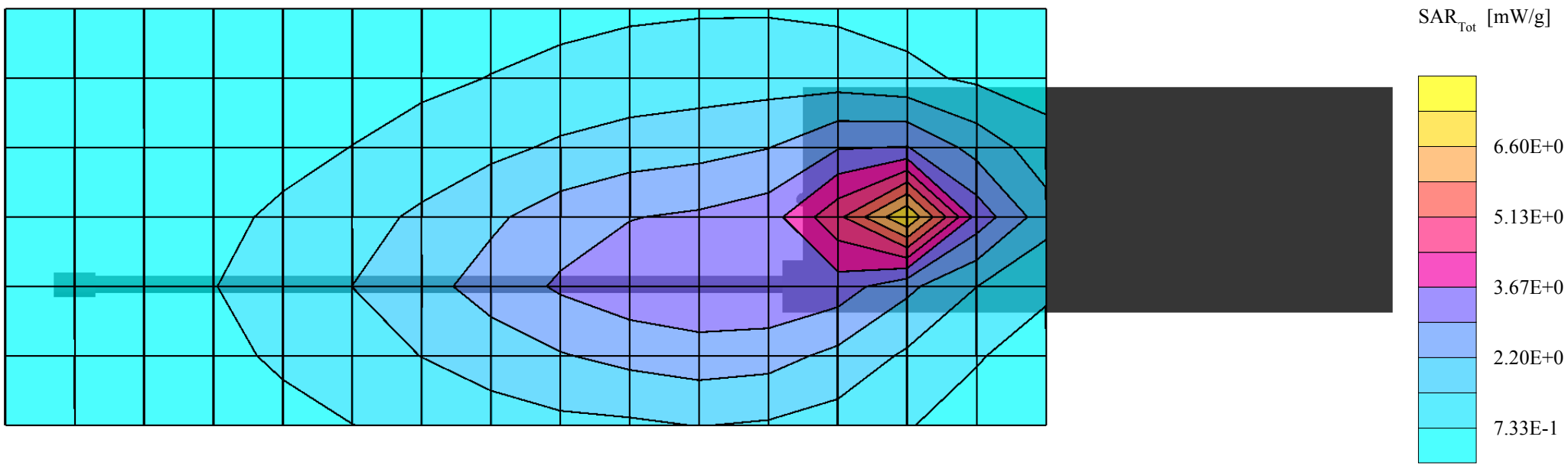
M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 5.85 mW/g, SAR (10g): 3.19 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.52 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

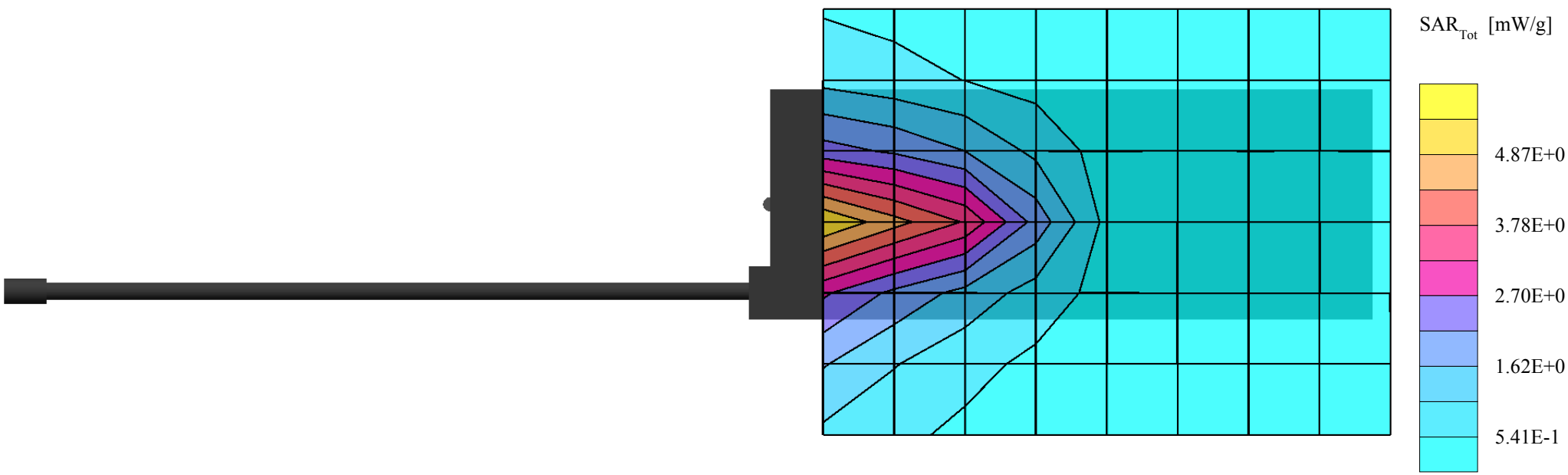


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.52 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

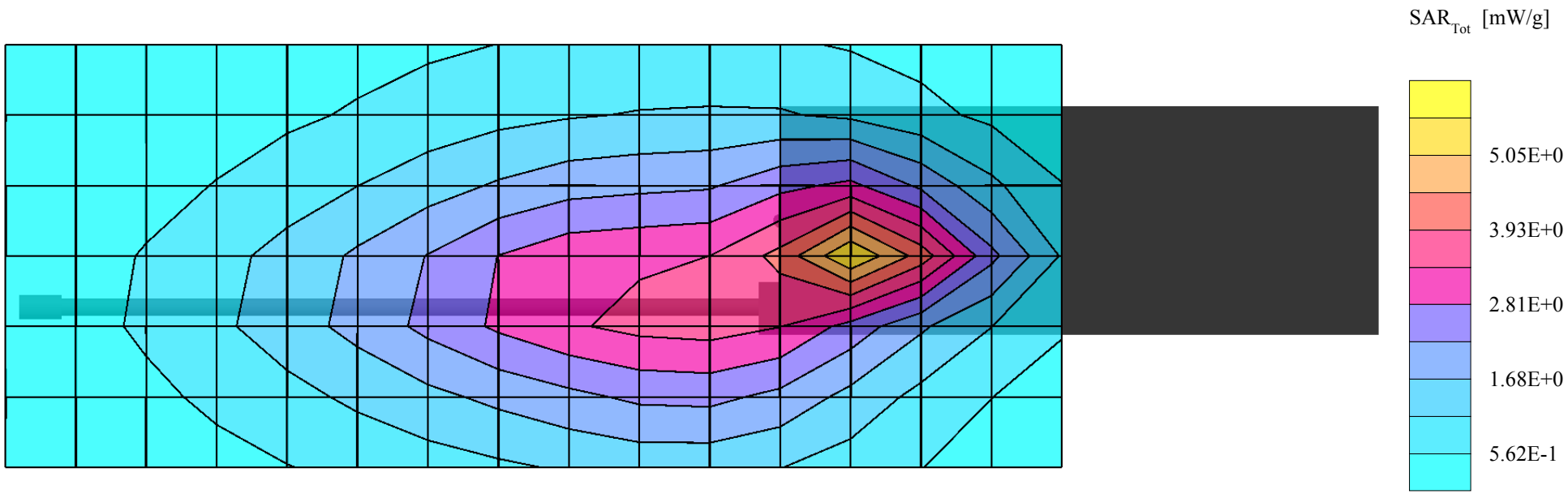


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 6.04 mW/g, SAR (10g): 3.18 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

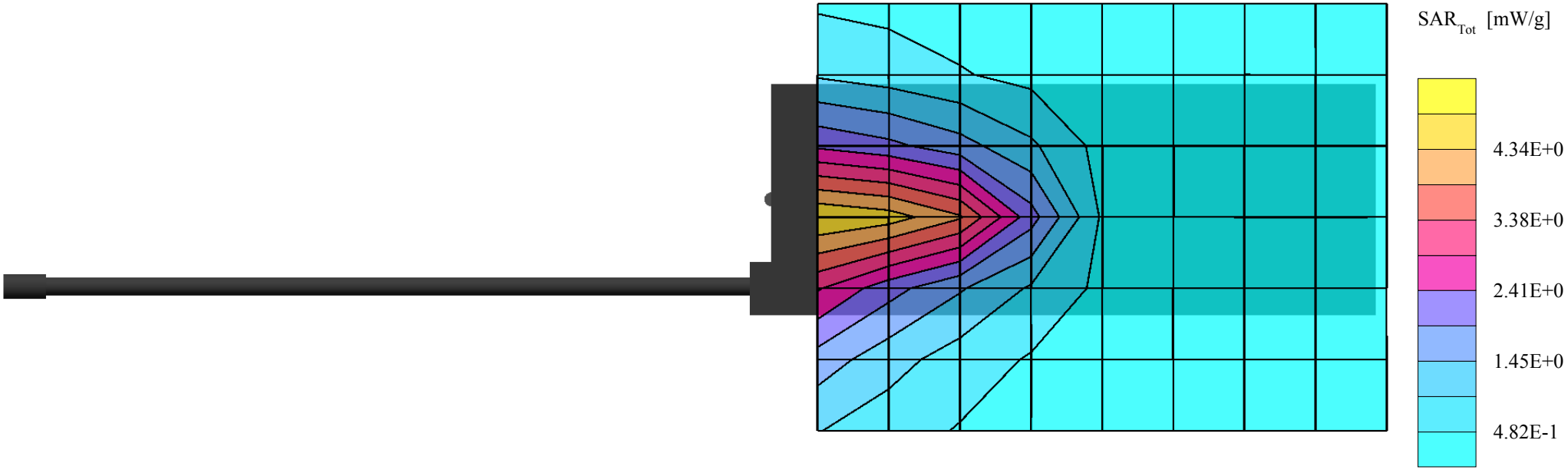


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

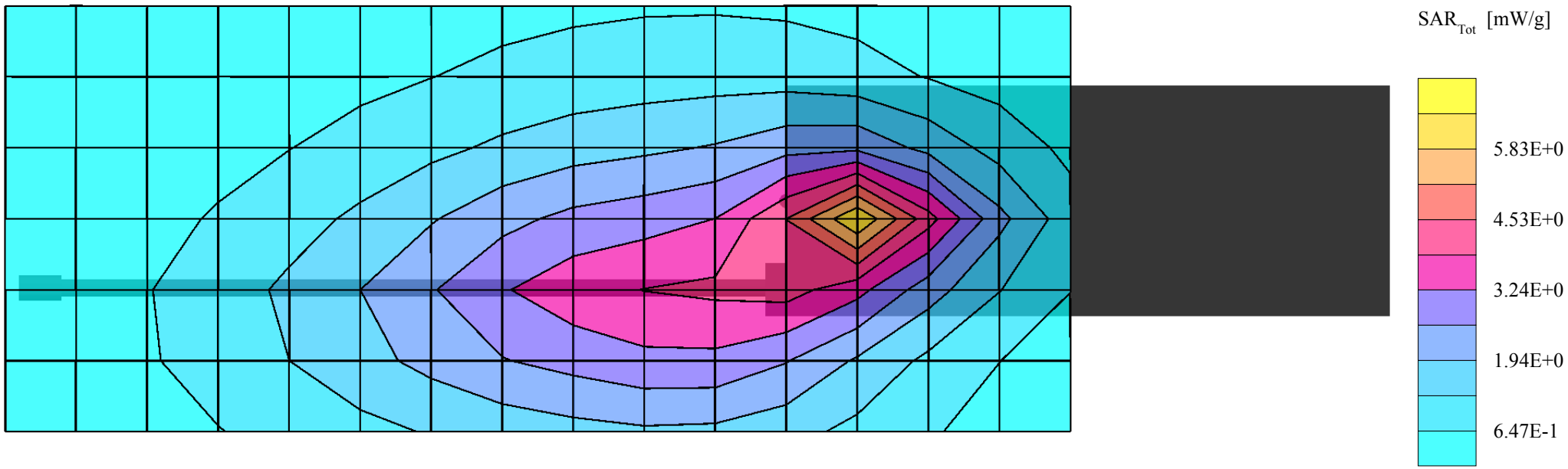


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 6.67 mW/g, SAR (10g): 3.47 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.54 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

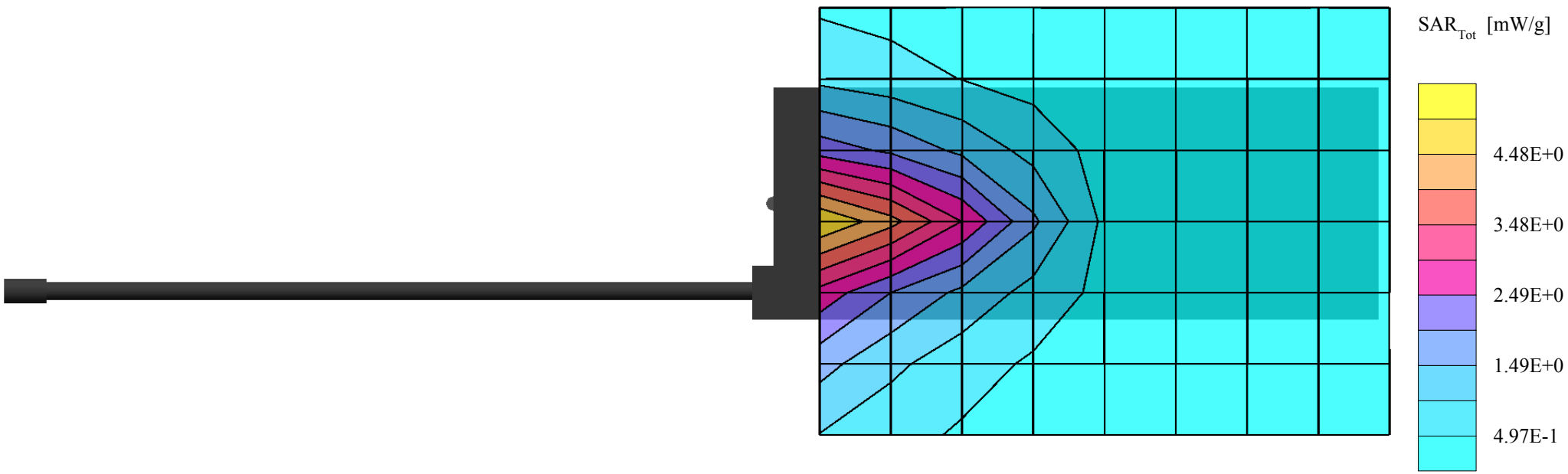


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.54 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio



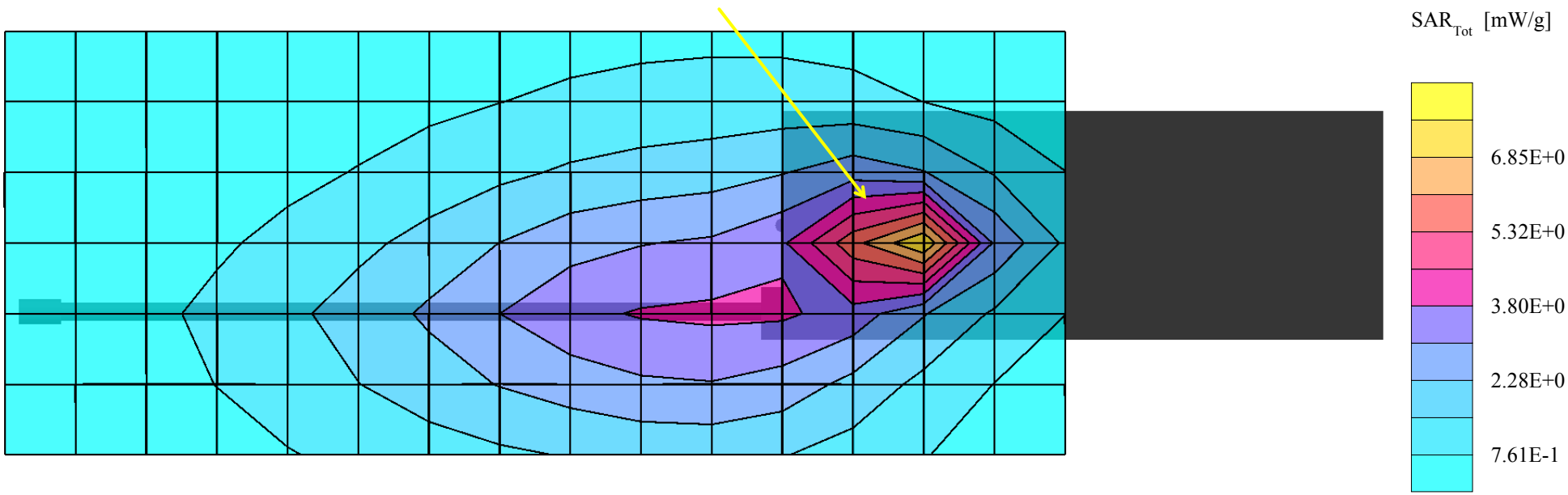
M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 6.75 mW/g, SAR (10g): 3.52 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

Primary Hotspot Evaluation

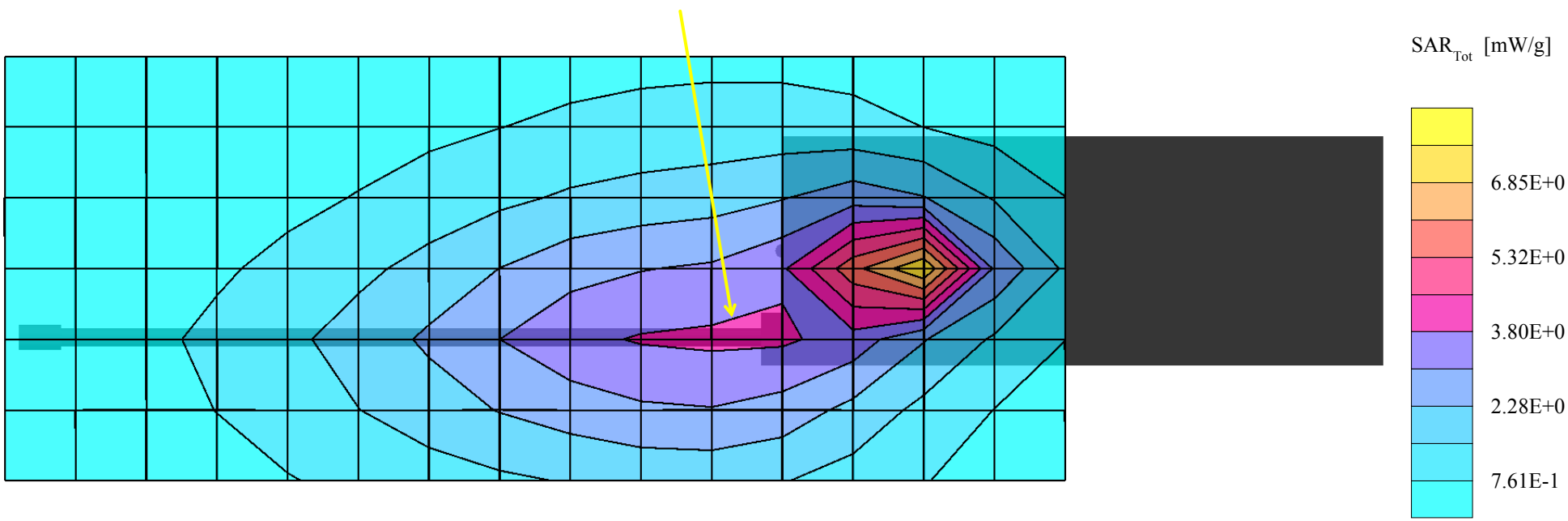


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 3.75 mW/g, SAR (10g): 2.75 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Secondary Hotspot Evaluation

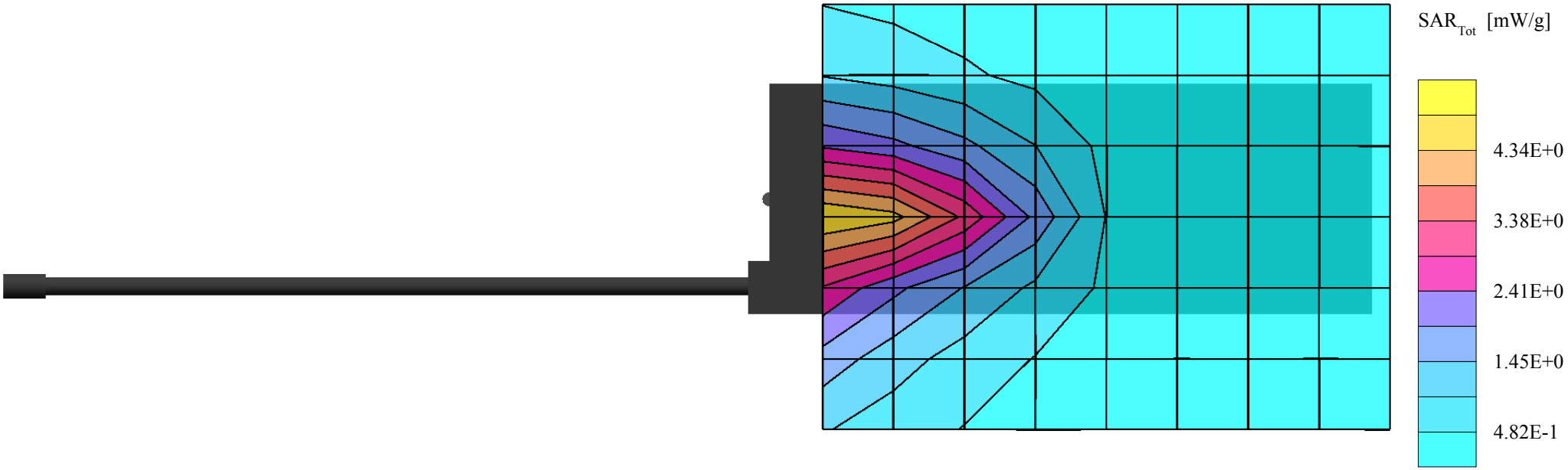


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

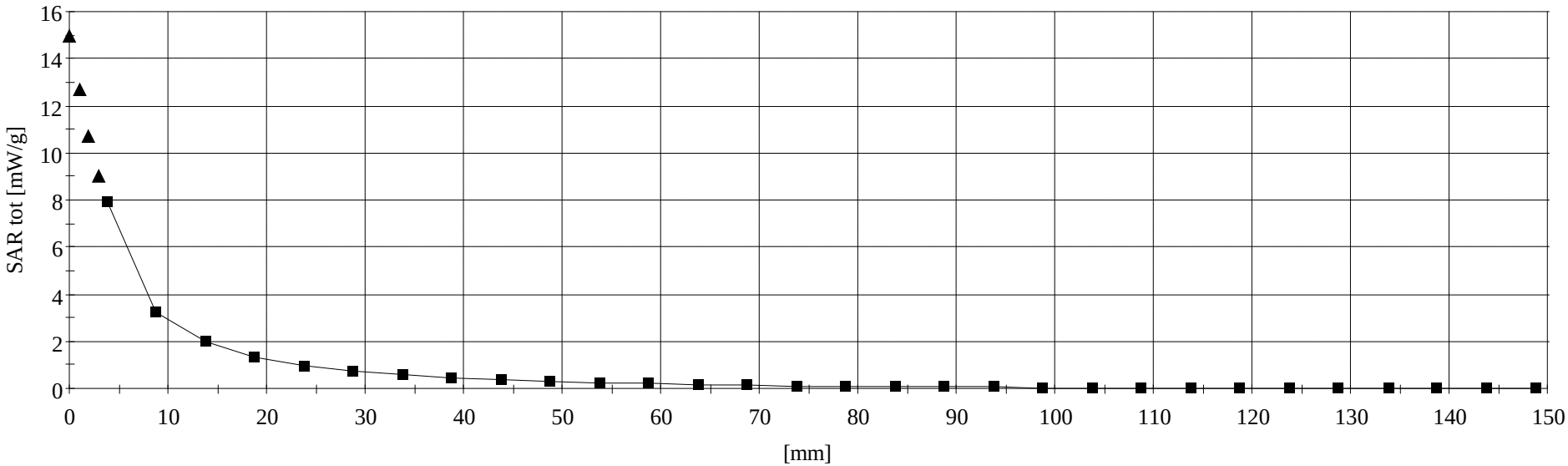


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3

Z-Axis Extrapolation at Peak SAR Location

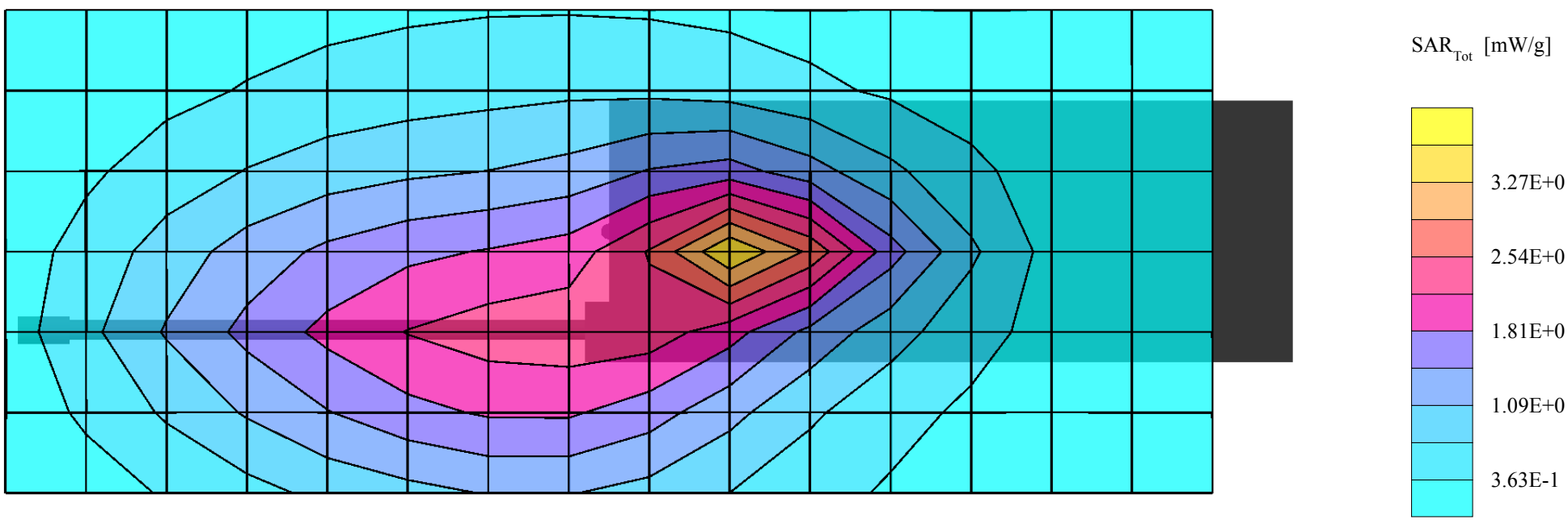
Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 4.10 mW/g, SAR (10g): 2.15 mW/g

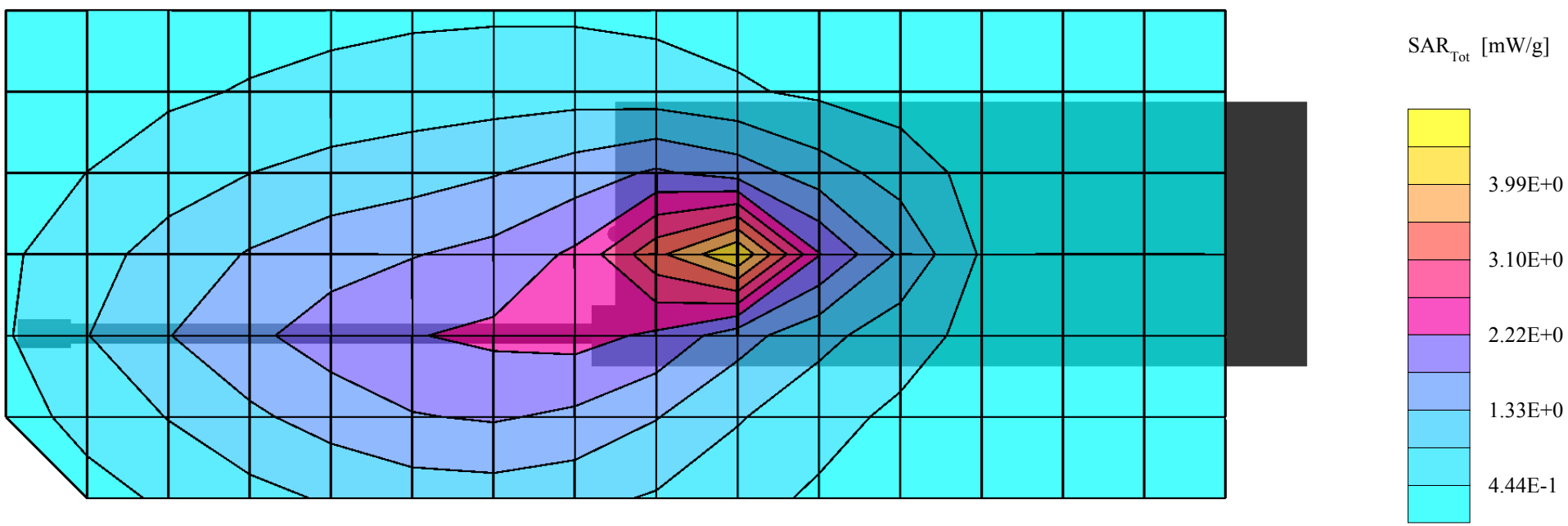
Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.54 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 4.01 mW/g, SAR (10g): 2.13 mW/g

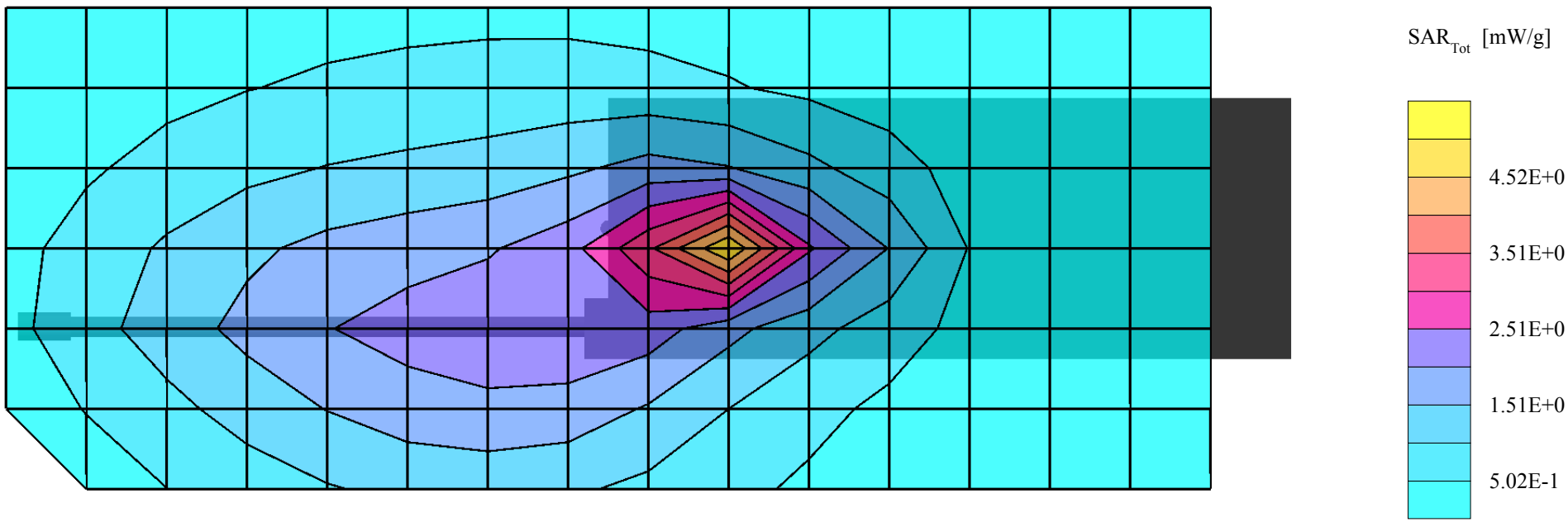
Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiCd Battery Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.54 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 4.24 mW/g, SAR (10g): 2.22 mW/g

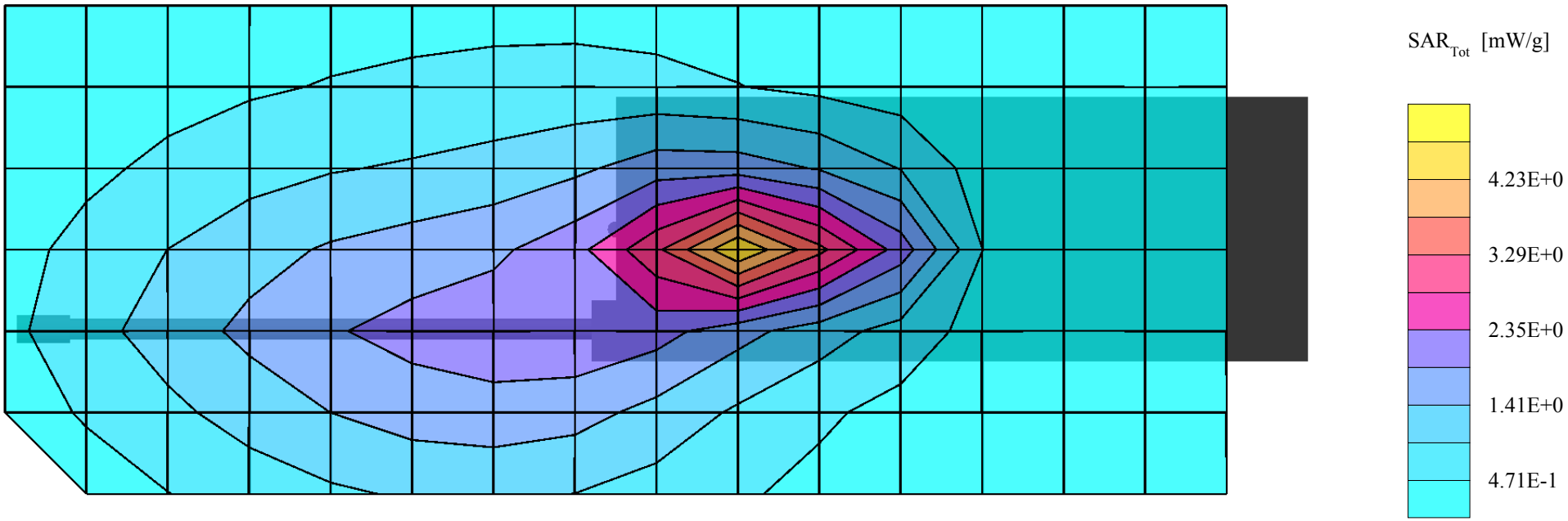
Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.57 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 4.21 mW/g, SAR (10g): 2.29 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1)
1.1 cm Belt-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.57 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

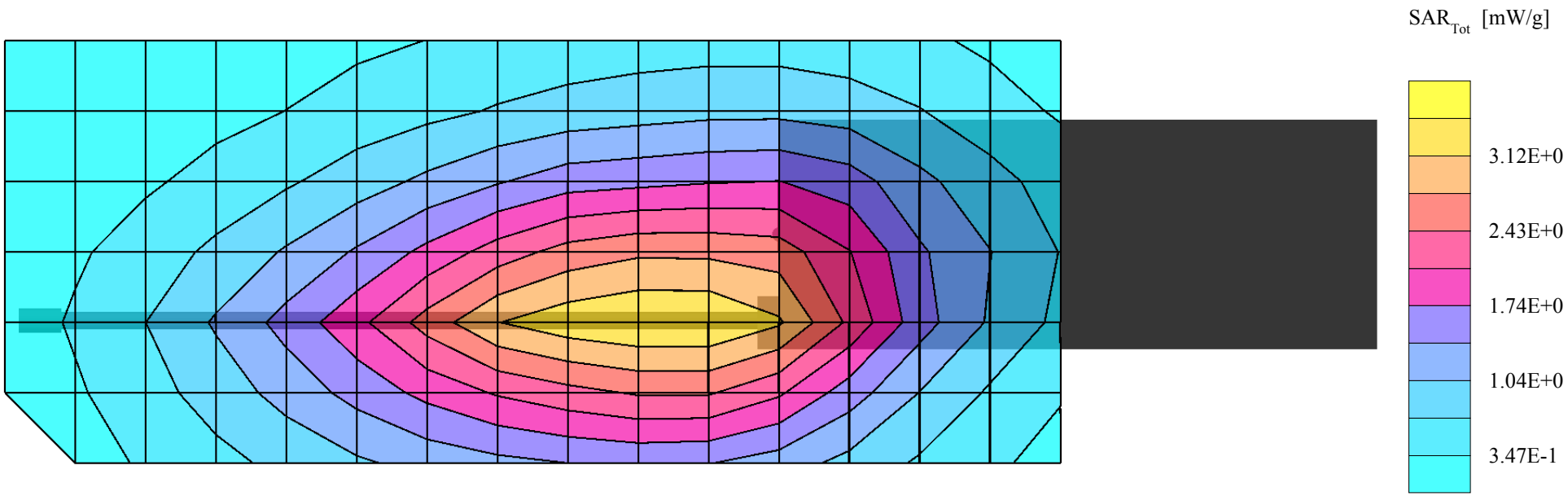


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.88 mW/g, SAR (10g): 2.10 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

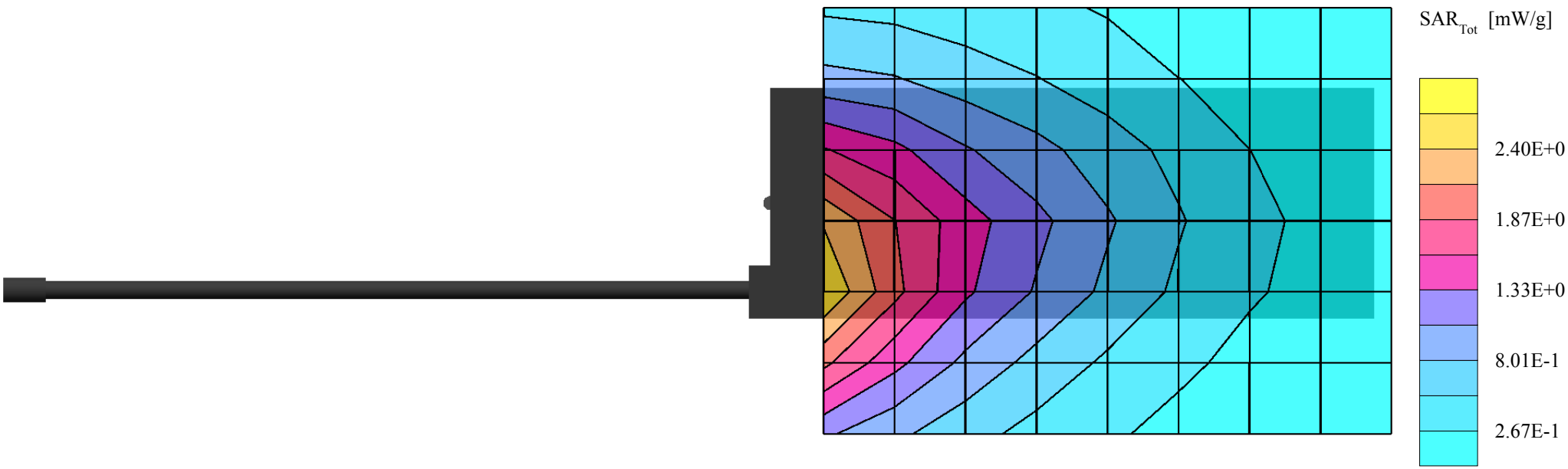


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Time sweep

SAR VERSUS TIME (30 minutes)

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
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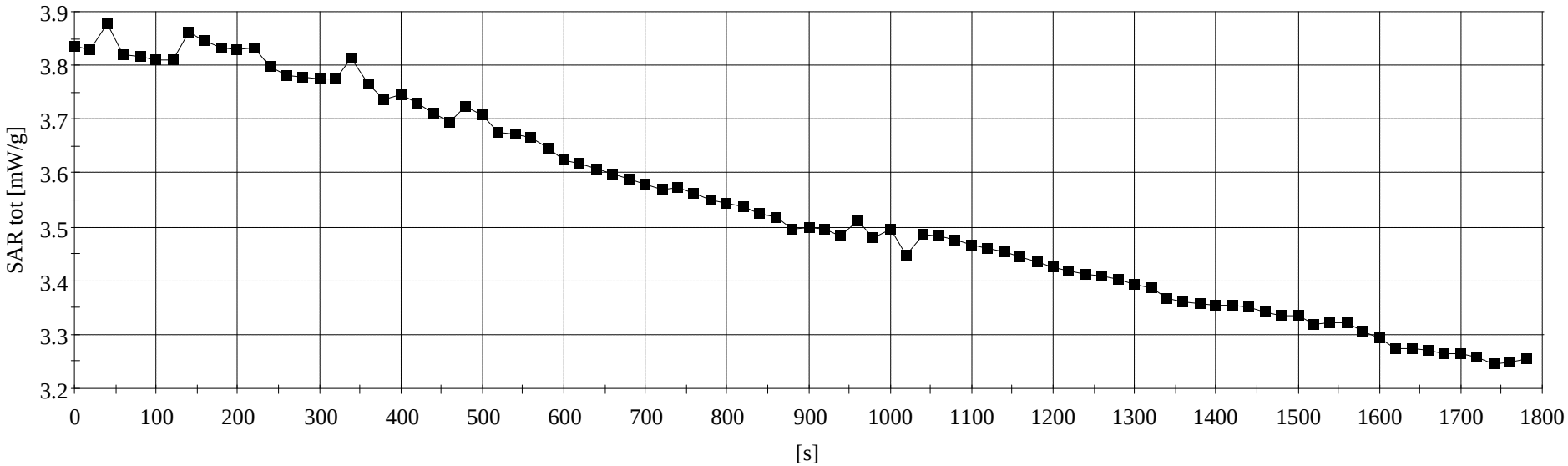
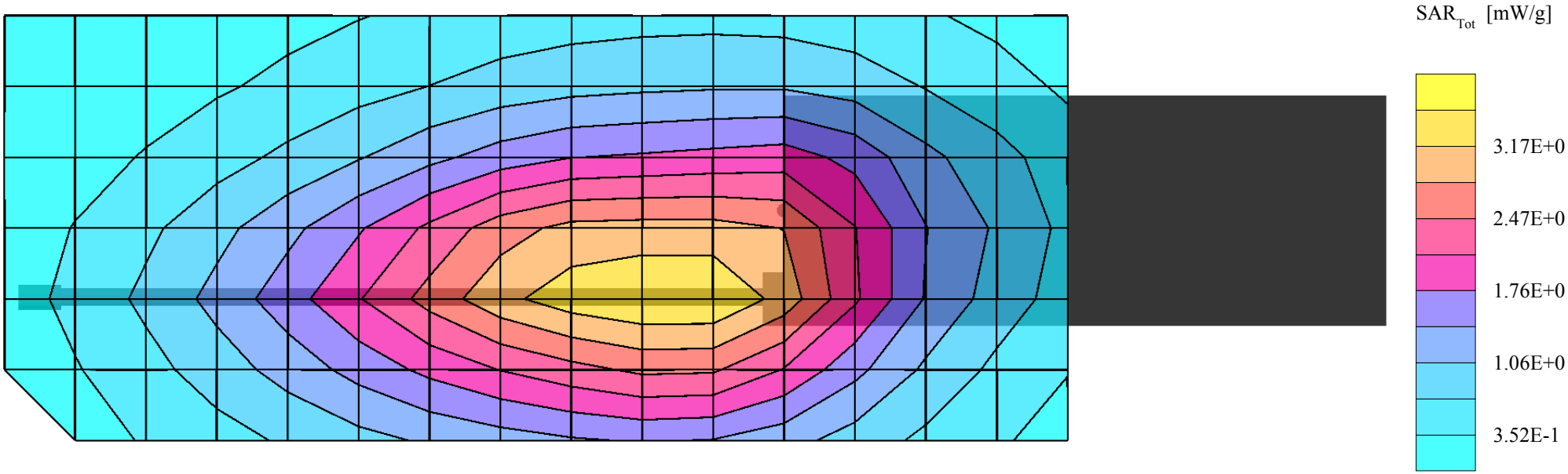


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 3.32 mW/g, SAR (10g): 2.41 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

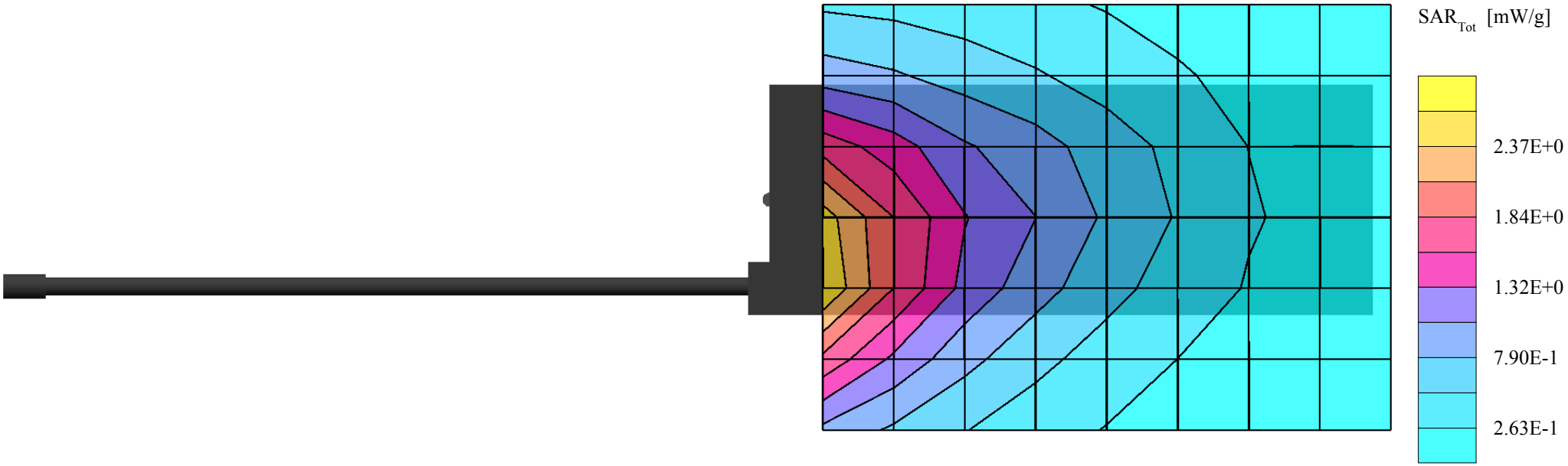


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

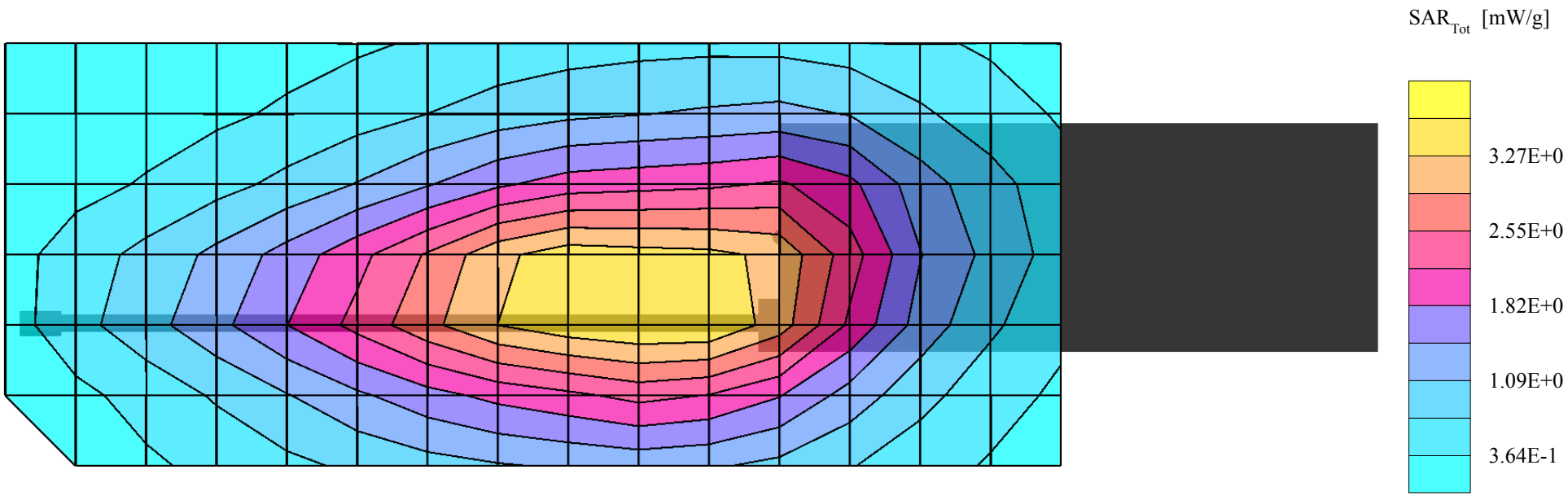


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 3.61 mW/g, SAR (10g): 2.57 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

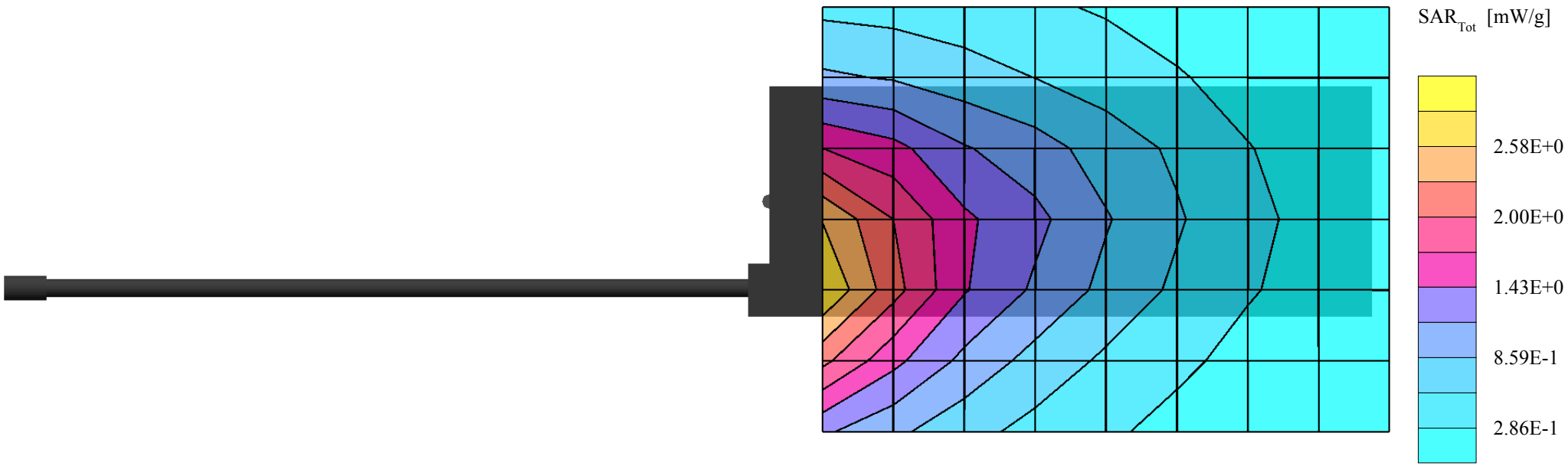


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

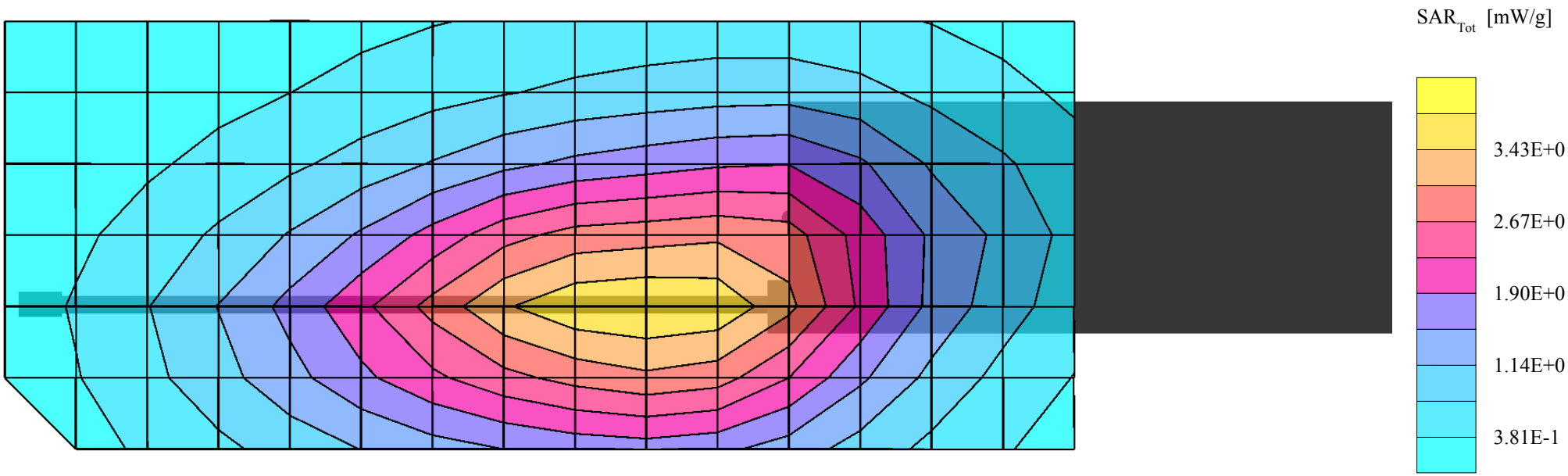


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 3.55 mW/g, SAR (10g): 2.57 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

Cube Scan to show Peak Scan Location

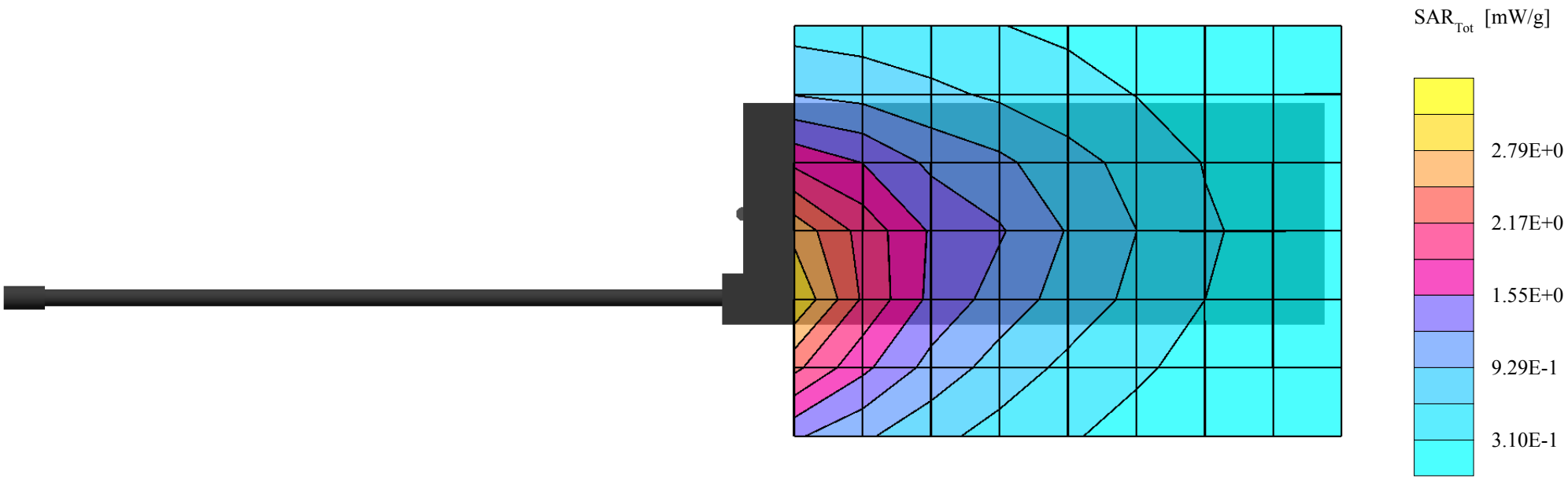


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.82 mho/m ε_r = 61.1 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 23.9°C; Fluid Temp. 23.5°C
Date Tested: June 19, 2003

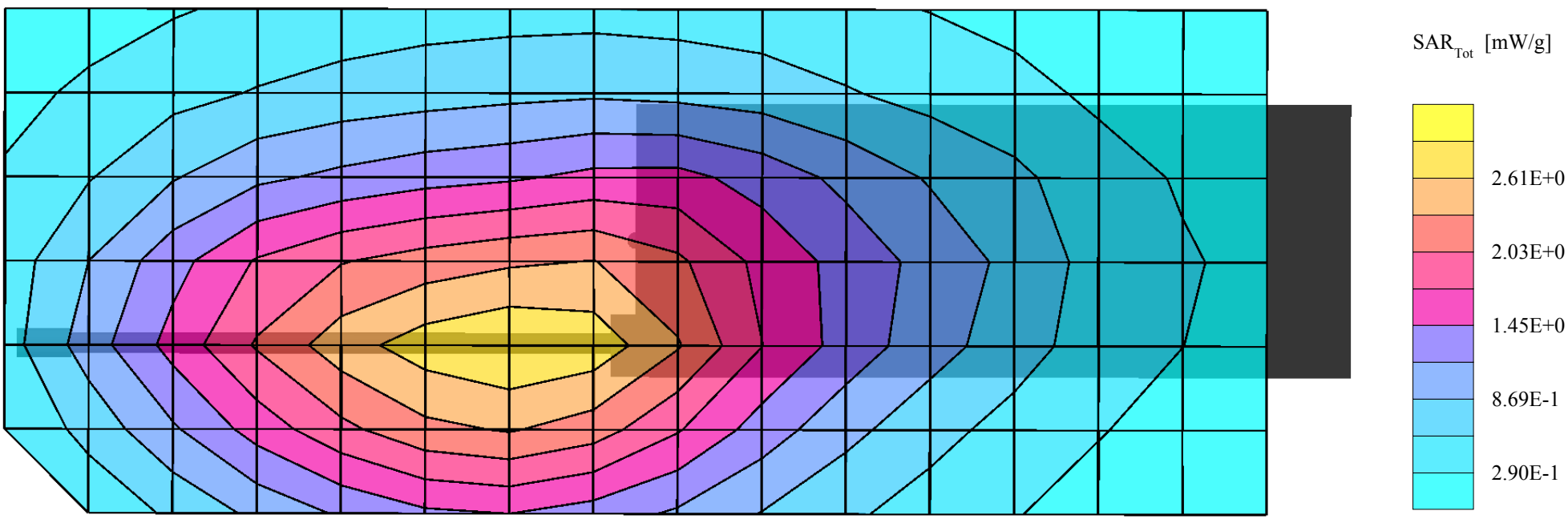
Coarse Scan to show SAR Distribution at Lower Section of Radio



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.61 mW/g, SAR (10g): 1.93 mW/g

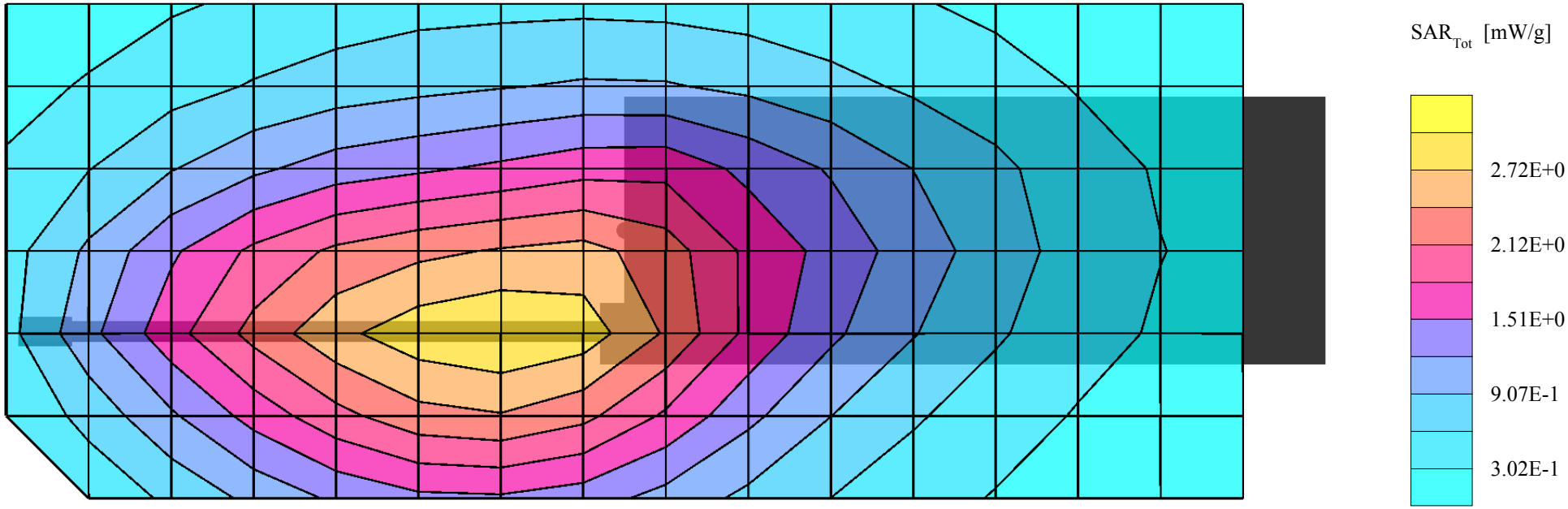
Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.59 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.81 mW/g, SAR (10g): 2.06 mW/g

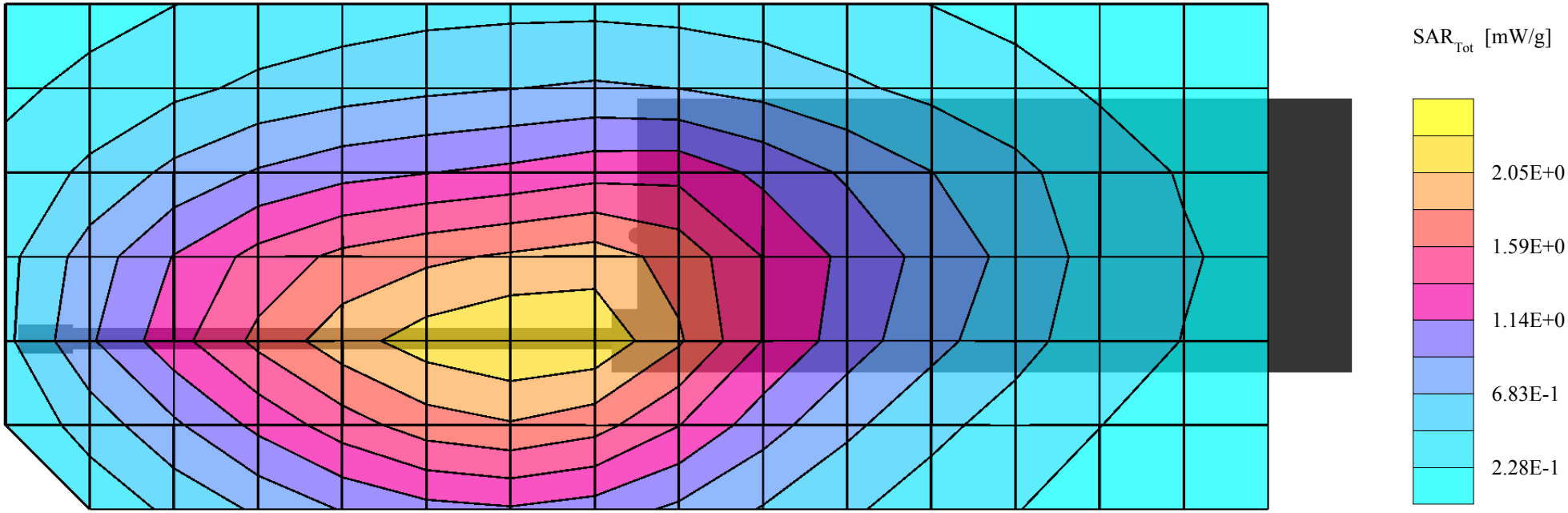
Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiCd Battery Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.60 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.14 mW/g, SAR (10g): 1.56 mW/g

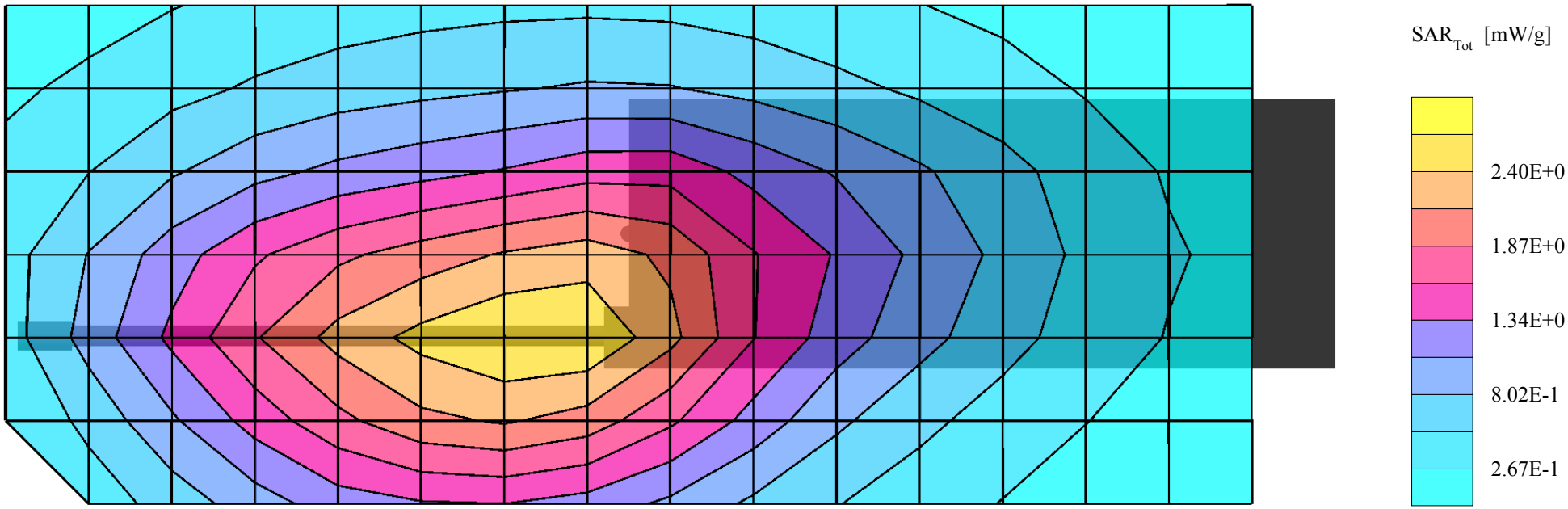
Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.55 mW/g, SAR (10g): 1.86 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)
1.6 cm Nylon T-Strap Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.57 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

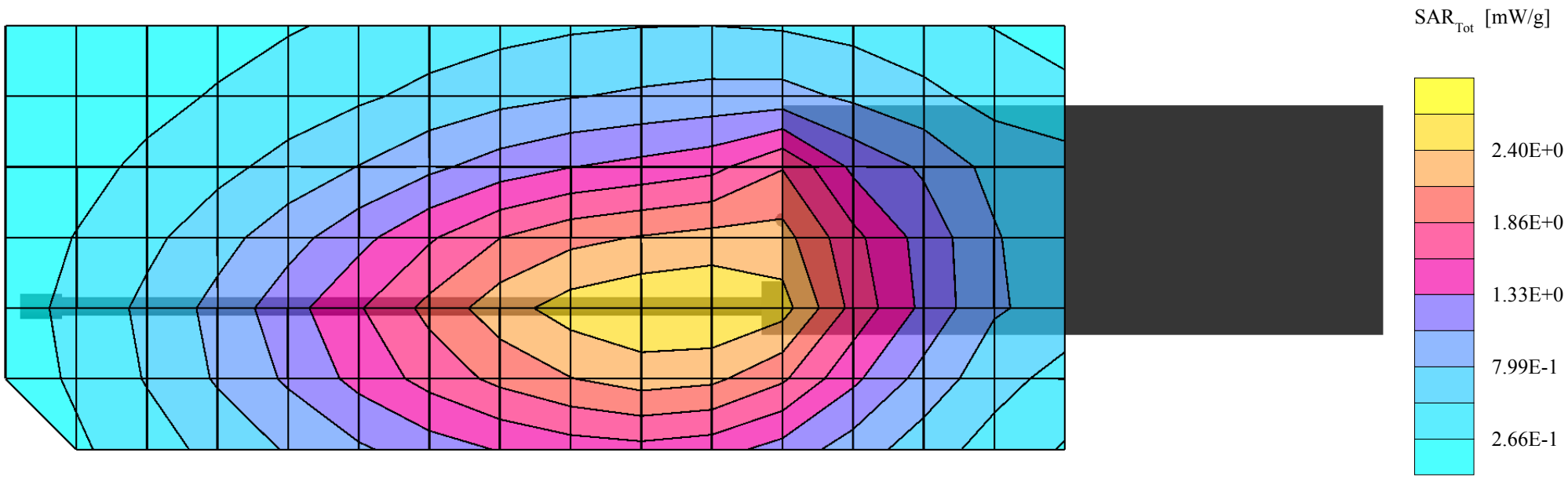


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.50 mW/g, SAR (10g): 1.86 mW/g

Body-Worn SAR with Leather Case (Belt-Loop type - KRY1011638/1)
1.7 cm Leather Case/Belt Loop Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Cube Scan to show Peak Scan Location

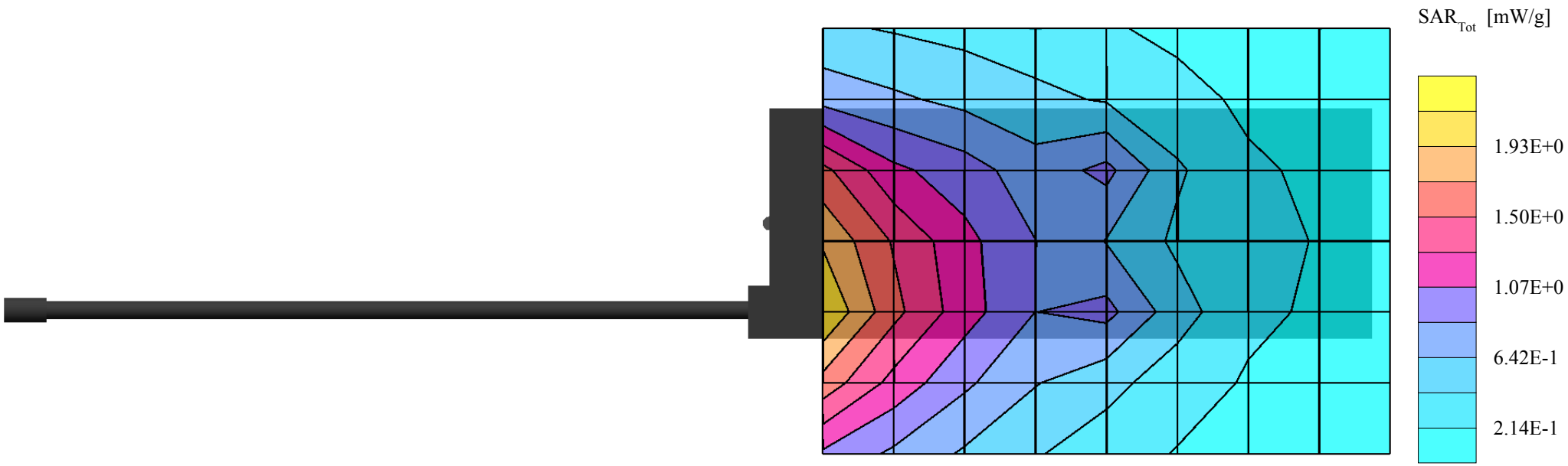


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Leather Case (Belt-Loop type - KRY1011638/1)
1.7 cm Leather Case/Belt Loop Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

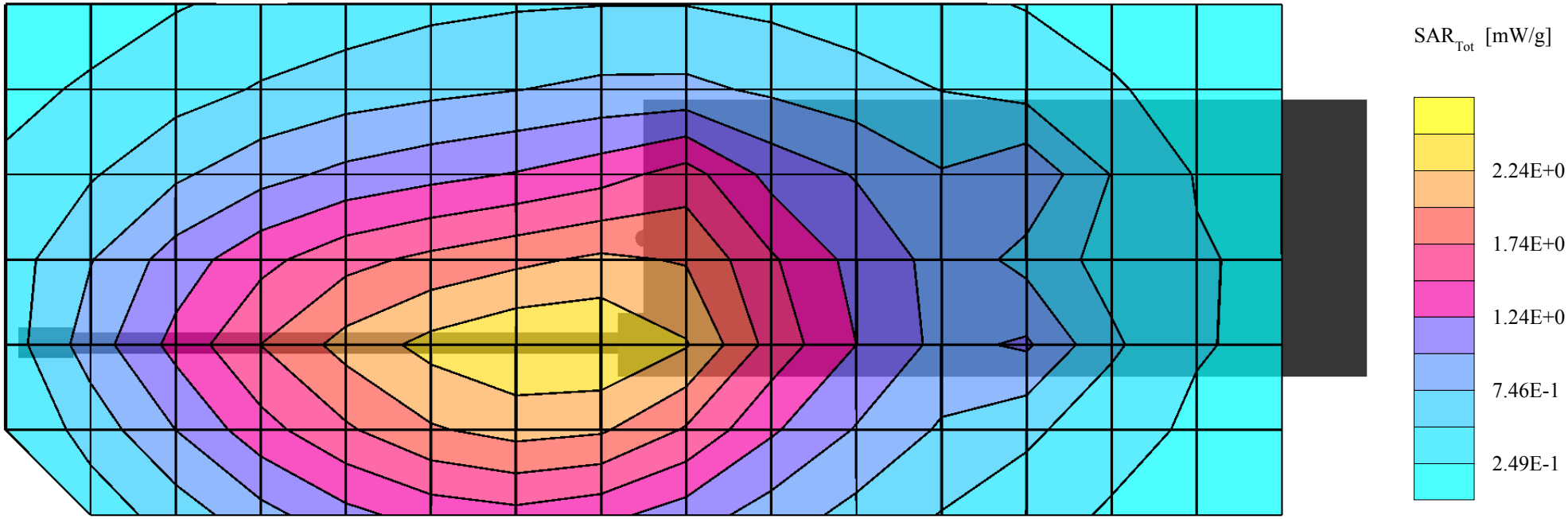
Coarse Scan to show SAR Distribution at Lower Section of Radio



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.31 mW/g, SAR (10g): 1.72 mW/g

Body-Worn SAR with Leather Case (Belt Loop type - KRY1011638/1)
1.7 cm Leather Case/Belt Loop Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

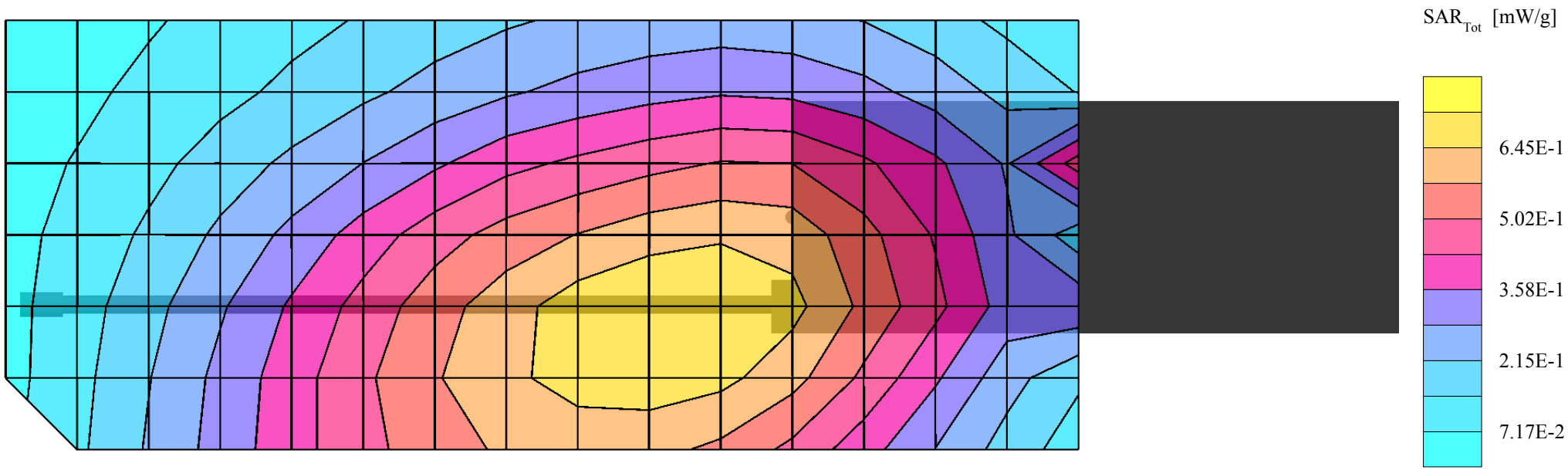


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.688 mW/g, SAR (10g): 0.534 mW/g

Body-Worn SAR with Leather Case, Belt-Loop & Swivel Mount (KRY1011639/1)
4.5 cm Leather Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Cube Scan to show Peak Scan Location

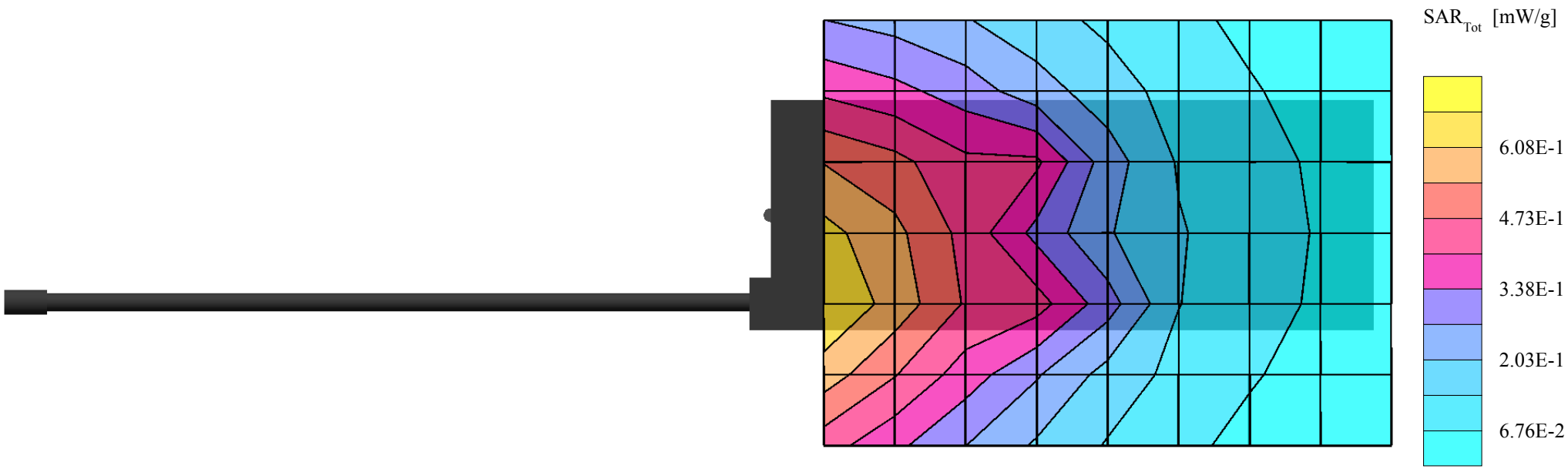


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Leather Case, Belt-Loop & Swivel Mount (KRY1011639/1)
4.5 cm Leather Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.53 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

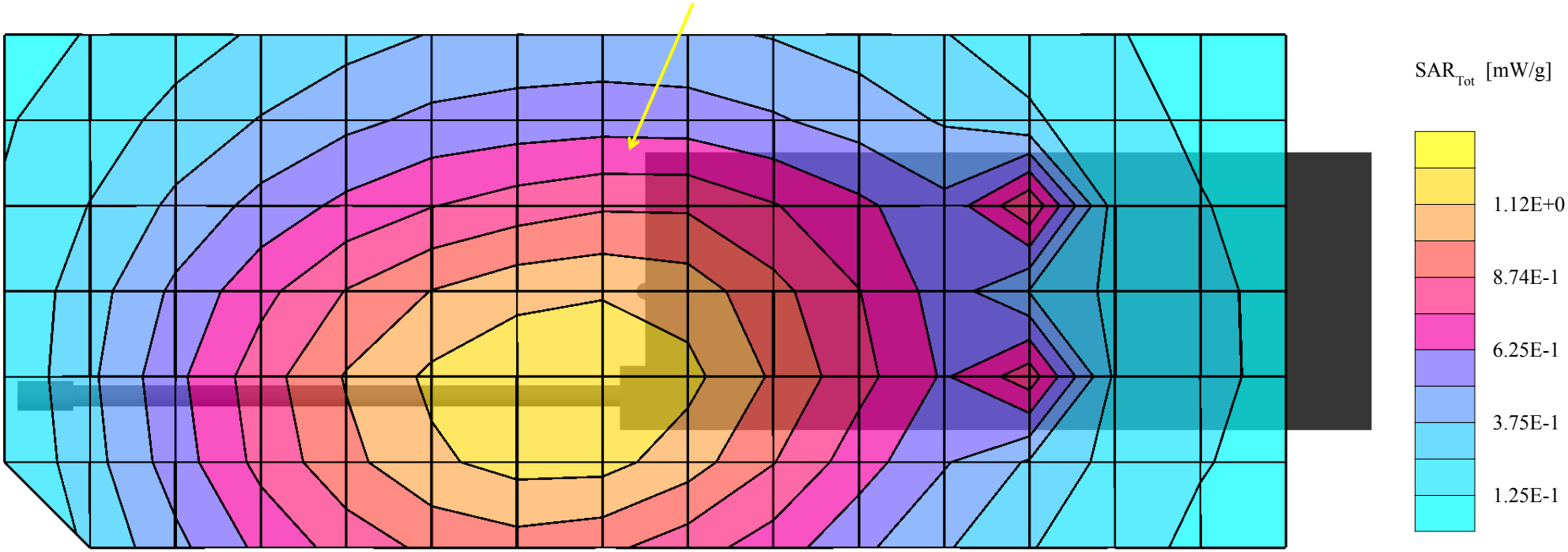


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.17 mW/g, SAR (10g): 0.897 mW/g

Body-Worn SAR with Leather Case, Belt-Loop & Swivel Mount (KRY1011639/1)
4.5 cm Leather Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Primary Hotspot Evaluation

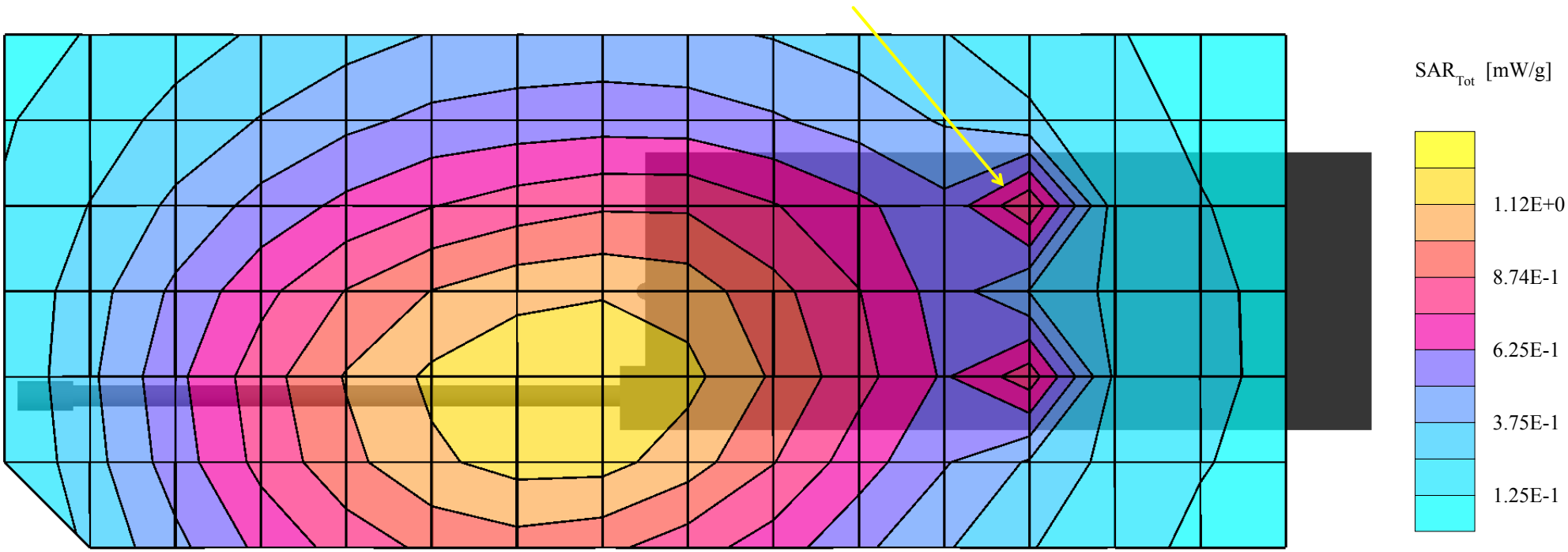


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.18 mW/g, SAR (10g): 0.647 mW/g

Body-Worn SAR with Leather Case, Belt-Loop & Swivel Mount (KRY1011639/1)
4.5 cm Leather Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Secondary Hotspot Evaluation

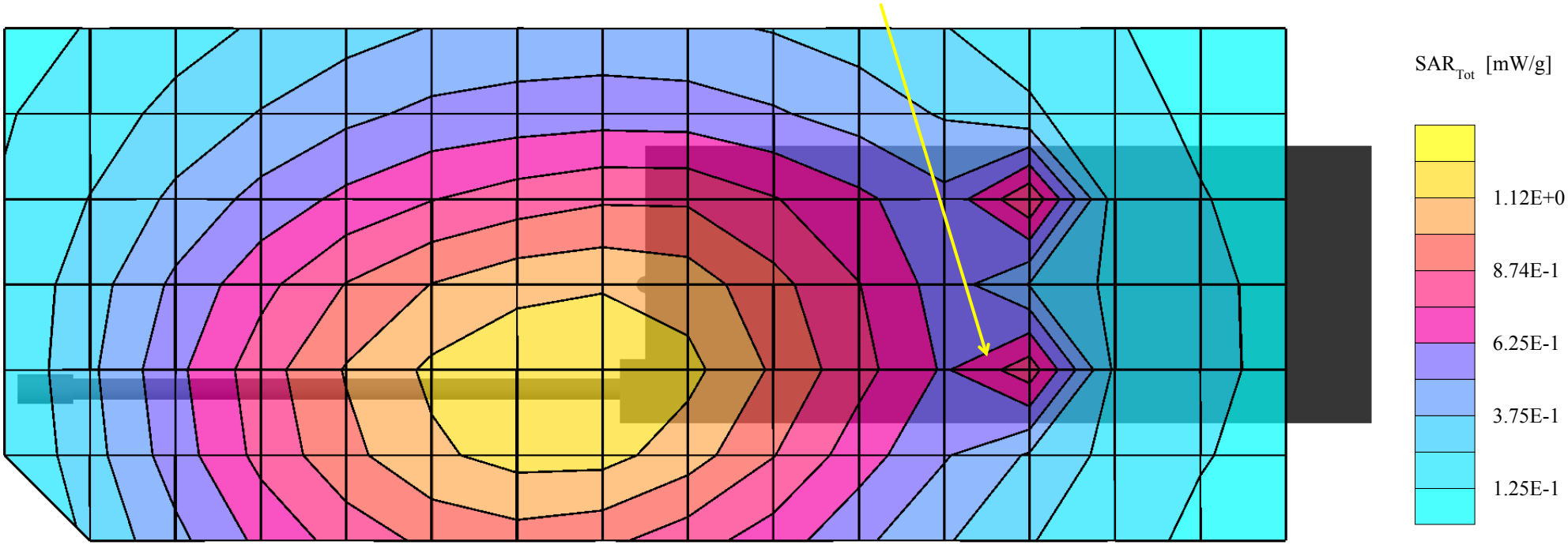


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.07 mW/g, SAR (10g): 0.575 mW/g

Body-Worn SAR with Leather Case, Belt-Loop & Swivel Mount (KRY1011639/1)
4.5 cm Leather Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Tertiary Hotspot Evaluation

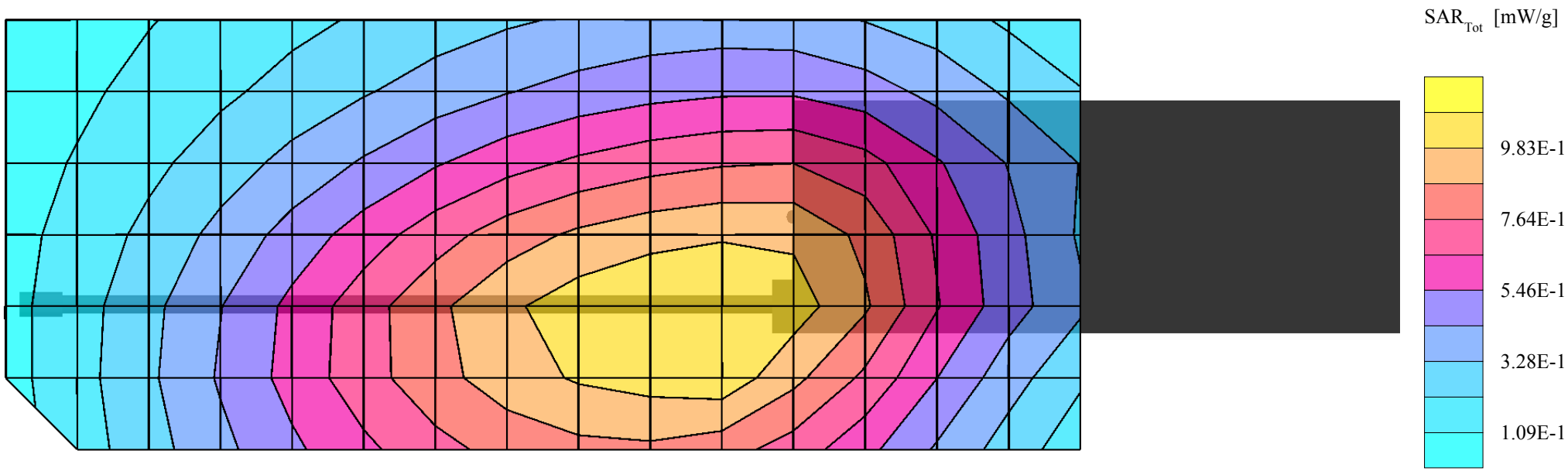


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.02 mW/g, SAR (10g): 0.789 mW/g

Body-Worn SAR with Nylon Case, Belt-Loop & Swivel Mount (KRY1011648/1)
4.0 cm Nylon Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.54 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Cube Scan to show Peak Scan Location

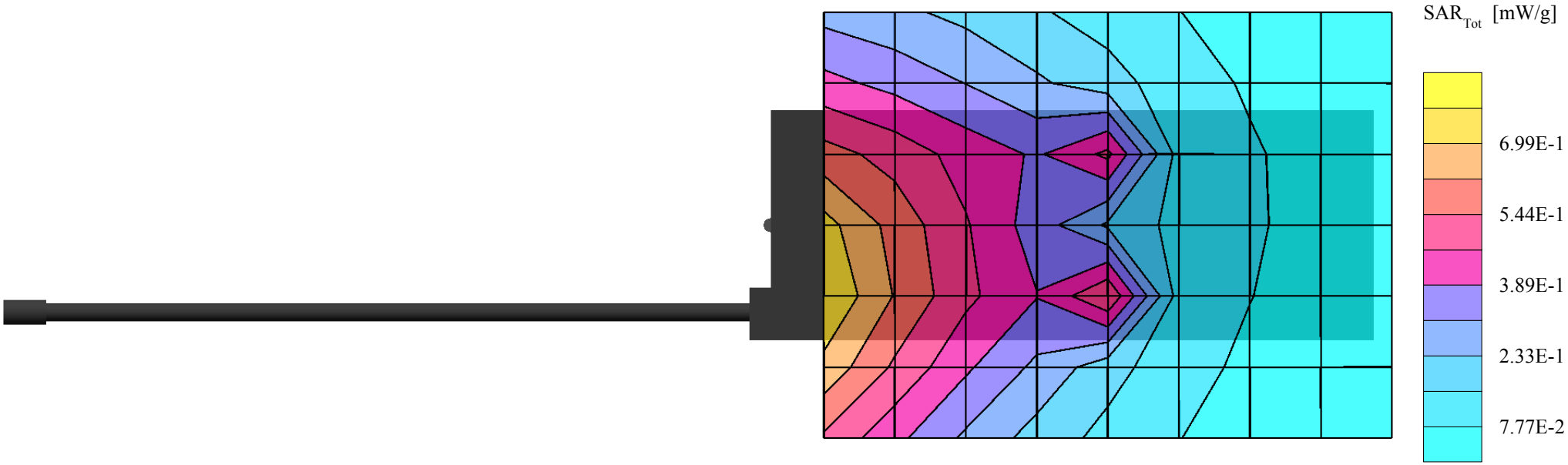


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Body-Worn SAR with Nylon Case, Belt-Loop & Swivel Mount (KRY1011648/1)
4.0 cm Nylon Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.54 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

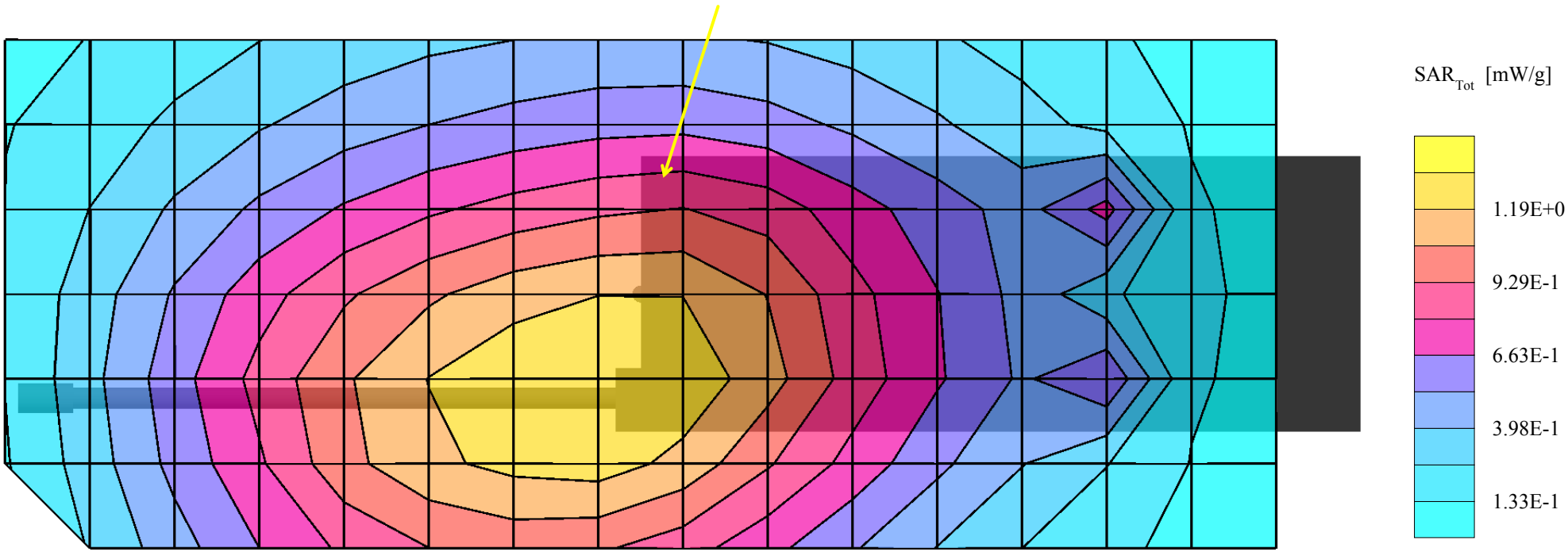


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.28 mW/g, SAR (10g): 0.969 mW/g

Body-Worn SAR with Nylon Case, Belt-Loop & Swivel Mount (KRY1011648/1)
4.0 cm Nylon Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Primary Hotspot Evaluation

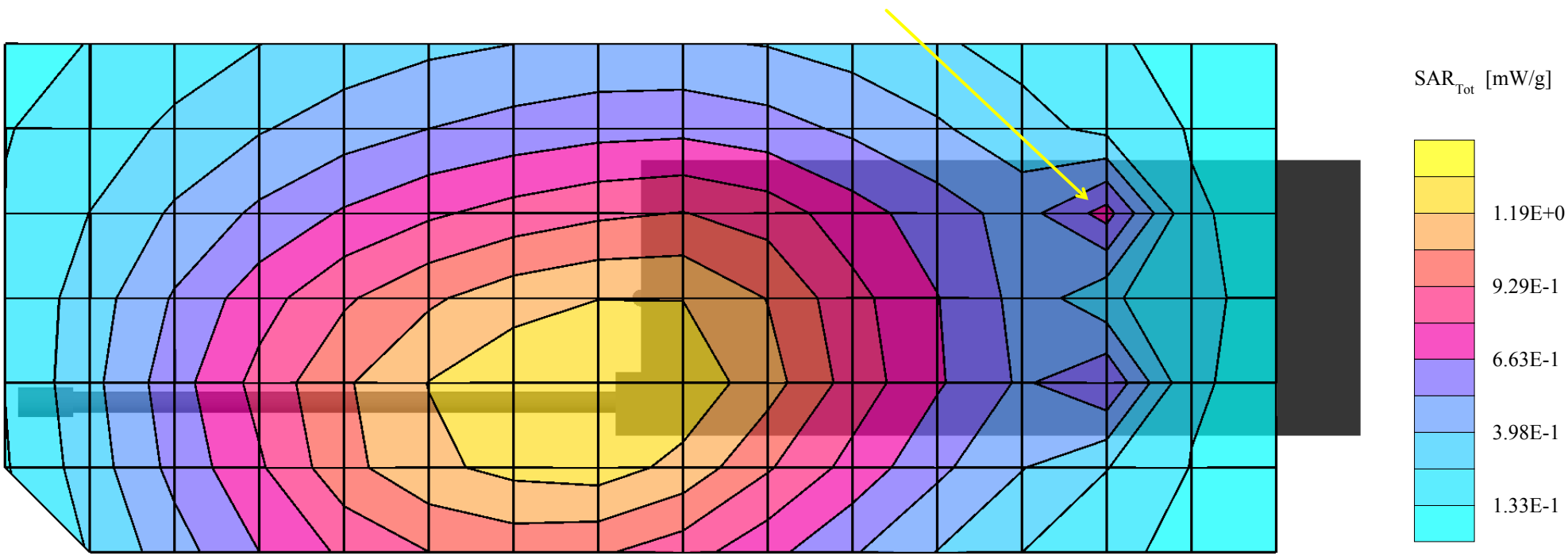


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.565 mW/g, SAR (10g): 0.311 mW/g

Body-Worn SAR with Nylon Case, Belt-Loop & Swivel Mount (KRY1011648/1)
4.0 cm Nylon Case, Belt-Loop & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Secondary Hotspot Evaluation



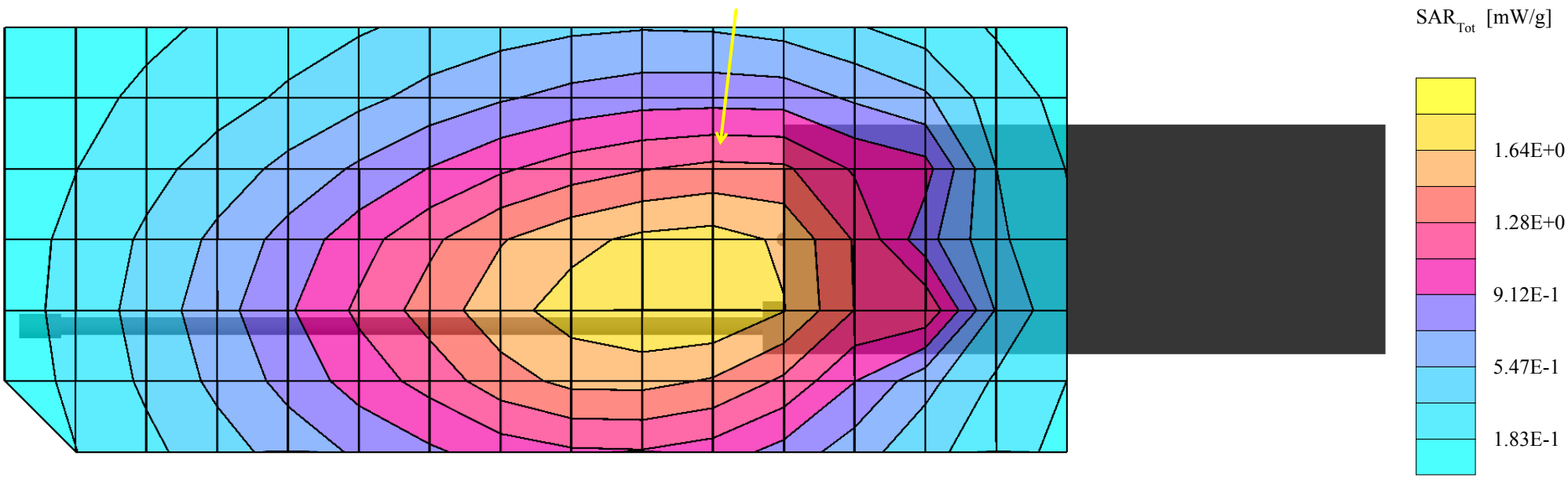
M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: $\sigma = 0.78$ mho/m $\varepsilon_r = 61.2$ $\rho = 1.00$ g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.69 mW/g, SAR (10g): 1.29 mW/g

Body-Worn SAR with Belt-Loop & Swivel (KRY1011609/1)
3.5 cm Belt-Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Cube Scan to show Peak Scan Location

Primary Hotspot Evaluation

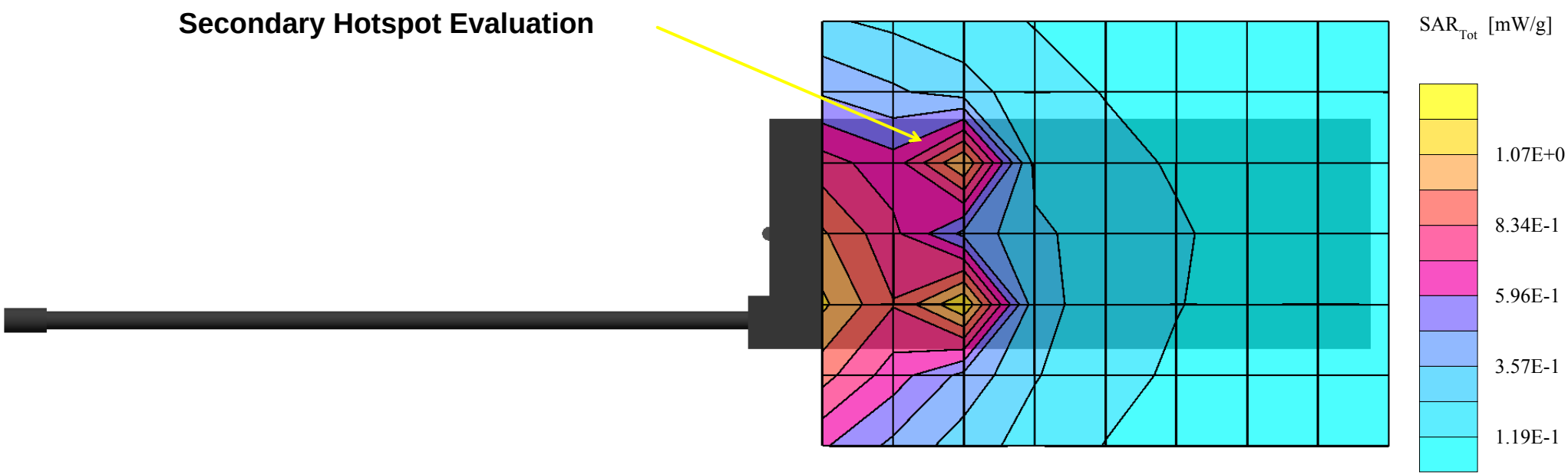


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.722 mW/g, SAR (10g): 0.350 mW/g

Body-Worn SAR with Belt-Loop & Swivel (KRY1011609/1)
3.5 cm Belt-Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Coarse Scan to show SAR Distribution at Lower Section of Radio

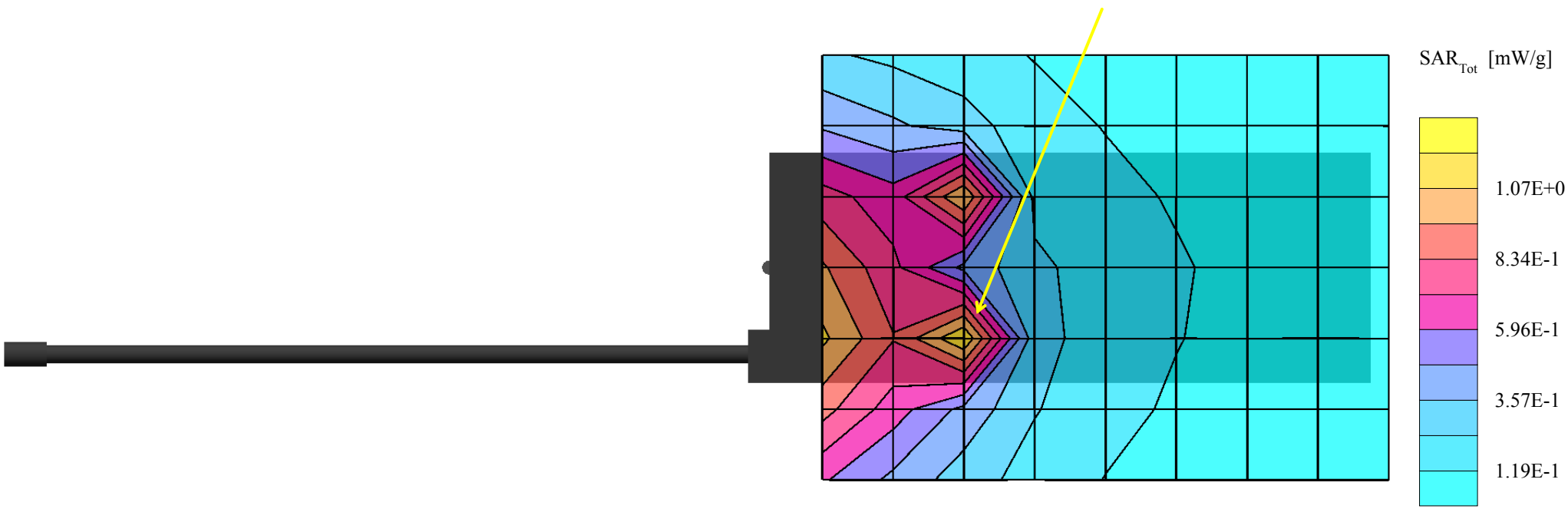


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.800 mW/g, SAR (10g): 0.414 mW/g

Body-Worn SAR with Belt-Loop & Swivel (KRY1011609/1)
3.5 cm Belt-Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.55 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Tertiary Hotspot Evaluation

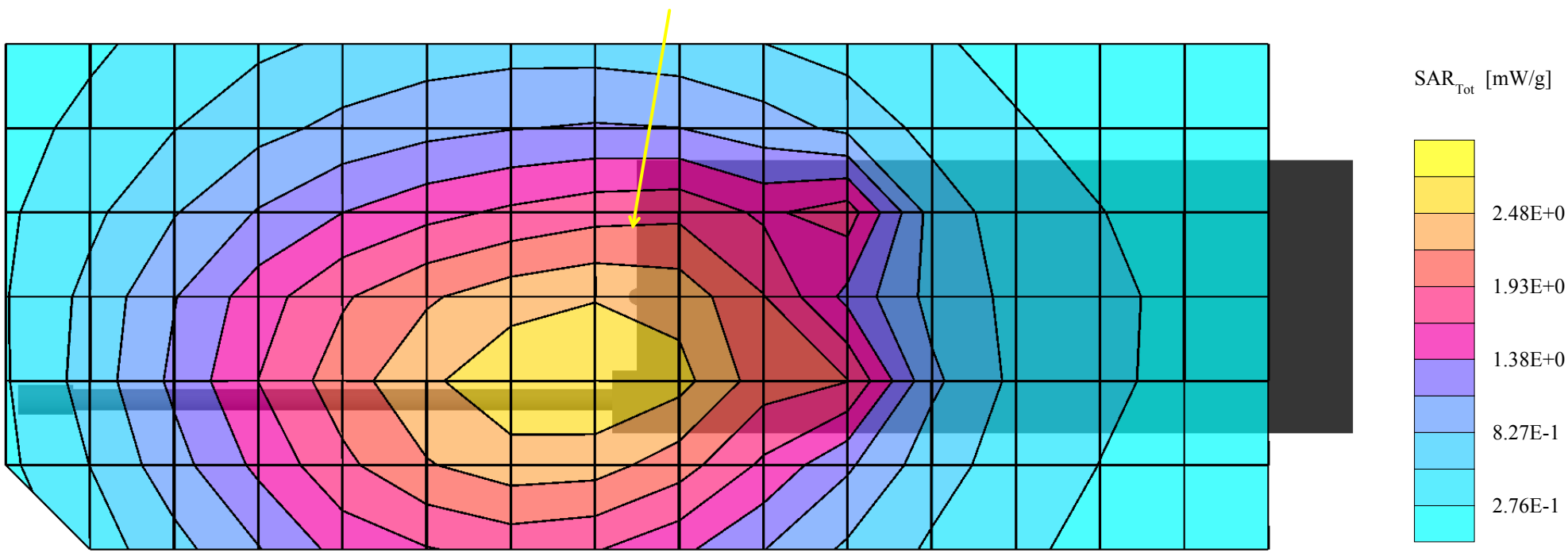


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.55 mW/g, SAR (10g): 1.95 mW/g

Body-Worn SAR with Belt-Loop & Swivel (KRY1011609/1)
3.5 cm Belt-Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Primary Hotspot Evaluation

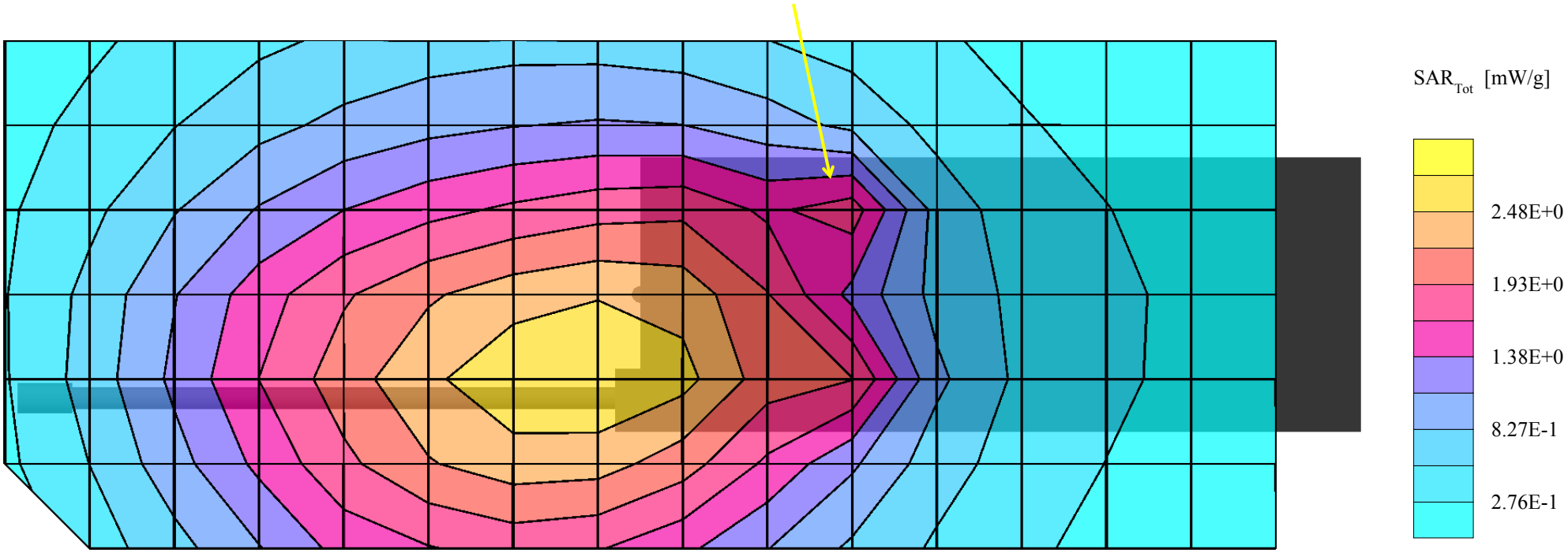


M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.88 mW/g, SAR (10g): 0.942 mW/g

Body-Worn SAR with Belt-Loop & Swivel (KRY1011609/1)
3.5 cm Belt-Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Secondary Hotspot Evaluation

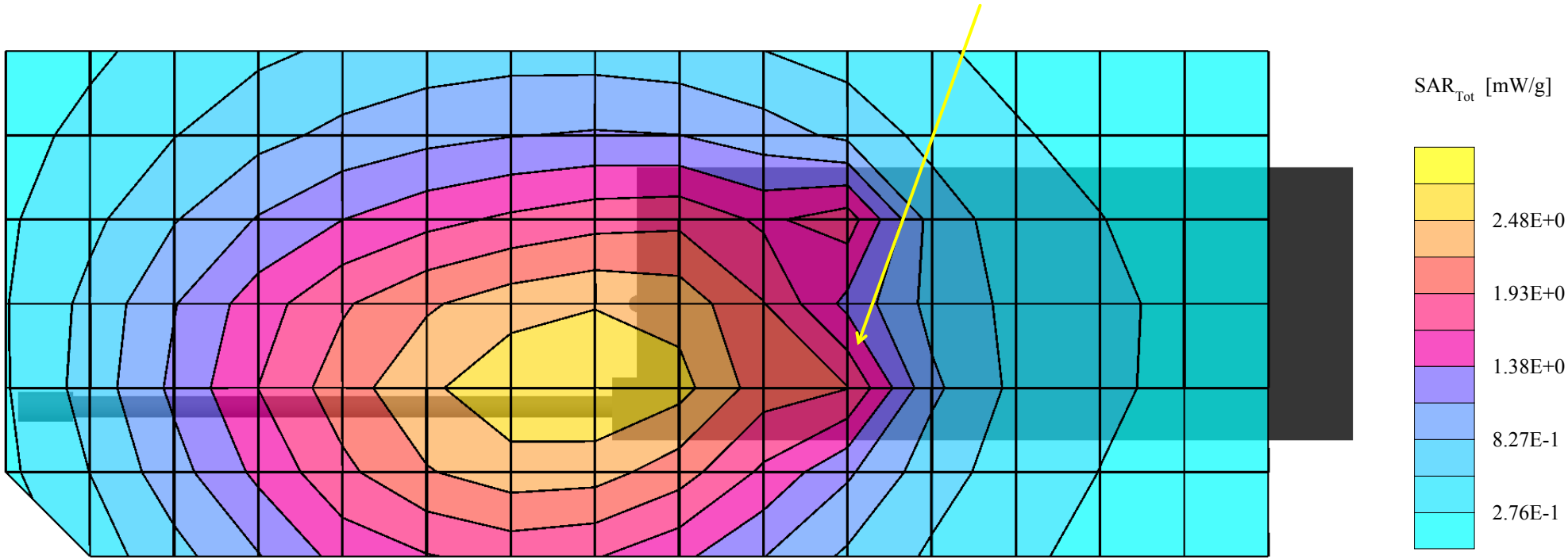


M/A-COM INC. FCC ID: OWDTR-0013-E

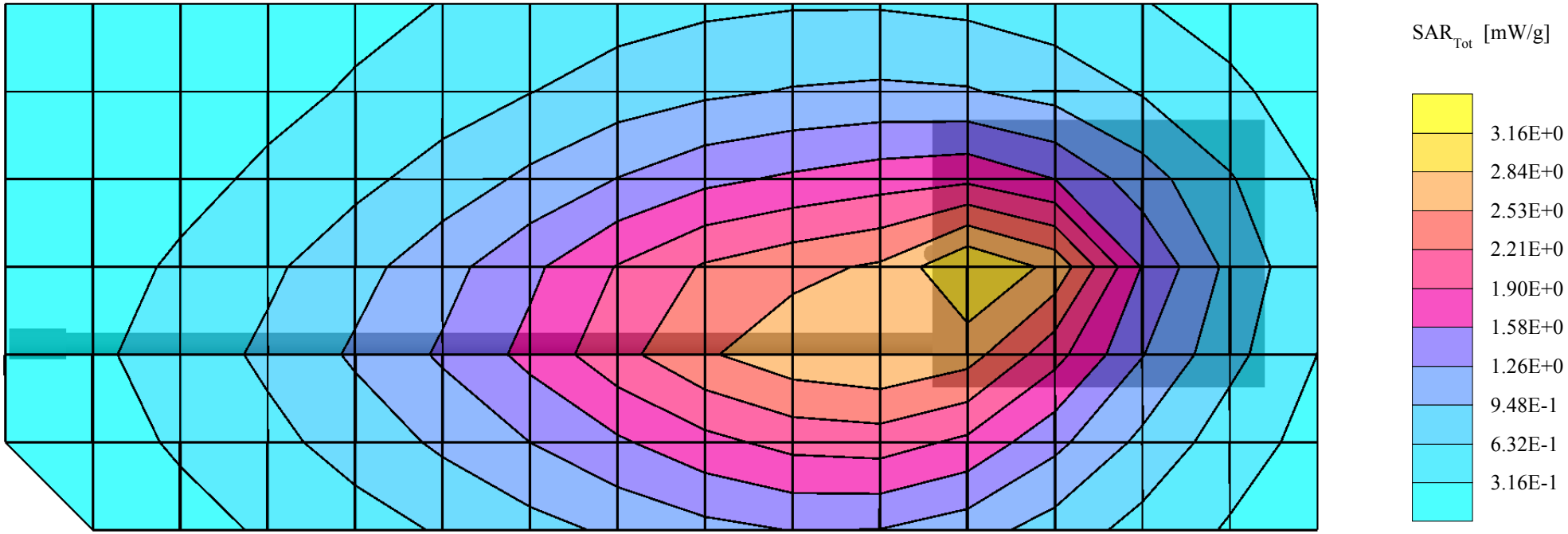
Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.87 mW/g, SAR (10g): 1.05 mW/g

Body-Worn SAR with Belt-Loop & Swivel (KRY1011609/1)
3.5 cm Belt-Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/2)
NiMH Battery Non-Intrinsically Safe (BKB191210/4)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003

Tertiary Hotspot Evaluation



M/A-COM INC. FCC ID: OWDTR-0013-E

Small Planar Phantom; Flat Section; Position: (270°,180°)
Probe: ET3DV6 - SN1387; ConvF(8.80,8.80,8.80); Crest factor: 1.0
150 MHz Muscle: σ = 0.78 mho/m ε_r = 61.2 ρ = 1.00 g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 3.27 mW/g, SAR (10g): 2.09 mW/g

Body-Worn SAR with Speaker Microphone Antenna Version Plus (KRY1011617/184R1A)
1.3 cm Lapel-Clip Separation Distance to Planar Phantom
P7100(IP) Portable VHF PTT Radio Transceiver
Spring Whip Antenna (KRE1011219/21)
NiCd Battery Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [155.00 MHz]
Conducted Power: 5.58 Watts
Ambient Temp. 22.8°C; Fluid Temp. 23.4°C
Date Tested: June 20, 2003