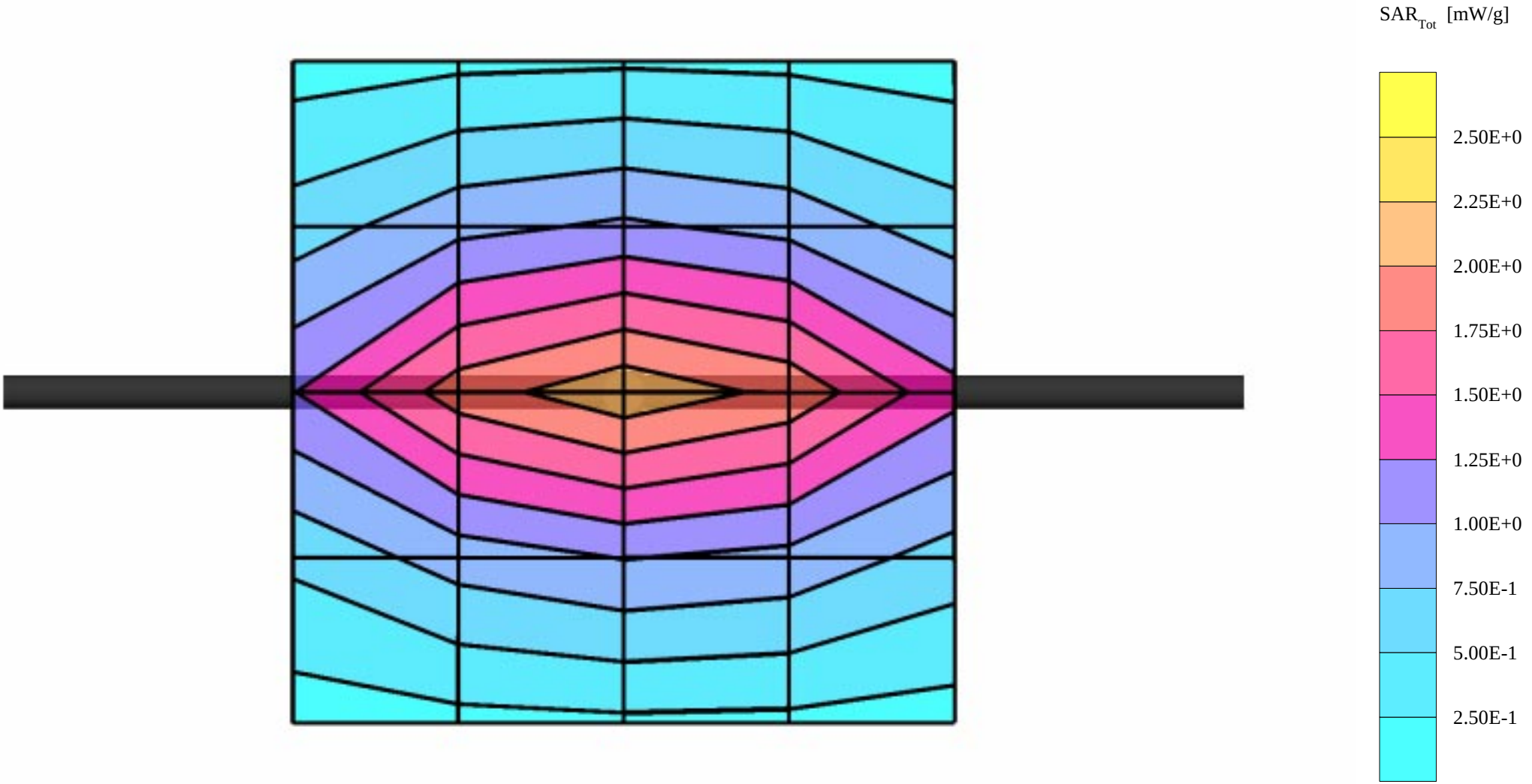
Validation Dipole D835V2 SN:406, d = 15mm

Frequency: 835 MHz; Antenna Input Power: 250 [mW]
Generic Twin Phantom; Flat Section; Grid Spacing: Dx = 20.0, Dy = 20.0, Dz = 10.0
Probe: ET3DV5 - SN1342/DAE3; ConvF(5.75,5.75,5.75); Brain 835 MHz: σ = 0.79 mho/m ε_r = 41.9 ρ = 1.00 g/cm^3
Cubes (2): Peak: 3.17 mW/g ± 0.03 dB, SAR (1g): 2.11 mW/g ± 0.03 dB, SAR (10g): 1.41 mW/g ± 0.04 dB, (Worst-case extrapolation)
Penetration depth: 13.4 (12.3, 14.9) [mm]
Powerdrift: -0.01 dB



835MHz Brain Dipole Validation

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1370 -- Probe Cal Date 2/00

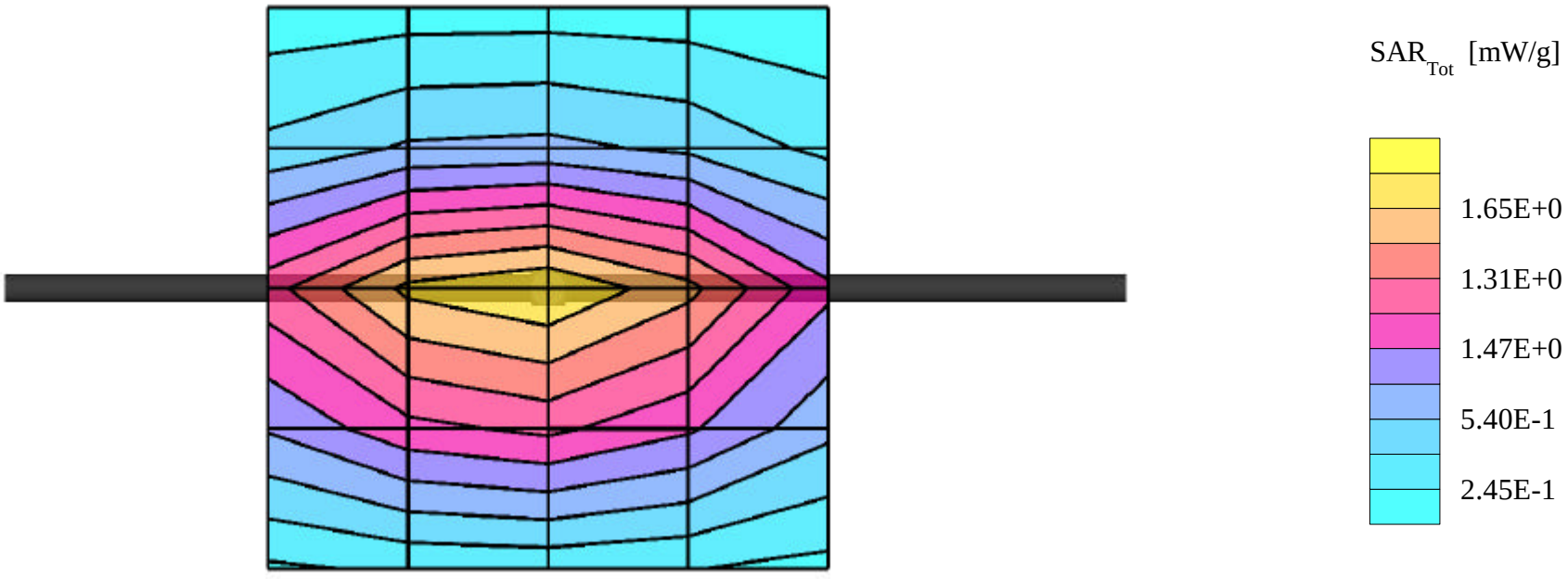
Medium Parameters 835MHz: σ = 0.86 mho/m ε_r = 42.5 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 2.12 mW/g, SAR (10g): 1.27 mW/g

835MHz Brain Dipole Validation (D835V2 S/N: 406)

Frequency: 835 MHz; Antenna Input Power: 250 [mW]

PCTEST Brain Tissue Simulating Liquid



835MHz Muscle Dipole Validation

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1370 -- Probe Cal Date 2/00

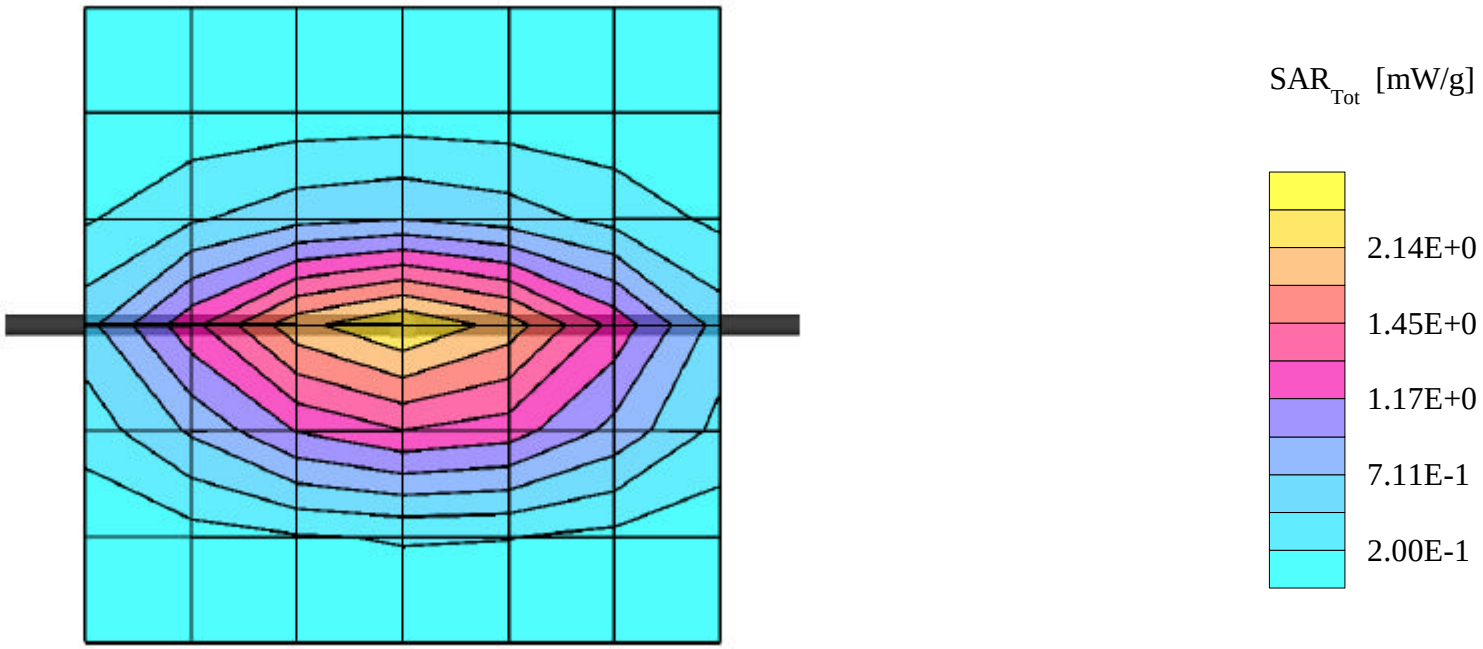
Medium Parameters 835 Muscle: σ = 0.95 mho/m ε_r = 56.2 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 2.14 mW/g, SAR (10g): 1.35 mW/g

835MHz Muscle Dipole Validation (D835V2 S/N: 406)

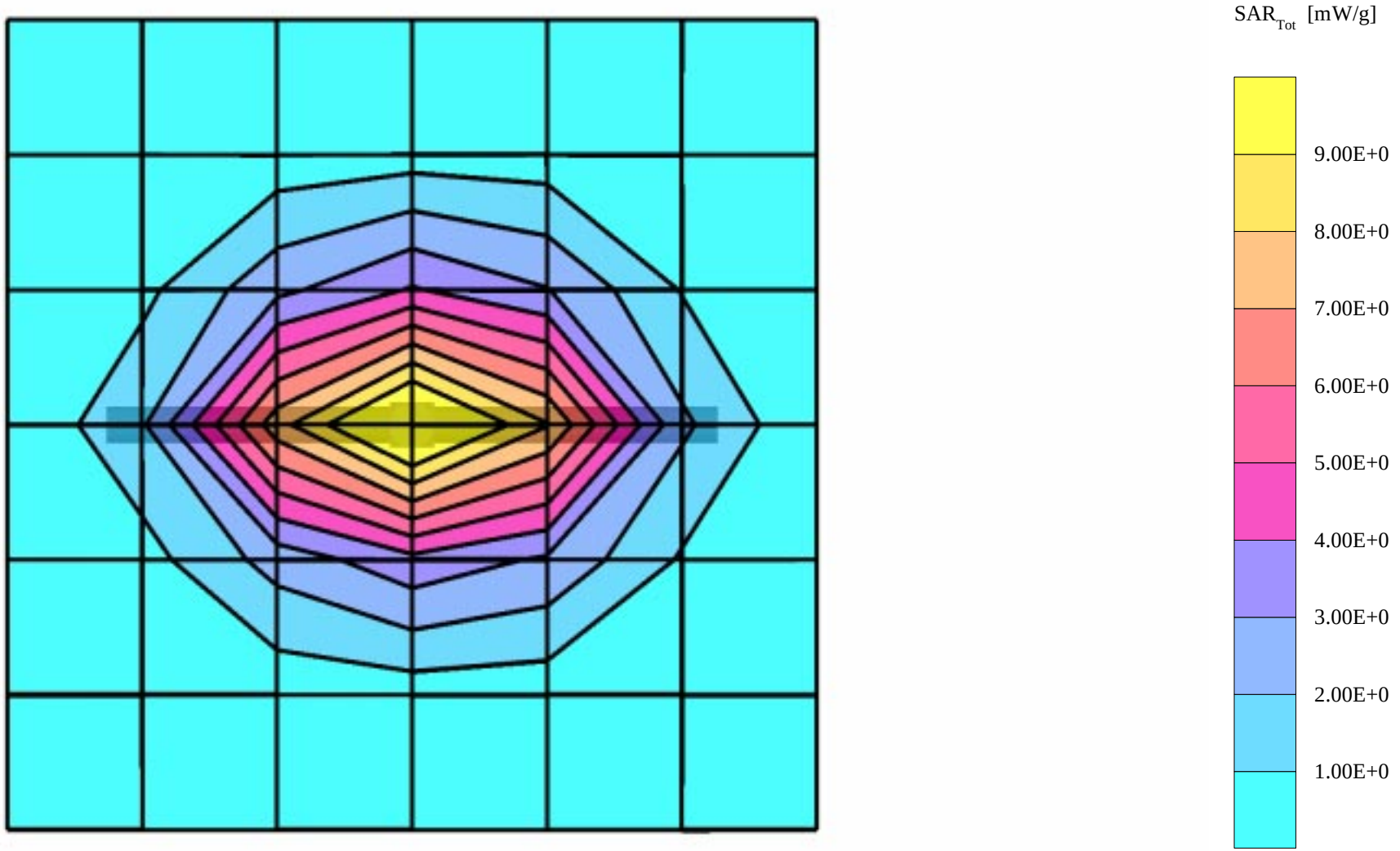
Frequency: 835 MHz; Antenna Input Power: 250 [mW]

PCTEST Muscle Tissue Simulating Liquid



Validation Dipole D1900V2 SN:502, d = 10mm

Frequency: 1900 MHz; Antenna Input Power: 250 [mW]
Generic Twin Phantom; Flat Section; Grid Spacing: Dx = 15.0, Dy = 15.0, Dz = 10.0
Probe: ET3DV5 - SN1302/DAE3; ConvF(4.55,4.55,4.55); Brain 1900 MHz σ = 1.82 mho/m ε_r = 40.4 ρ = 1.00 g/cm^3
Cubes (2): Peak: 21.2 mW/g ± 0.01 dB, SAR (1g): 10.7 mW/g ± 0.01 dB, SAR (10g): 5.26 mW/g ± 0.01 dB, (Worst-case extrapo ation) l
Penetration depth: 7.0 (6.8, 7.5) [mm]



1900MHz Brain Dipole Validation

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1370 -- Probe Cal Date 2/00

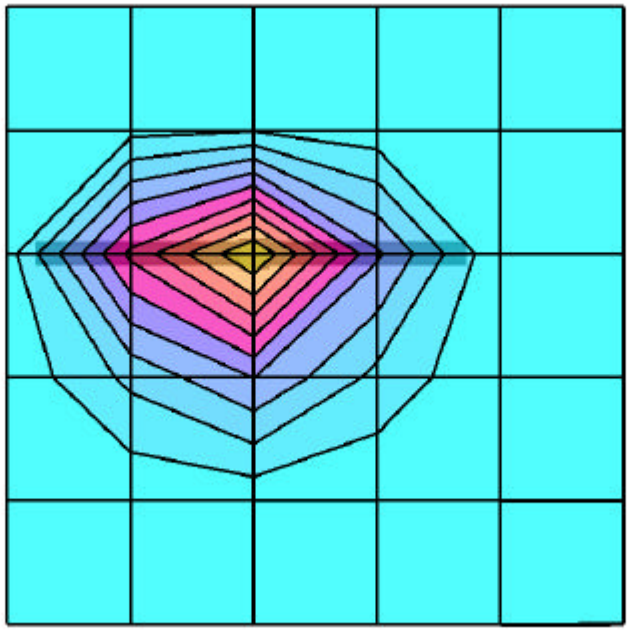
Medium Parameters Brain 1900 MHz: σ = 1.82 mho/m ε_r = 40.4 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 10.7 mW/g, SAR (10g): 5.44 mW/g

1900MHz Brain Dipole Validation (D1900V2 S/N: 502)

Frequency: 1900 MHz; Antenna Input Power: 250 [mW]

PCTEST Brain Tissue Simulating Liquid



1900MHz Muscle Dipole Validation

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1370 -- Probe Cal Date 02/00

Med. Parameters 1900 MHz Muscle: σ = 1.85 mho/m ε_r = 54.2 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 10.9 mW/g, SAR (10g): 5.45 mW/g

1900MHz Muscle Dipole Validation (D1900V2 S/N: 502)

Frequency: 1900 MHz; Antenna Input Power: 250 [mW]

PCTEST Muscle Tissue Simulating Liquid