M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.7 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 5.45 mW/g, SAR (10g): 3.79 mW/g

Body-Worn SAR with Leather Case/Belt-Loop (KRY1011638/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.7cm Leather Case/Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band Low Channel [851.0125 MHz]
Conducted Power: 3.22 Watts
Ambient Temp: 21.5°C; Fluid Temp: 21.3°C
Date Tested: October 30, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.7 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 5.11 mW/g, SAR (10g): 3.53 mW/g

Body-Worn SAR with Leather Case/Belt-Loop (KRY1011638/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.7cm Leather Case/Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band High Channel [868.9875 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.5°C; Fluid Temp: 21.3°C
Date Tested: October 30, 2002

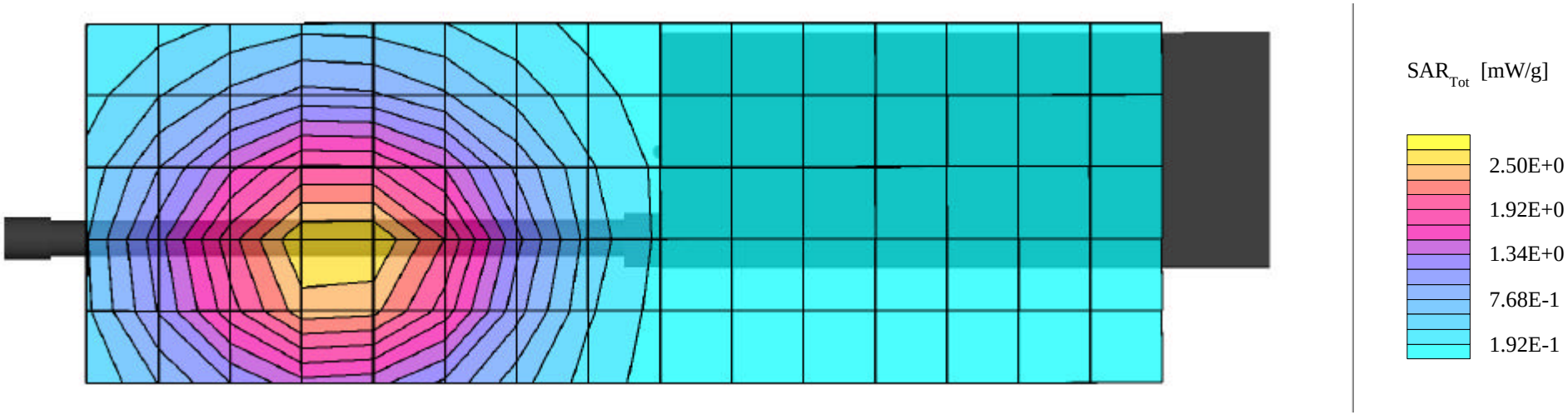
Body-worn SAR Test Plots (with Nylon Case, Belt-Loop, & Speaker-Microphone)

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 2.60 mW/g, SAR (10g): 1.90 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device

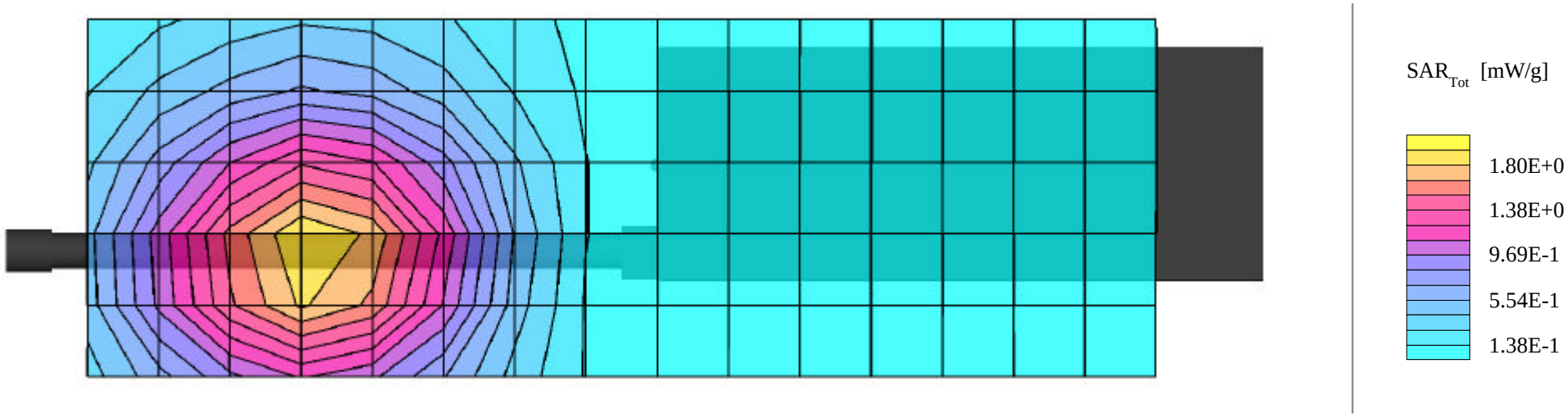


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 1.83 mW/g, SAR (10g): 1.32 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device

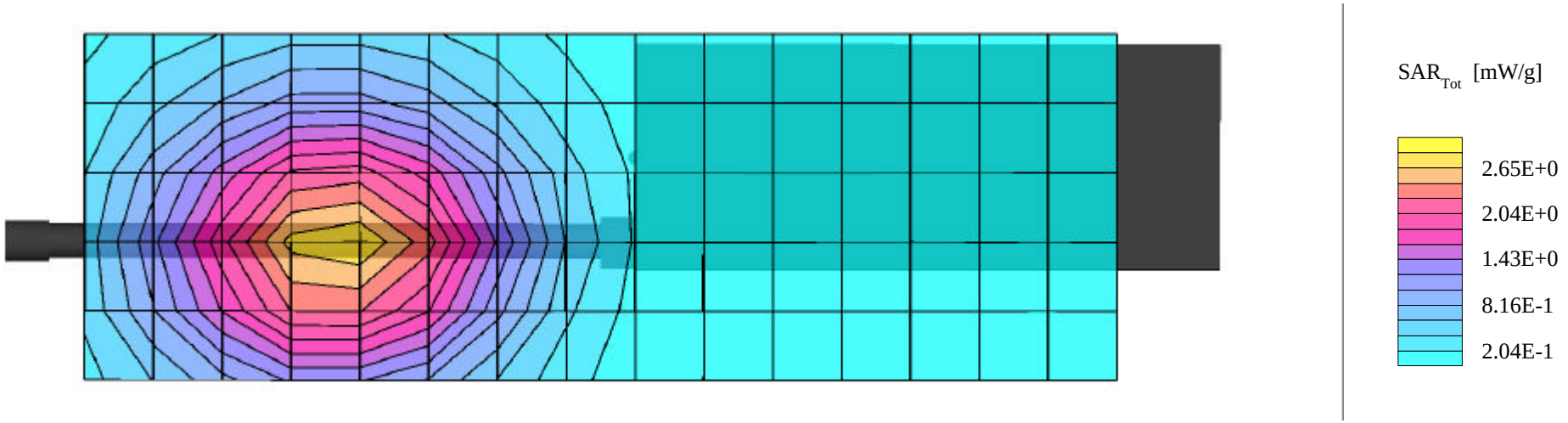


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 2.68 mW/g, SAR (10g): 1.96 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device

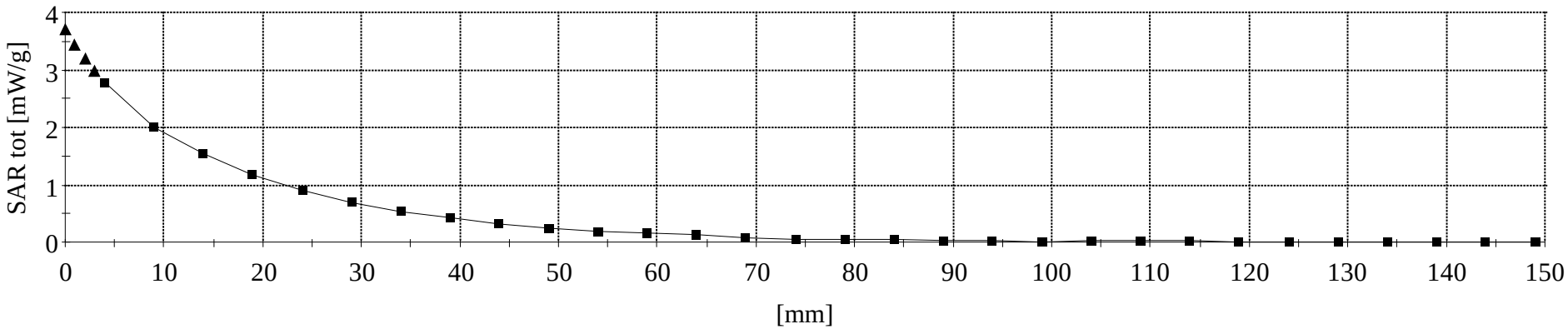


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3

Z-Axis Extrapolation at Peak SAR Location

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

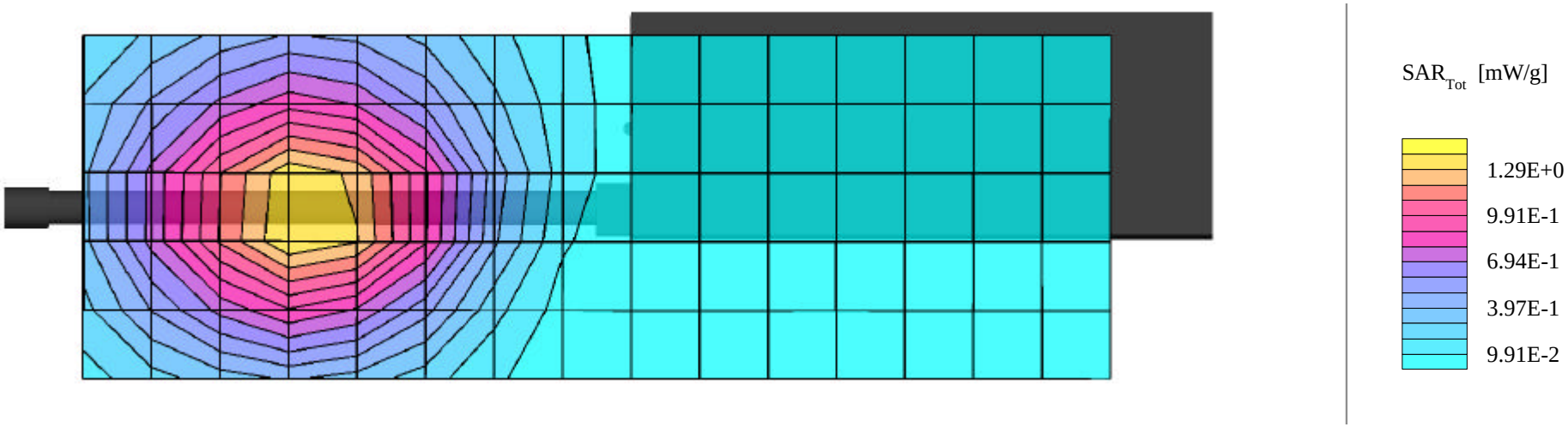


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 1.30 mW/g, SAR (10g): 0.930 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device



M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 2.65 mW/g, SAR (10g): 1.93 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Low Channel [806.0125 MHz]
Conducted Power: 3.38 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 2.36 mW/g, SAR (10g): 1.72 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band High Channel [823.9875 MHz]
Conducted Power: 3.33 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 1.63 mW/g, SAR (10g): 1.18 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Low Channel [851.0125 MHz]
Conducted Power: 3.22 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 1.36 mW/g, SAR (10g): 0.981 mW/g

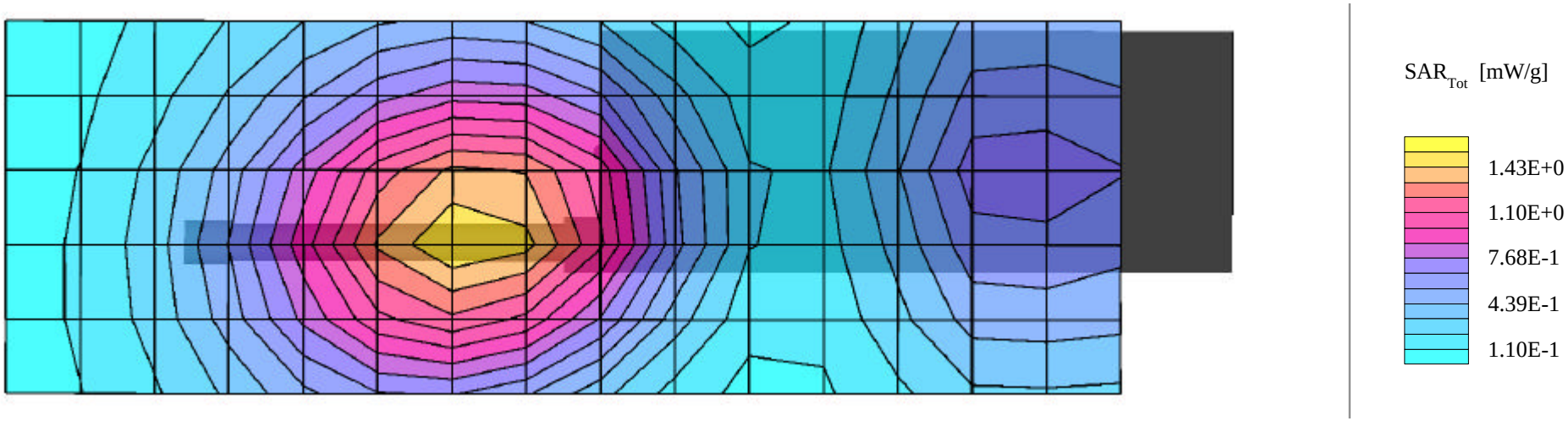
Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band High Channel [868.9875 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 1.37 mW/g, SAR (10g): 0.999 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device

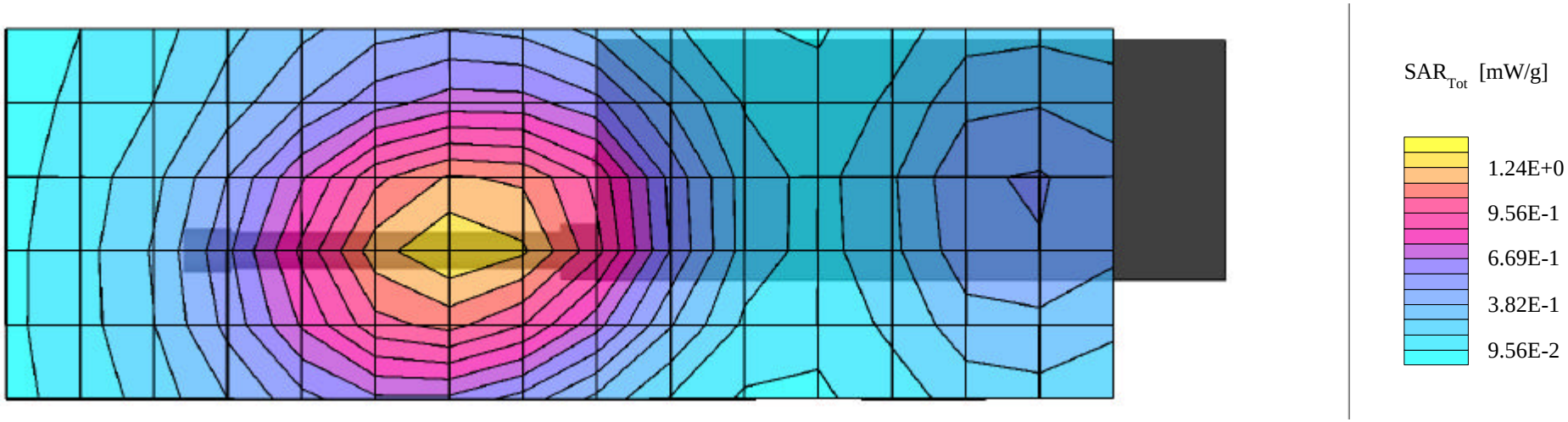


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 1.27 mW/g, SAR (10g): 0.917 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device

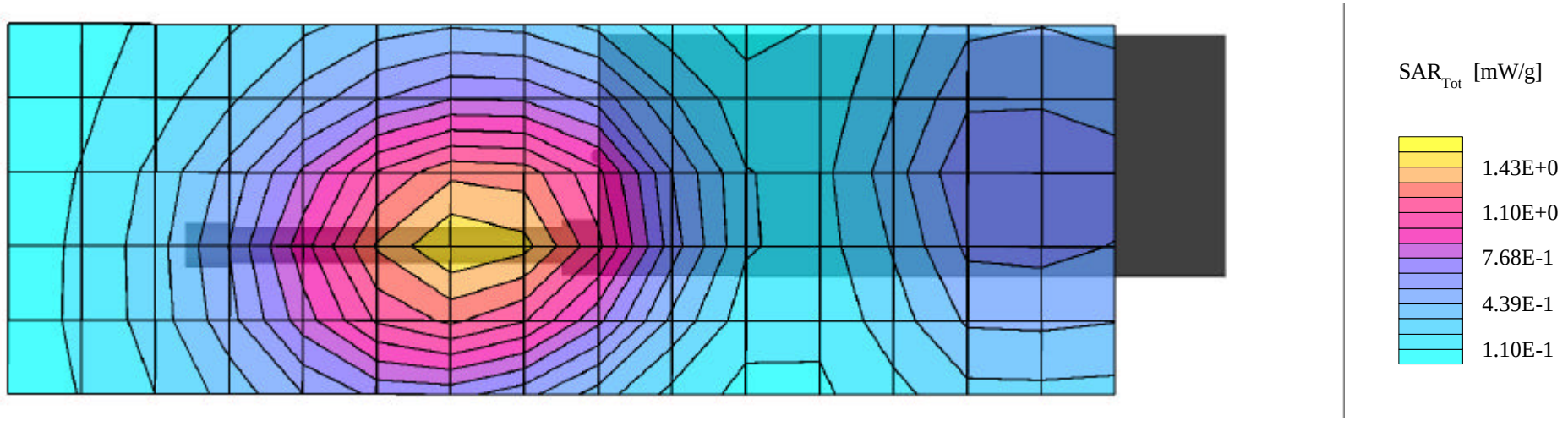


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 1.39 mW/g, SAR (10g): 1.01 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device

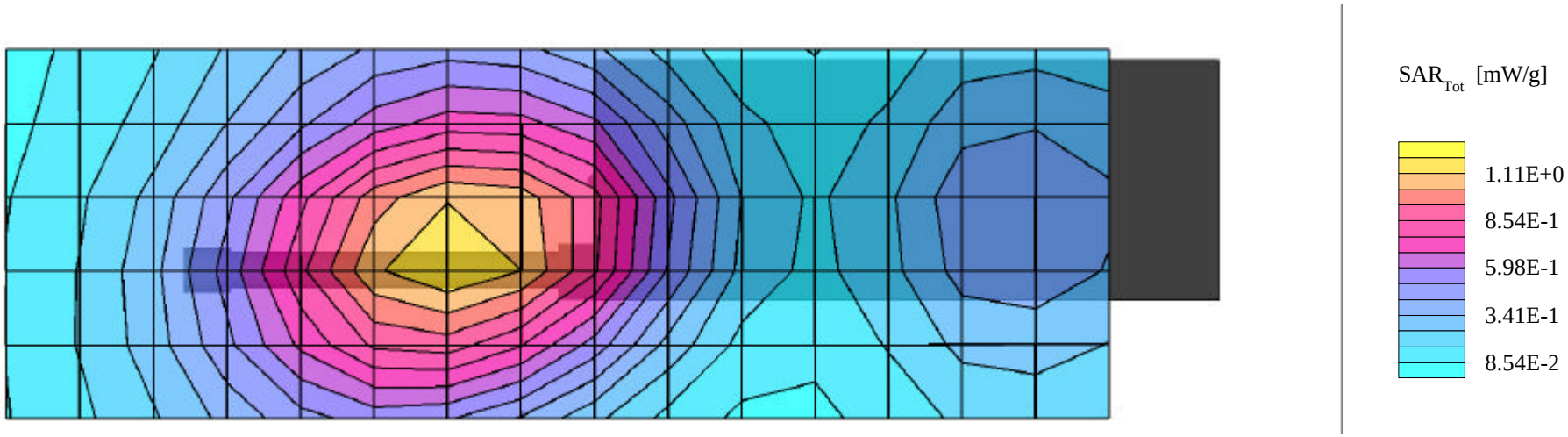


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.19 dB
SAR (1g): 1.15 mW/g, SAR (10g): 0.835 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

This large area scan is intended to show the peak SAR location relative to the device



M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 1.45 mW/g, SAR (10g): 1.05 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Low Channel [806.0125 MHz]
Conducted Power: 3.38 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 1.32 mW/g, SAR (10g): 0.964 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band High Channel [823.9875 MHz]
Conducted Power: 3.33 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 1.34 mW/g, SAR (10g): 0.972 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Low Channel [851.0125 MHz]
Conducted Power: 3.22 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.96 mho/m ε_r = 52.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 1.09 mW/g, SAR (10g): 0.790 mW/g

Nylon Case with Swivel (KRY1011648/1) & Leather Belt-Loop (19B226627G2)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
4.0cm Nylon Case & Belt-Loop Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band High Channel [868.9875 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 21.0°C; Fluid Temp: 21.4°C
Date Tested: October 31, 2002

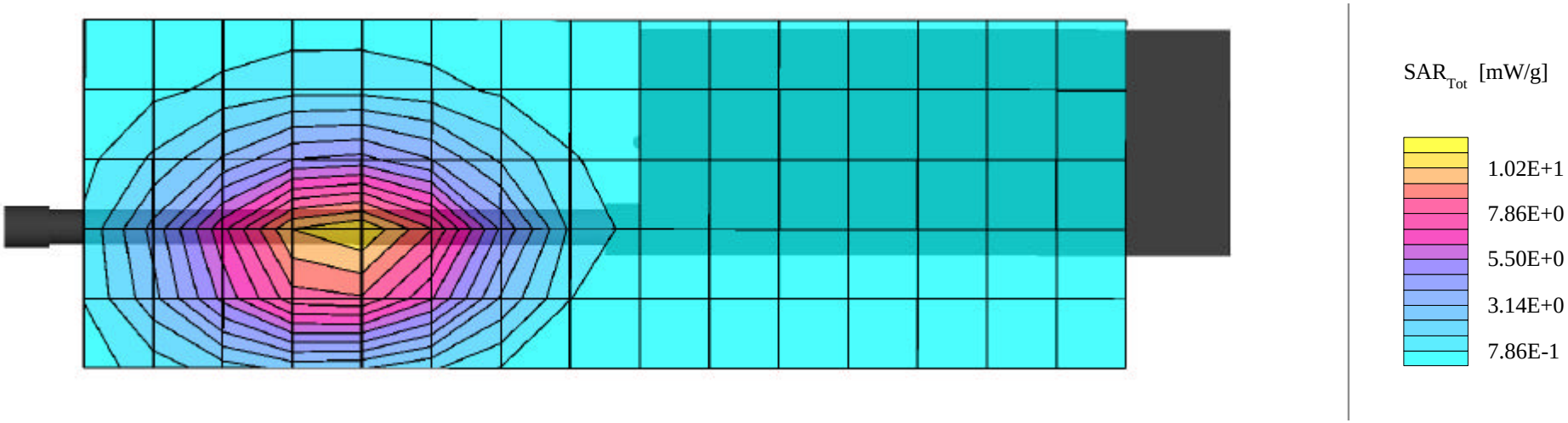
Body-worn SAR Test Plots (with Nylon T-Strap & Speaker-Microphone)

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 10.8 mW/g, SAR (10g): 7.52 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device

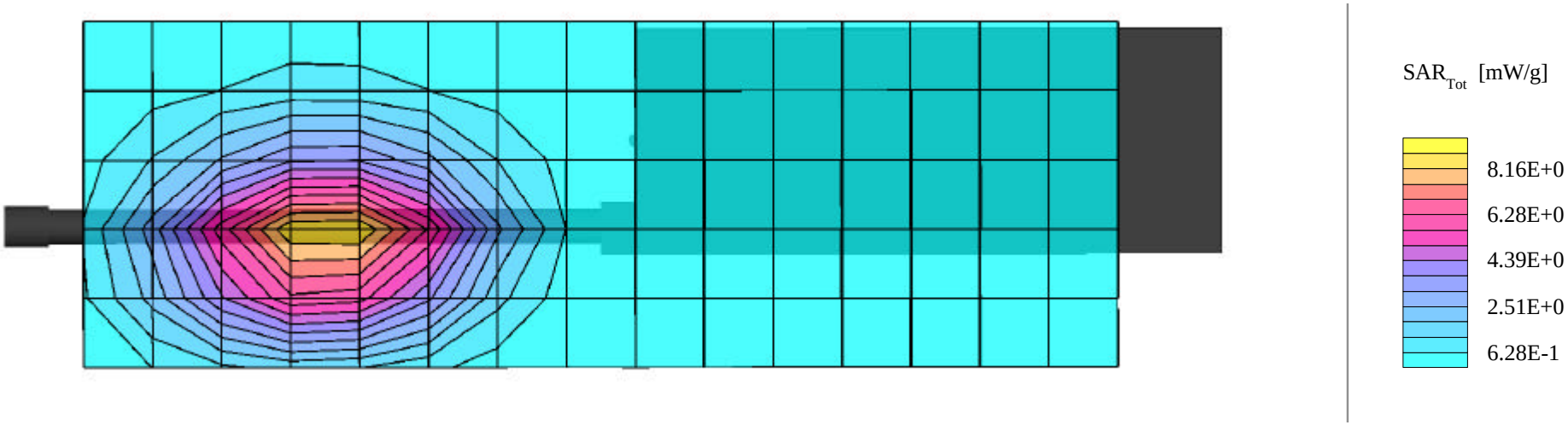


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 8.86 mW/g, SAR (10g): 5.98 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device

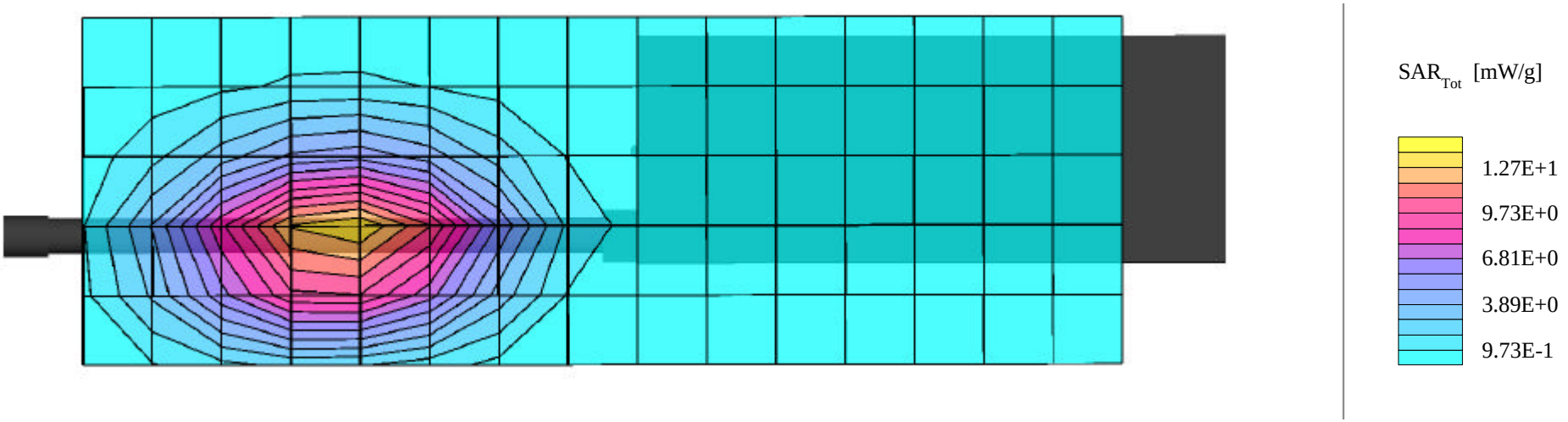


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 13.2 mW/g, SAR (10g): 8.97 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device

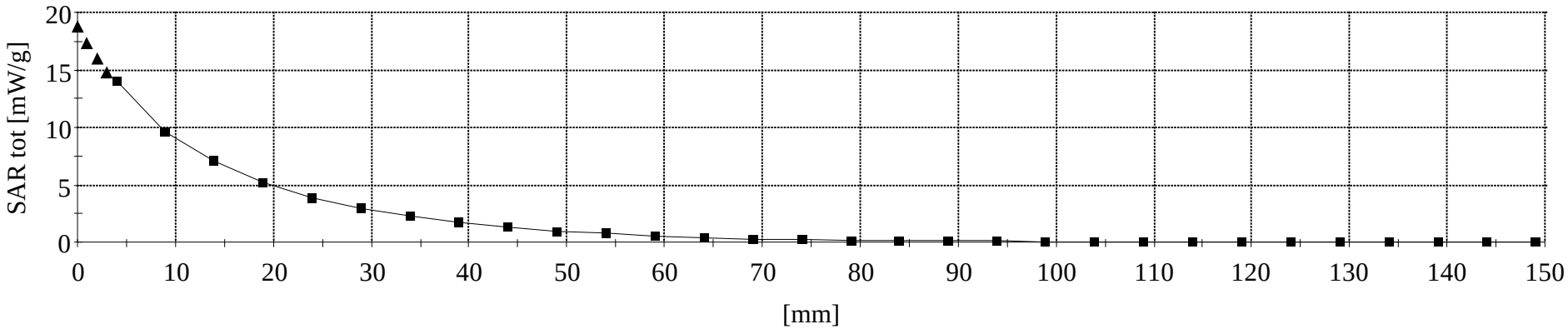


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3

Z-Axis Extrapolation at Peak SAR Location

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

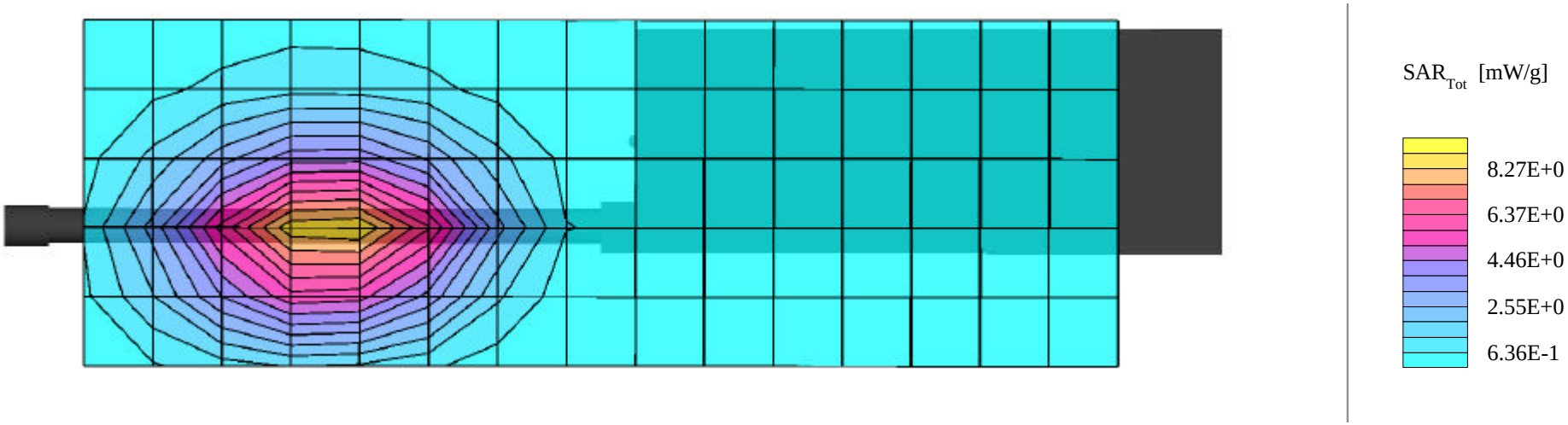


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.18 dB
SAR (1g): 8.48 mW/g, SAR (10g): 5.73 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device



M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 10.9 mW/g, SAR (10g): 7.57 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Low Channel [806.0125 MHz]
Conducted Power: 3.38 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 9.09 mW/g, SAR (10g): 6.34 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band High Channel [823.9875 MHz]
Conducted Power: 3.33 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 7.81 mW/g, SAR (10g): 5.36 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Low Channel [851.0125 MHz]
Conducted Power: 3.22 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 5.57 mW/g, SAR (10g): 3.84 mW/g

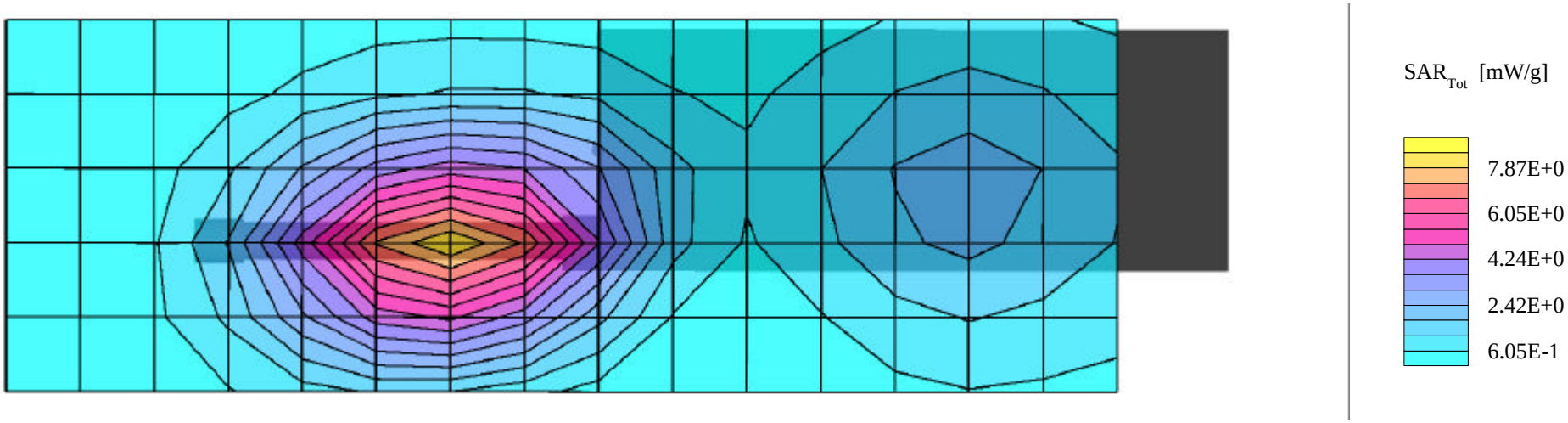
Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Flexible Gain Antenna (KRE1011506/1)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band High Channel [868.9875 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 7.68 mW/g, SAR (10g): 5.26 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device

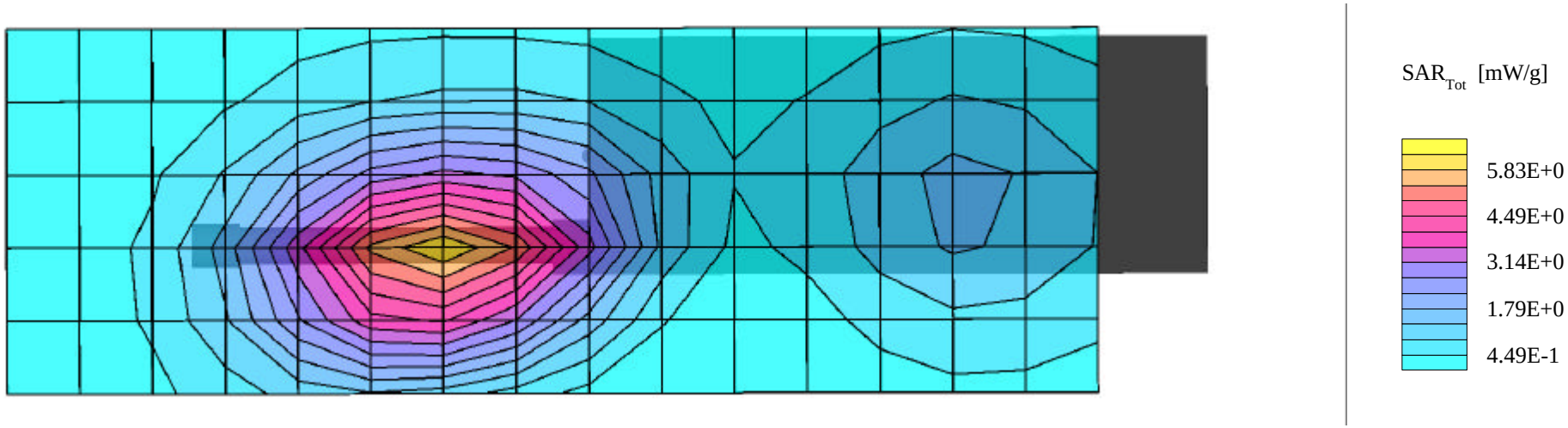


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 6.08 mW/g, SAR (10g): 4.14 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiMH Battery (BKB191210/4)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device

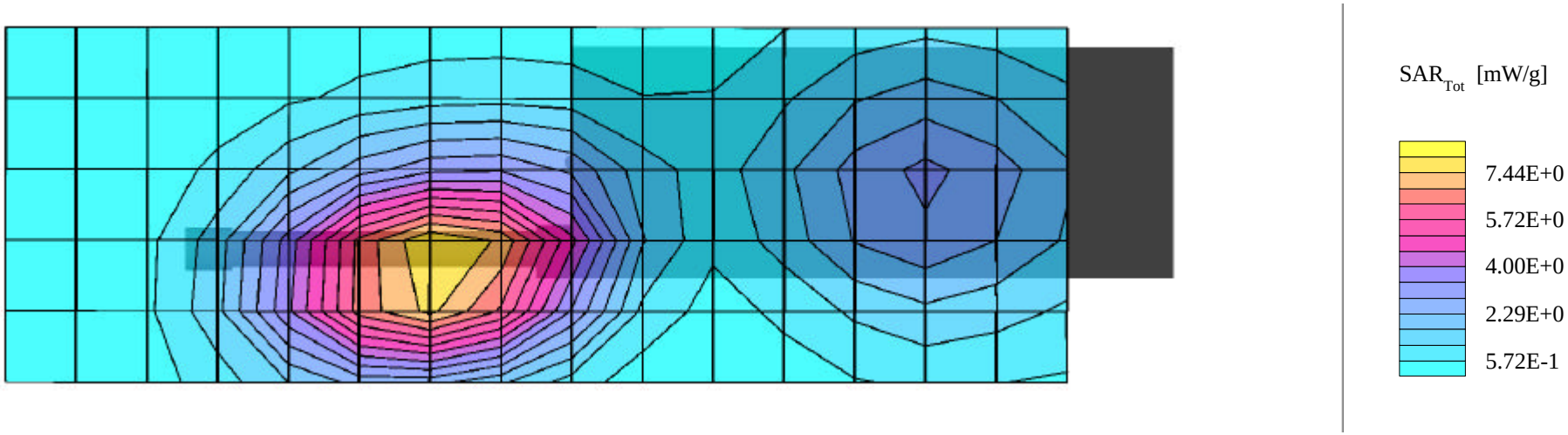


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 8.21 mW/g, SAR (10g): 5.66 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Mid Channel [815.5000 MHz]
Conducted Power: 3.35 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device

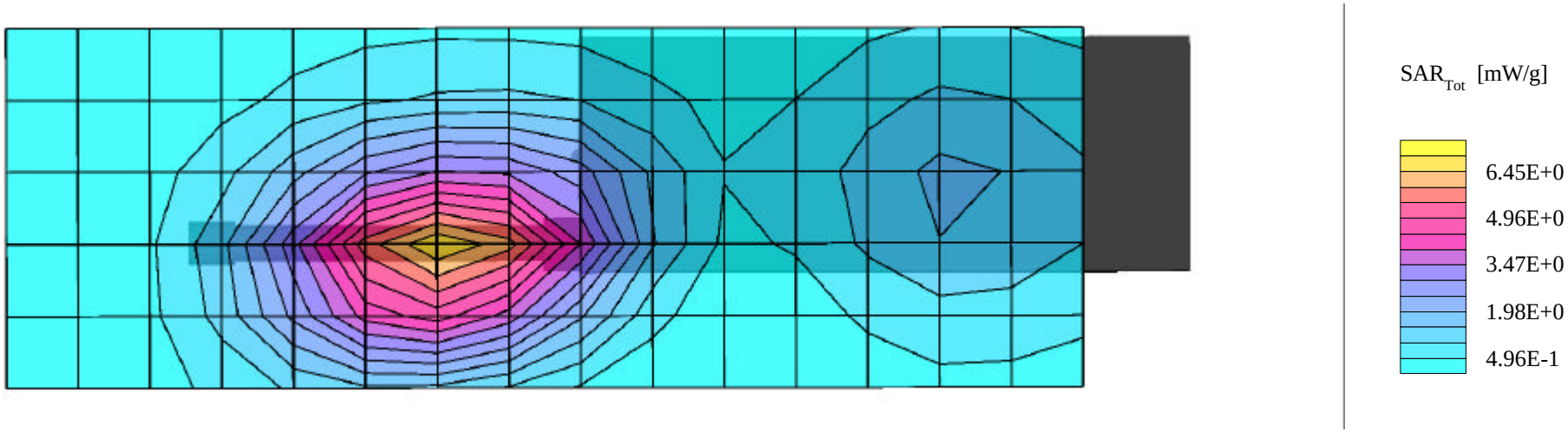


M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 6.81 mW/g, SAR (10g): 4.63 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band Mid Channel [863.0000 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

This large area scan is intended to show the peak SAR location relative to the device



M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 9.78 mW/g, SAR (10g): 6.74 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band Low Channel [806.0125 MHz]
Conducted Power: 3.38 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.20 dB
SAR (1g): 7.94 mW/g, SAR (10g): 5.44 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
Low Band High Channel [823.9875 MHz]
Conducted Power: 3.33 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.22 dB
SAR (1g): 7.95 mW/g, SAR (10g): 5.45 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band Low Channel [851.0125 MHz]
Conducted Power: 3.22 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0
835 MHz Muscle: σ = 0.98 mho/m ε_r = 54.0 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.21 dB
SAR (1g): 7.41 mW/g, SAR (10g): 5.03 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
with Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)
1.6cm T-Strap Separation Distance to Planar Phantom
J7100(PI) Portable FM PTT Radio Transceiver
Whip Antenna (KRE1011223/01)
NiCd Battery (BKB191210/3)
Continuous Wave Mode
High Band High Channel [868.9875 MHz]
Conducted Power: 3.18 Watts
Ambient Temp: 22.0°C; Fluid Temp: 21.8°C
Date Tested: November 01, 2002

APPENDIX B - SYSTEM VALIDATION

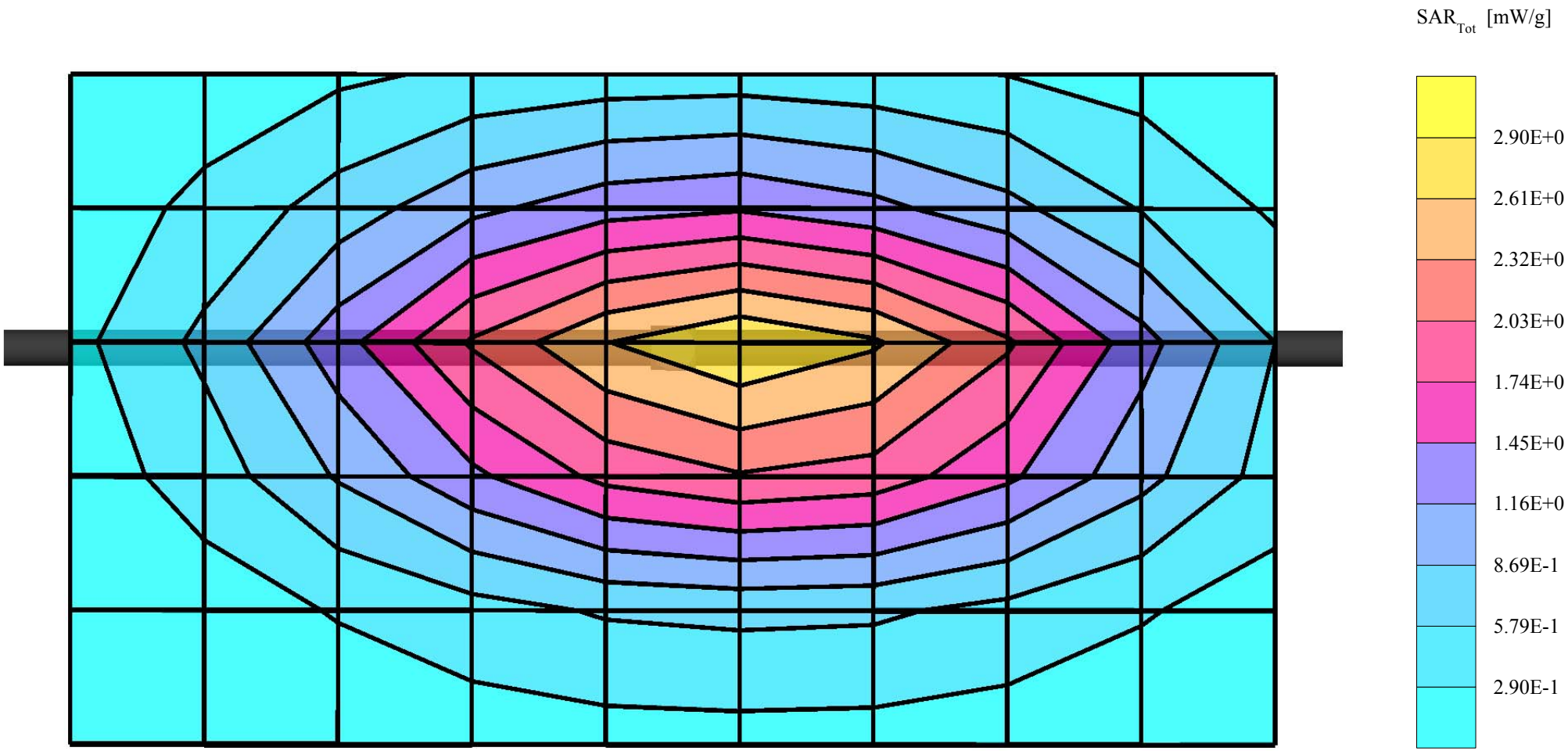
Dipole 900 MHz

SAM Phantom; Flat Section

Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0; 900 MHz Brain: σ = 0.97 mho/m ε_r = 39.8 ρ = 1.00 g/cm^3

Cube 5x5x7: Peak: 4.42 mW/g, SAR (1g): 2.67 mW/g, SAR (10g): 1.66 mW/g, (Worst-case extrapolation)

Penetration depth: 11.0 (9.7, 12.7) [mm]; Ambient Temp: 21.6°C; Fluid Temp: 23.0°C; Powerdrift: -0.02 dB

Forward Conducted Power: 250 mW

Validation Date: October 24, 2002