

Test Laboratory: Compliance Certification Services

## SystemPerformanceCheck-D5GHz-uniform

DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003

Communication System: CW; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.7$  mho/m;  $\epsilon_r = 46.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24.0deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552; ConvF(3.69, 3.69, 3.69); Calibrated: 5/30/2006
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 11/16/2006
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**d=10mm, Pin=250mW, f=5500 MHz/Area Scan (10x10x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 22.6 mW/g

**d=10mm, Pin=250mW, f=5500 MHz/Zoom Scan (4.3x4.3x3mm), dist=2mm (8x8x8)/Cube**

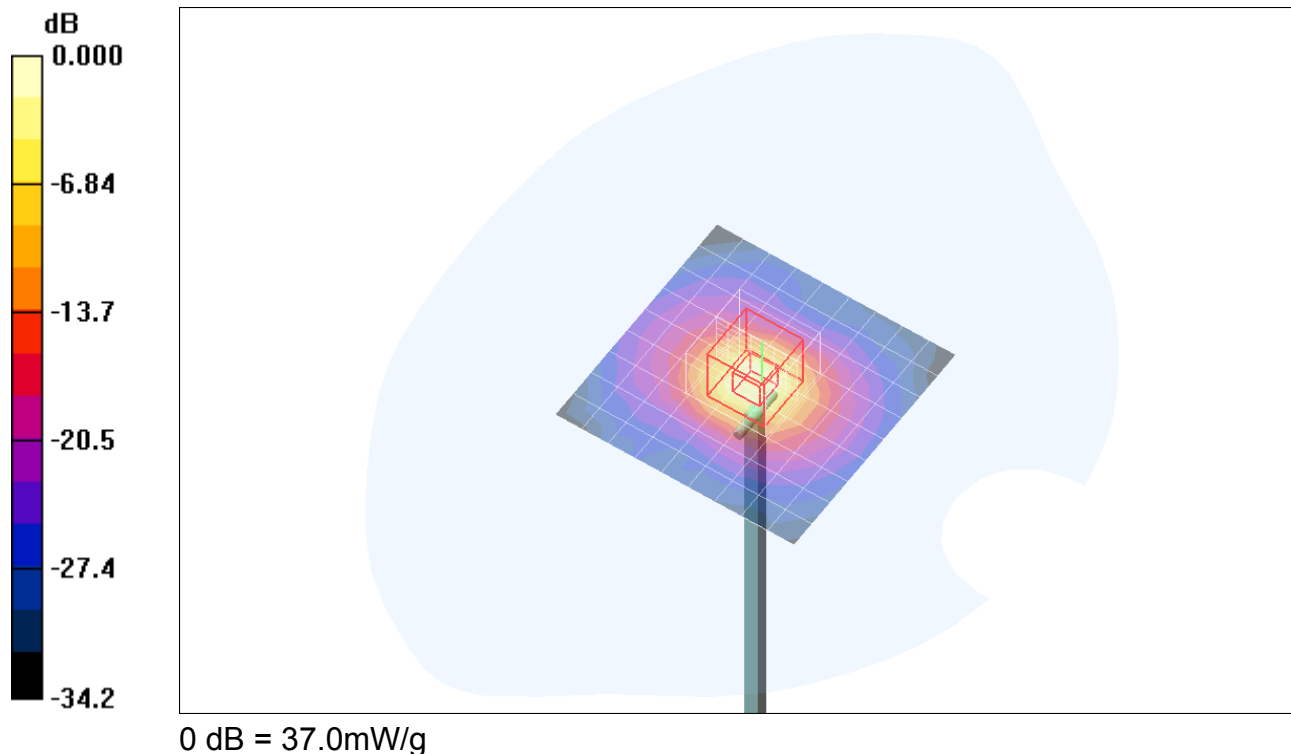
**0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 69.4 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 80.8 W/kg

**SAR(1 g) = 18.4 mW/g; SAR(10 g) = 5.13 mW/g**

Maximum value of SAR (measured) = 37.0 mW/g



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**d=10mm, Pin=250mW, f=5500 MHz/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm  
Maximum value of SAR (measured) = 7.02 mW/g

