

M/A-COM INC. FCC ID: OWDTR-0016-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1590; ConvF(7.90,7.90,7.90); Crest factor: 1.0

450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 4.37 mW/g, SAR (10g): 3.10 mW/g

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

1.3cm Lapel-Clip Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

Quarter-Wave Whip Antenna (KRE1011223/10)

NiMH Battery - Intrinsically Safe (BKB191210/6)

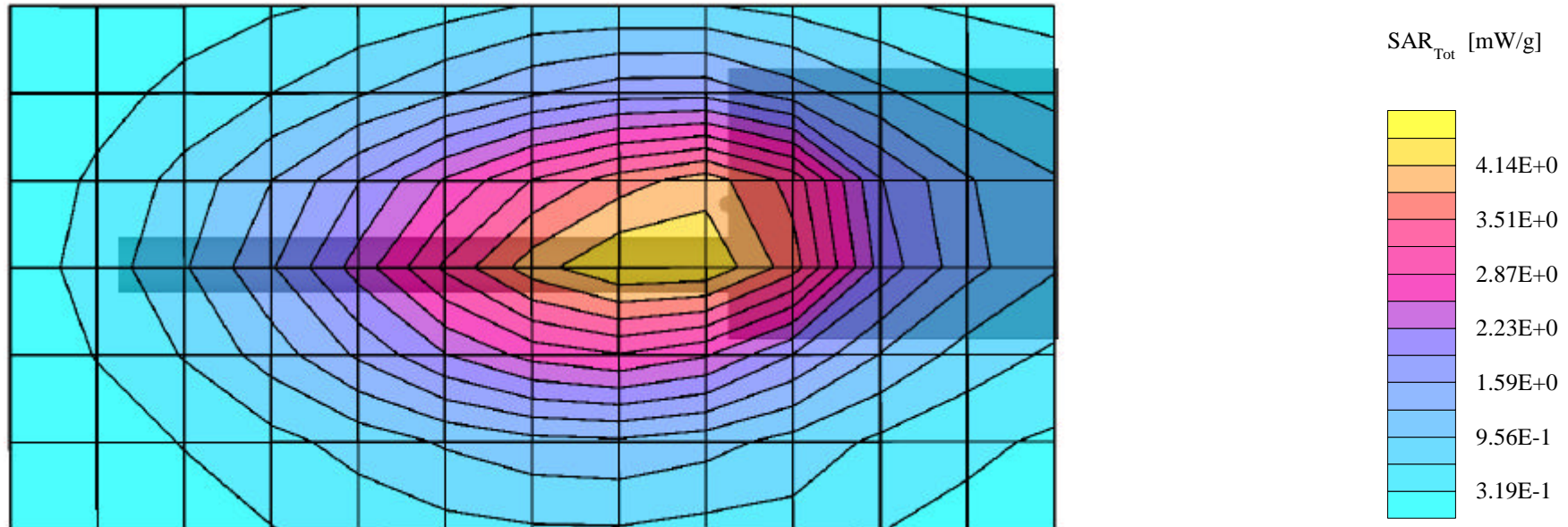
Continuous Wave Mode

Mid Channel [403.000 MHz]

Conducted Power: 4.28 Watts

Ambient Temp. 21.9°C; Fluid Temp. 22.0°C

Date Tested: April 22, 2003



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Small Planar Phantom; Planar Section; Position: (270°,180°)
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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 6.34 mW/g, SAR (10g): 4.32 mW/g

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

1.3cm Lapel-Clip Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

Helical Coil Antenna (KRE1011219/10)

NiCd Battery - Non-Intrinsically Safe (BKB191210/3)

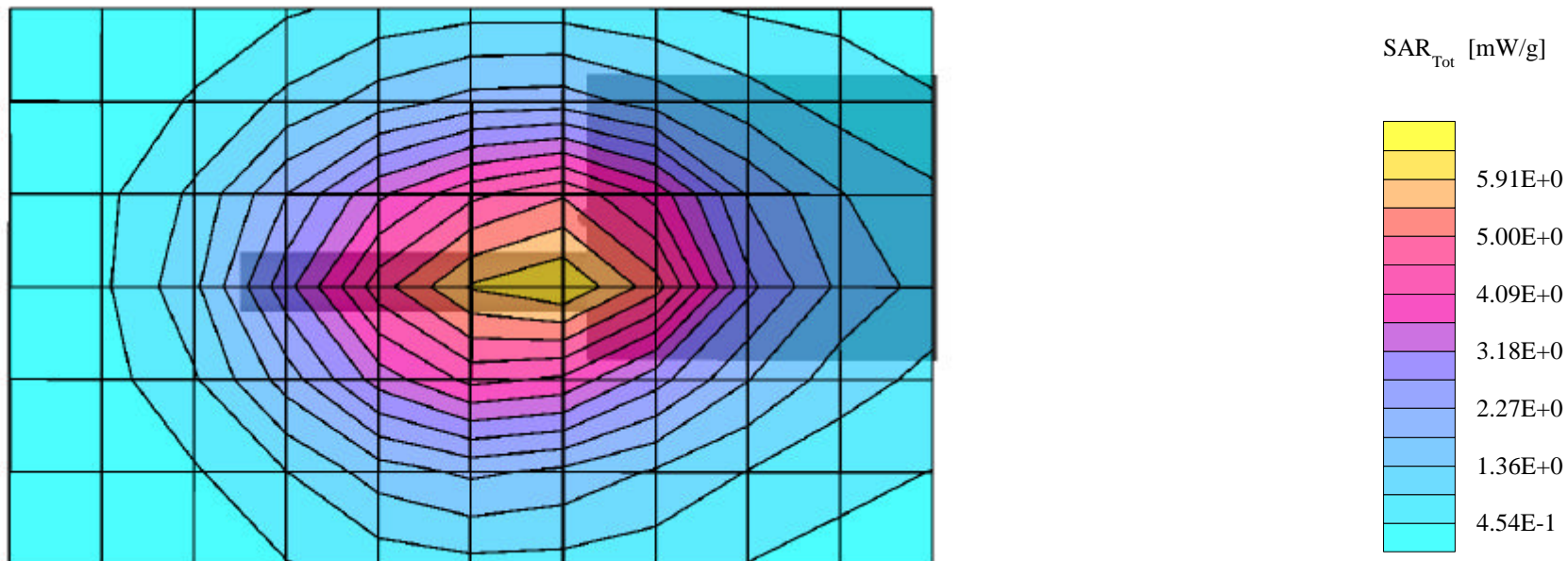
Continuous Wave Mode

Mid Channel [403.000 MHz]

Conducted Power: 4.30 Watts

Ambient Temp. 21.9°C; Fluid Temp. 22.0°C

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Probe: ET3DV6 - SN1590; ConvF(7.90,7.90,7.90); Crest factor: 1.0

450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 5.14 mW/g, SAR (10g): 3.47 mW/g

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

1.3cm Lapel-Clip Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

Helical Coil Antenna (KRE1011219/9)

NiCd Battery - Intrinsically Safe (BKB191210/5)

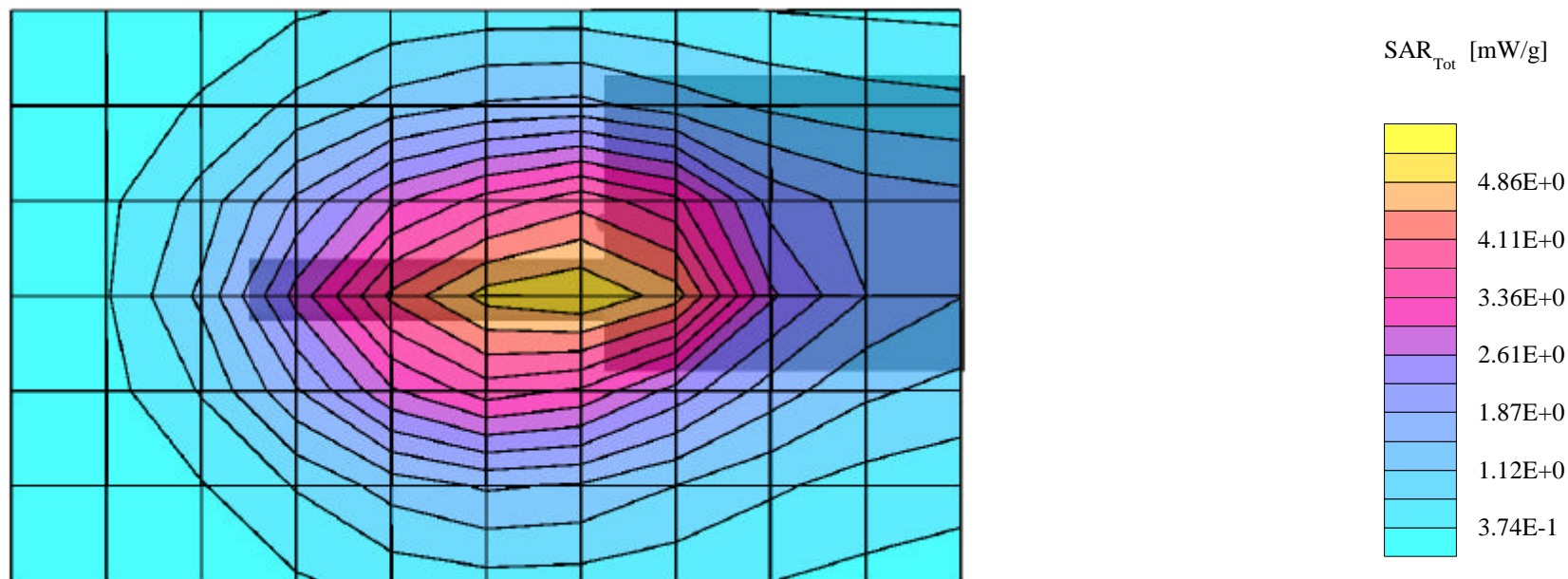
Continuous Wave Mode

Mid Channel [403.000 MHz]

Conducted Power: 4.29 Watts

Ambient Temp. 21.9°C; Fluid Temp. 22.0°C

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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 8.25 mW/g, SAR (10g): 5.89 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)

1.6cm T-Strap Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Quarter-Wave Whip Antenna (KRE1011223/10)

NiMH Battery - Intrinsically Safe (BKB191210/6)

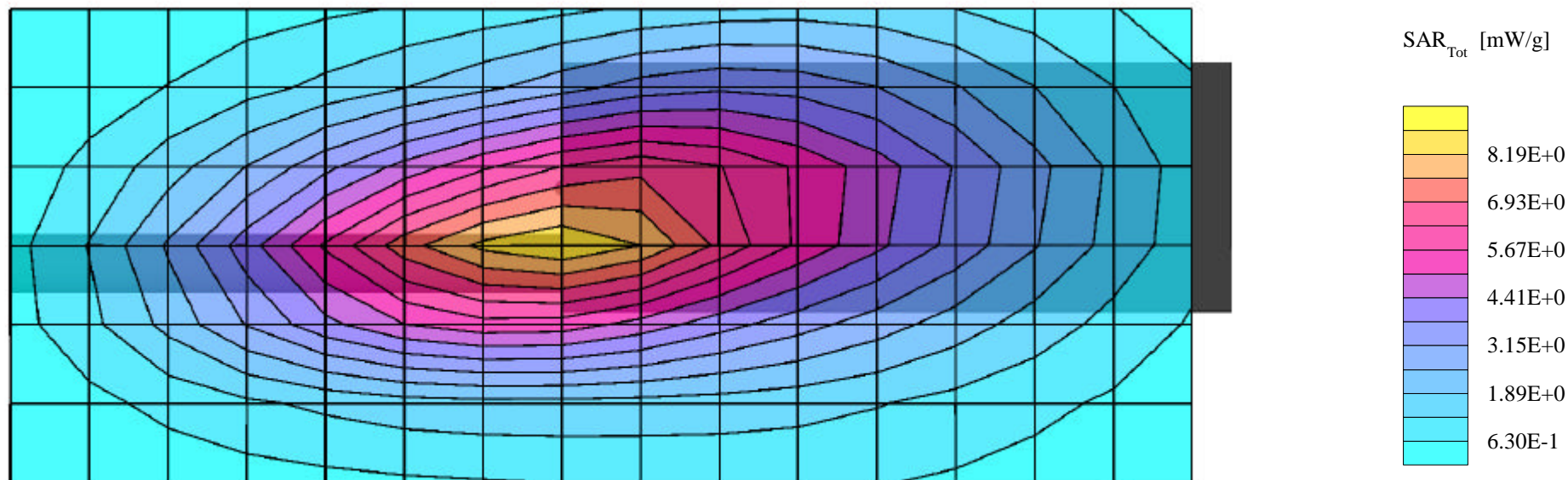
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Mid Channel [403.000 MHz]

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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 2.93 mW/g, SAR (10g): 2.01 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)

1.6cm T-Strap Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Quarter-Wave Whip Antenna (KRE1011223/10)

NiMH Battery - Intrinsically Safe (BKB191210/6)

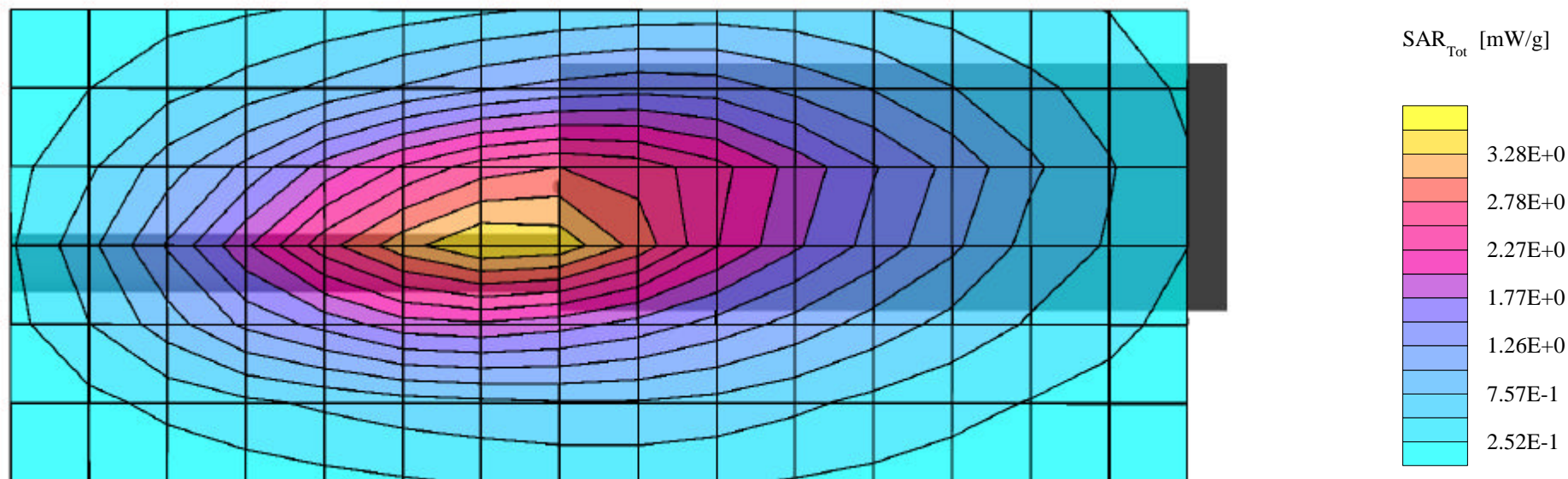
Continuous Wave Mode

Low Channel [378.000 MHz]

Conducted Power: 4.35 Watts

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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 4.68 mW/g, SAR (10g): 3.14 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)

1.6cm T-Strap Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Quarter-Wave Whip Antenna (KRE1011223/10)

NiMH Battery - Intrinsically Safe (BKB191210/6)

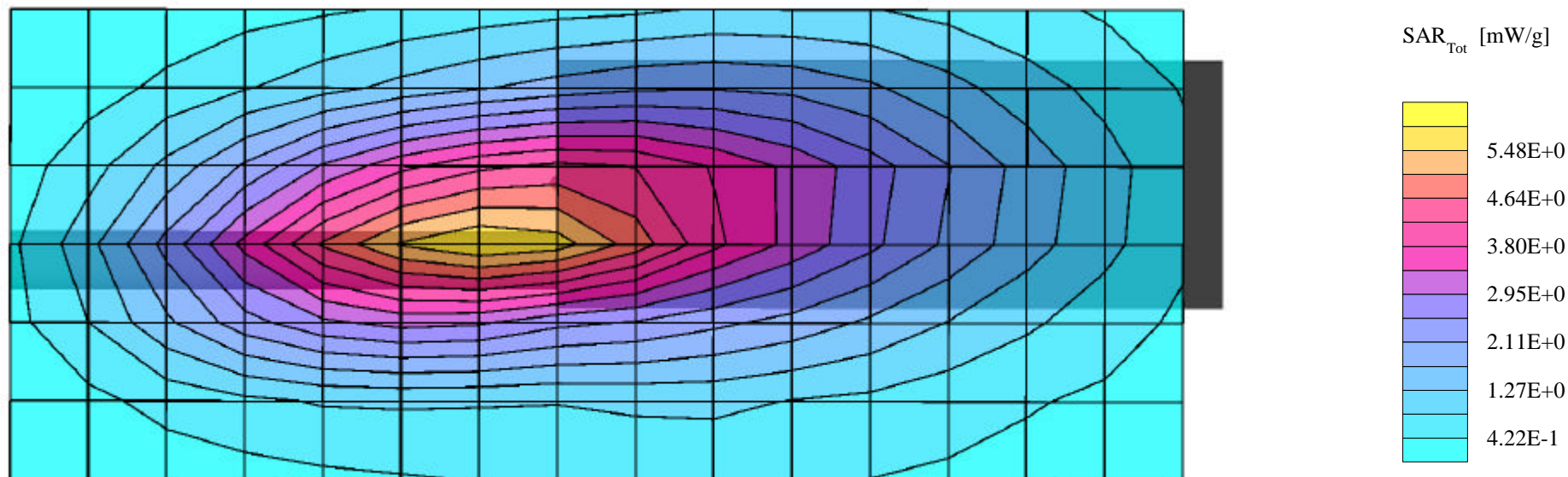
Continuous Wave Mode

High Channel [430.000 MHz]

Conducted Power: 4.34 Watts

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Probe: ET3DV6 - SN1590; ConvF(7.90,7.90,7.90); Crest factor: 1.0

450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 5.70 mW/g, SAR (10g): 4.05 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)

1.6cm T-Strap Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Helical Coil Antenna (KRE1011219/10)

NiCd Battery - Non-Intrinsically Safe (BKB191210/3)

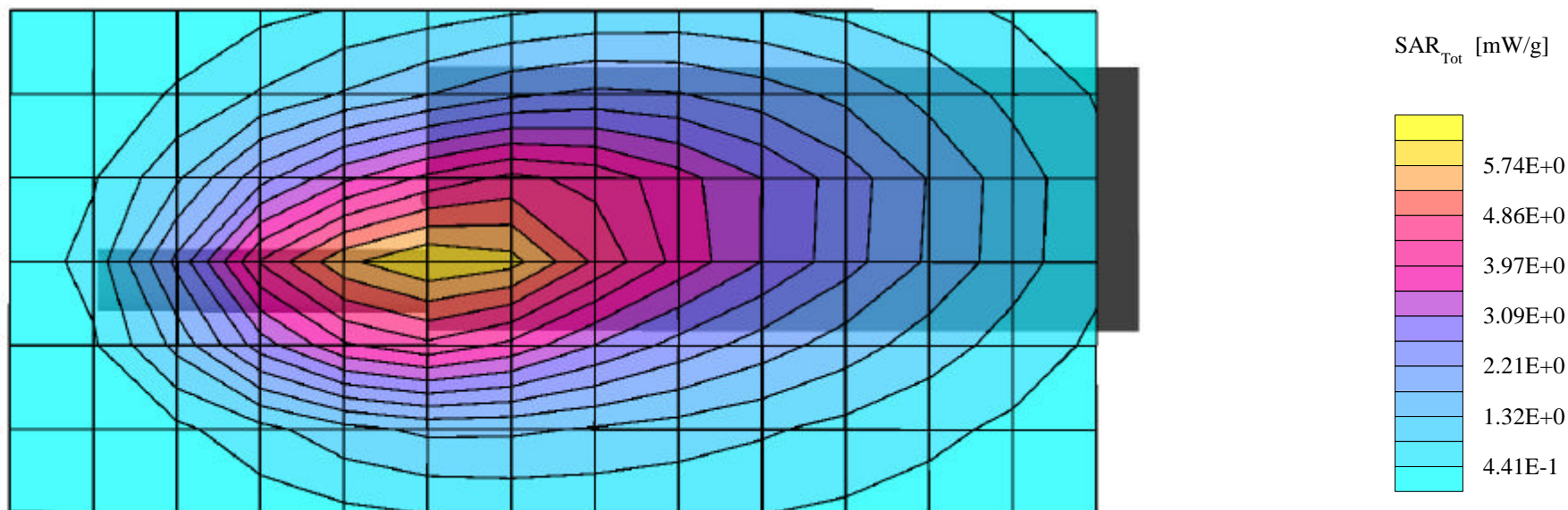
Continuous Wave Mode

Mid Channel [403.000 MHz]

Conducted Power: 4.32 Watts

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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 2.00 mW/g, SAR (10g): 1.42 mW/g

Body-Worn SAR with Nylon T-Strap (KRY1011656/1)

1.6cm T-Strap Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Helical Coil Antenna (KRE1011219/9)

NiCd Battery - Intrinsically Safe (BKB191210/5)

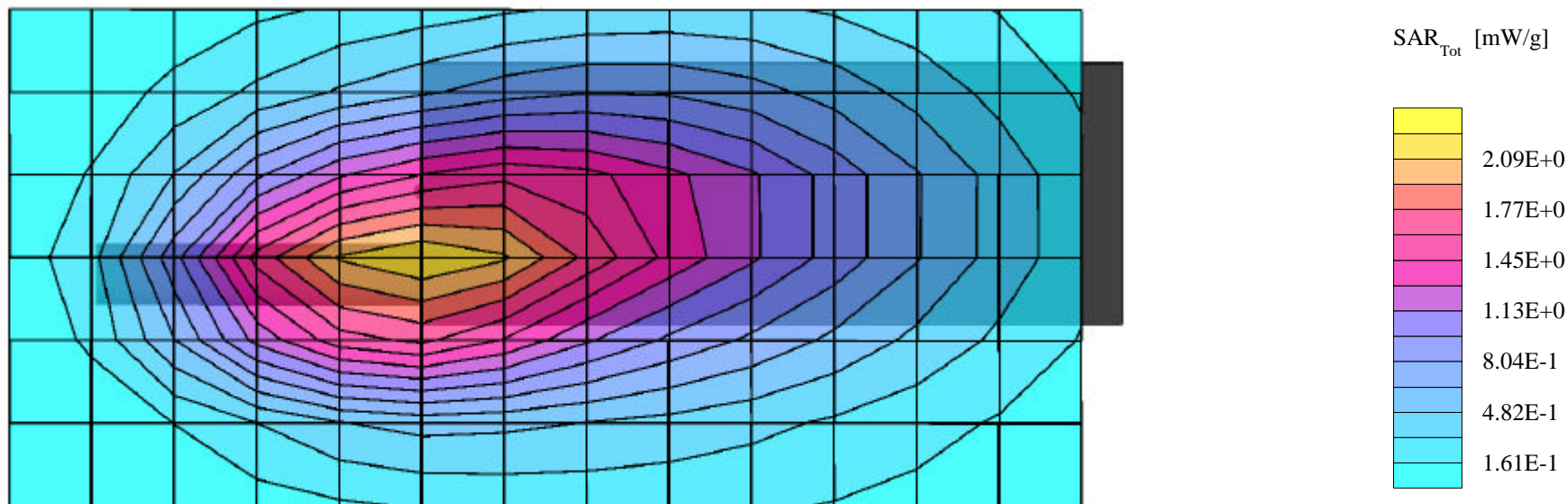
Continuous Wave Mode

Mid Channel [403.000 MHz]

Conducted Power: 4.31 Watts

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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 5.16 mW/g, SAR (10g): 3.82 mW/g

Body-Worn SAR with Leather Case (Belt-Loop type - KRY1011638/1)

1.7cm Leather Case/Belt-Loop Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Quarter-Wave Whip Antenna (KRE1011223/10)

NiMH Battery - Intrinsically Safe (BKB191210/6)

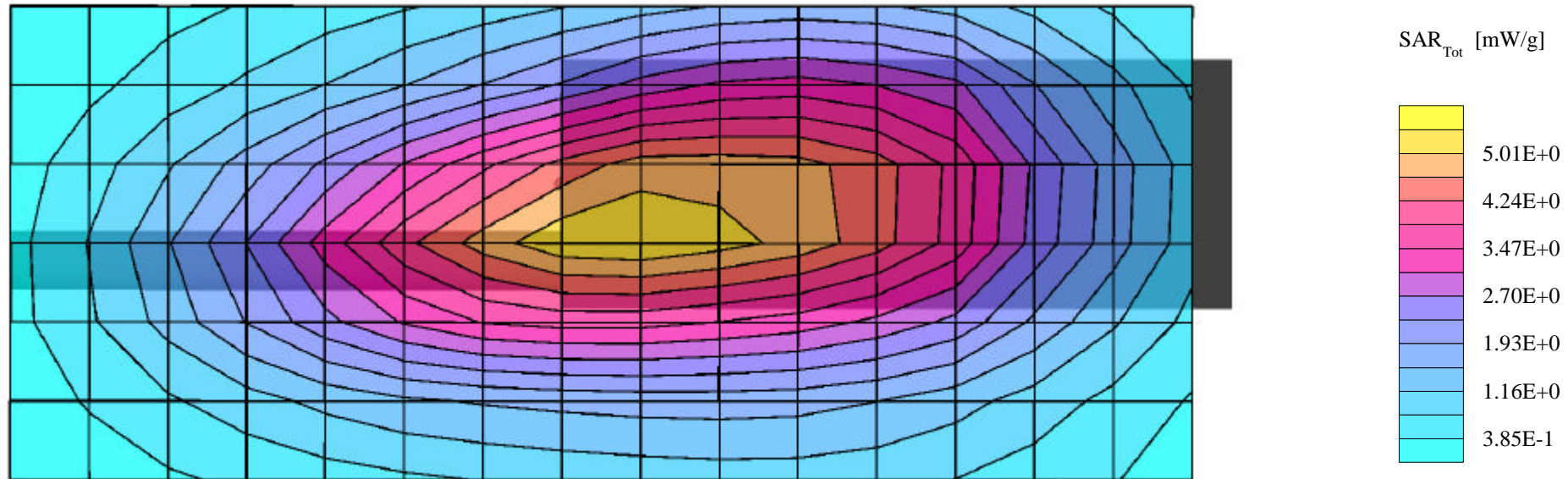
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Mid Channel [403.000 MHz]

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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 4.73 mW/g, SAR (10g): 3.44 mW/g

Body-Worn SAR with Leather Case (Belt-Loop type - KRY1011638/1)

1.7cm Leather Case/Belt-Loop Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Helical Coil Antenna (KRE1011219/10)

NiCd Battery - Non-Intrinsically Safe (BKB191210/3)

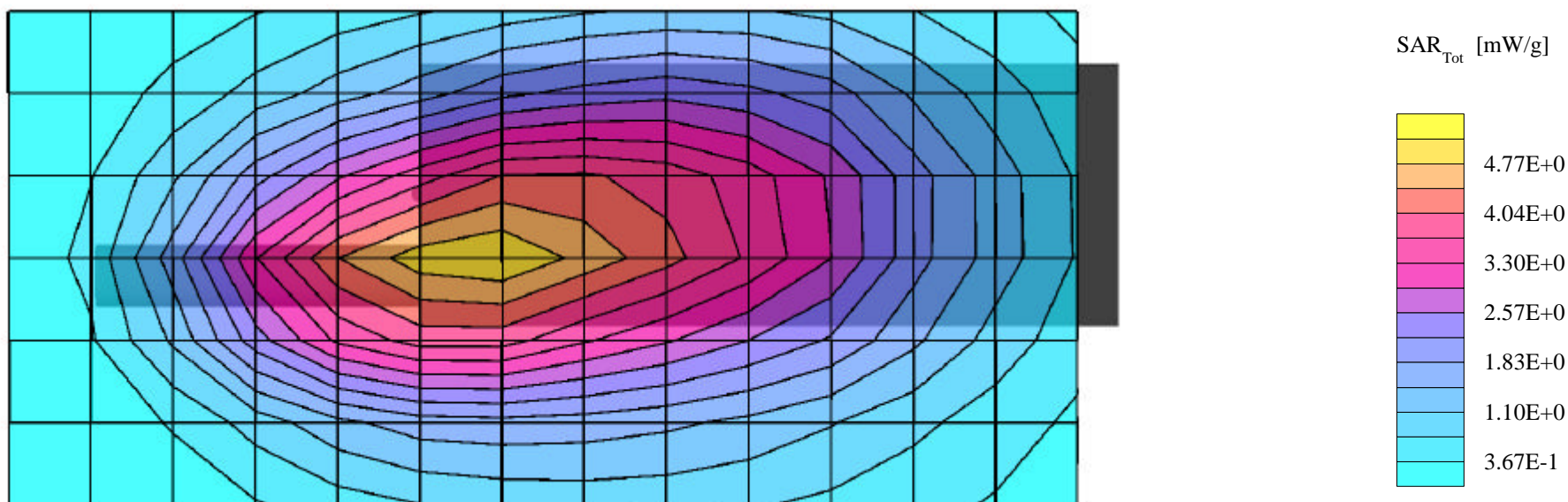
Continuous Wave Mode

Mid Channel [403.000 MHz]

Conducted Power: 4.30 Watts

Ambient Temp. 21.9°C; Fluid Temp. 22.0°C

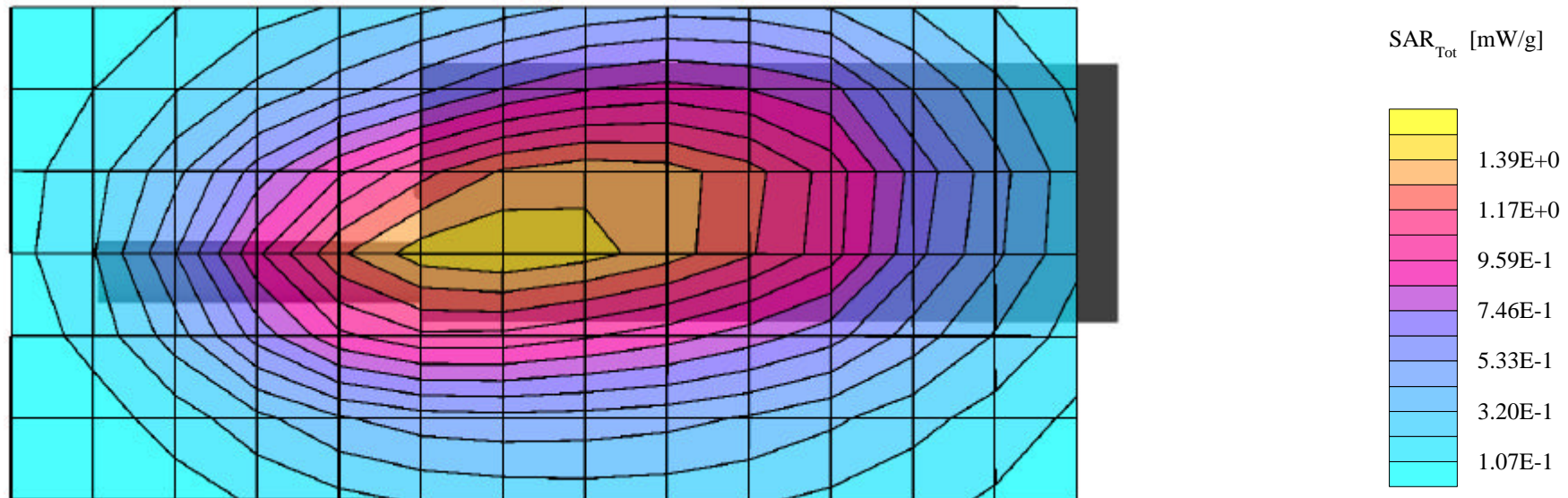
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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.29 mW/g, SAR (10g): 0.967 mW/g

Body-Worn SAR with Leather Case (Belt-Loop type - KRY1011638/1)
1.7cm Leather Case/Belt-Loop Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/9)
NiCd Battery - Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [403.000 MHz]
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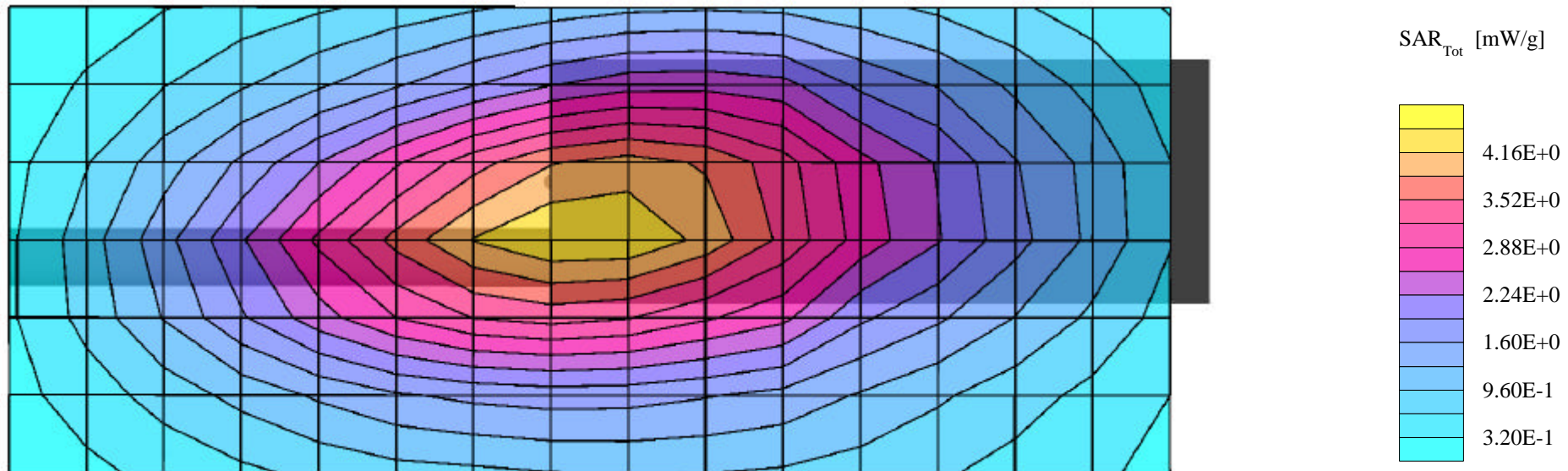
450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 4.16 mW/g, SAR (10g): 3.12 mW/g

Body-Worn SAR with Belt Loop & Swivel (KRY1011609/1)
3.5cm Belt Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Quarter-Wave Whip Antenna (KRE1011223/10)
NiMH Battery - Intrinsically Safe (BKB191210/6)
Continuous Wave Mode
Mid Channel [403.000 MHz]
Conducted Power: 4.31 Watts
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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 3.22 mW/g, SAR (10g): 2.42 mW/g

Body-Worn SAR with Belt Loop & Swivel (KRY1011609/1)
3.5cm Belt Loop & Swivel Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/10)
NiCd Battery - Non-Intrinsically Safe (BKB191210/3)

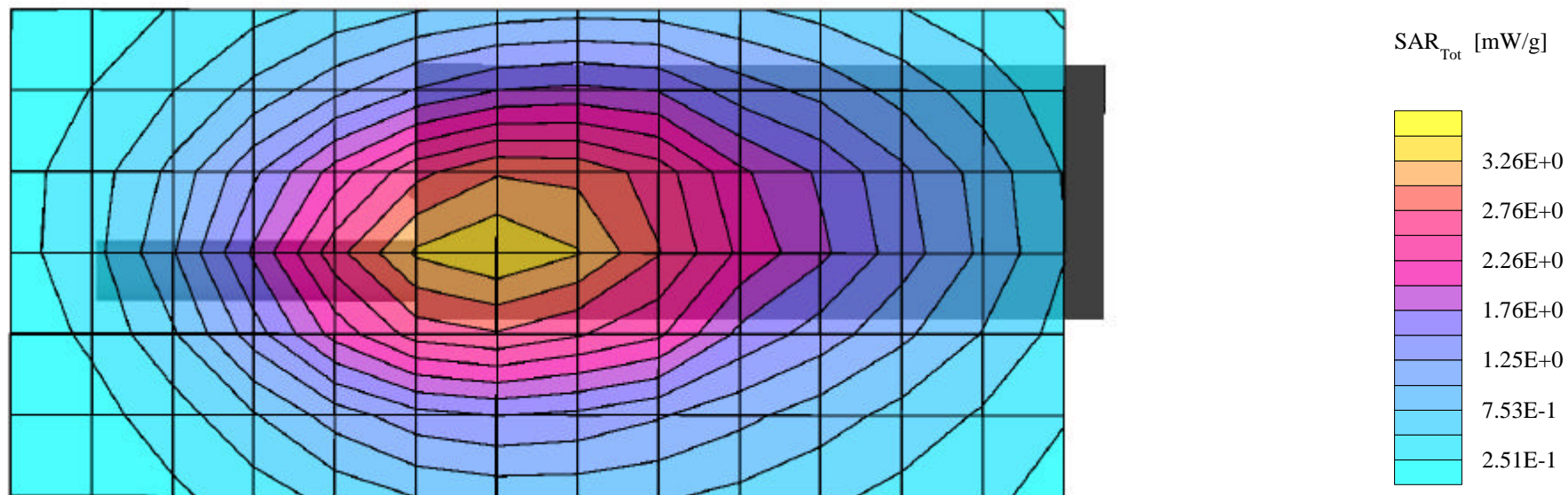
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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 1.22 mW/g, SAR (10g): 0.911 mW/g

Body-Worn SAR with Belt Loop & Swivel (KRY1011609/1)
3.5cm Belt Loop & Swivel Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)

Helical Coil Antenna (KRE1011219/9)

NiCd Battery - Intrinsically Safe (BKB191210/5)

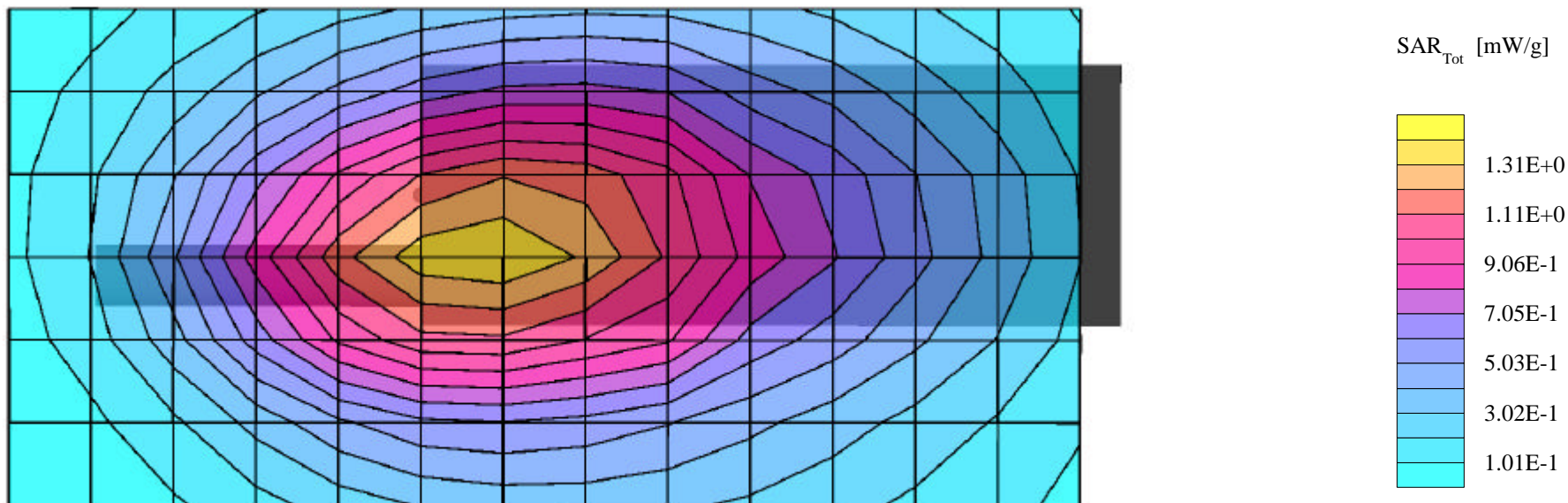
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450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 3.59 mW/g, SAR (10g): 2.71 mW/g

Body-Worn SAR with Nylon Case, Belt-Loop, & Swivel Mount (KRY1011648/1)
4.0cm Nylon Case, Belt-Loop, & Swivel Mount Separation Distance to Planar Phantom

P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)

with Speaker-Microphone (KRY1011617/183R1A)

Quarter-Wave Whip Antenna (KRE1011223/10)

NiMH Battery - Intrinsically Safe (BKB191210/6)

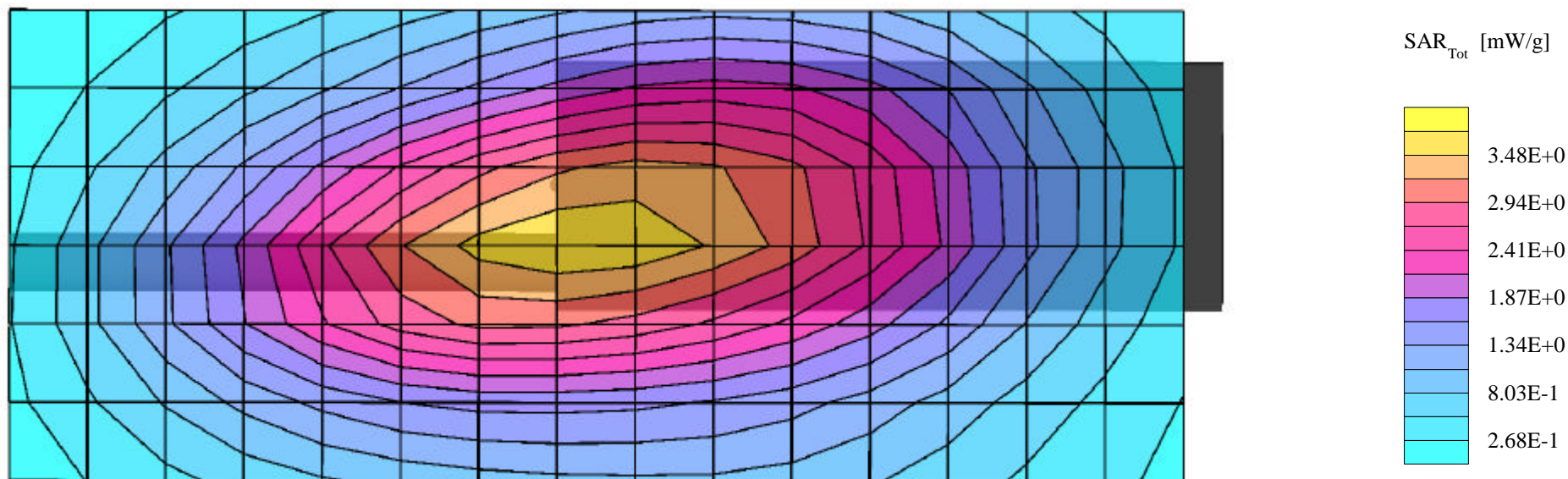
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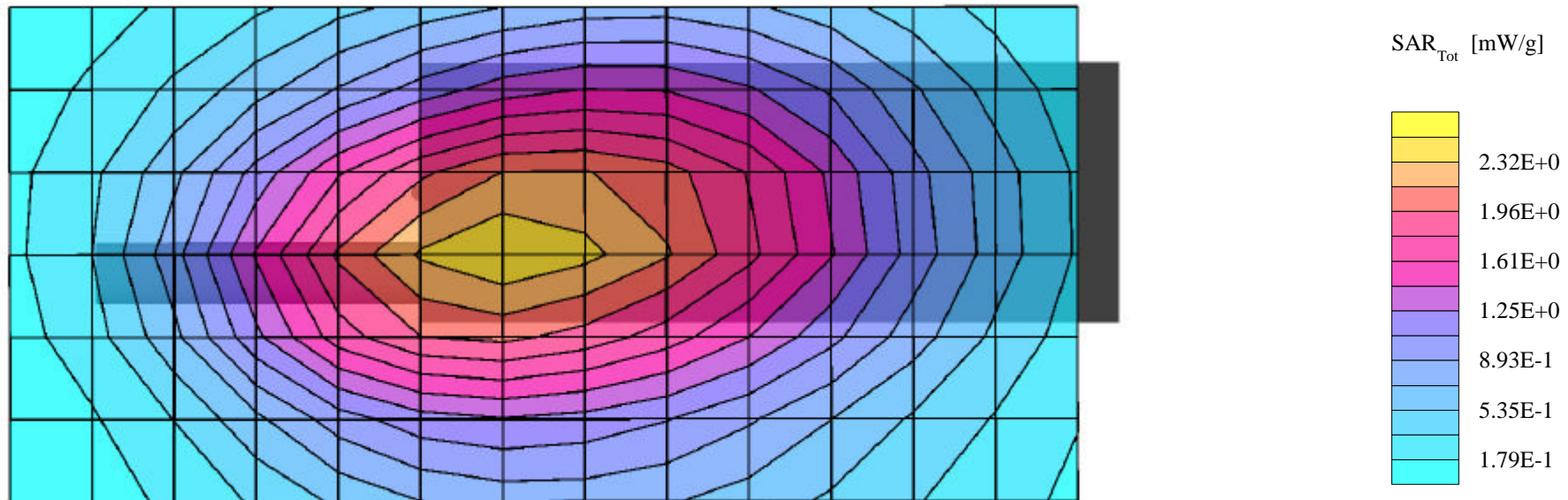
450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 2.32 mW/g, SAR (10g): 1.74 mW/g

Body-Worn SAR with Nylon Case, Belt-Loop, & Swivel Mount (KRY1011648/1)
4.0cm Nylon Case, Belt-Loop, & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/10)
NiCd Battery - Non-Intrinsically Safe (BKB191210/3)
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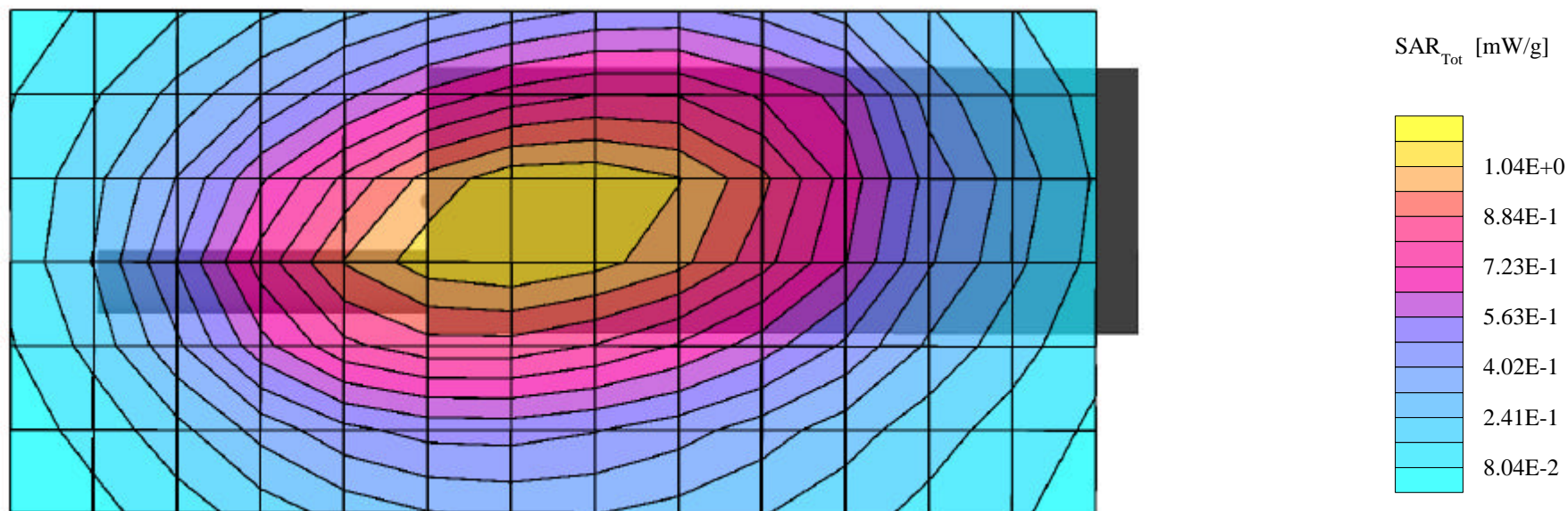
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Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Cube 5x5x7

SAR (1g): 0.997 mW/g, SAR (10g): 0.755 mW/g

Body-Worn SAR with Nylon Case, Belt-Loop, & Swivel Mount (KRY1011648/1)
4.0cm Nylon Case, Belt-Loop, & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/9)
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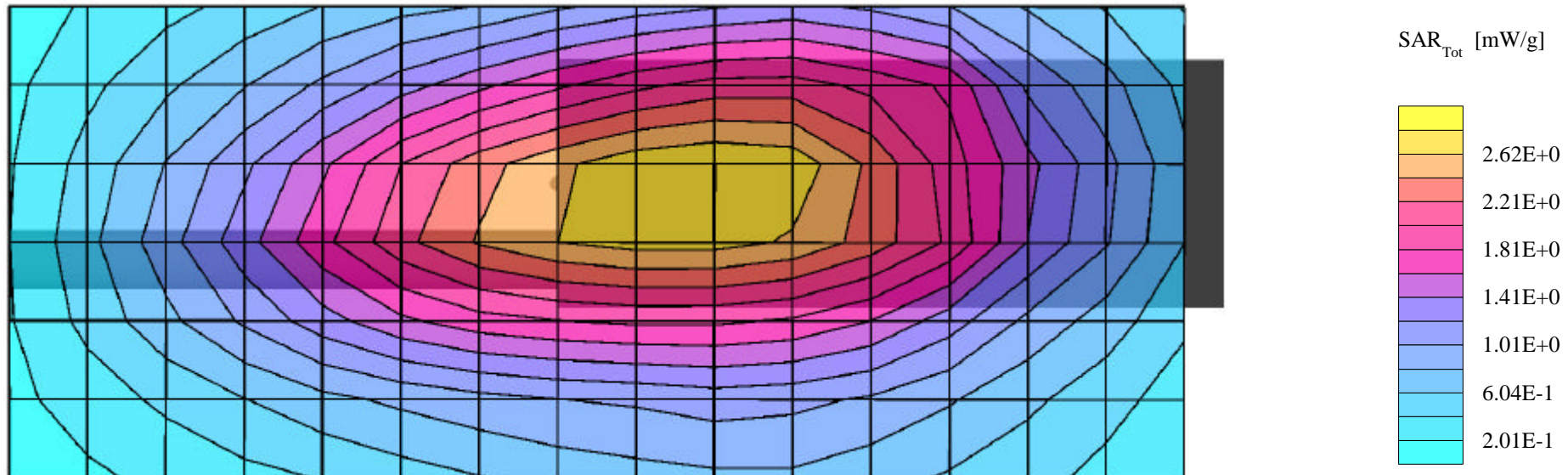
450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 2.61 mW/g, SAR (10g): 1.96 mW/g

Body-Worn SAR with Leather Case, Belt-Loop, & Swivel Mount (KRY1011639/1)
4.5cm Leather Case, Belt-Loop, & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Quarter-Wave Whip Antenna (KRE 101 1223/10)
NiMH Battery - Intrinsicly Safe (BKB191210/6)
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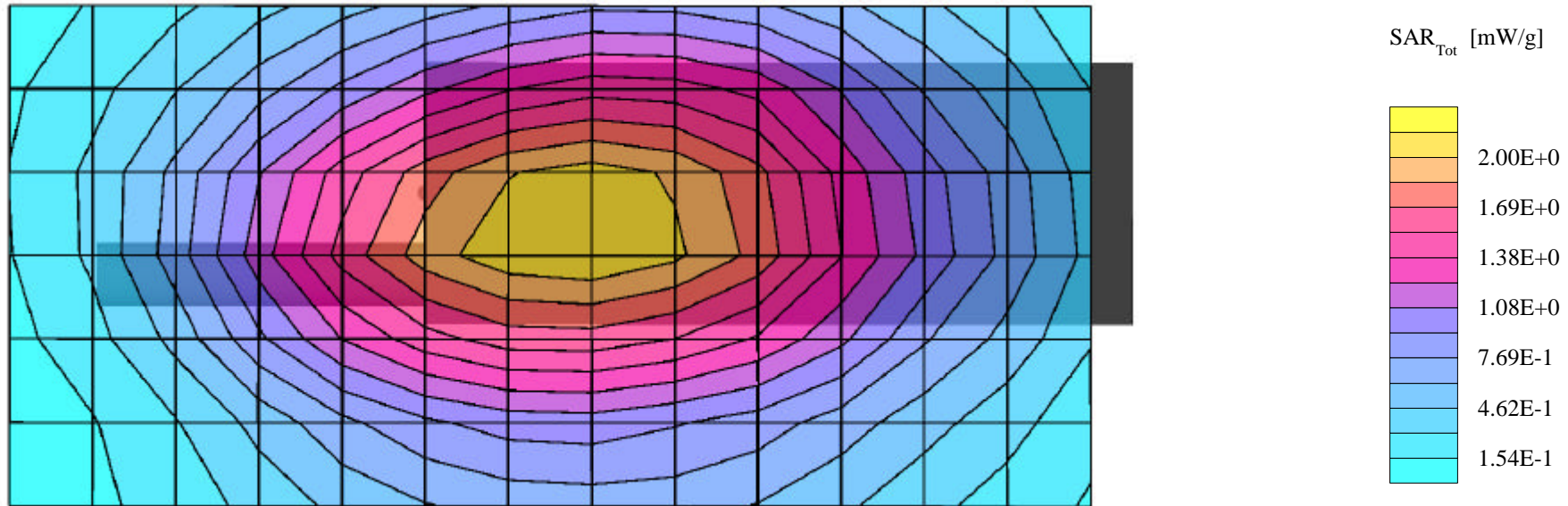
450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 2.01 mW/g, SAR (10g): 1.53 mW/g

Body-Worn SAR with Leather Case, Belt-Loop, & Swivel Mount (KRY1011639/1)
4.5cm Leather Case, Belt-Loop, & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/10)
NiCd Battery - Non-Intrinsically Safe (BKB191210/3)
Continuous Wave Mode
Mid Channel [403.000 MHz]
Conducted Power: 4.29 Watts
Ambient Temp. 21.9°C; Fluid Temp. 22.0°C
Date Tested: April 22, 2003



M/A-COM INC. FCC ID: OWDTR-0016-E

Small Planar Phantom; Planar Section; Position: (270°,180°)
Probe: ET3DV6 - SN1590; ConvF(7.90,7.90,7.90); Crest factor: 1.0

450 MHz Muscle: $\sigma = 0.91$ mho/m $\epsilon_r = 57.9$ $\rho = 1.00$ g/cm³

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

Cube 5x5x7

SAR (1g): 0.697 mW/g, SAR (10g): 0.533 mW/g

Body-Worn SAR with Leather Case, Belt-Loop, & Swivel Mount (KRY1011639/1)
4.5cm Leather Case, Belt-Loop, & Swivel Mount Separation Distance to Planar Phantom
P7100(IP) Portable UHF PTT Radio Transceiver (T1-LSAR01)
with Speaker-Microphone (KRY1011617/183R1A)
Helical Coil Antenna (KRE1011219/9)
NiCd Battery - Intrinsically Safe (BKB191210/5)
Continuous Wave Mode
Mid Channel [403.000 MHz]
Conducted Power: 4.30 Watts
Ambient Temp. 21.9°C; Fluid Temp. 22.0°C
Date Tested: April 22, 2003

