

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: Dipole 5200 MHz; Type: D5GHzV2; Serial: 1007**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5300 Brain ( $\sigma = 4.68$  mho/m,  $\epsilon_r = 36.91$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-19-2005; Ambient Temp: 23.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN3550; ConvF(4.17, 4.17, 4.17); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

## 5200MHz Dipole Validation

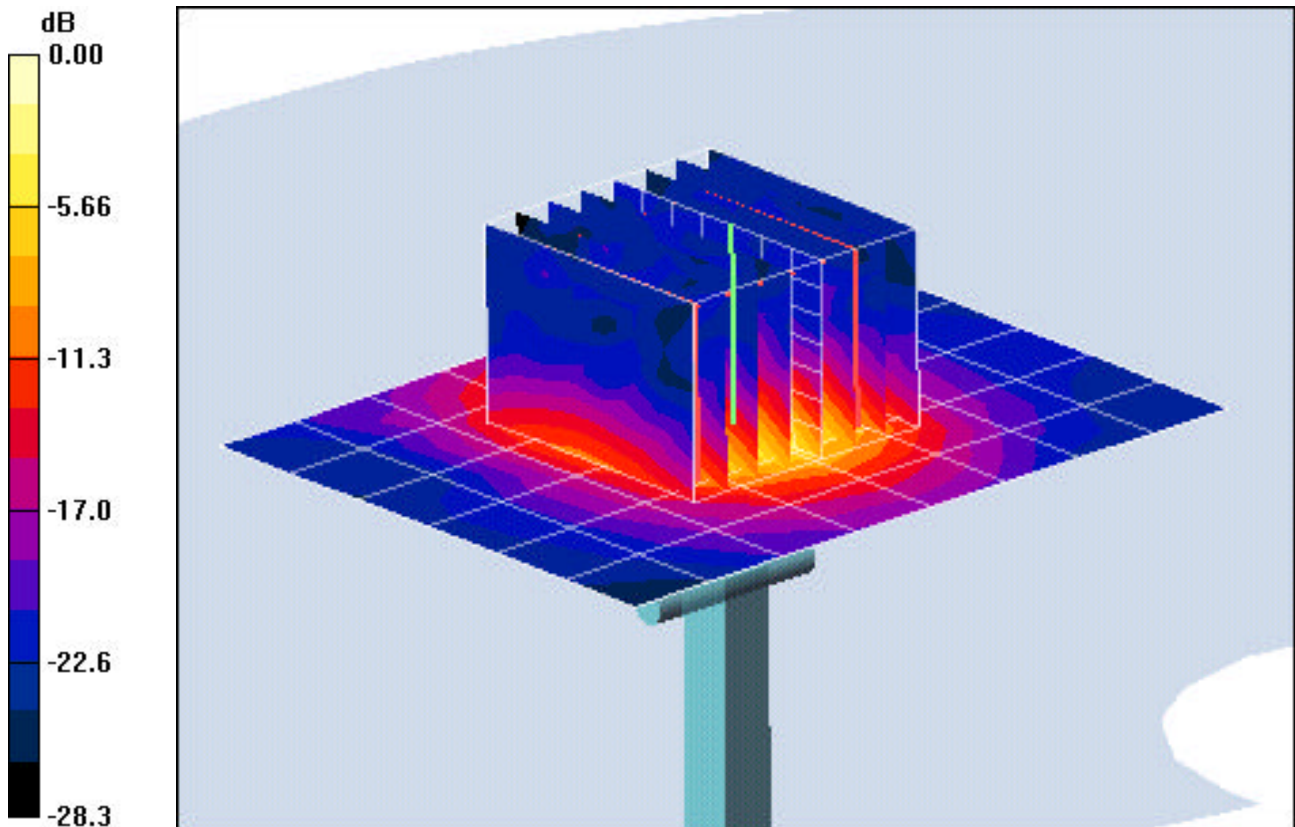
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Input Power = 14.0 dBm (25 mW)

**SAR(1 g) = 2.01 mW/g; SAR(10 g) = 0.574 mW/g**

Target SAR(1g) = 2.17 mW/g; Deviation = -7.37 %



0 dB = 2.89mW/g

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**DUT: Dipole 5200 MHz; Type: D5GHzV2; Serial: 1007**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5300 Brain ( $\sigma = 4.68$  mho/m,  $\epsilon_r = 36.91$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-22-2005; Ambient Temp: 23.6°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3550; ConvF(4.17, 4.17, 4.17); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

## 5200MHz Dipole Validation

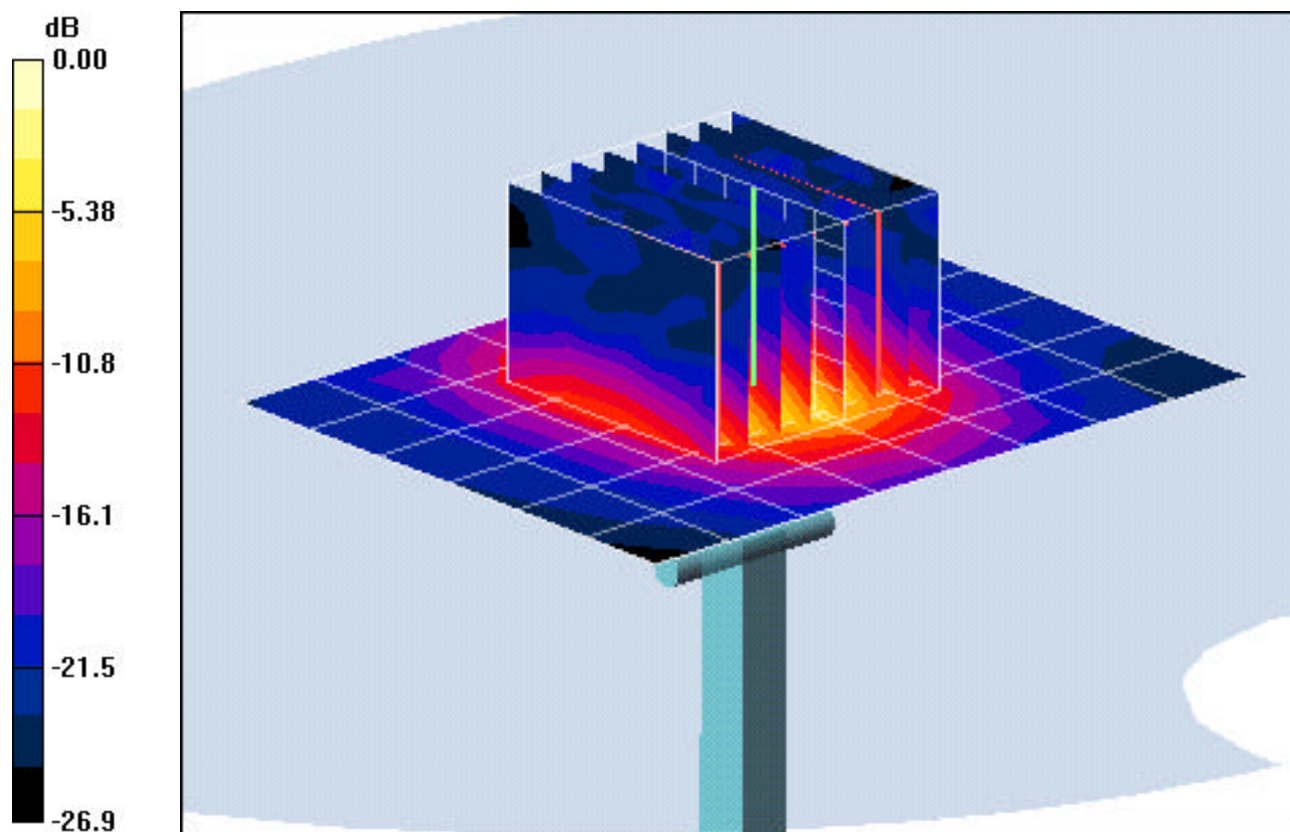
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Input Power = 14.0 dBm (25 mW)

**SAR(1 g) = 1.99 mW/g; SAR(10 g) = 0.567 mW/g**

Target SAR(1g) = 2.17 mW/g; Deviation = -8.29 %



0 dB = 2.91mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: Dipole 5200 MHz; Type: D5GHzV2; Serial: 1007**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5300 Brain ( $\sigma = 4.54$  mho/m,  $\epsilon_r = 36.85$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04-26-2005; Ambient Temp: 23.1°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3550; ConvF(4.17, 4.17, 4.17); Calibrated: 10/26/2004

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn637; Calibrated: 9/22/2004

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

## 5200MHz Dipole Validation

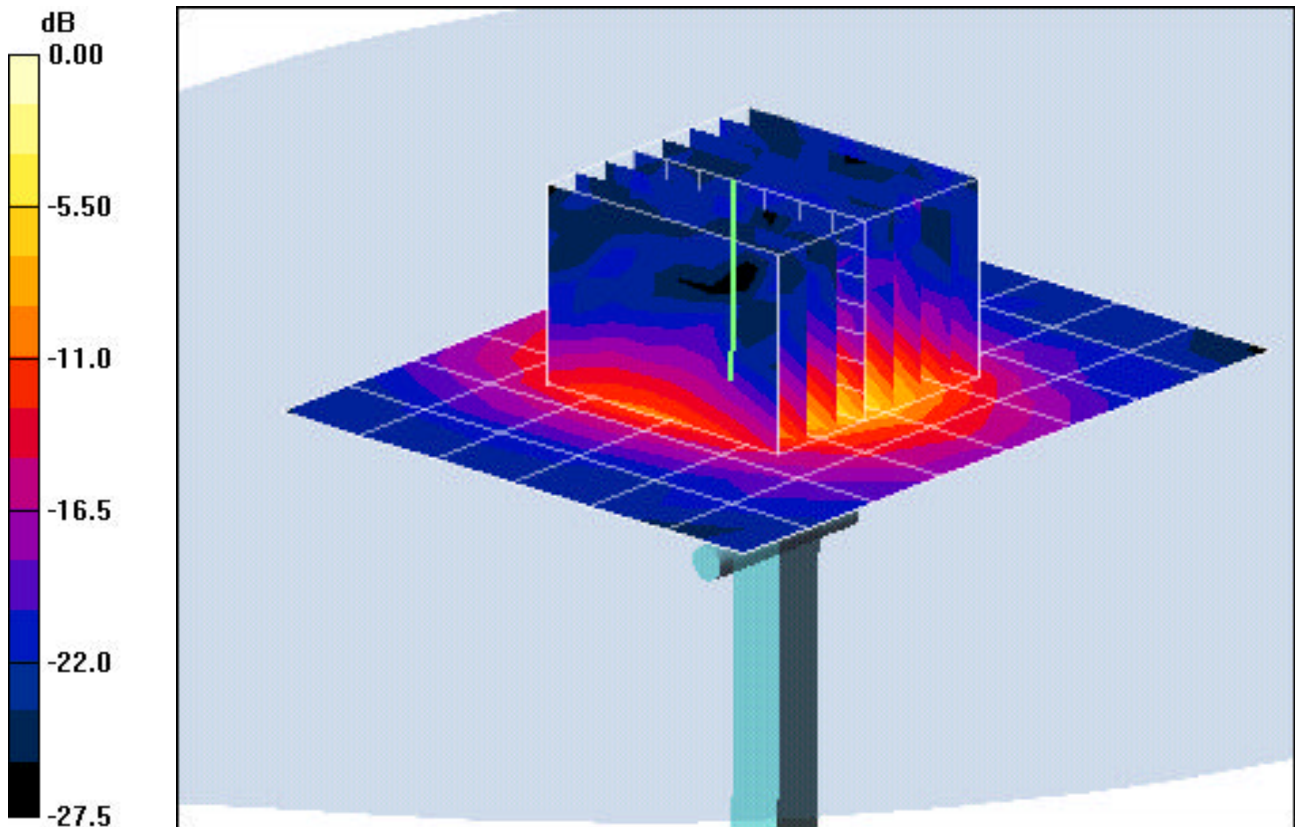
**Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

**Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Input Power = 14.0 dBm (25 mW)

**SAR(1 g) = 2.05 mW/g; SAR(10 g) = 0.585 mW/g**

Target SAR(1g) = 2.17 mW/g; Deviation = -5.53 %



0 dB = 2.91mW/g