

## Validation Dipole D835V2 SN:406, $d = 15\text{mm}$

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

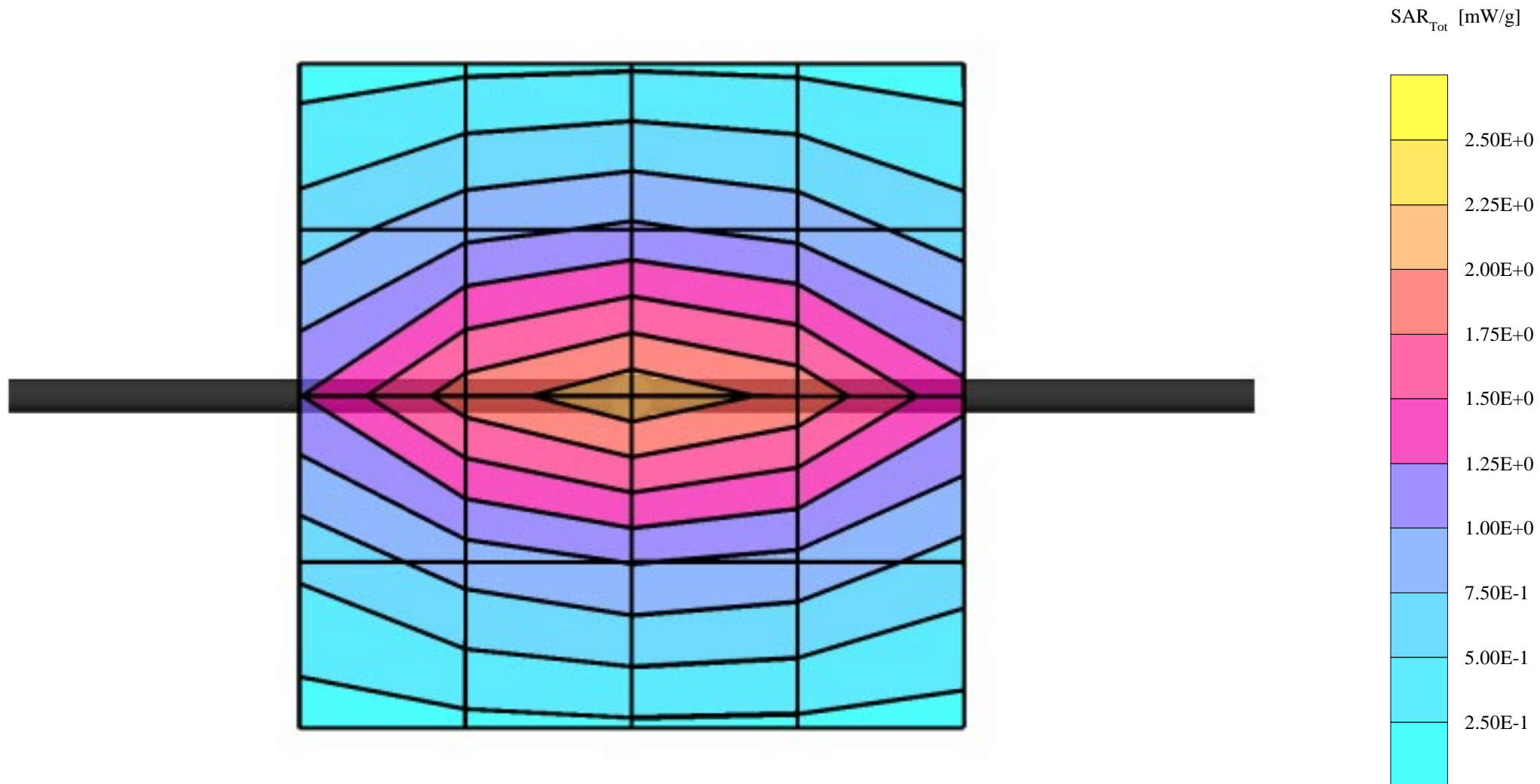
Generic Twin Phantom; Flat Section; Grid Spacing:  $D_x = 20.0$ ,  $D_y = 20.0$ ,  $D_z = 10.0$

Probe: ET3DV5 - SN1342/DAE3; ConvF(5.75,5.75,5.75); Brain 835 MHz:  $\sigma = 0.79$  mho/m  $\epsilon_r = 41.9$   $\rho = 1.00$  g/cm<sup>3</sup>

Cubes (2): Peak:  $3.17$  mW/g  $\pm 0.03$  dB, SAR (1g):  $2.11$  mW/g  $\pm 0.03$  dB, SAR (10g):  $1.41$  mW/g  $\pm 0.04$  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

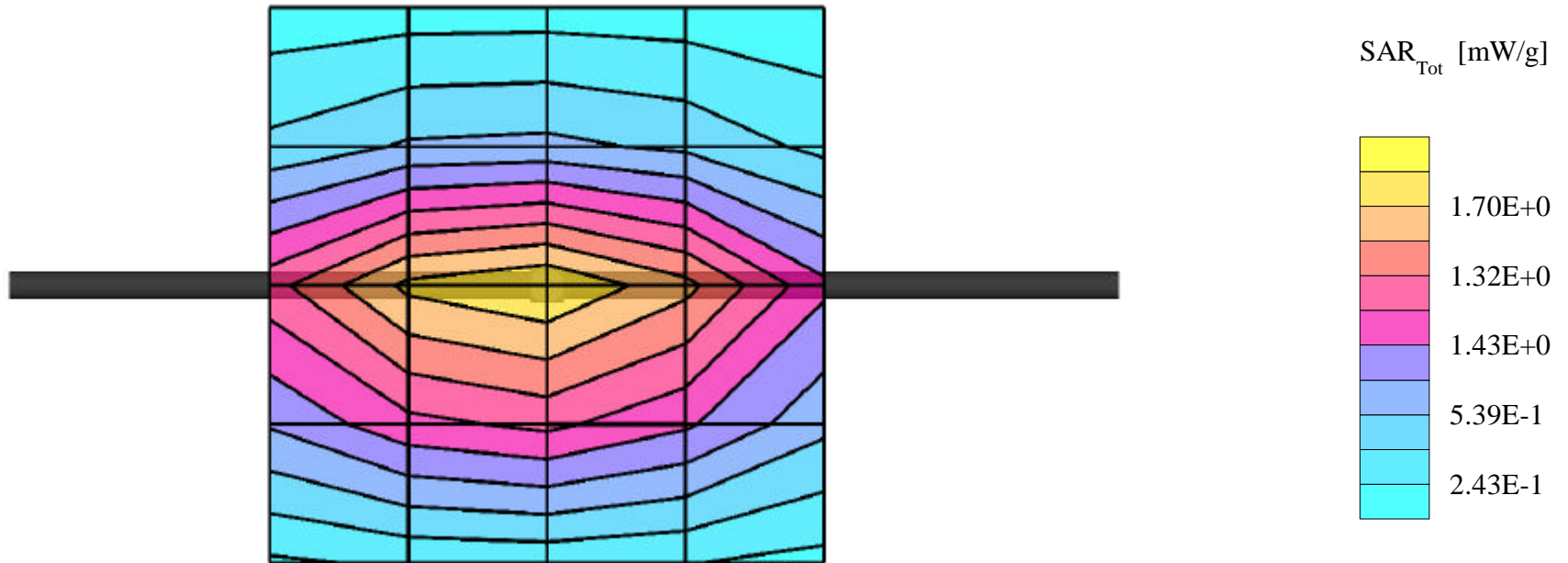
Medium Parameters 835MHz:  $\sigma = 0.86$  mho/m  $\epsilon_r = 42.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 2.13 mW/g, SAR (10g): 1.26 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:  $\sigma = 0.95$  mho/m  $\epsilon_r = 56.2$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 2.17 mW/g, SAR (10g): 1.32 mW/g

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

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

PCTEST Muscle Tissue Simulating Liquid

