

Test Laboratory: Compliance Certification Services

File Name: [D1900V2 SN5d043\\_070704.da4](#)

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d043**

**Program Name: System Performance Check at 1900 MHz**

**Ambient Temp.: 24.0 deg. C; Liquid Temp.: 23.0 deg. C**

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

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 40$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(5.1, 5.1, 5.1); Calibrated: 7/29/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 12/23/2003
- Phantom: SAM 1; Type: SAM 1; Serial: 1185
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**d=10mm; Pin=250mW/Area Scan (7x7x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Reference Value = 89.7 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 10.6 mW/g

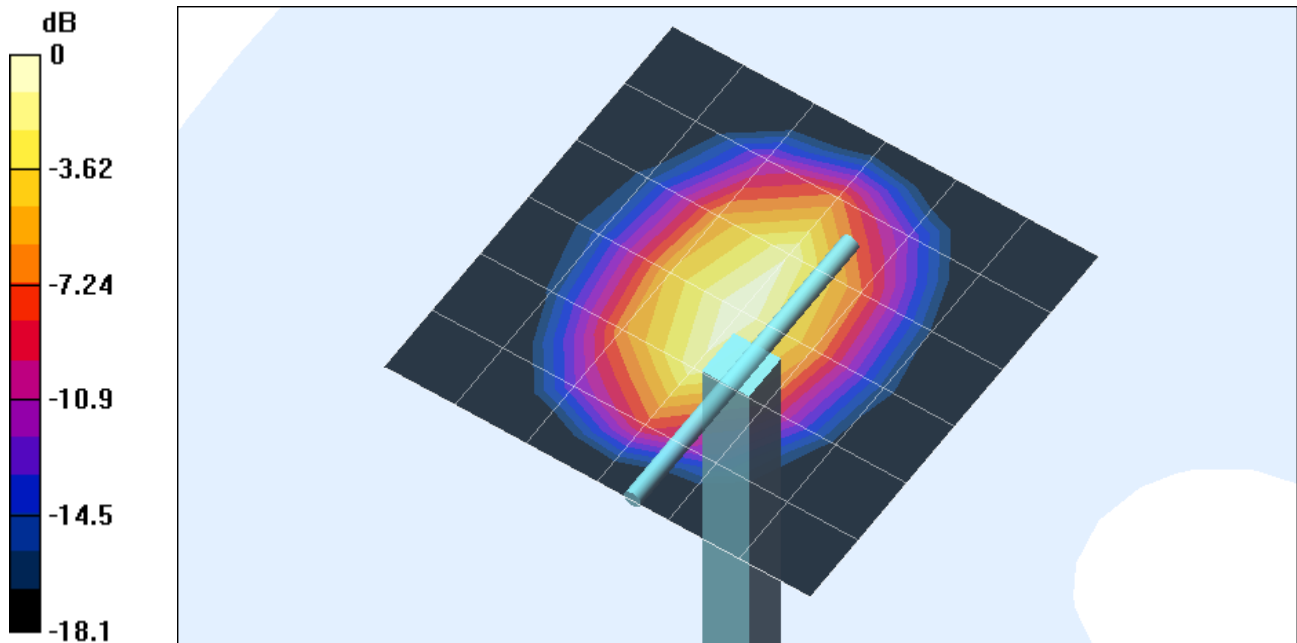
**d=10mm; Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 89.7 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 10.5 mW/g

Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 9.47 mW/g; SAR(10 g) = 4.99 mW/g**



0 dB = 10.5mW/g

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Phantom section: Flat Section

**d=10mm; Pin=250mW/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 89.7 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 10.8 mW/g

