

APPENDIX B - DIPOLE VALIDATION

Validation Dipole D900V2 SN:054, d = 15 mm

Frequency: 900 MHz; Antenna Input Power: 250 [mW]

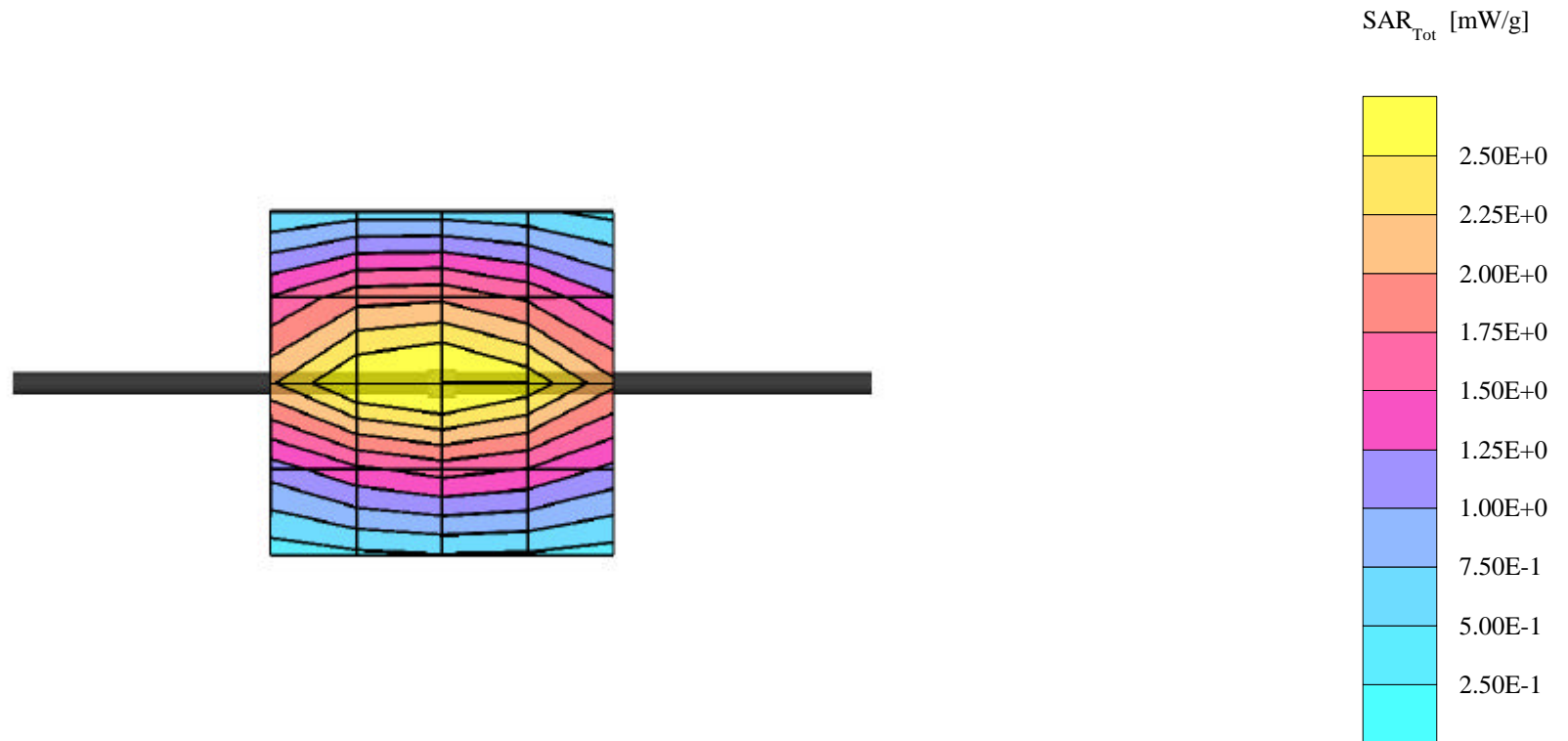
Generic Twin Phantom; Flat Section; Grid Spacing: Dx = 15.0, Dy = 15.0, Dz = 10.0

Probe: ET3DV6 - SN1507; ConvF(6.27,6.27,6.27); Crest factor: 1.0; IEEE1528 900 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 42.4$ $\rho = 1.00$ g/cm³

Cubes (2): Peak: 4.47 mW/g ± 0.05 dB, SAR (1g): 2.78 mW/g ± 0.04 dB, SAR (10g): 1.76 mW/g ± 0.02 dB, (Worst-case extrapolation)

Penetration depth: 11.5 (10.3, 13.2) [mm]

Powerdrift: -0.00 dB



Dipole 900 MHz

Frequency: 900 MHz; Conducted Input Power: 250 [mW]

Small Planar Phantom; Planar Section

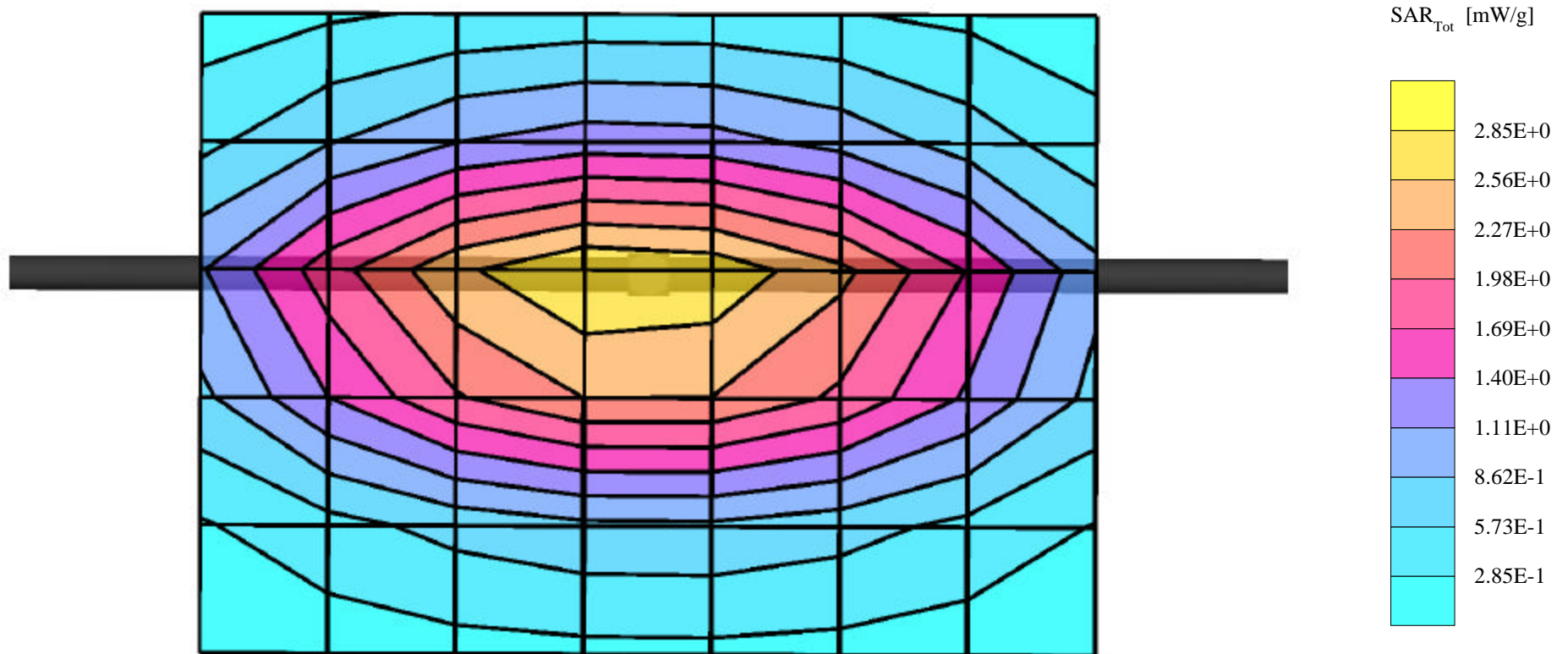
Probe: ET3DV6 - SN1590; ConvF(6.83,6.83,6.83); Crest factor: 1.0; 900 MHz Brain: $\sigma = 0.97$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 5x5x7: Peak: 4.50 mW/g, SAR (1g): 2.75 mW/g, SAR (10g): 1.74 mW/g, (Worst-case extrapolation)

Penetration depth: 11.4 (10.3, 12.8) [mm]

Powerdrift: -0.02 dB

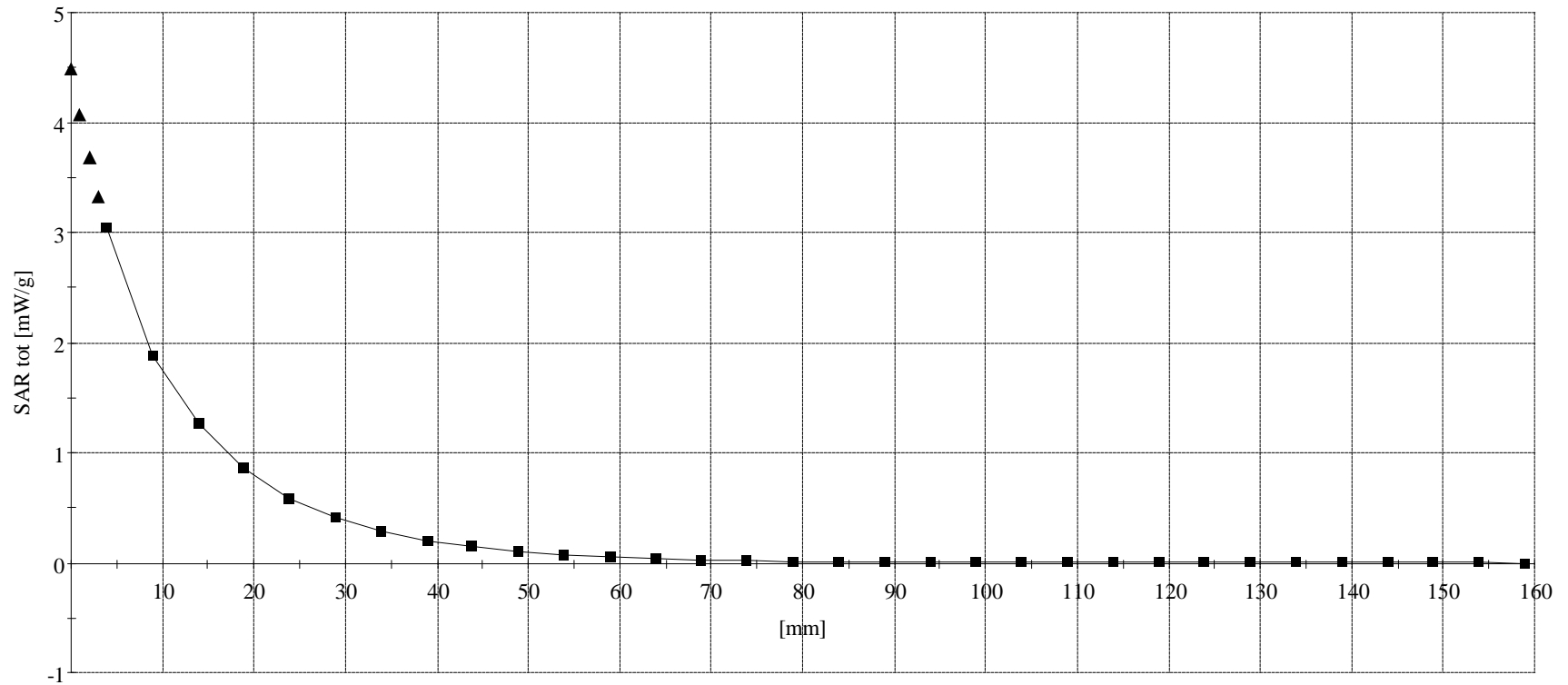
Calibration Date: Nov. 27, 2001



Dipole 900 MHz

Small Planar Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(6.83,6.83,6.83); Crest factor: 1.0
900 MHz Brain: $\sigma = 0.97$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Conducted Power: 250 mW
Date Teseted: November 27, 2001



Dipole 900 MHz

Frequency: 900 MHz; Conducted Input Power: 250 [mW]

Small Planar Phantom; Planar Section

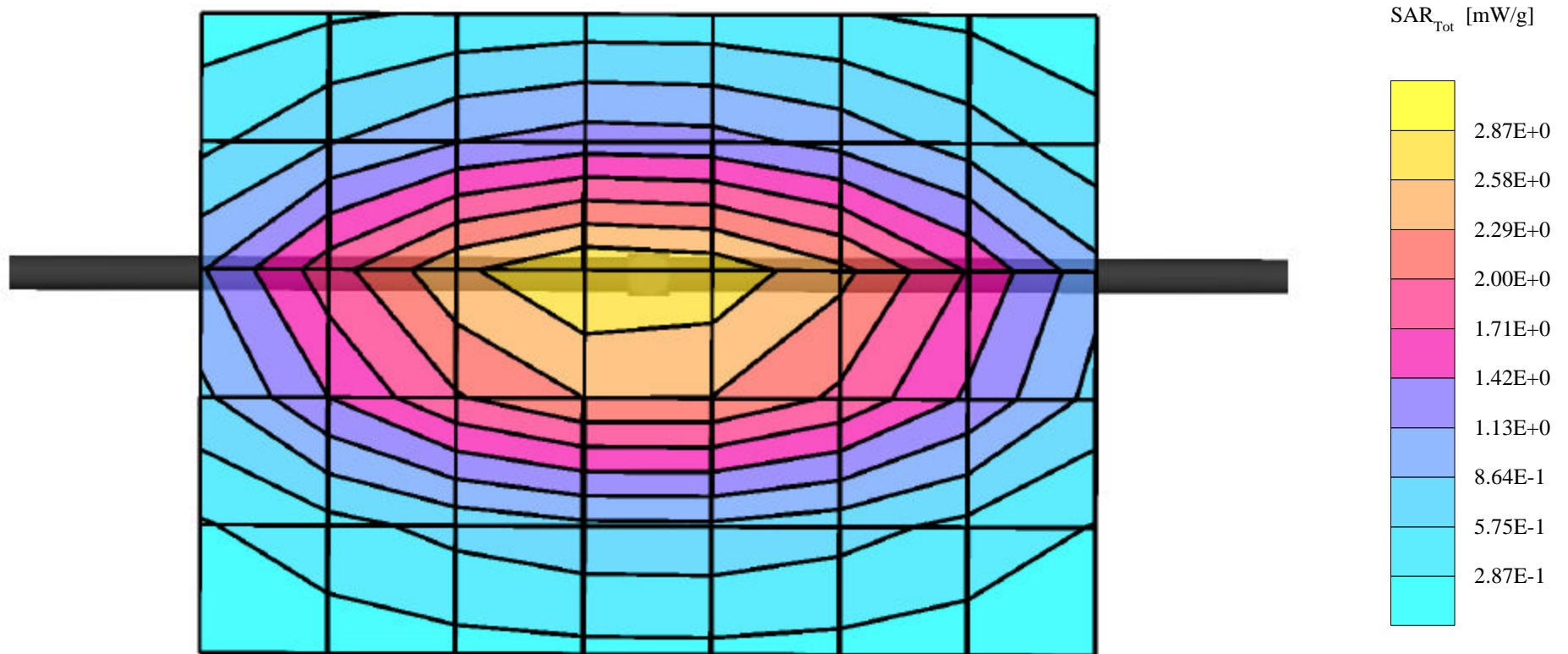
Probe: ET3DV6 - SN1590; ConvF(6.83,6.83,6.83); Crest factor: 1.0; 900 MHz Brain: $\sigma = 0.97$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³

Cube 5x5x7: Peak: 4.51 mW/g, SAR (1g): 2.77 mW/g, SAR (10g): 1.75 mW/g, (Worst-case extrapolation)

Penetration depth: 11.4 (10.3, 12.8) [mm]

Powerdrift: -0.02 dB

Calibration Date: Dec. 7, 2001



Dipole 900 MHz

Small Planar Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(6.83,6.83,6.83); Crest factor: 1.0
900 MHz Brain: $\sigma = 0.97$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Conducted Power: 250 mW
Date Teseted: December 7, 2001

