

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 502

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.41$ mho/m, $\epsilon_r = 39.34$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 10 mm

Test Date: 09-01-2004; Ambient Temp: 23.2°C; Tissue Temp: 20.9°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE3 SN330; Calibrated: 12/1/2002

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

1900 MHz Dipole Validation

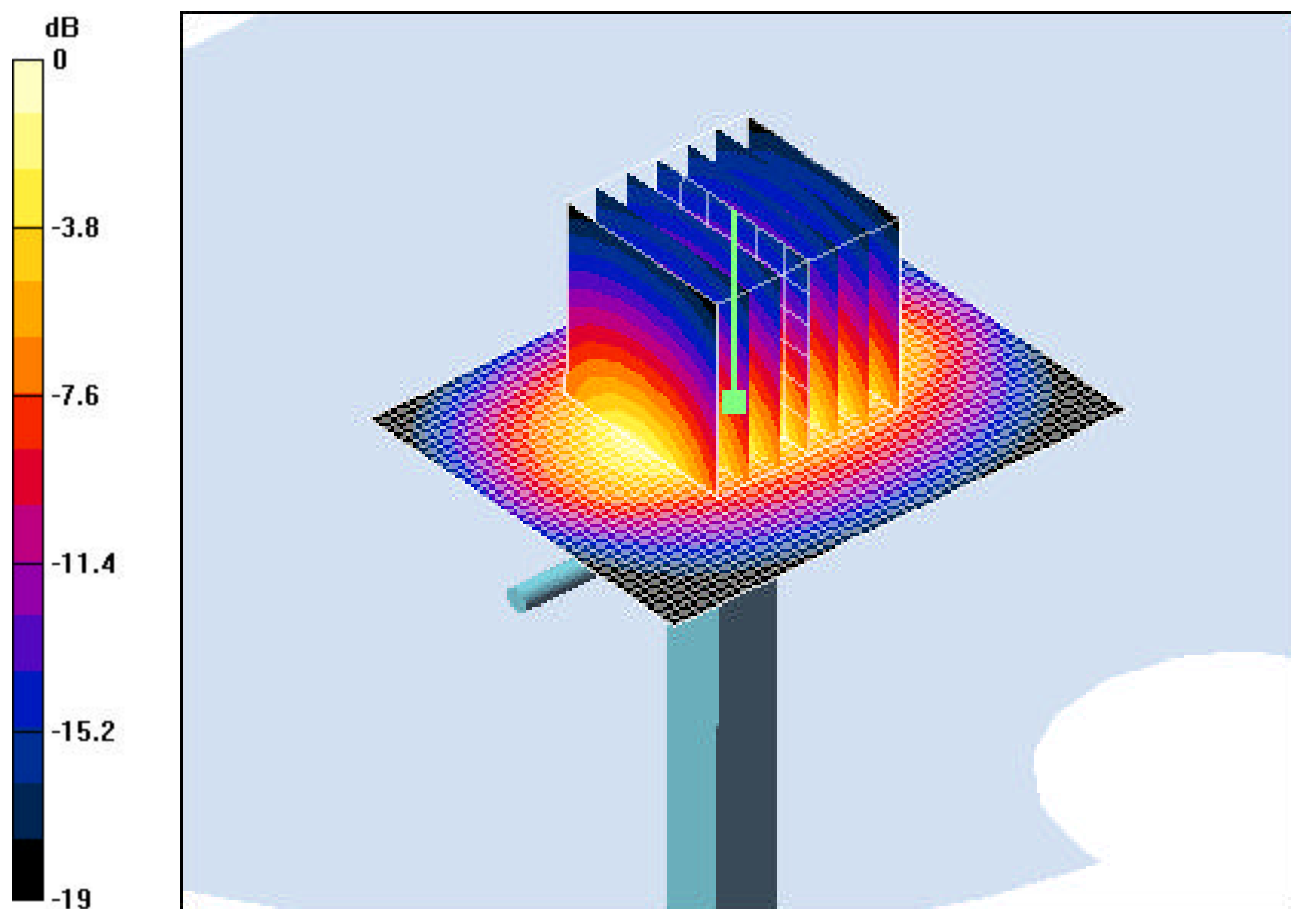
Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 20.0 dBm (100 mW)

SAR(1 g) = 3.78 mW/g; SAR(10 g) = 1.69 mW/g

Target SAR(1g) = 3.97 mW/g; Deviation = -4.78%



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Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.41$ mho/m, $\epsilon_r = 39.34$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 10 mm

Test Date: 09-02-2004; Ambient Temp: 23.3°C; Tissue Temp: 20.9°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE3 SN330; Calibrated: 12/1/2002

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

1900 MHz Dipole Validation

Area Scan (41x51x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Input Power = 20.0 dBm (100 mW)

SAR(1 g) = 3.75 mW/g; SAR(10 g) = 1.63 mW/g

Target SAR(1g) = 3.97 mW/g; Deviation = -5.54%

