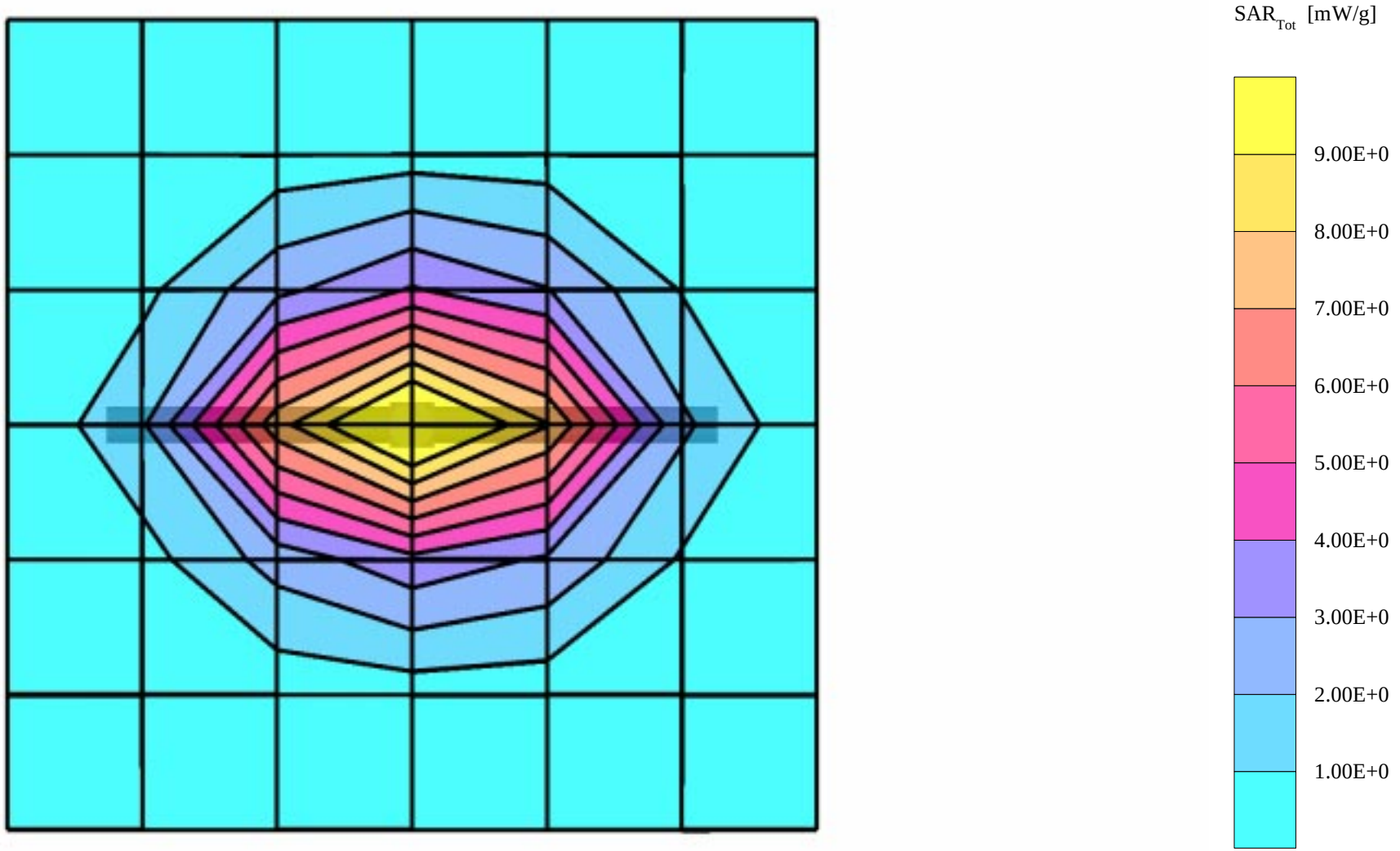
Validation Dipole D1900V2 SN:502, d = 10mm

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 - SN1368 -- Probe Cal Date 2/99

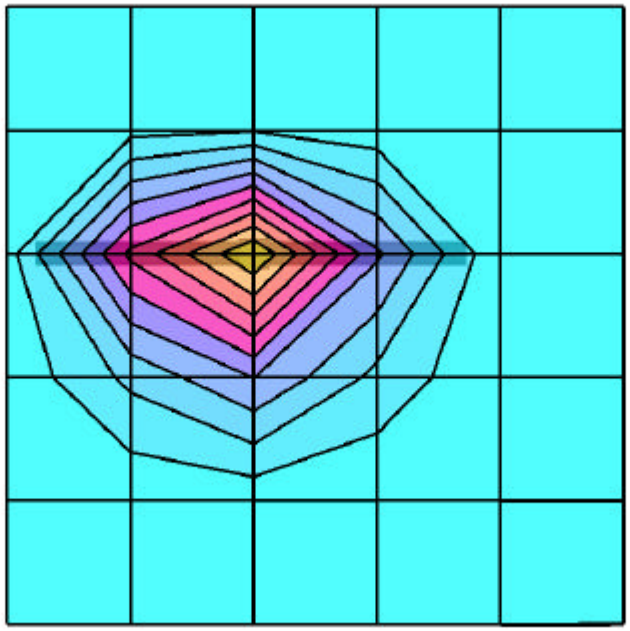
Medium Parameters Brain 1900 MHz: σ = 1.82 mho/m ε_r = 40.4 ρ = 1.00 g/cm^3; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 10.7 mW/g, SAR (10g): 5.39 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 - SN1368 -- Probe Cal Date 2/99

Medium 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): 10.7 mW/g, SAR (10g): 5.36 mW/g

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

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

PCTEST Muscle Tissue Simulating Liquid