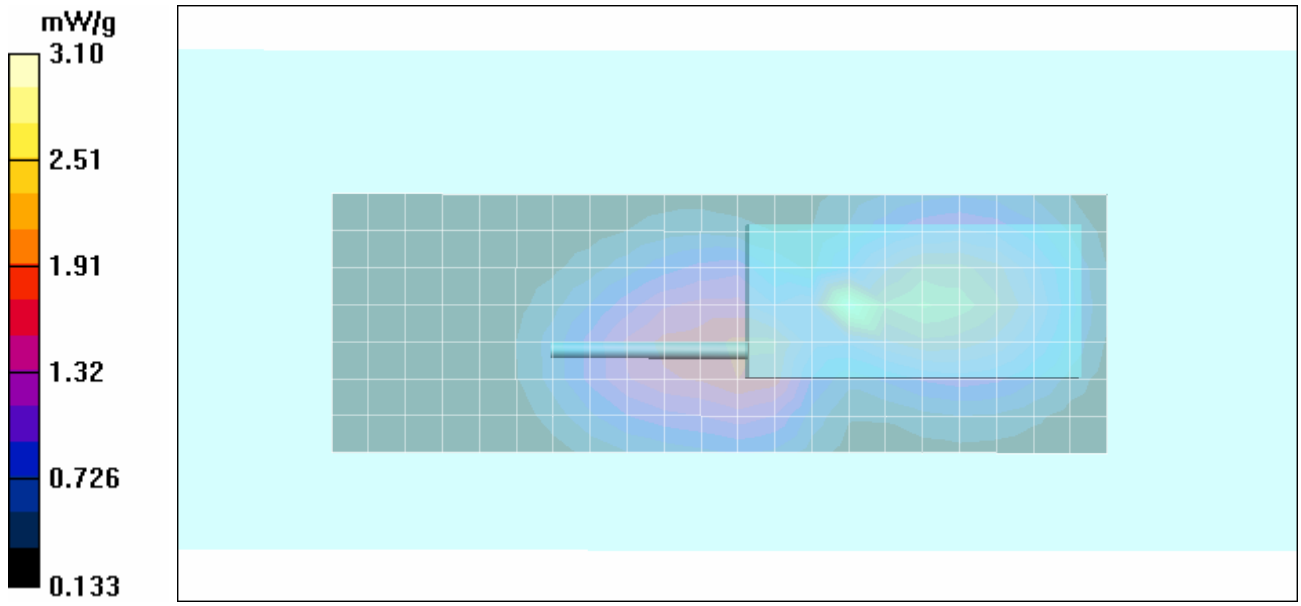
Date Tested: 03/30/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004
Body-worn Accessory: Leather Case with Shoulder Strap Kit (P/N: KT-016201-004)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 23.2°C; Fluid Temp: 22.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%
Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 57.2; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 3.5 cm Leather Case Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.89 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.9 V/m; Power Drift = -0.326 dB
Peak SAR (extrapolated) = 7.86 W/kg
SAR(1 g) = 2.94 mW/g; SAR(10 g) = 1.53 mW/g
Maximum value of SAR (measured) = 3.10 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.9 V/m; Power Drift = -0.326 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.65 mW/g
Maximum value of SAR (measured) = 2.29 mW/g
Zoom Scan (5x5x7)/Cube 2: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.9 V/m; Power Drift = -0.326 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 1.8 mW/g; SAR(10 g) = 1.31 mW/g
Maximum value of SAR (measured) = 1.92 mW/g



Date Tested: 04/14/2009

Body-worn SAR - SMA - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

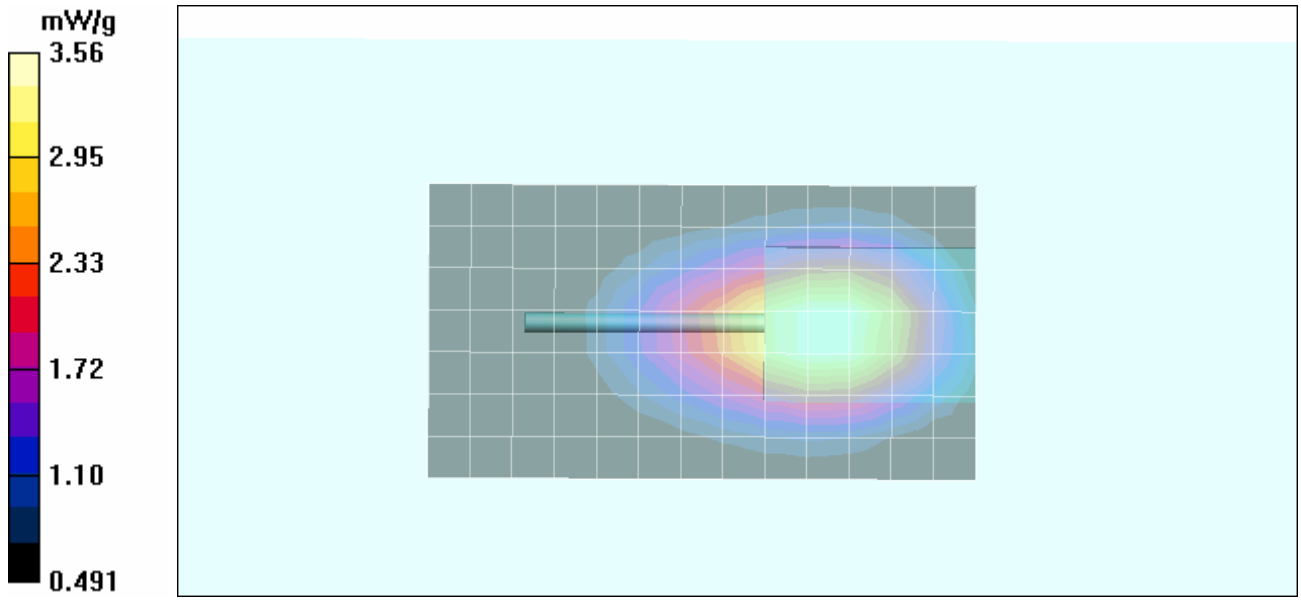
Body-worn Accessory: Speaker-Microphone Antenna Version with Lapel-Clip (P/N: MC-023933-002)
Audio Accessory: Earphone (P/N: LS103239V1)

Ambient Temp: 22.3°C; Fluid Temp: 21.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 1 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Lapel Clip Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.46 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.2 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 3.36 mW/g; SAR(10 g) = 2.51 mW/g
Maximum value of SAR (measured) = 3.56 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 806.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

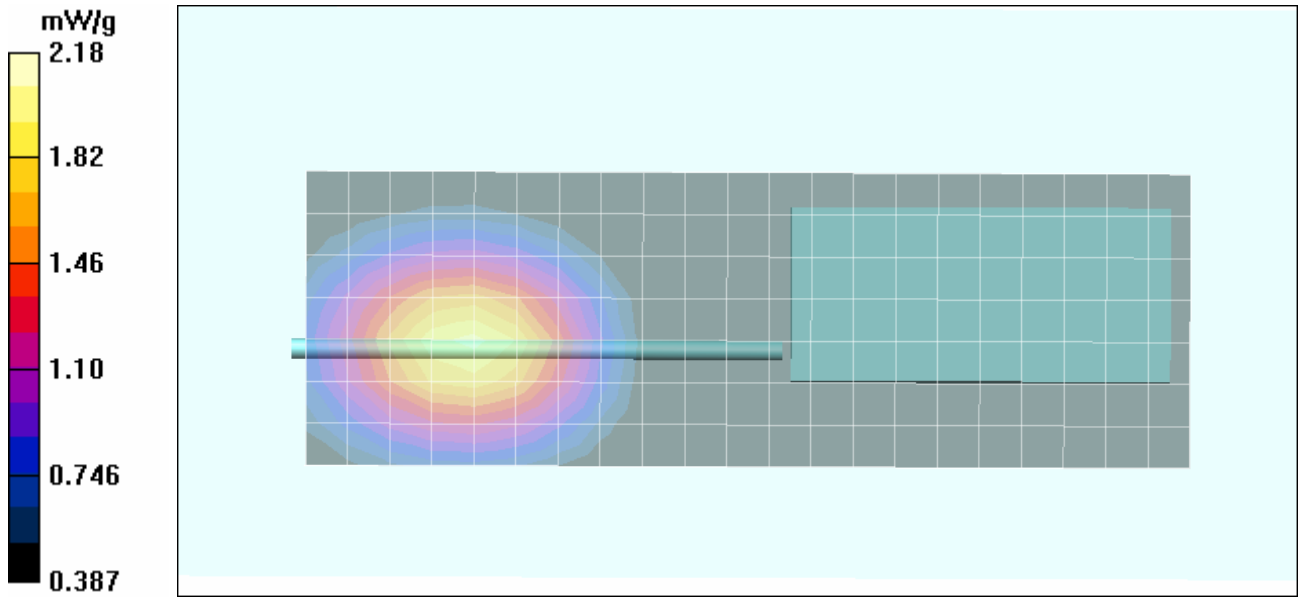
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 806 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 806 MHz; σ = 0.94 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.99 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.35 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.58 mW/g
Maximum value of SAR (measured) = 2.18 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 824.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

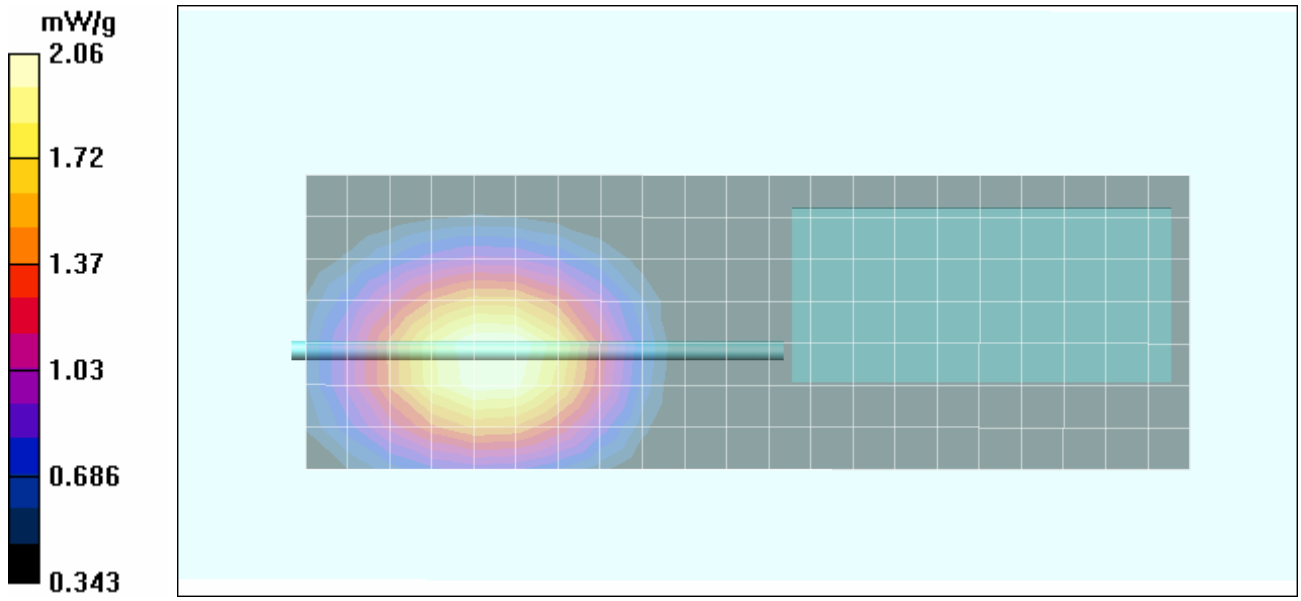
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 824 MHz; σ = 0.95 mho/m; ε_r = 57; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.07 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.04 V/m; Power Drift = -0.258 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.5 mW/g
Maximum value of SAR (measured) = 2.06 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 806.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

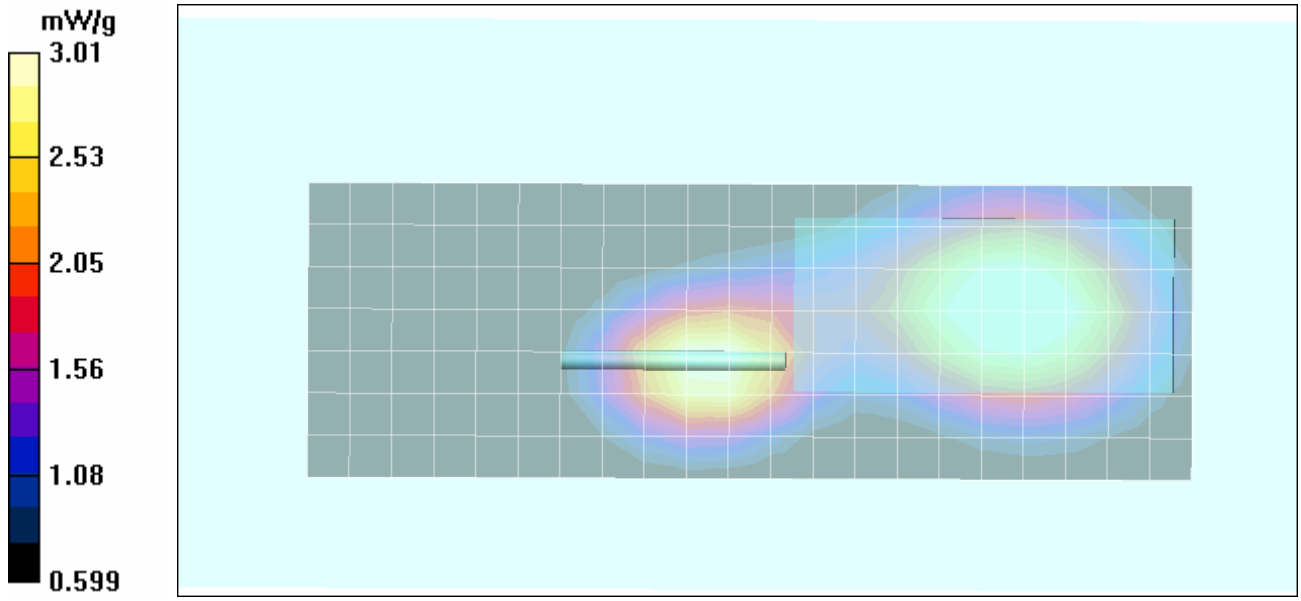
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 806 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 806 MHz; σ = 0.94 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.47 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.6 V/m; Power Drift = -0.225 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 2.86 mW/g; SAR(10 g) = 2.21 mW/g
Maximum value of SAR (measured) = 3.01 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.6 V/m; Power Drift = -0.225 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.82 mW/g; SAR(10 g) = 2.02 mW/g
Maximum value of SAR (measured) = 3.04 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 824.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

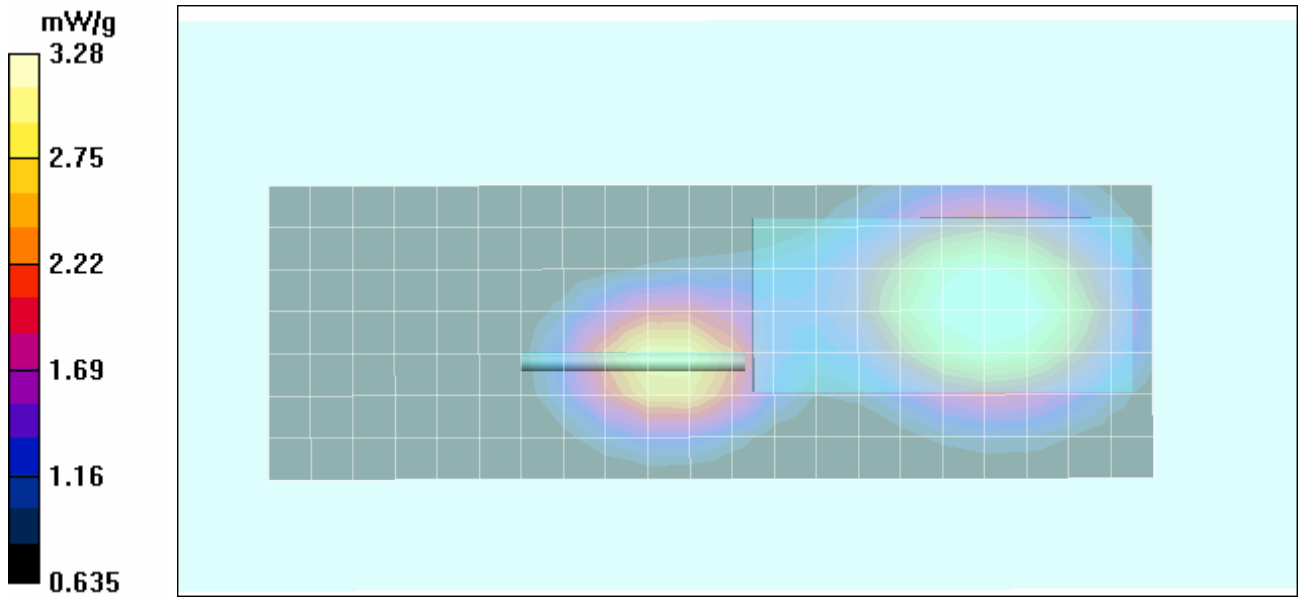
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 824 MHz; σ = 0.95 mho/m; ε_r = 57; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.62 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.8 V/m; Power Drift = -0.431 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 3.12 mW/g; SAR(10 g) = 2.4 mW/g
Maximum value of SAR (measured) = 3.28 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.8 V/m; Power Drift = -0.431 dB
Peak SAR (extrapolated) = 3.26 W/kg
SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.95 mW/g
Maximum value of SAR (measured) = 2.89 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 851.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

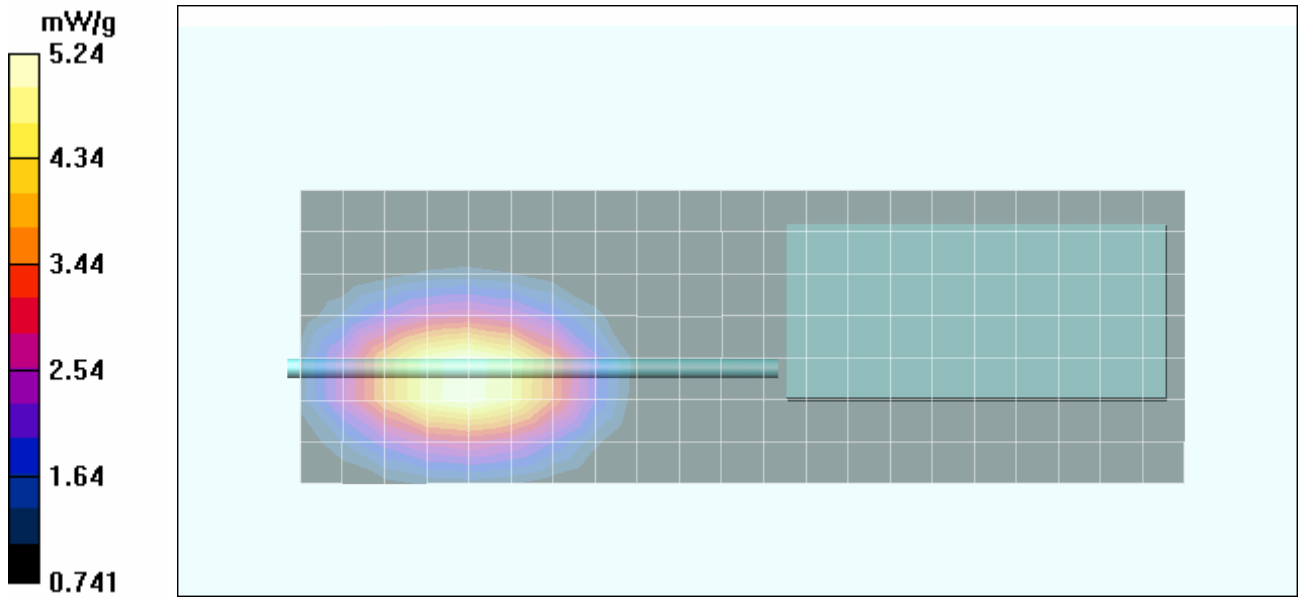
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

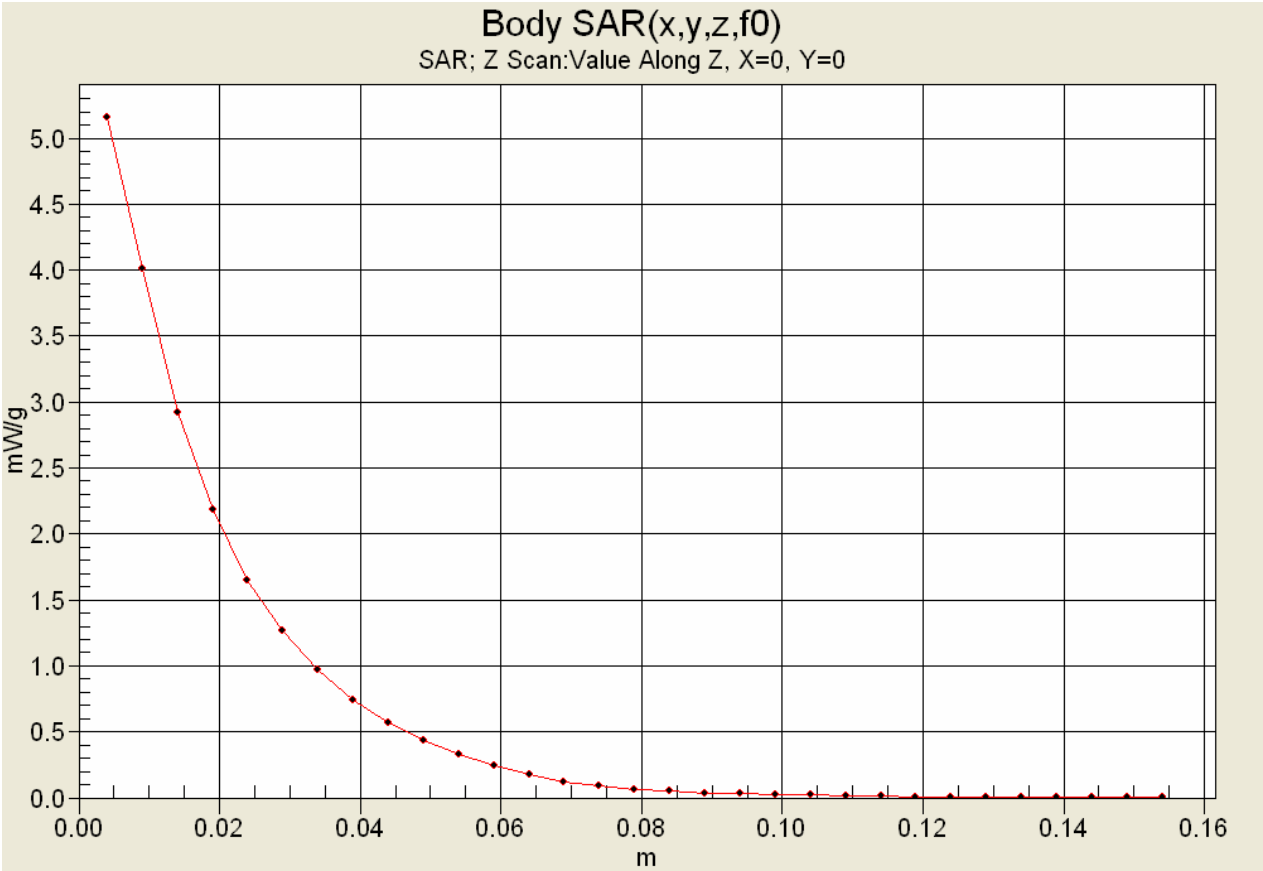
Communication System: CW
Frequency: 851 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 851 MHz; σ = 0.99 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.16 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = -0.462 dB
Peak SAR (extrapolated) = 5.91 W/kg
SAR(1 g) = 4.91 mW/g; SAR(10 g) = 3.56 mW/g
Maximum value of SAR (measured) = 5.24 mW/g



Z-Axis Scan


Body SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 869.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

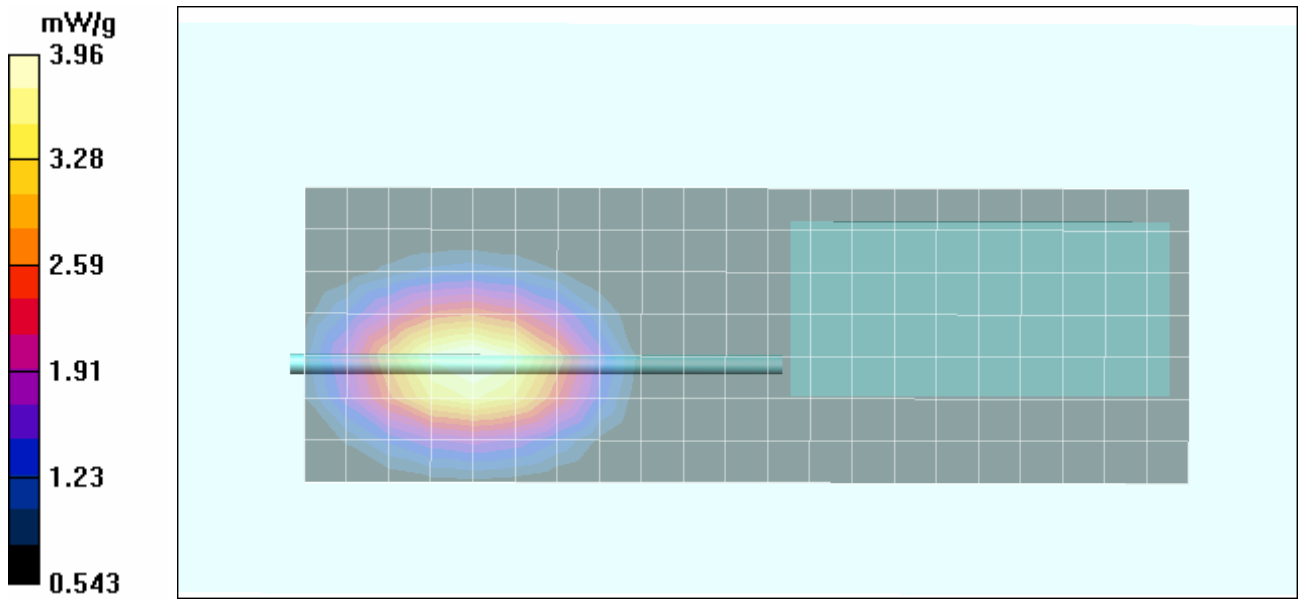
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 869 MHz; σ = 0.99 mho/m; ε_r = 57.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.12 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = -0.263 dB
Peak SAR (extrapolated) = 4.50 W/kg
SAR(1 g) = 3.71 mW/g; SAR(10 g) = 2.69 mW/g
Maximum value of SAR (measured) = 3.96 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 851.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

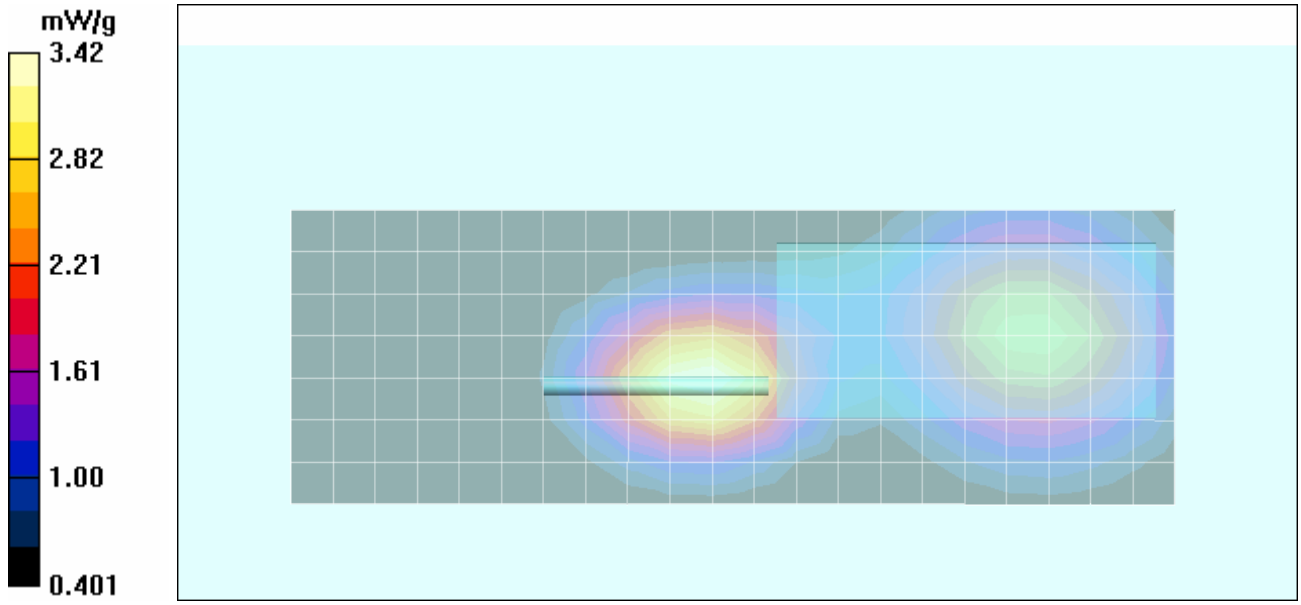
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 851 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 851 MHz; σ = 0.99 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.50 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.8 V/m; Power Drift = -0.385 dB
Peak SAR (extrapolated) = 3.85 W/kg
SAR(1 g) = 3.18 mW/g; SAR(10 g) = 2.28 mW/g
Maximum value of SAR (measured) = 3.42 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.8 V/m; Power Drift = -0.385 dB
Peak SAR (extrapolated) = 3.15 W/kg
SAR(1 g) = 2.76 mW/g; SAR(10 g) = 2.1 mW/g
Maximum value of SAR (measured) = 2.92 mW/g



Date Tested: 04/13/2009

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-Cd NIS Battery - 869.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

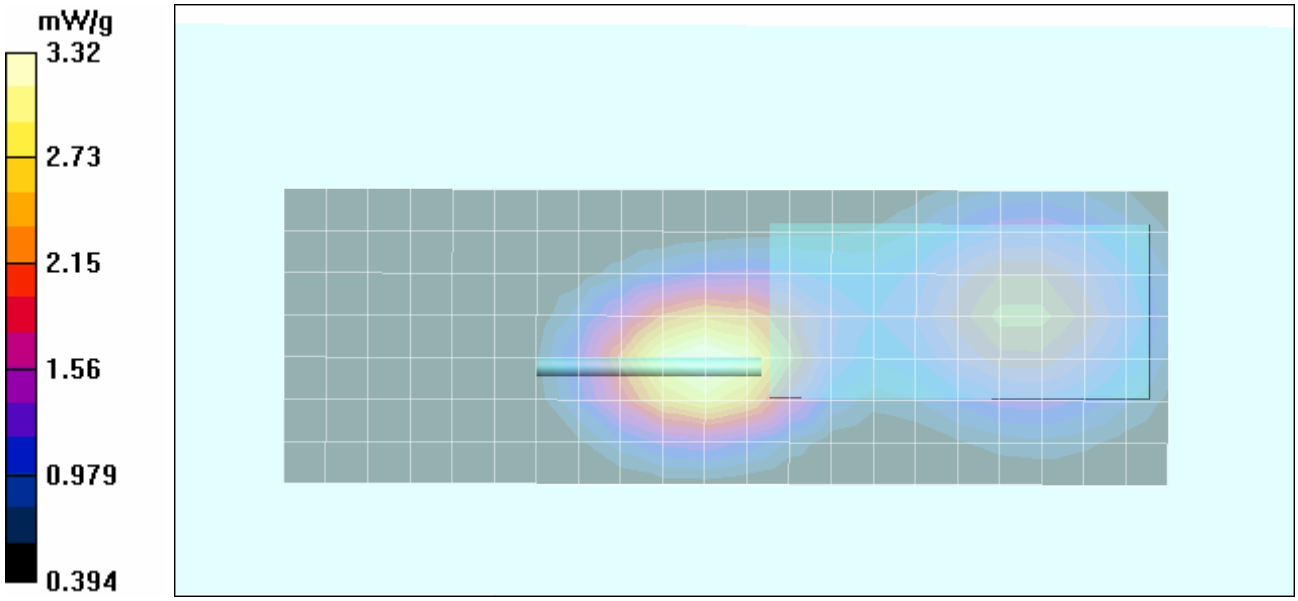
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 869 MHz; σ = 0.99 mho/m; ε_r = 57.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 22/04/2008
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.45 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.8 V/m; Power Drift = -0.481 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 3.11 mW/g; SAR(10 g) = 2.23 mW/g
Maximum value of SAR (measured) = 3.32 mW/g
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.8 V/m; Power Drift = -0.481 dB
Peak SAR (extrapolated) = 2.67 W/kg
SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.72 mW/g
Maximum value of SAR (measured) = 2.41 mW/g



Date Tested: 05/13/2009

SAR RE-EVALUATION AT 3.4 WATTS CONDUCTED OUTPUT POWER LEVEL (MAX. TOLERANCE)

Body-worn SAR - System Radio - KRE1011506/2 Antenna - Ni-MH IS Battery - 800.00625 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

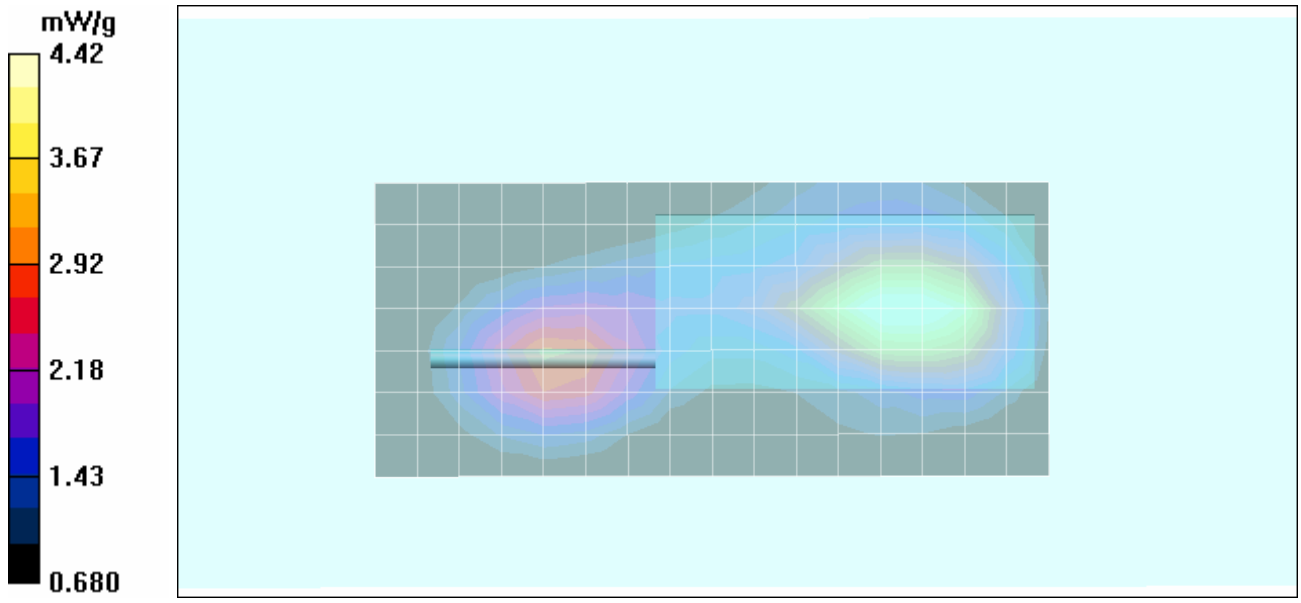
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.8°C; Fluid Temp: 22.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 800 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 800 MHz; σ = 0.93 mho/m; ε_r = 56; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.69 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.5 V/m; Power Drift = -0.356 dB
Peak SAR (extrapolated) = 4.75 W/kg
SAR(1 g) = 4.23 mW/g; SAR(10 g) = 3.28 mW/g
Maximum value of SAR (measured) = 4.42 mW/g
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.5 V/m; Power Drift = -0.356 dB
Peak SAR (extrapolated) = 3.86 W/kg
SAR(1 g) = 3.14 mW/g; SAR(10 g) = 2.24 mW/g
Maximum value of SAR (measured) = 3.33 mW/g



Date Tested: 05/13/2009

SAR RE-EVALUATION AT 3.4 WATTS CONDUCTED OUTPUT POWER LEVEL (MAX. TOLERANCE)

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

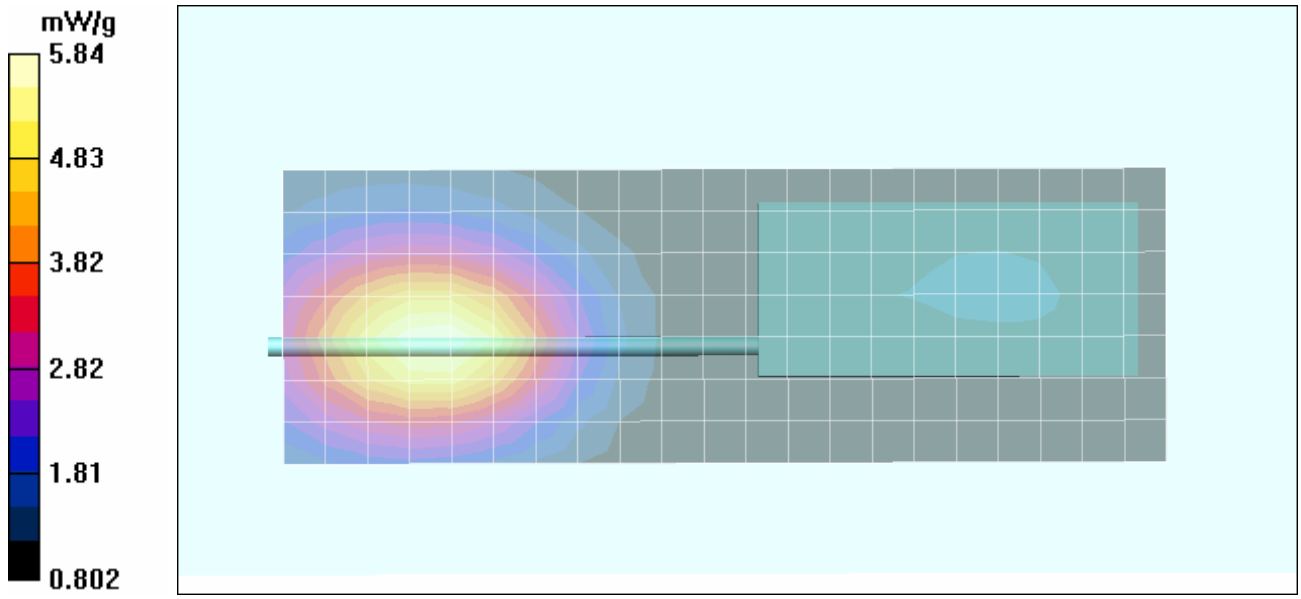
Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.8°C; Fluid Temp: 22.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.93 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.07 mW/g
Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.06 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 6.56 W/kg
SAR(1 g) = 5.5 mW/g; SAR(10 g) = 4.06 mW/g
Maximum value of SAR (measured) = 5.84 mW/g



Date Tested: 05/13/2009

SAR RE-EVALUATION AT 3.4 WATTS CONDUCTED OUTPUT POWER LEVEL (MAX. TOLERANCE)

Body-worn SAR - System Radio - KRE1011506/1 Antenna - Ni-Cd NIS Battery - 815.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

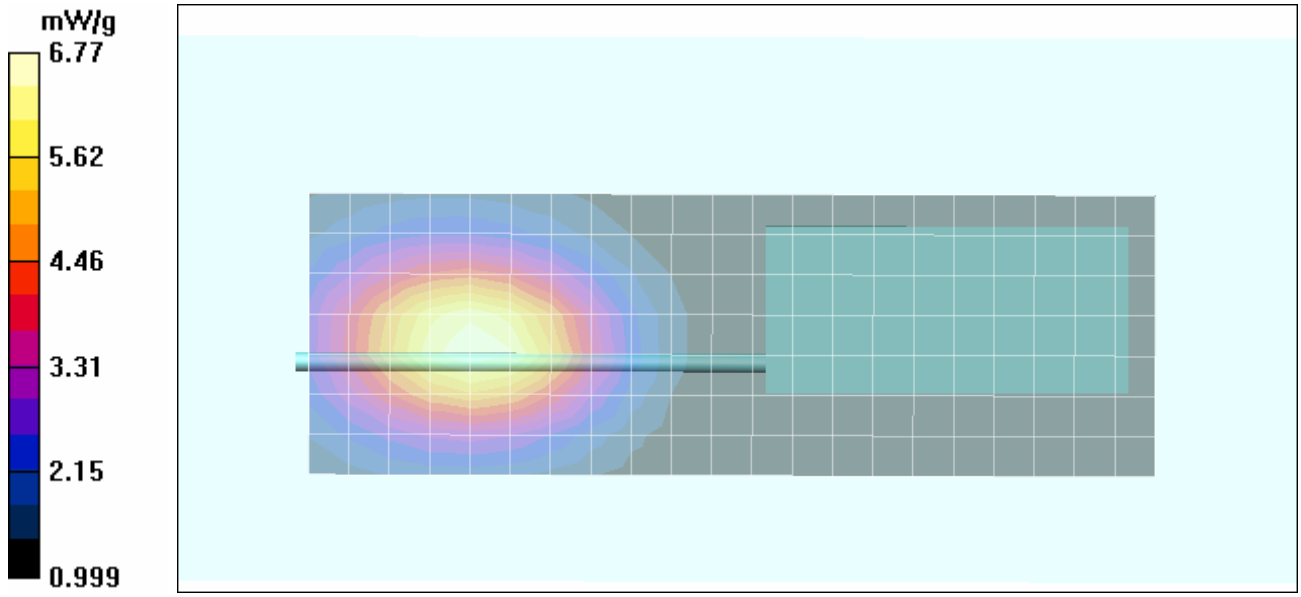
Body-worn Accessory: Nylon T-Strap Holder (P/N: KRY1011656/1)
Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.8°C; Fluid Temp: 22.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

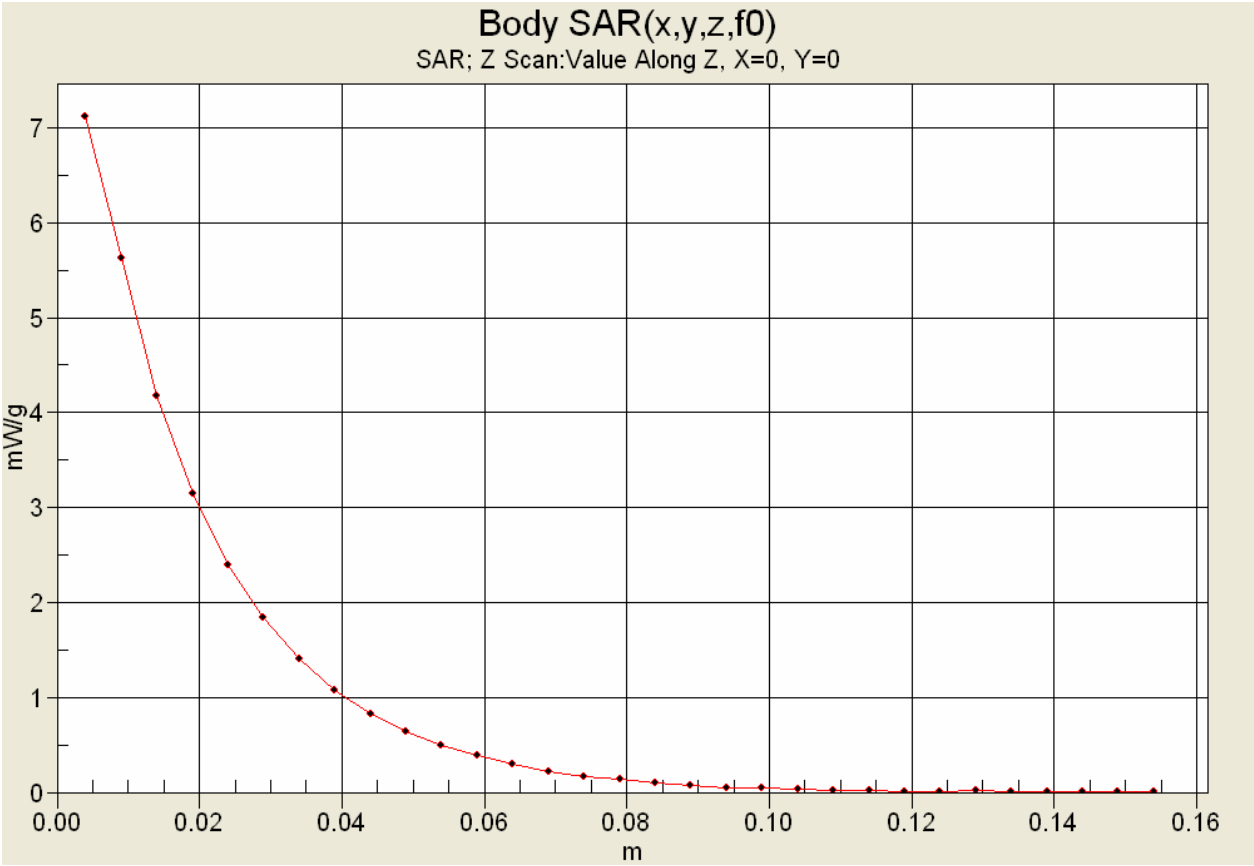
Communication System: CW
Frequency: 815 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 815 MHz; σ = 0.93 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 2.0 cm T-Strap Holder Spacing from Back Side of DUT to Planar Phantom
Area Scan (8x22x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.48 mW/g
Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.80 V/m; Power Drift = -0.166 dB
Peak SAR (extrapolated) = 7.55 W/kg
SAR(1 g) = 6.37 mW/g; SAR(10 g) = 4.7 mW/g
Maximum value of SAR (measured) = 6.77 mW/g



Z-Axis Scan


Body SAR(x,y,z,f0)
SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
m
0
1
2
3
4
5
6
7
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16

Date Tested: 05/13/2009

SAR RE-EVALUATION AT 3.4 WATTS CONDUCTED OUTPUT POWER LEVEL (MAX. TOLERANCE)

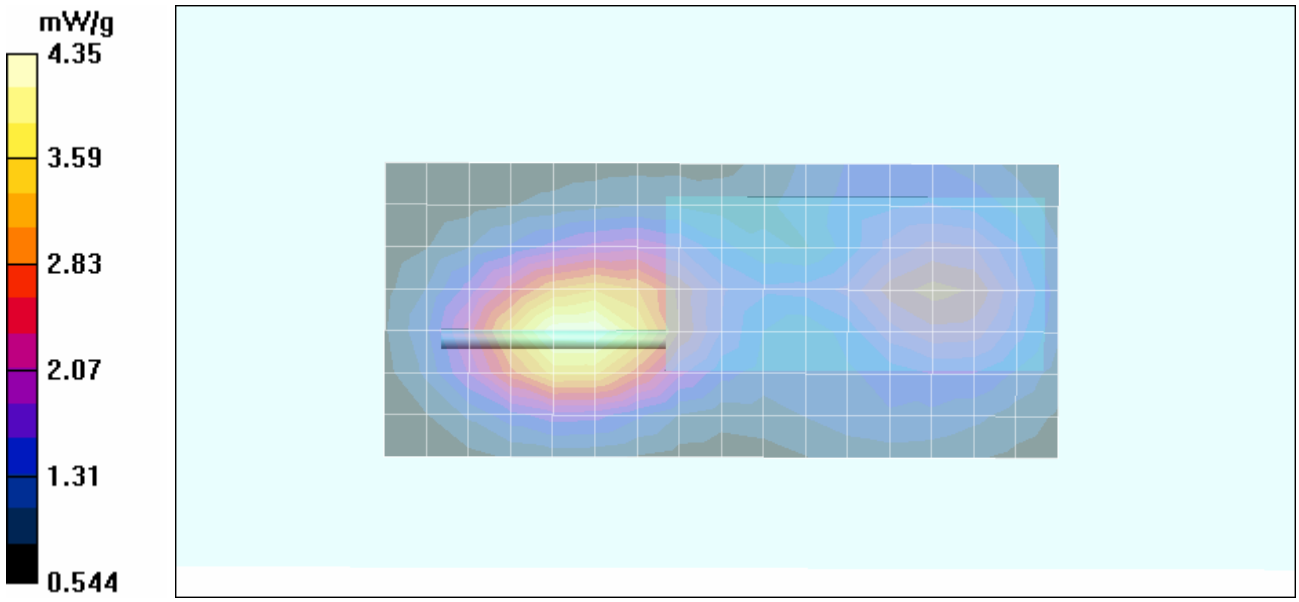
Body-worn SAR - System Radio - KRE1011506/2 Antenna - Li-ion NIS Battery - 860.00000 MHz

DUT: M/A-COM Model: P7300; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: T2-DB-004

Body-worn Accessory: Metal Belt-Clip P/N: CC23894; Audio Accessory: Speaker-Microphone P/N: MC-023933-001

Ambient Temp: 22.8°C; Fluid Temp: 22.0°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW
Frequency: 860 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 860 MHz; σ = 0.99 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.39, 6.39, 6.39); Calibrated: 21/07/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.1 cm Belt-Clip Spacing from Back of DUT to Planar Phantom
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.35 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.9 V/m; Power Drift = -0.240 dB
Peak SAR (extrapolated) = 5.00 W/kg
SAR(1 g) = 4.09 mW/g; SAR(10 g) = 2.92 mW/g
Maximum value of SAR (measured) = 4.35 mW/g