

Validation Dipole D1900V2 SN:502, $d = 10\text{mm}$

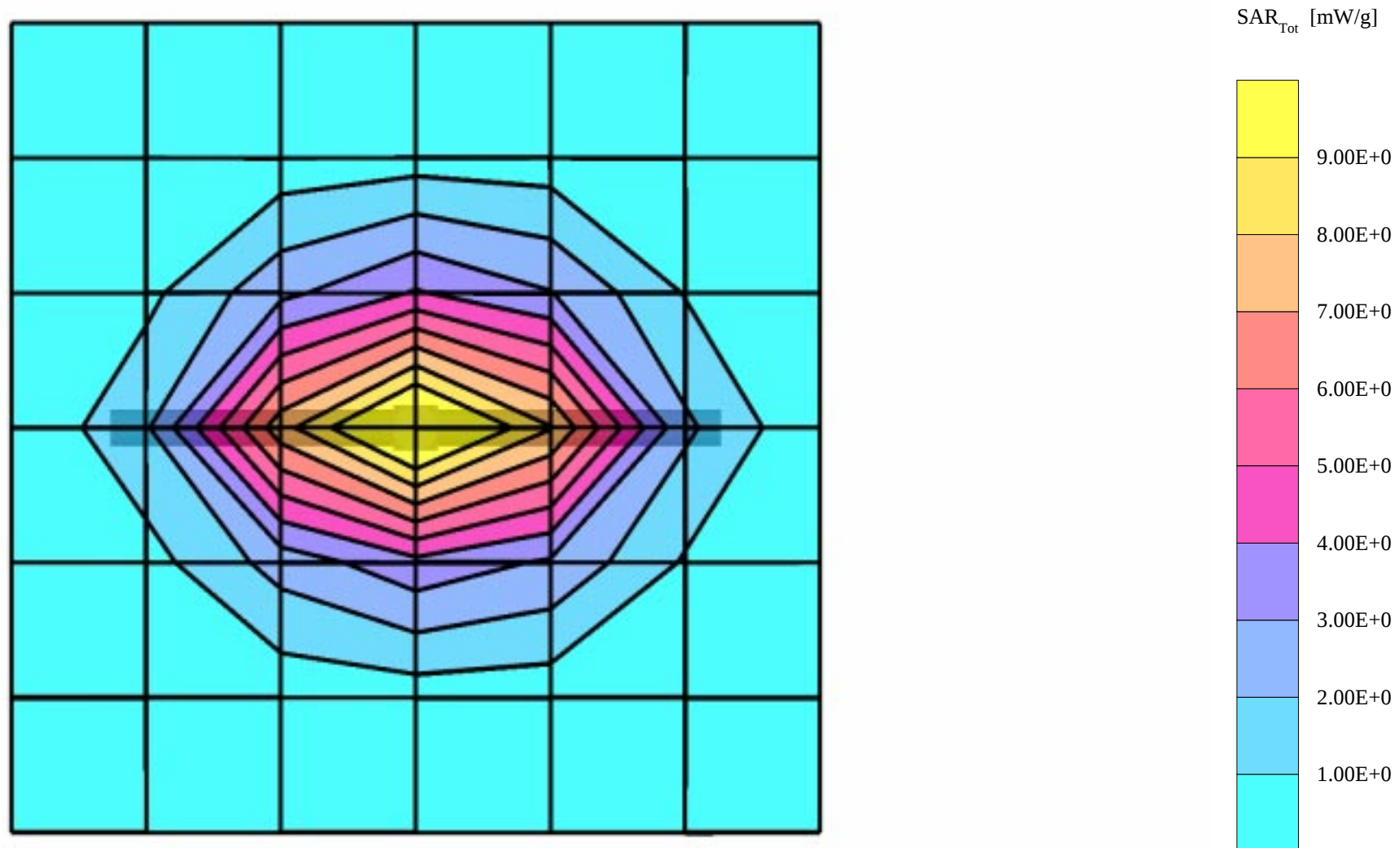
Frequency: 1900 MHz; Antenna Input Power: 250 [mW]

Generic Twin Phantom; Flat Section; Grid Spacing: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$

Probe: ET3DV5 - SN1302/DAE3; ConvF(4.55,4.55,4.55); Brain 1900 MHz: $\sigma = 1.82 \text{ mho/m}$ $\epsilon_r = 40.4$ $\rho = 1.00 \text{ g/cm}^3$

Cubes (2): Peak: $21.2 \text{ mW/g} \pm 0.01 \text{ dB}$, SAR (1g): $10.7 \text{ mW/g} \pm 0.01 \text{ dB}$, SAR (10g): $5.26 \text{ mW/g} \pm 0.01 \text{ dB}$, (Worst-case extrapolation)

Penetration depth: 7.0 (6.8, 7.5) [mm]



1900MHz Muscle Dipole Validation

Generic Twin Phantom; Flat Section; Probe: ET3DV5 - SN1368 -- Probe Cal Date 2/99

Medium Parameters 1900 MHz Muscle: $\sigma = 1.85$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³; Antenna Position -- Out; Crest Factor 1.0

SAR (1g): 10.9 mW/g, SAR (10g): 5.39 mW/g

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

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PCTEST Muscle Tissue Simulating Liquid

