

**BODY SAR TEST PLOTS**

**WITH HANDHELD RADIO & ELEVATED FEED GAIN ANTENNA (KRE1011216/01)**

**(3.3cm Belt-Loop Separation Distance)**

**M/A-COM PRS INC. FCC ID: OWDTR-0014-E**

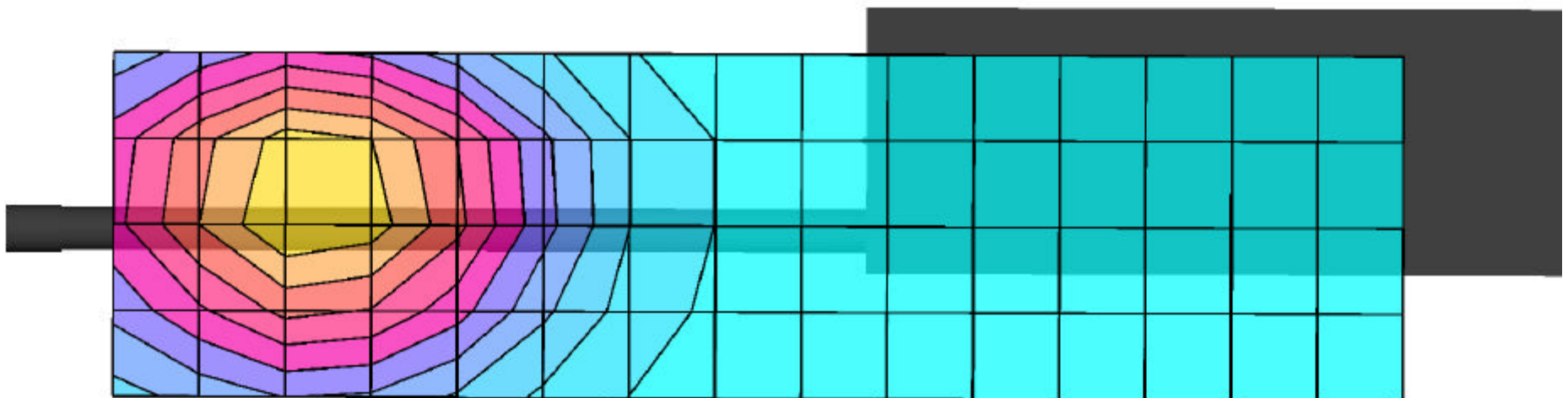
Small Planar Phantom: Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

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

**Body-Worn SAR with 3.3 cm Belt-Loop Separation - FULL AREA SCAN**

**Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)**

Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [823.975 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 3.80 mW/g, SAR (10g): 2.84 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Low Channel [806.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 3.88 mW/g, SAR (10g): 2.87 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 4.00 mW/g, SAR (10g): 2.97 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [823.975 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 3.02 mW/g, SAR (10g): 2.17 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Low Channel [850.970 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.72 mW/g, SAR (10g): 1.99 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [860.520 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.25 mW/g, SAR (10g): 1.63 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [868.970 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001





### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 3.80 mW/g, SAR (10g): 2.78 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Elevated Feed Gain Antenna (KRE1011216/01)  
Nickel Metal Hydride Battery (BKB191210/4)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [823.975 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



**BODY SAR TEST PLOTS**

**WITH HANDHELD RADIO & FLEXIBLE GAIN ANTENNA (KRE1011506/01)**

**(3.3cm Belt-Loop Separation Distance)**

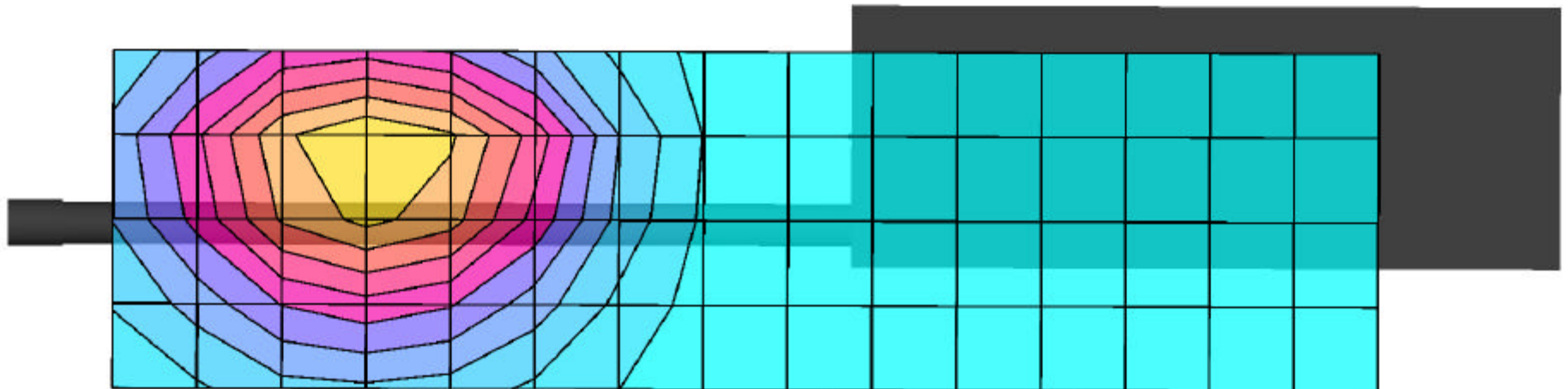
**M/A-COM PRS INC. FCC ID: OWDTR-0014-E**

Small Planar Phantom: Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

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

**Body-Worn SAR wth 3.3 cm Belt-Loop Separation - FULL AREA SCAN**

**Portable FM PTT Radio Transceiver**  
**Flexible Gain Antenna (KRE1011506/01)**  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.48 mW/g, SAR (10g): 1.85 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Low Channel [806.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.68 mW/g, SAR (10g): 1.92 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.62 mW/g, SAR (10g): 1.93 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [823.975 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.17 mW/g, SAR (10g): 1.59 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Low Channel [850.970 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



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Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 1.92 mW/g, SAR (10g): 1.41 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [860.520 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001





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Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 1.82 mW/g, SAR (10g): 1.33 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [868.970 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



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Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.20 mW/g, SAR (10g): 1.65 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Flexible Gain Antenna (KRE1011506/01)  
Nickel Metal Hydride Battery (BKB191210/4)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



**BODY SAR TEST PLOTS**

**WITH HANDHELD RADIO & WHIP ANTENNA (KRE1011223/01)**

**(3.3cm Belt-Loop Separation Distance)**

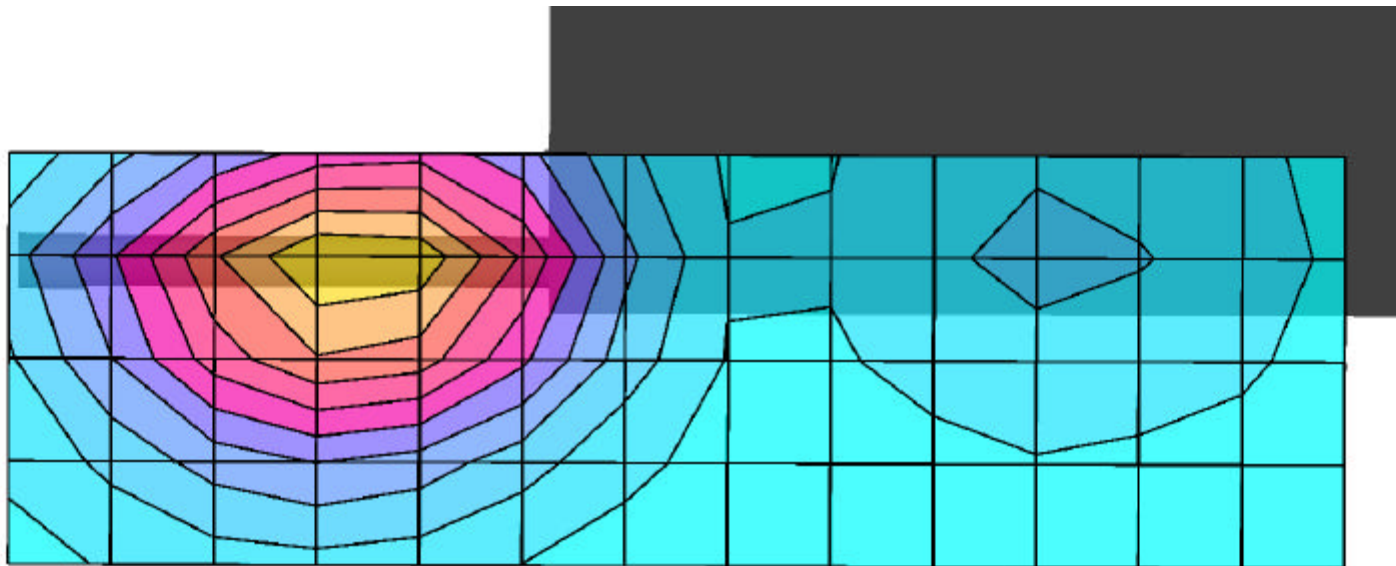
**M/A-COM PRS INC. FCC ID: OWDTR-0014-E**

Small Planar Phantom: Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

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

**Body-Worn SAR with 3.3 cm Belt-Loop Separation - FULL AREA SCAN**

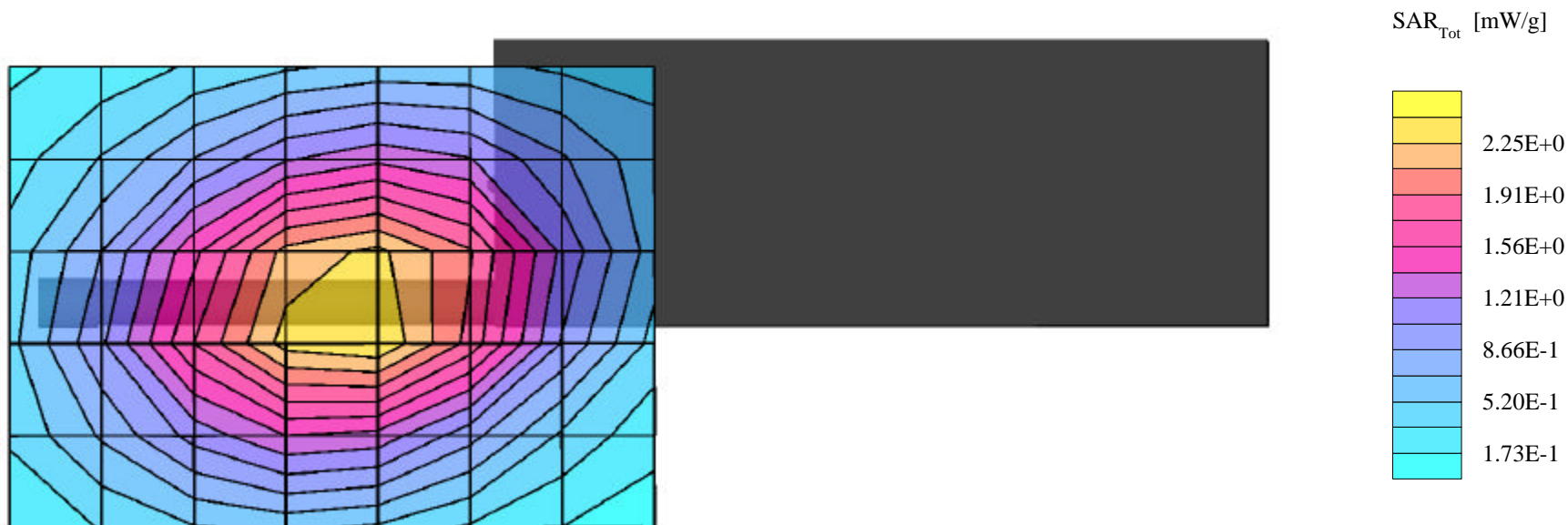
**Portable FM PTT Radio Transceiver**  
**Whip Antenna (KRE1011223/01)**  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.39 mW/g, SAR (10g): 1.75 mW/g

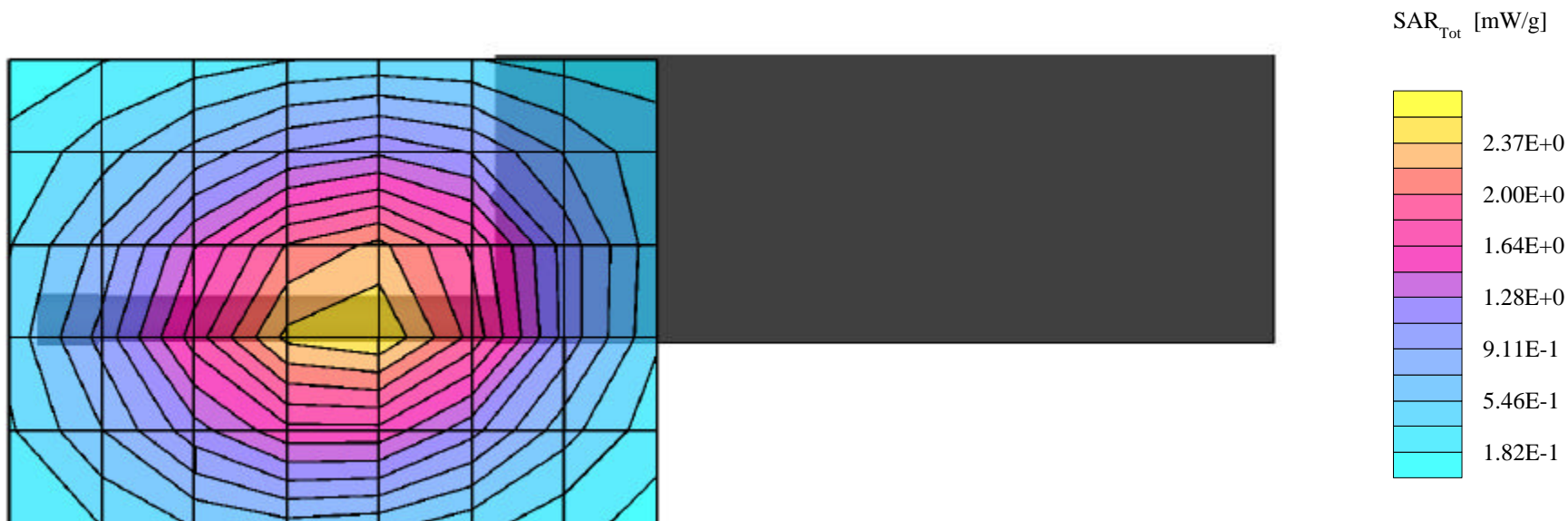
Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Low Channel [806.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



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Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.40 mW/g, SAR (10g): 1.75 mW/g

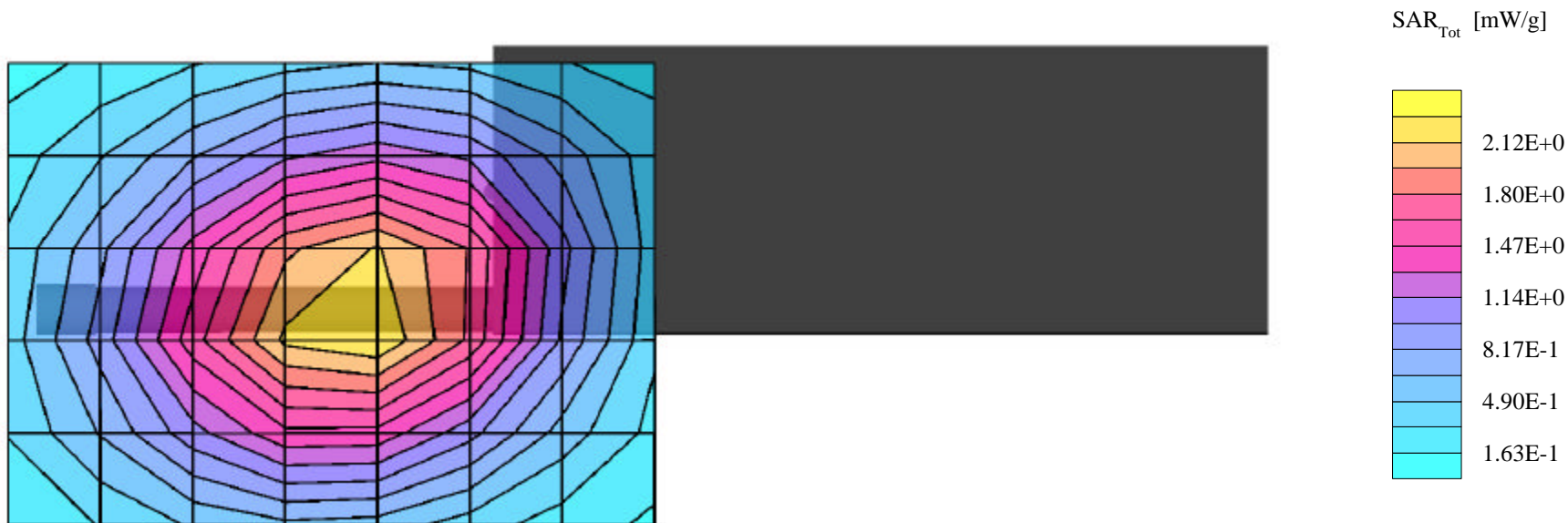
Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
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### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.26 mW/g, SAR (10g): 1.62 mW/g

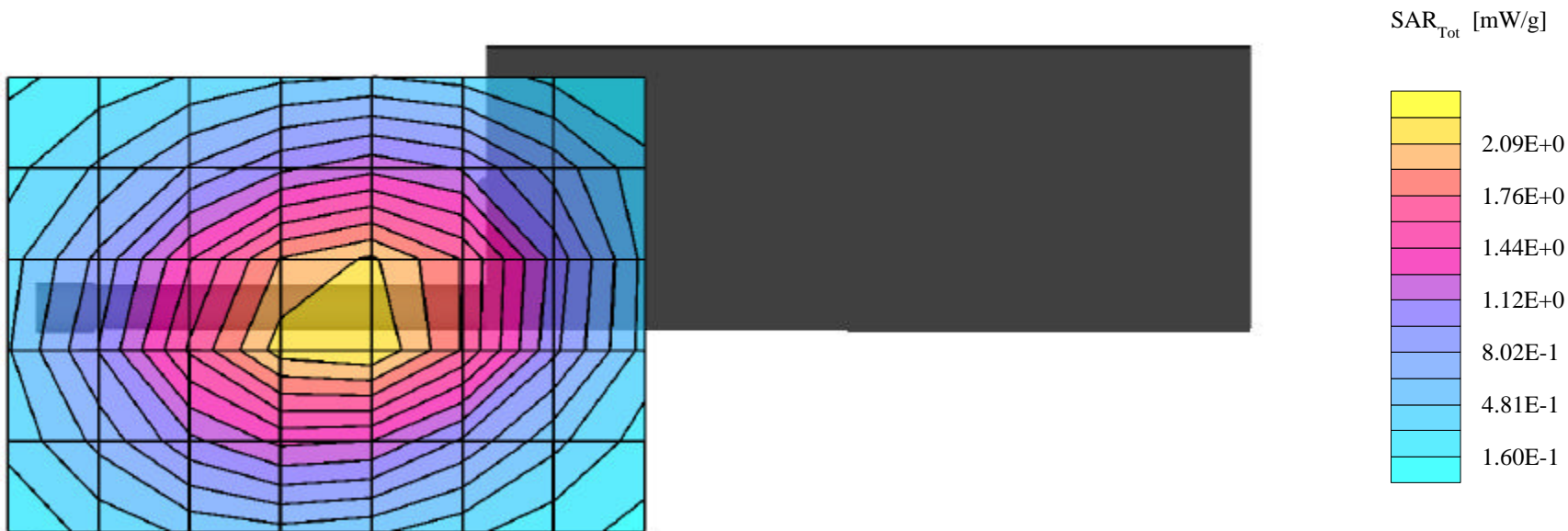
Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [823.975 MHz]  
Conducted Power: 3.2 Watts  
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835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.19 mW/g, SAR (10g): 1.58 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Low Channel [850.970 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001

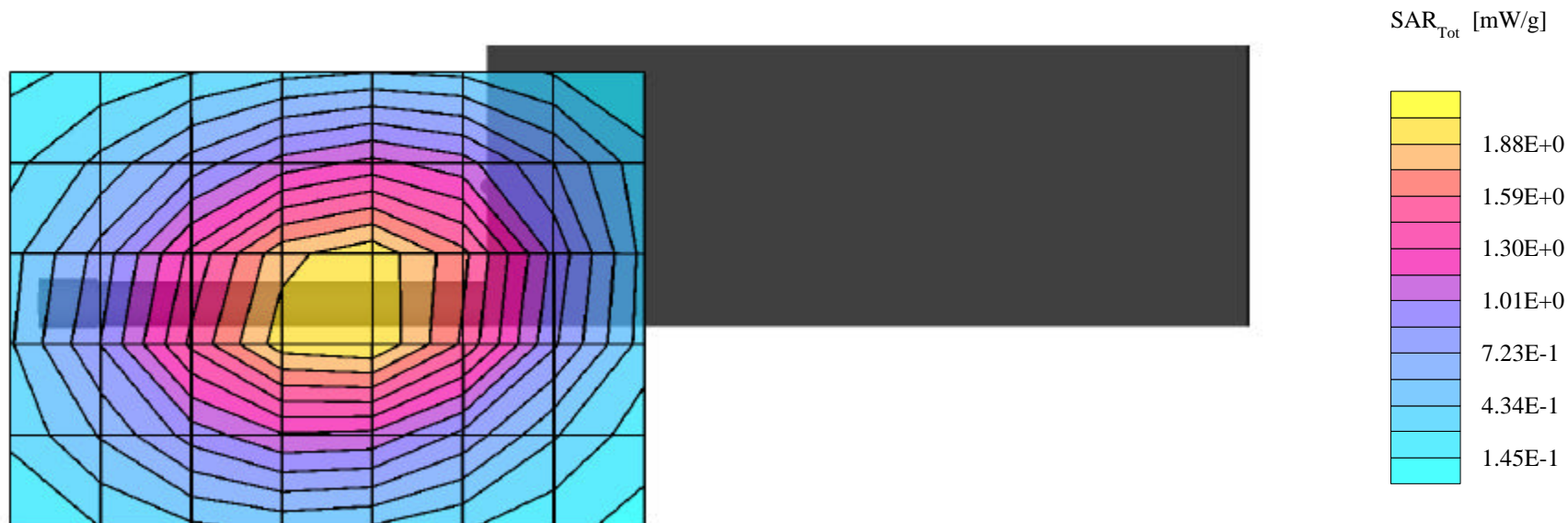




### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
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Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.03 mW/g, SAR (10g): 1.46 mW/g

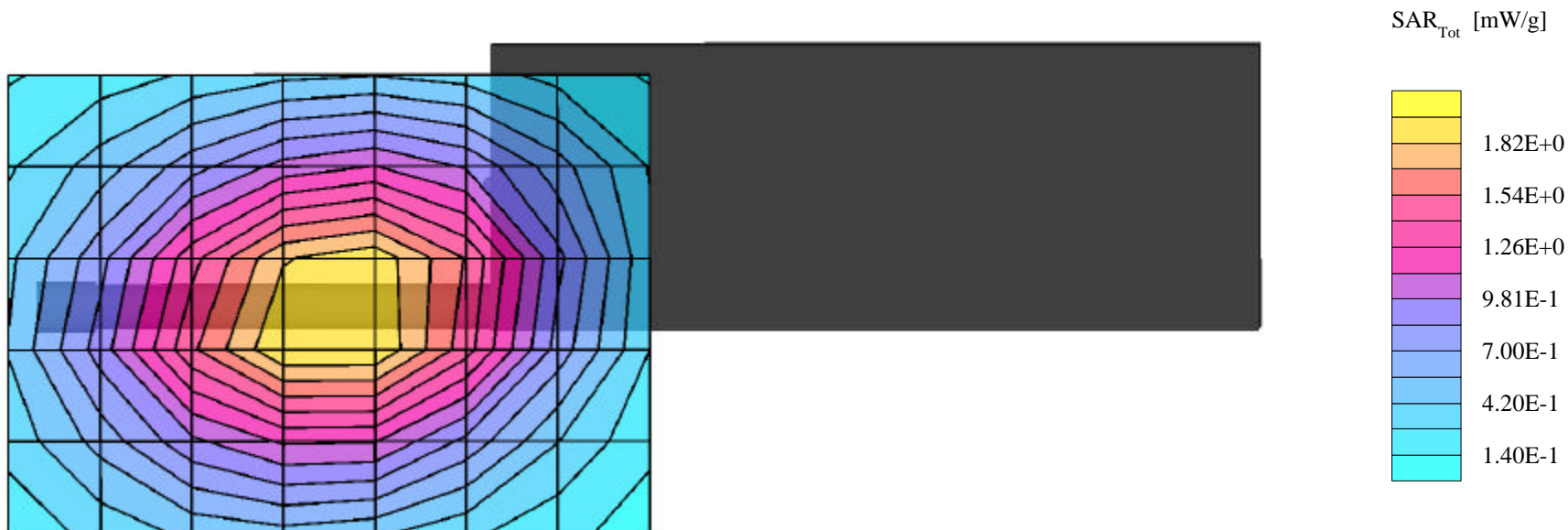
Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
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Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 1.74 mW/g, SAR (10g): 1.25 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/01)  
Nickel Cadmium Battery (BKB191210/3)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
High Channel [868.970 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001



### M/A-COM PRS INC. FCC ID: OWDTR-0014-E

Small Planar Phantom; Planar Section; Position: (270°,0°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7  
SAR (1g): 2.35 mW/g, SAR (10g): 1.71 mW/g

Body-Worn SAR with 3.3cm Leather Belt-Loop & Swivel  
Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/01)  
Nickel Metal Hydride Battery (BKB191210/4)  
M/A-Com Model: Jaguar 725P  
Continuous Wave Mode  
Mid Channel [815.000 MHz]  
Conducted Power: 3.2 Watts  
Date Tested: October 10, 2001

