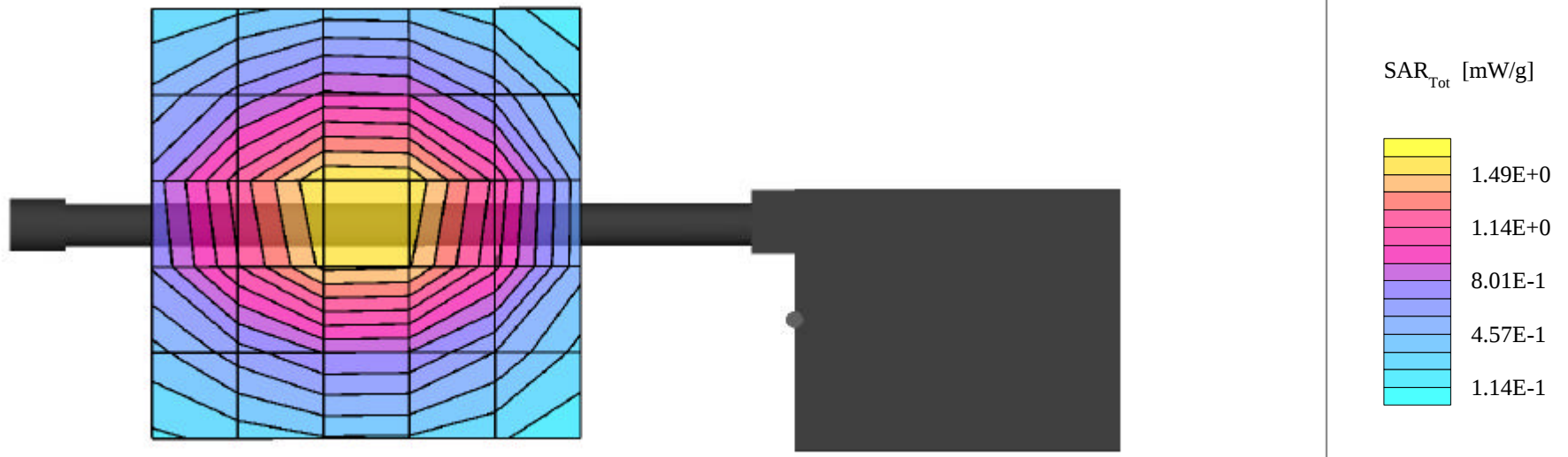


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (90°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
 835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.22 dB  
 SAR (1g): 1.58 mW/g, SAR (10g): 1.09 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

2.5cm Separation Distance from 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: 21.6°C; Fluid Temp: 22.0°C  
 Date Tested: October 25, 2002

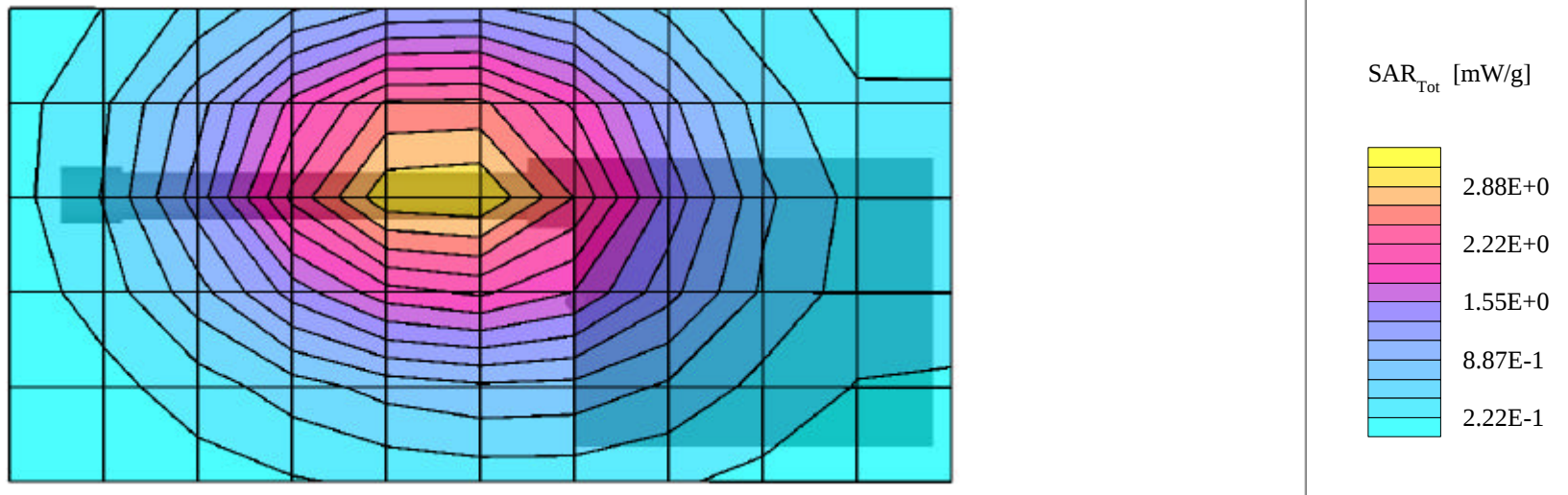


**M/A-COM PRS INC. FCC ID: OWDTR-0018-E**

Small Planar Phantom; Planar Section; Position: (90°,0°)  
Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.20 dB  
SAR (1g): 3.02 mW/g, SAR (10g): 2.11 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
2.5cm Separation Distance from Planar Phantom  
J7100(PI) Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/1)  
NiMH Battery (BKB191210/4)  
Continuous Wave Mode  
Low Band Mid Channel [815.5000 MHz]  
Conducted Power: 3.35 Watts  
Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
Date Tested: October 25, 2002

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

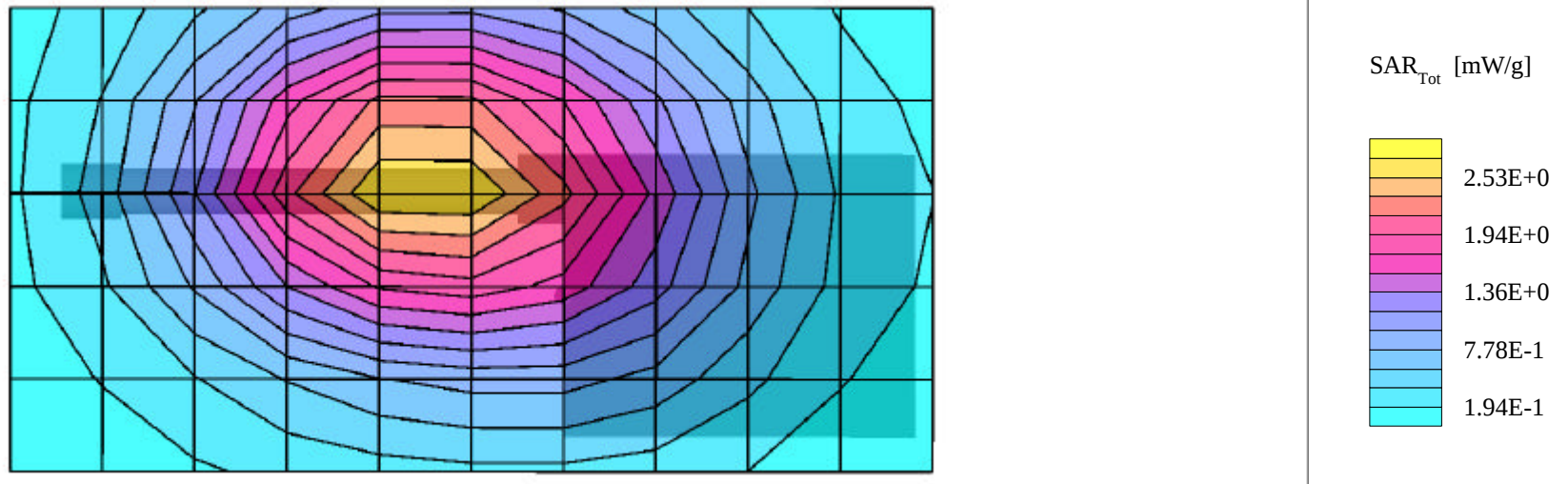


**M/A-COM PRS INC. FCC ID: OWDTR-0018-E**

Small Planar Phantom; Planar Section; Position: (90°,0°)  
Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.21 dB  
SAR (1g): 2.70 mW/g, SAR (10g): 1.86 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
2.5cm Separation Distance from Planar Phantom  
J7100(PI) Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/1)  
NiMH Battery (BKB191210/4)  
Continuous Wave Mode  
High Band Mid Channel [863.0000 MHz]  
Conducted Power: 3.18 Watts  
Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
Date Tested: October 25, 2002

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

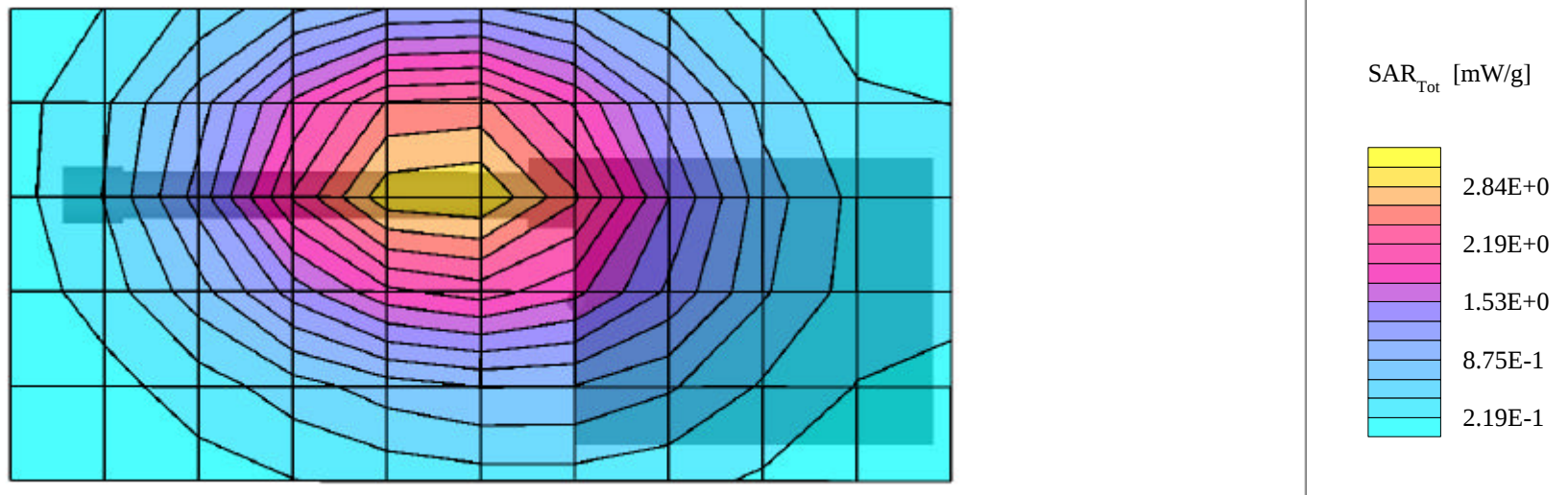


**M/A-COM PRS INC. FCC ID: OWDTR-0018-E**

Small Planar Phantom; Planar Section; Position: (90°,0°)  
Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.18 dB  
SAR (1g): 3.02 mW/g, SAR (10g): 2.11 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
2.5cm Separation Distance from Planar Phantom  
J7100(PI) Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/1)  
NiCd Battery (BKB191210/3)  
Continuous Wave Mode  
Low Band Mid Channel [815.5000 MHz]  
Conducted Power: 3.35 Watts  
Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
Date Tested: October 25, 2002

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

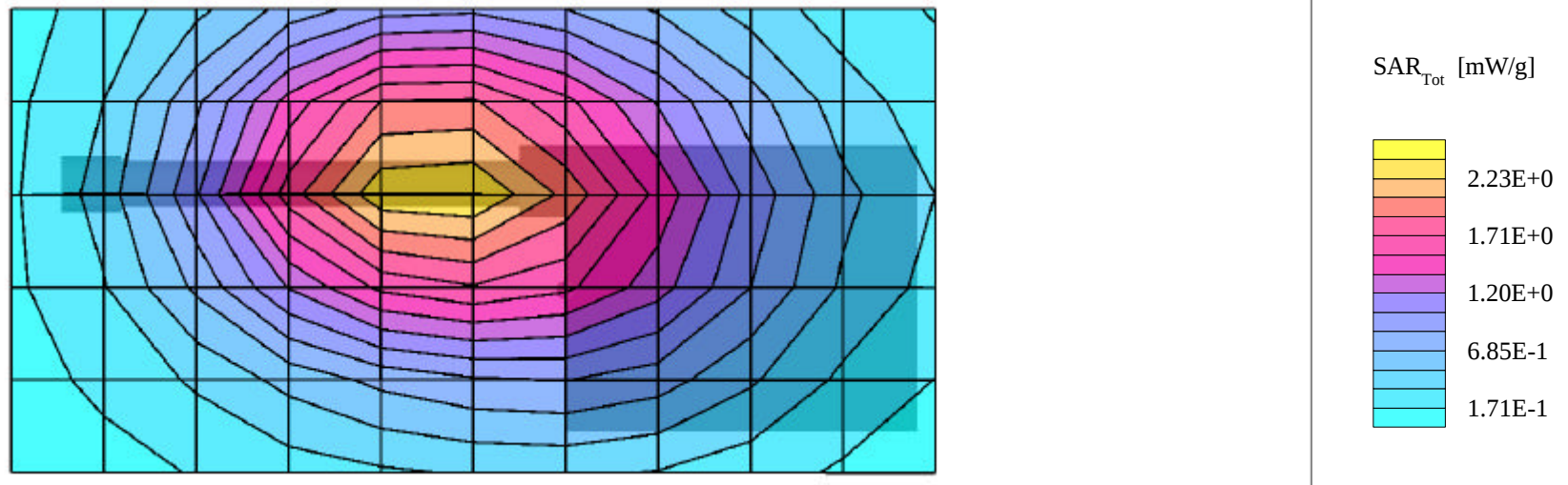


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (90°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
 835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.21 dB  
 SAR (1g): 2.31 mW/g, SAR (10g): 1.60 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 2.5cm Separation Distance from Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiCd Battery (BKB191210/3)  
 Continuous Wave Mode  
 High Band Mid Channel [863.0000 MHz]  
 Conducted Power: 3.18 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
 Date Tested: October 25, 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: (90°,0°)  
Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.22 dB  
SAR (1g): 3.42 mW/g, SAR (10g): 2.41 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
2.5cm Separation Distance from Planar Phantom  
J7100(PI) Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/1)  
NiCd Battery (BKB191210/3)  
Continuous Wave Mode  
Low Band Low Channel [806.0125 MHz]  
Conducted Power: 3.38 Watts  
Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
Date Tested: October 25, 2002



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

Small Planar Phantom; Planar Section

Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0

835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>

## Z-Axis Extrapolation at Peak SAR Location

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

2.5cm Separation Distance from Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Whip Antenna (KRE1011223/1)

NiCd Battery (BKB191210/3)

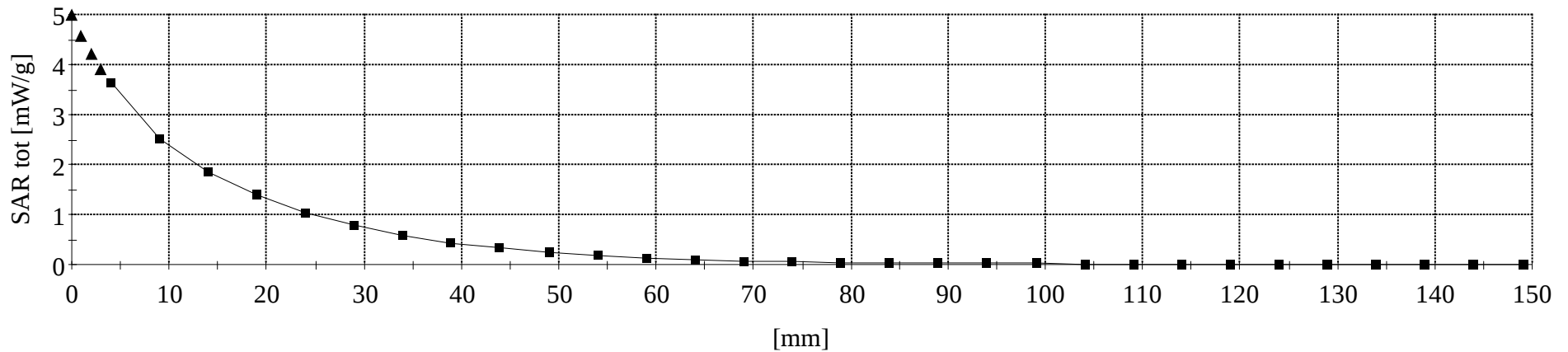
Continuous Wave Mode

Low Band Low Channel [806.0125 MHz]

Conducted Power: 3.38 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.0°C

Date Tested: October 25, 2002



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

Small Planar Phantom; Planar Section; Position: (90°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
 835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.22 dB  
 SAR (1g): 2.14 mW/g, SAR (10g): 1.50 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 2.5cm Separation Distance from Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiCd Battery (BKB191210/3)  
 Continuous Wave Mode  
 Low Band High Channel [823.9875 MHz]  
 Conducted Power: 3.33 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
 Date Tested: October 25, 2002

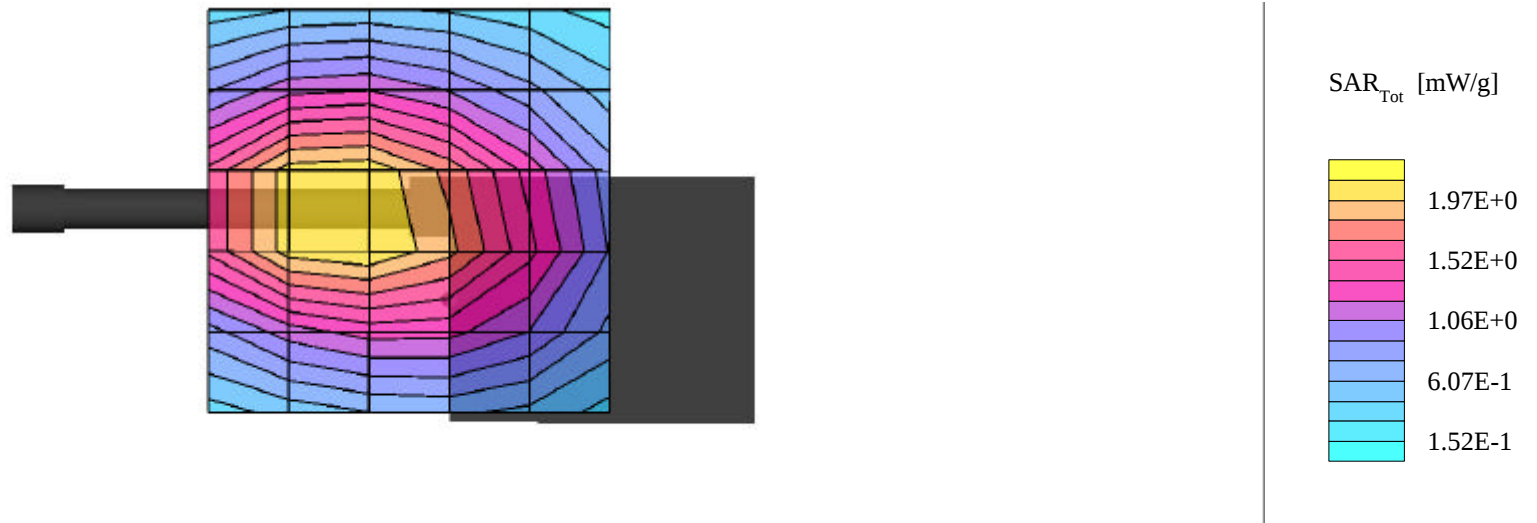


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section; Position: (90°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
 835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.19 dB  
 SAR (1g): 2.02 mW/g, SAR (10g): 1.41 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

2.5cm Separation Distance from Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiMH Battery (BKB191210/4)  
 Continuous Wave Mode  
 High Band Low Channel [851.0125 MHz]  
 Conducted Power: 3.22 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
 Date Tested: October 25, 2002



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

Small Planar Phantom; Planar Section; Position: (90°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(6.60,6.60,6.60); Crest factor: 1.0  
 835 MHz Brain:  $\sigma = 0.92$  mho/m  $\epsilon_r = 41.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.21 dB  
 SAR (1g): 2.60 mW/g, SAR (10g): 1.81 mW/g

Face-Held SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

2.5cm Separation Distance from Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiMH Battery (BKB191210/4)  
 Continuous Wave Mode  
 High Band High Channel [868.9875 MHz]  
 Conducted Power: 3.18 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.0°C  
 Date Tested: October 25, 2002



## Body-worn SAR Test Plots (with Speaker-Microphone Antenna Version Plus)

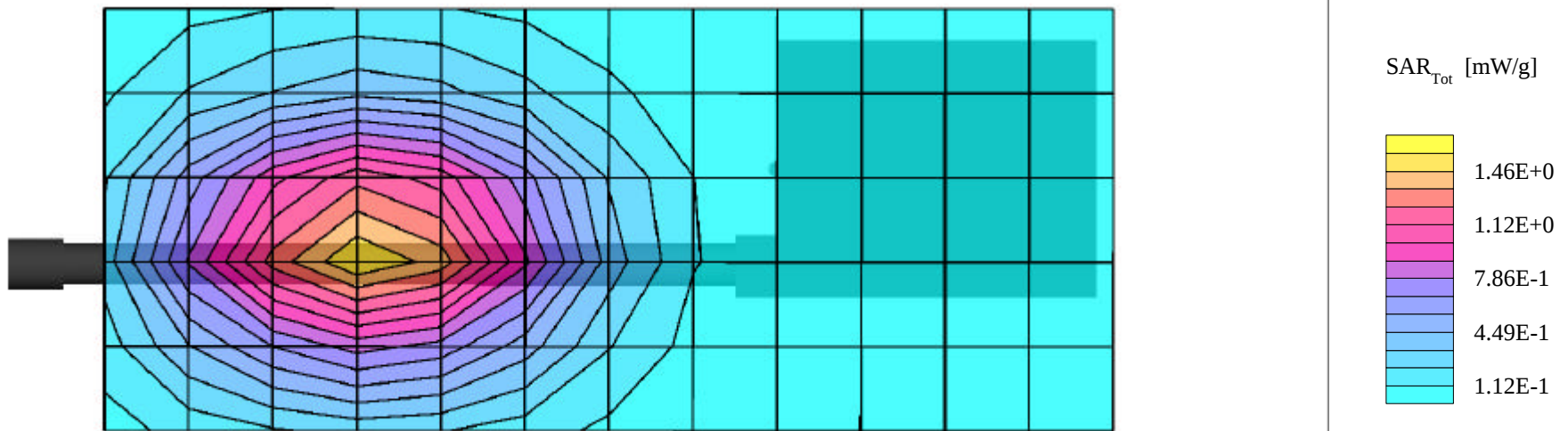
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# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.22 dB  
 SAR (1g): 1.56 mW/g, SAR (10g): 1.09 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip 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: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 2002

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

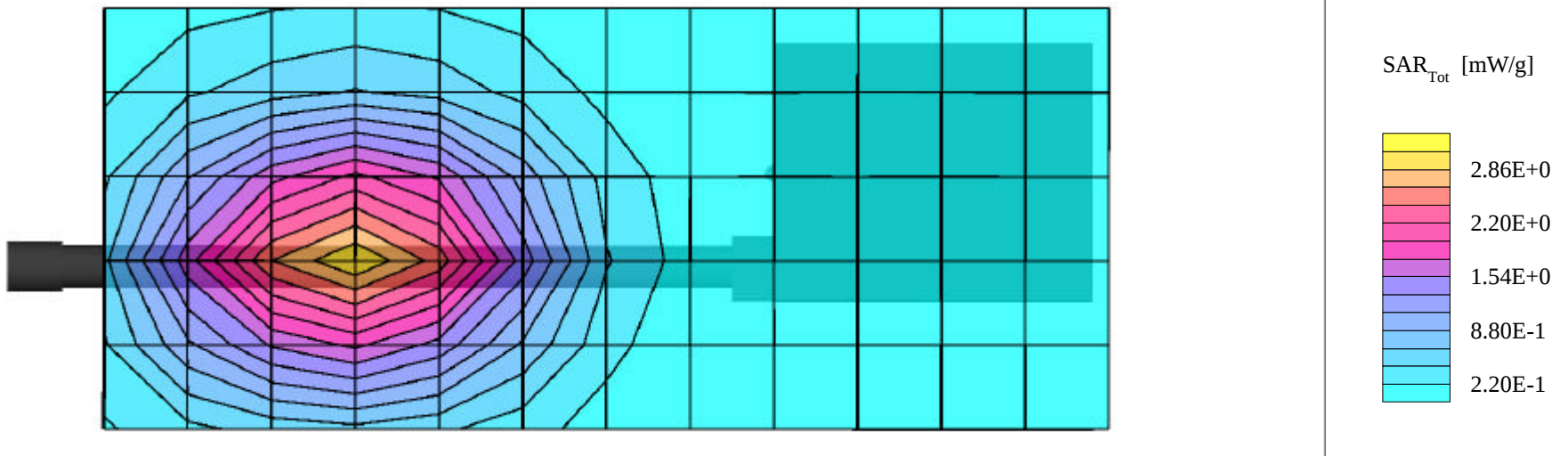


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.17 dB  
 SAR (1g): 2.70 mW/g, SAR (10g): 1.86 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip 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: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 2002

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

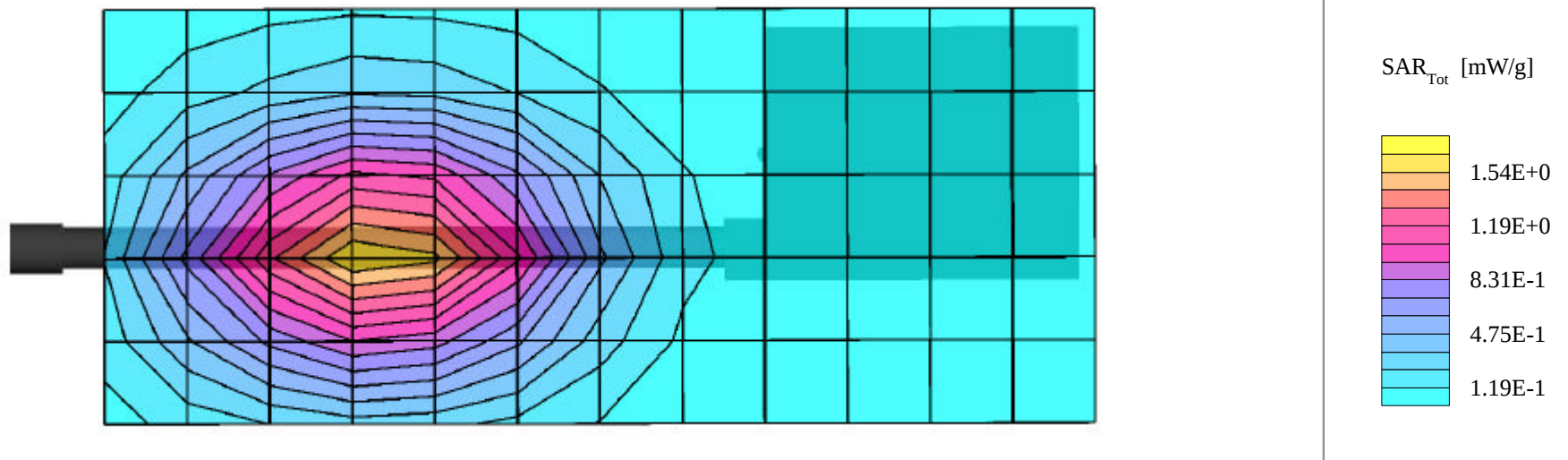


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.18 dB  
 SAR (1g): 1.61 mW/g, SAR (10g): 1.12 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip 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: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 2002

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

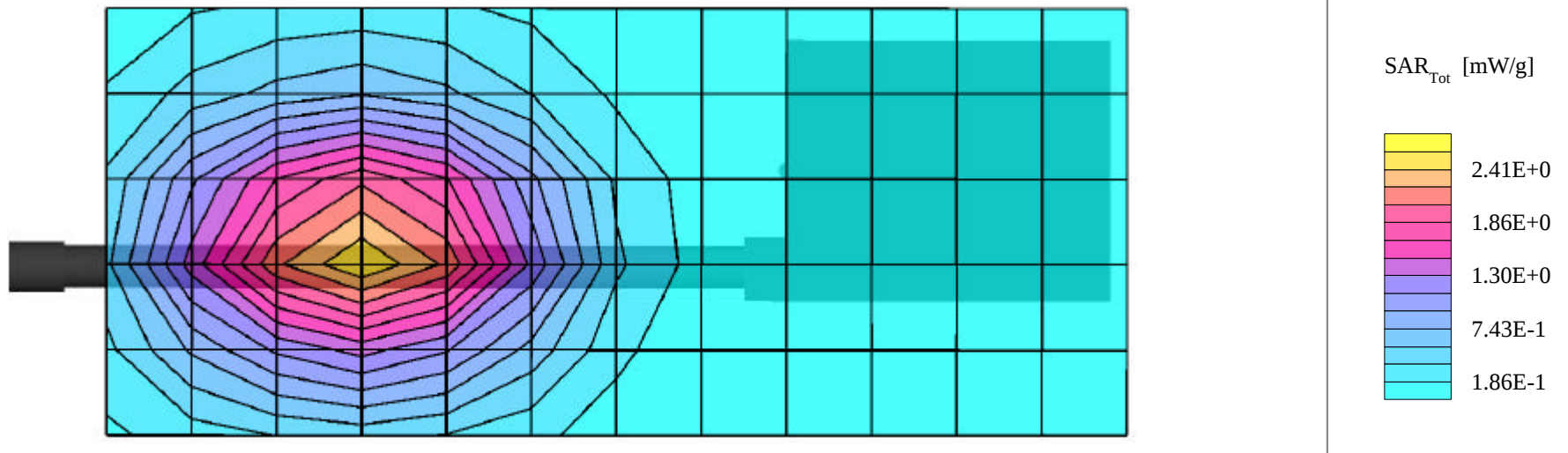


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.20 dB  
 SAR (1g): 2.38 mW/g, SAR (10g): 1.64 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip 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: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.21 dB

SAR (1g): 1.37 mW/g, SAR (10g): 0.960 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip 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: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 1.48 mW/g, SAR (10g): 1.04 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip 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: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 2.24 mW/g, SAR (10g): 1.56 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Flexible Gain Antenna (KRE1011506/1)

NiMH Battery (BKB191210/4)

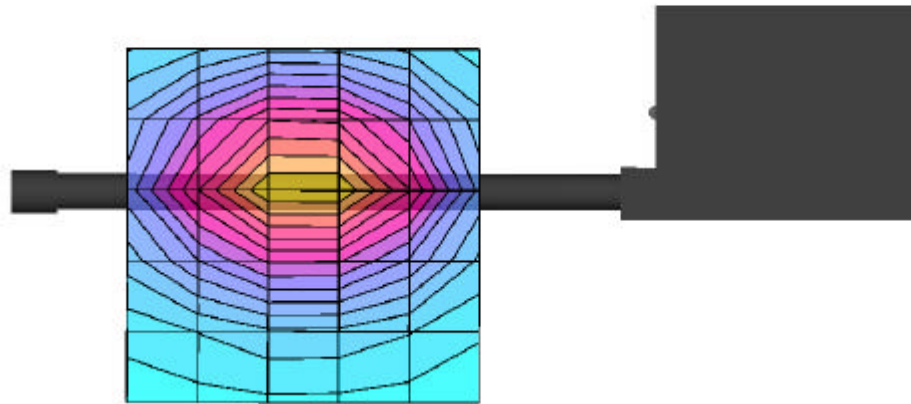
Continuous Wave Mode

High Band Low Channel [851.0125 MHz]

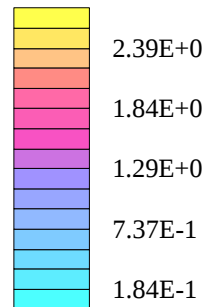
Conducted Power: 3.22 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 2002



SAR<sub>Tot</sub> [mW/g]



# 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.21 dB

SAR (1g): 2.62 mW/g, SAR (10g): 1.81 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Flexible Gain Antenna (KRE1011506/1)

NiMH Battery (BKB191210/4)

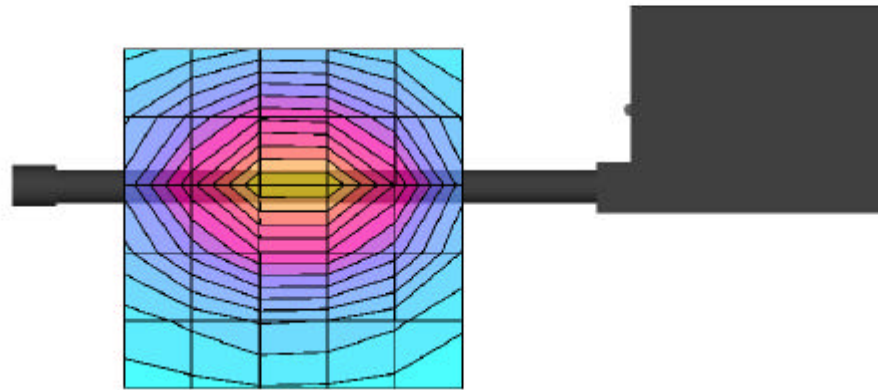
Continuous Wave Mode

High Band High Channel [868.9875 MHz]

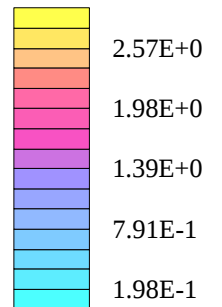
Conducted Power: 3.18 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 2002



SAR<sub>Tot</sub> [mW/g]

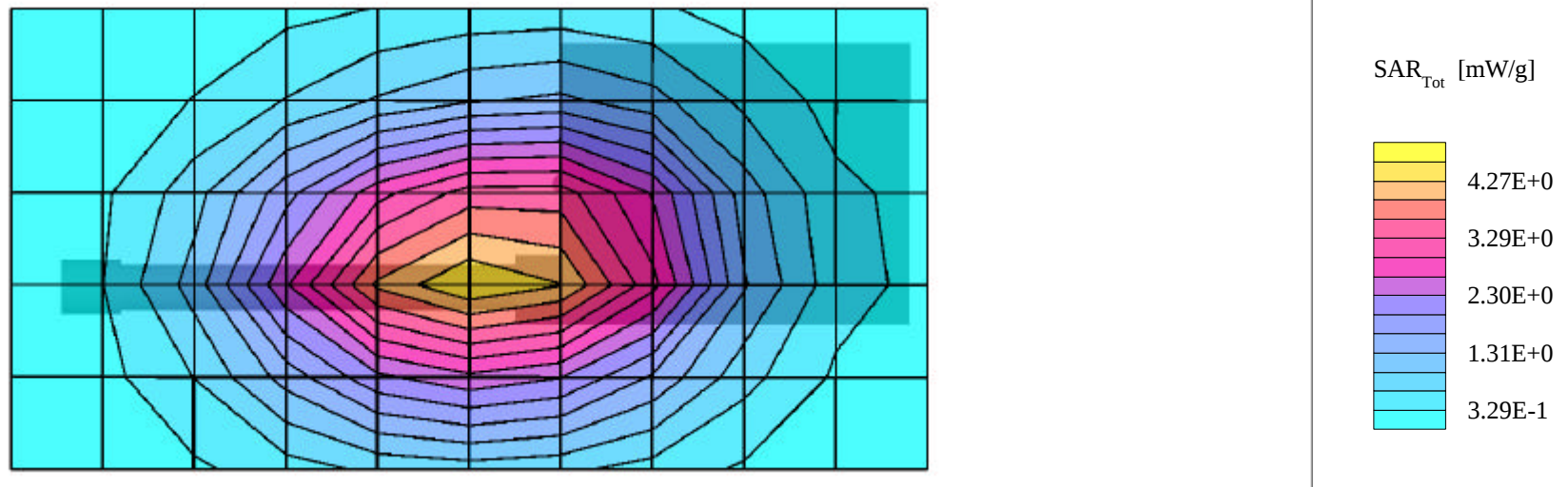


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.22 dB  
 SAR (1g): 4.38 mW/g, SAR (10g): 3.07 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip Separation Distance to Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiMH Battery (BKB191210/4)  
 Continuous Wave Mode  
 Low Band Mid Channel [815.5000 MHz]  
 Conducted Power: 3.35 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 2002

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

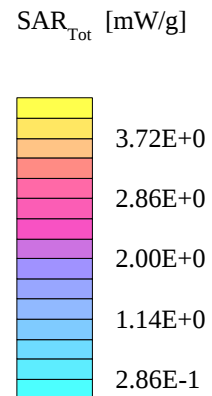
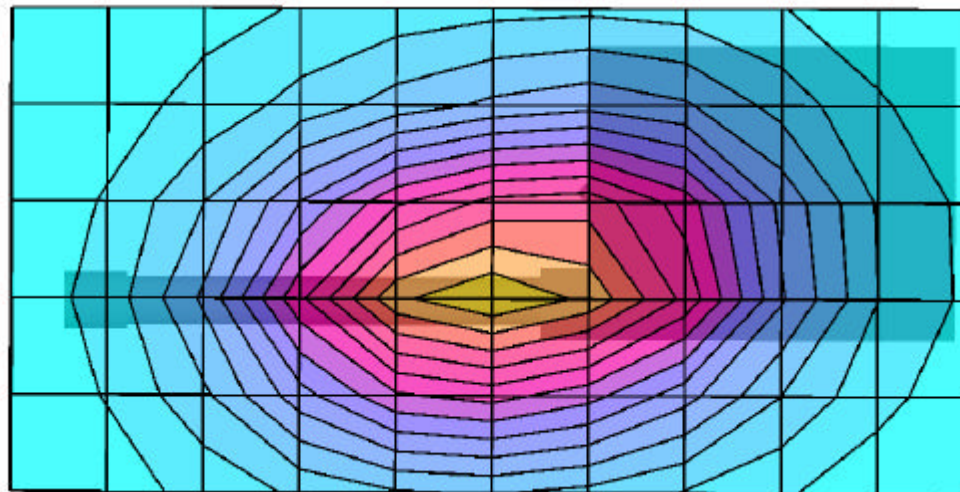


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.19 dB  
 SAR (1g): 3.75 mW/g, SAR (10g): 2.61 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip Separation Distance to Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiMH Battery (BKB191210/4)  
 Continuous Wave Mode  
 High Band Mid Channel [863.0000 MHz]  
 Conducted Power: 3.18 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 2002

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

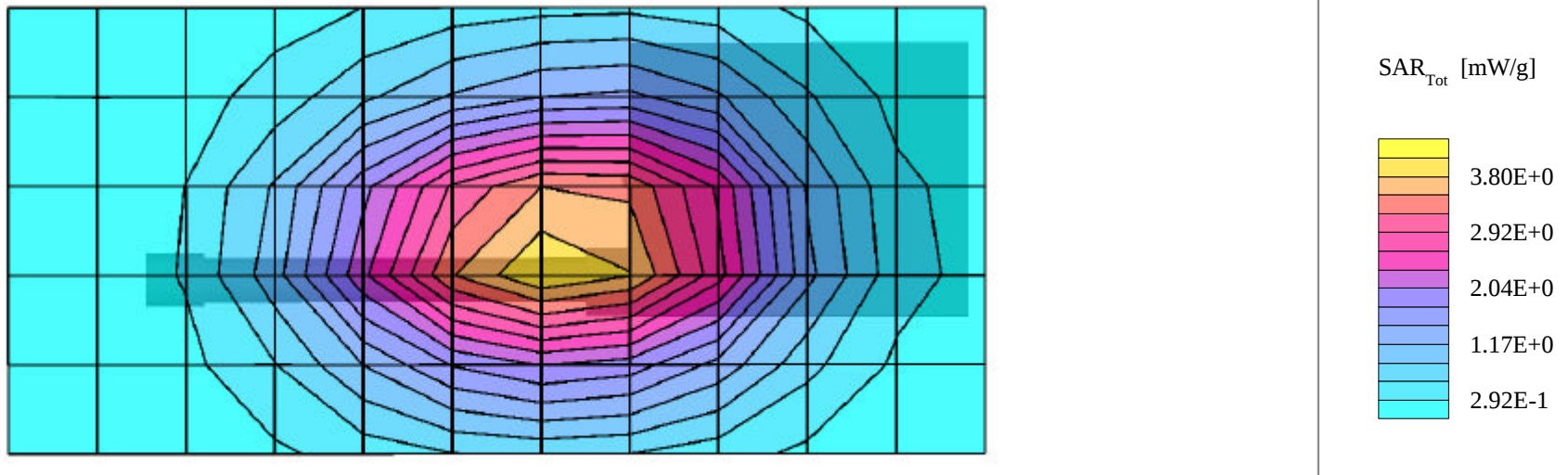


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.20 dB  
 SAR (1g): 4.00 mW/g, SAR (10g): 2.82 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip Separation Distance to Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiCd Battery (BKB191210/3)  
 Continuous Wave Mode  
 Low Band Mid Channel [815.5000 MHz]  
 Conducted Power: 3.35 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 2002

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

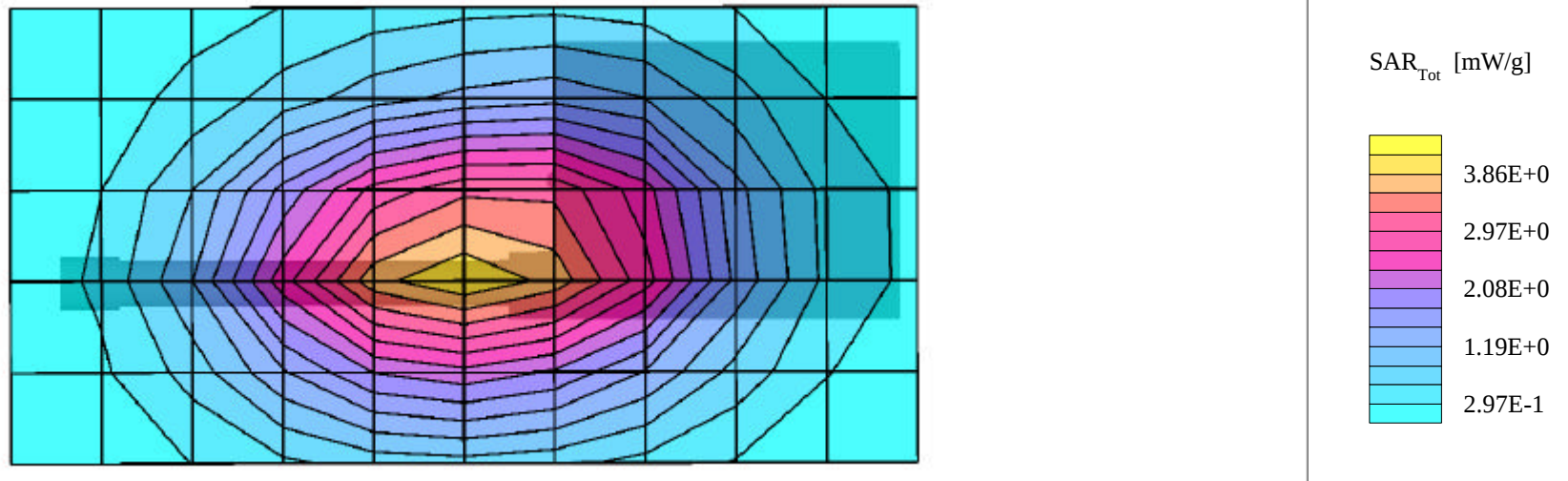


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.19 dB  
 SAR (1g): 3.96 mW/g, SAR (10g): 2.76 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
 1.3cm Lapel-Clip Separation Distance to Planar Phantom  
 J7100(PI) Portable FM PTT Radio Transceiver  
 Whip Antenna (KRE1011223/1)  
 NiCd Battery (BKB191210/3)  
 Continuous Wave Mode  
 High Band Mid Channel [863.0000 MHz]  
 Conducted Power: 3.18 Watts  
 Ambient Temp: 21.6°C; Fluid Temp: 22.2°C  
 Date Tested: October 26, 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.18 dB

SAR (1g): 4.78 mW/g, SAR (10g): 3.36 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Whip Antenna (KRE1011223/1)

NiMH Battery (BKB191210/4)

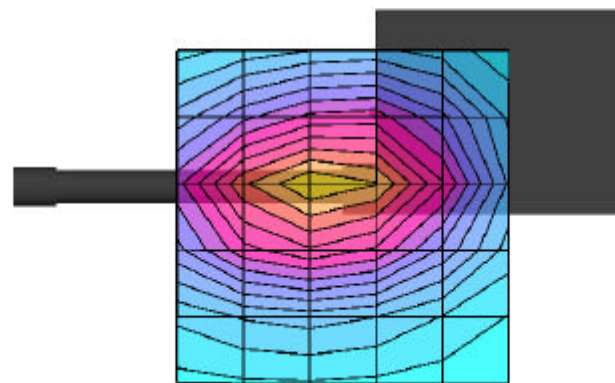
Continuous Wave Mode

Low Band Low Channel [806.0125 MHz]

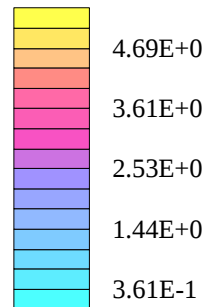
Conducted Power: 3.38 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 2002



SAR<sub>Tot</sub> [mW/g]



# 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 3.36 mW/g, SAR (10g): 2.35 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Whip Antenna (KRE1011223/1)

NiMH Battery (BKB191210/4)

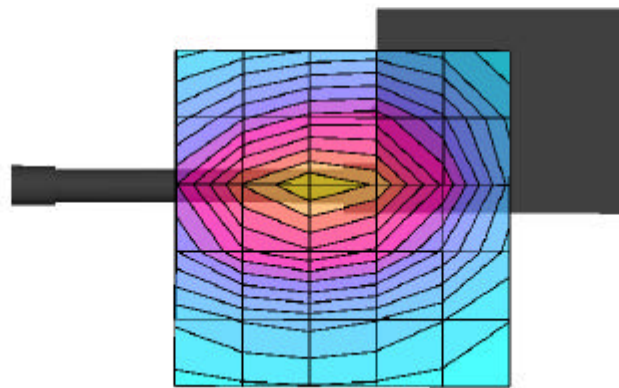
Continuous Wave Mode

Low Band High Channel [823.9875 MHz]

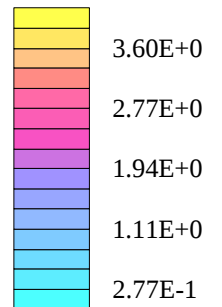
Conducted Power: 3.33 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 2002



SAR<sub>Tot</sub> [mW/g]



# 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.21 dB

SAR (1g): 3.31 mW/g, SAR (10g): 2.31 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Whip Antenna (KRE1011223/1)

NiCd Battery (BKB191210/3)

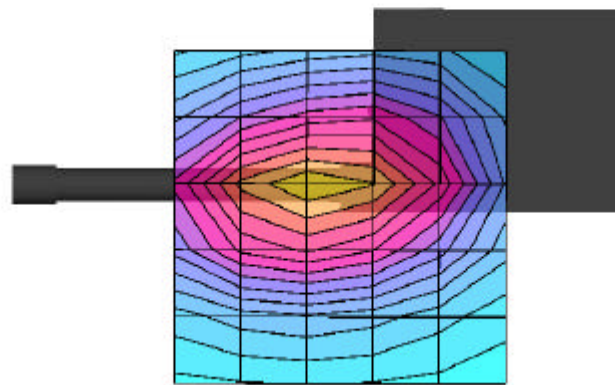
Continuous Wave Mode

High Band Low Channel [851.0125 MHz]

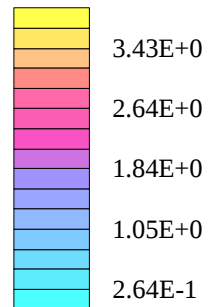
Conducted Power: 3.22 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 2002



SAR<sub>Tot</sub> [mW/g]



# 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:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 4.93 mW/g, SAR (10g): 3.40 mW/g

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)

1.3cm Lapel-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Whip Antenna (KRE1011223/1)

NiCd Battery (BKB191210/3)

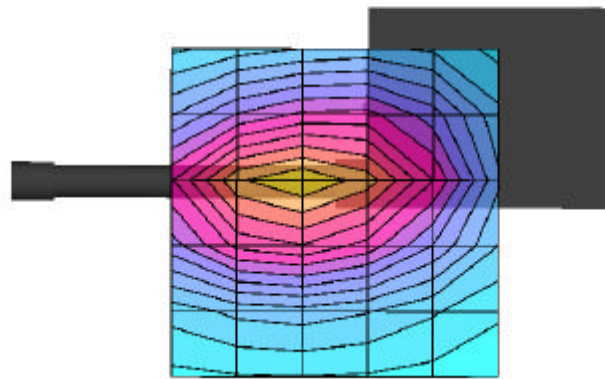
Continuous Wave Mode

High Band High Channel [868.9875 MHz]

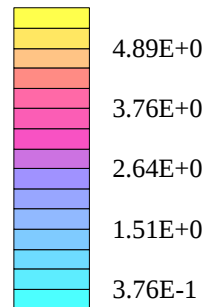
Conducted Power: 3.18 Watts

Ambient Temp: 21.6°C; Fluid Temp: 22.2°C

Date Tested: October 26, 2002



SAR<sub>Tot</sub> [mW/g]

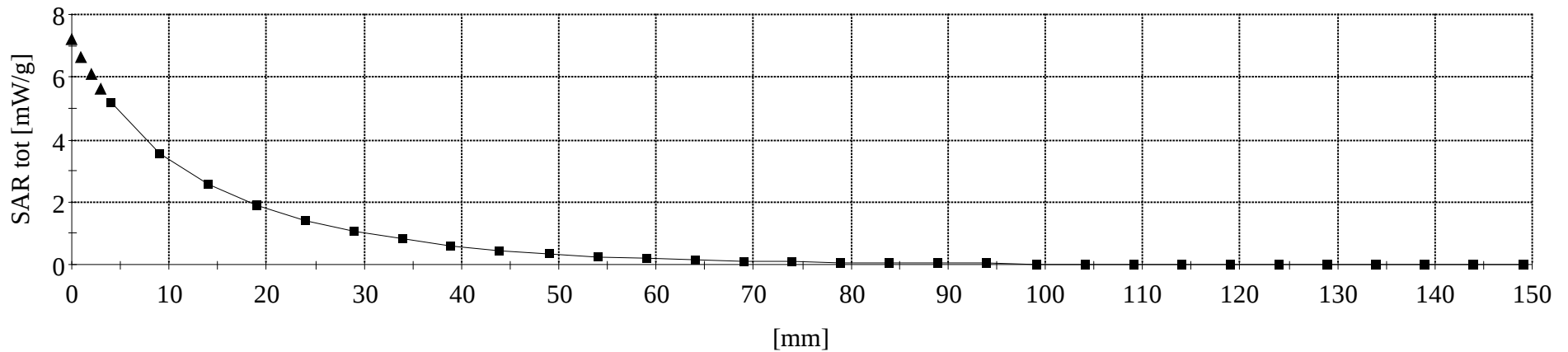


## M/A-COM PRS INC. FCC ID: OWDTR-0018-E

Small Planar Phantom; Planar Section  
Probe: ET3DV6 - SN1387; ConvF(6.30,6.30,6.30); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.98$  mho/m  $\epsilon_r = 54.3$   $\rho = 1.00$  g/cm<sup>3</sup>

## Z-Axis Extrapolation at Peak SAR Location

Body-Worn SAR with Speaker-Microphone Antenna Version Plus (KRY1011617/84R1A, KRY1011617/184R1A)  
1.3cm Lapel-Clip Separation Distance to Planar Phantom  
J7100(PI) Portable FM PTT Radio Transceiver  
Whip Antenna (KRE1011223/1)  
NiCd Battery (BKB191210/3)  
Continuous Wave Mode  
High Band High Channel [868.9875 MHz]  
Conducted Power: 3.18 Watts  
Ambient Temp: 21.6°C; Fluid Temp: 22.2°C  
Date Tested: October 26, 2002



## Body-worn SAR Test Plots (with Metal Belt-Clip & Speaker-Microphone)

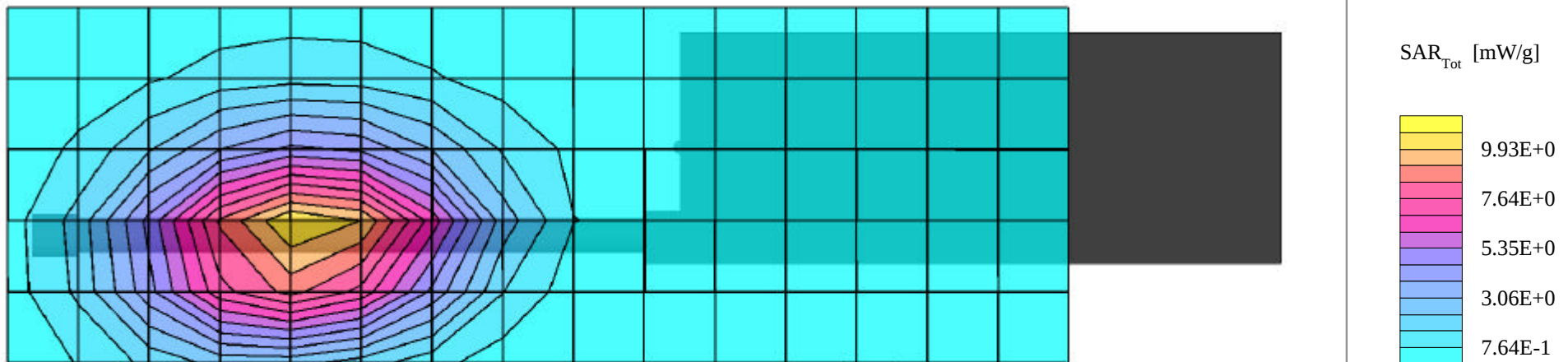
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# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.19 dB  
 SAR (1g): 9.83 mW/g, SAR (10g): 6.80 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)  
 1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C  
 Date Tested: October 28, 2002

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

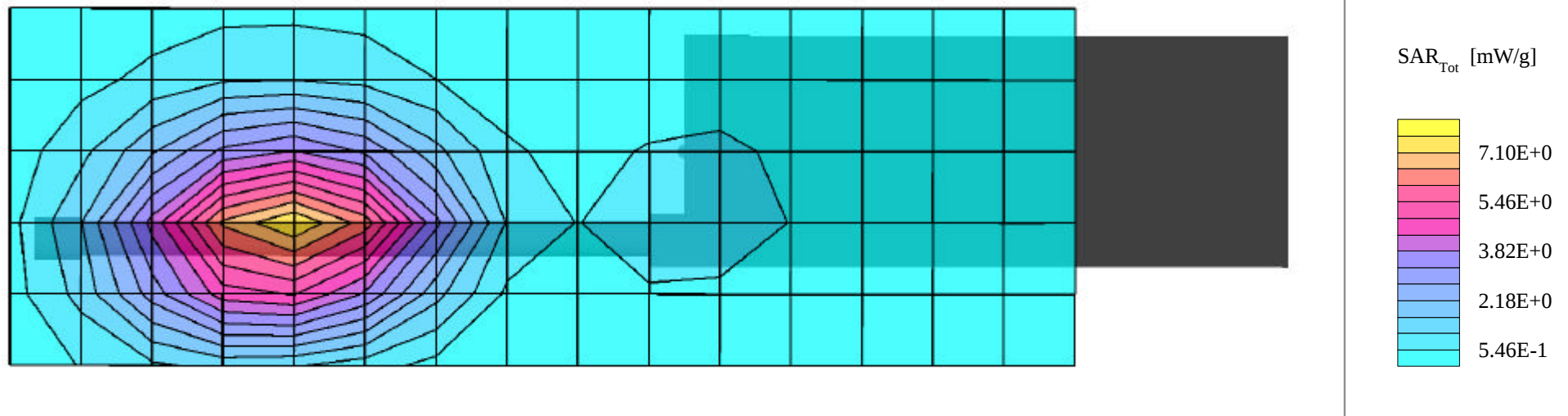


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.18 dB  
 SAR (1g): 6.91 mW/g, SAR (10g): 4.71 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)  
 1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C  
 Date Tested: October 28, 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 10.2 mW/g, SAR (10g): 7.03 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Flexible Gain Antenna (KRE1011506/1)

NiCd Battery (BKB191210/3)

Continuous Wave Mode

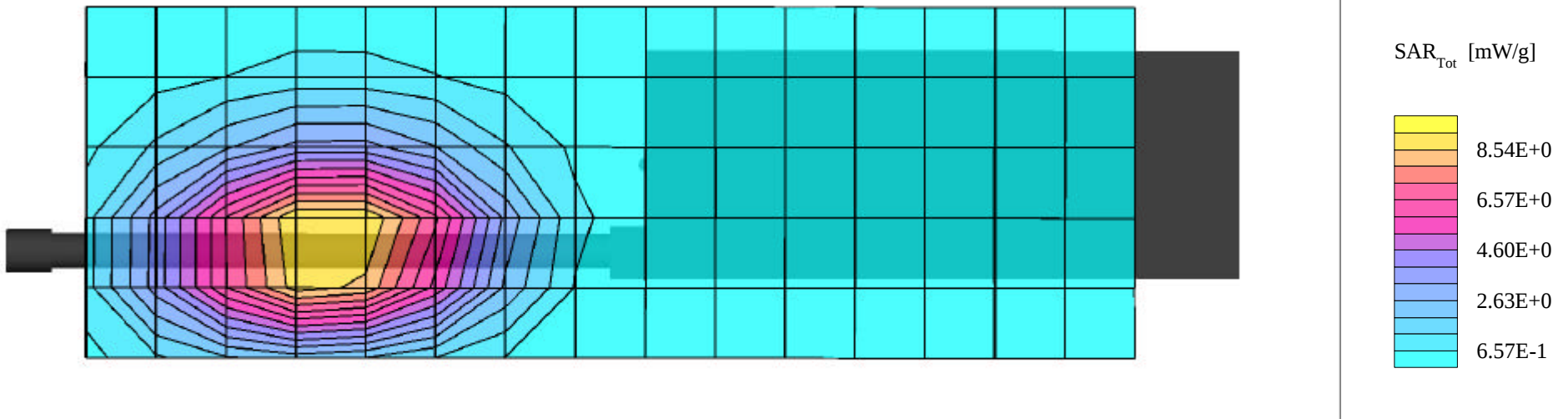
Low Band Mid Channel [815.5000 MHz]

Conducted Power: 3.35 Watts

Ambient Temp: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 2002

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

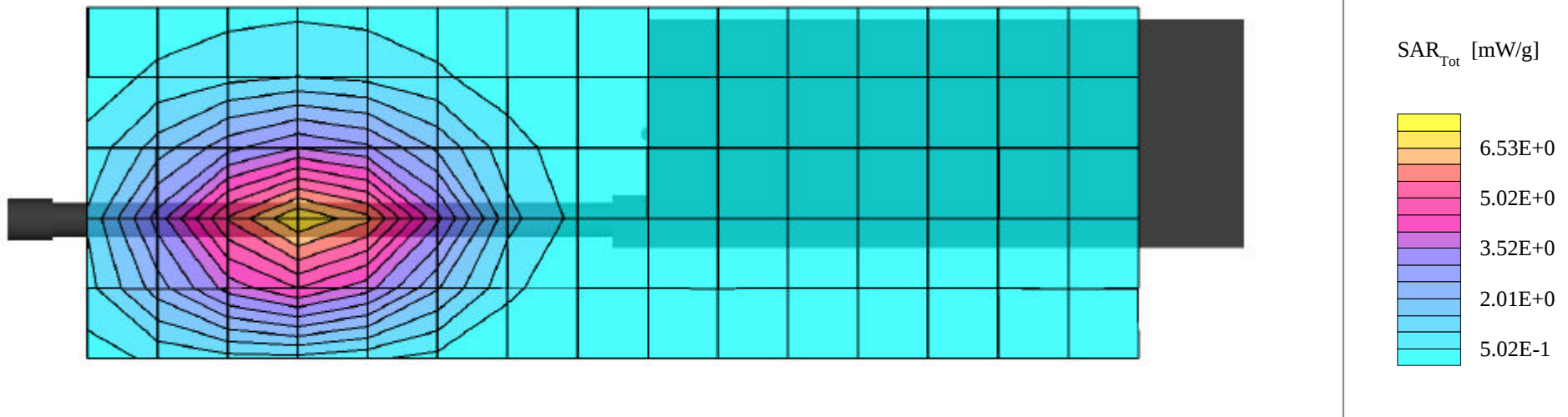


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.21 dB  
 SAR (1g): 6.54 mW/g, SAR (10g): 4.47 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)  
 1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C  
 Date Tested: October 28, 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 10.3 mW/g, SAR (10g): 7.15 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.22 dB

SAR (1g): 12.1 mW/g, SAR (10g): 8.36 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 2002



## 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

## Z-Axis Extrapolation at Peak SAR Location

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip Separation Distance to Planar Phantom

J7100(PI) Portable FM PTT Radio Transceiver

Flexible Gain Antenna (KRE1011506/1)

NiCd Battery (BKB191210/3)

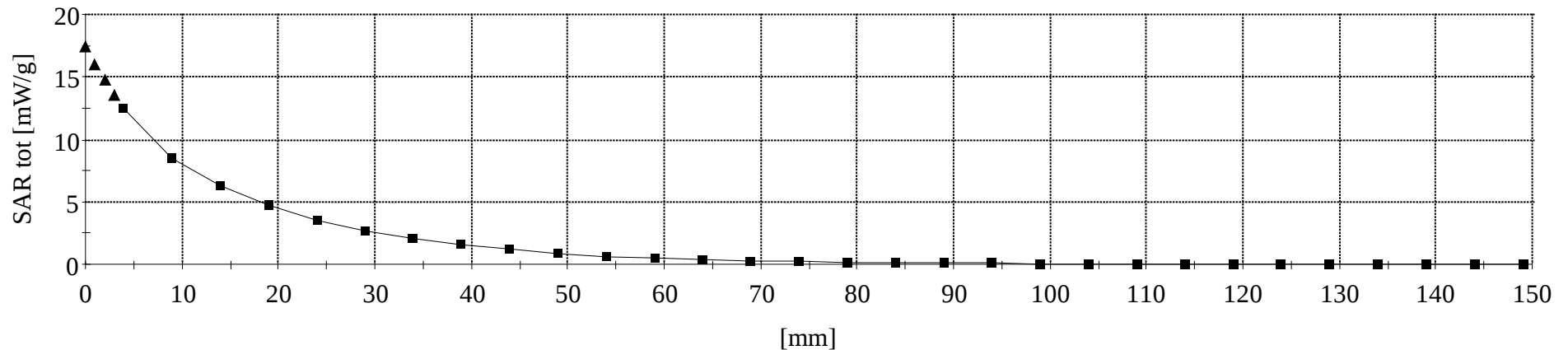
Continuous Wave Mode

Low Band High Channel [823.9875 MHz]

Conducted Power: 3.33 Watts

Ambient Temp: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.19 dB

SAR (1g): 9.55 mW/g, SAR (10g): 6.49 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.20 dB

SAR (1g): 7.82 mW/g, SAR (10g): 5.34 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 2002

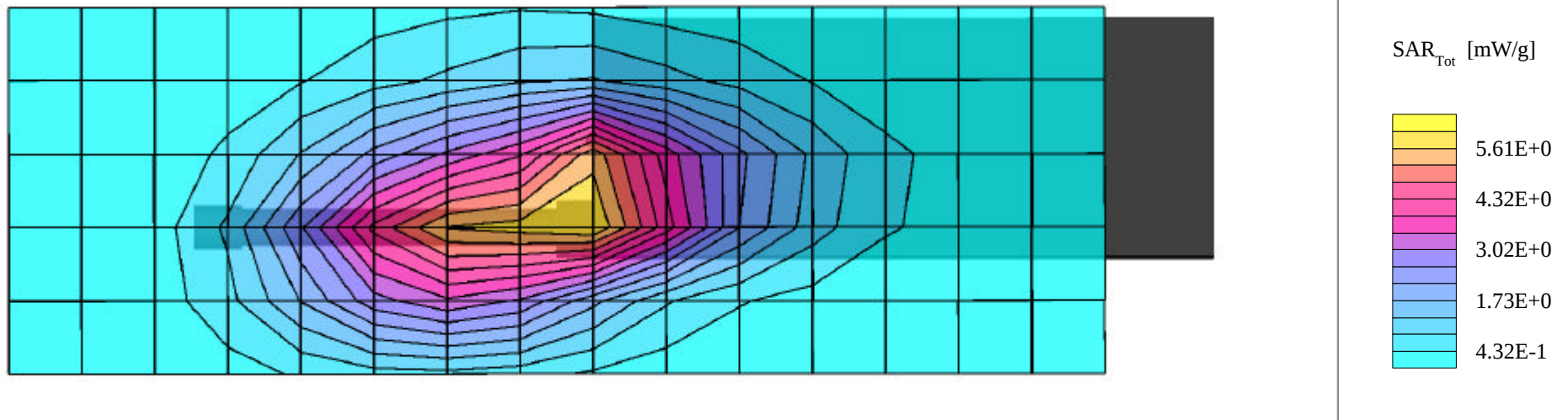


# M/A-COM PRS INC. FCC ID: OWDTR-0018-E

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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.21 dB  
 SAR (1g): 5.89 mW/g, SAR (10g): 3.83 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)  
 1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C  
 Date Tested: October 28, 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 52.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.18 dB

SAR (1g): 5.82 mW/g, SAR (10g): 3.78 mW/g

Body-Worn SAR with Metal Belt-Clip (KRY1011647/1) & Speaker-Microphone (KRY1011617/83R1A, KRY1011617/183R1A)

1.1cm Belt-Clip 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: 21.4°C; Fluid Temp: 21.9°C

Date Tested: October 28, 2002

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

