

Test Laboratory: Compliance Certification Services

File Name: [D2450V2SN748\\_EX3DV3SN3531\\_080304.da4](#)

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:748**

**Program Name: System Performance Check at 2450 MHz**

**Ambient Temp.: 25 deg. C; Liquid Temp.: 23 deg. C**

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004

- Sensor-Surface: 1.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 2; Type: SAM 2; Serial: 1050

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 108.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 21.1 mW/g

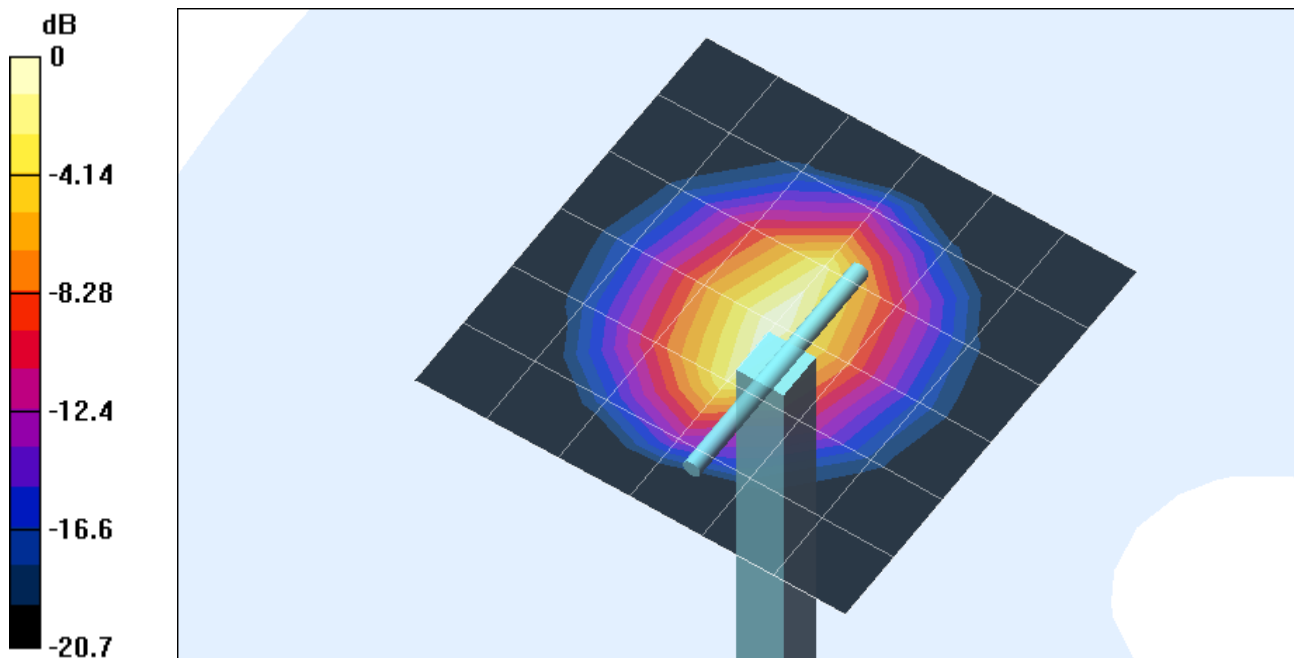
**d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 108.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 20.7 mW/g

Peak SAR (extrapolated) = 25.5 W/kg

**SAR(1 g) = 12.9 mW/g; SAR(10 g) = 6.15 mW/g**



0 dB = 20.7mW/g

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**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:748**

**Program Name: System Performance Check at 2450 MHz**

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

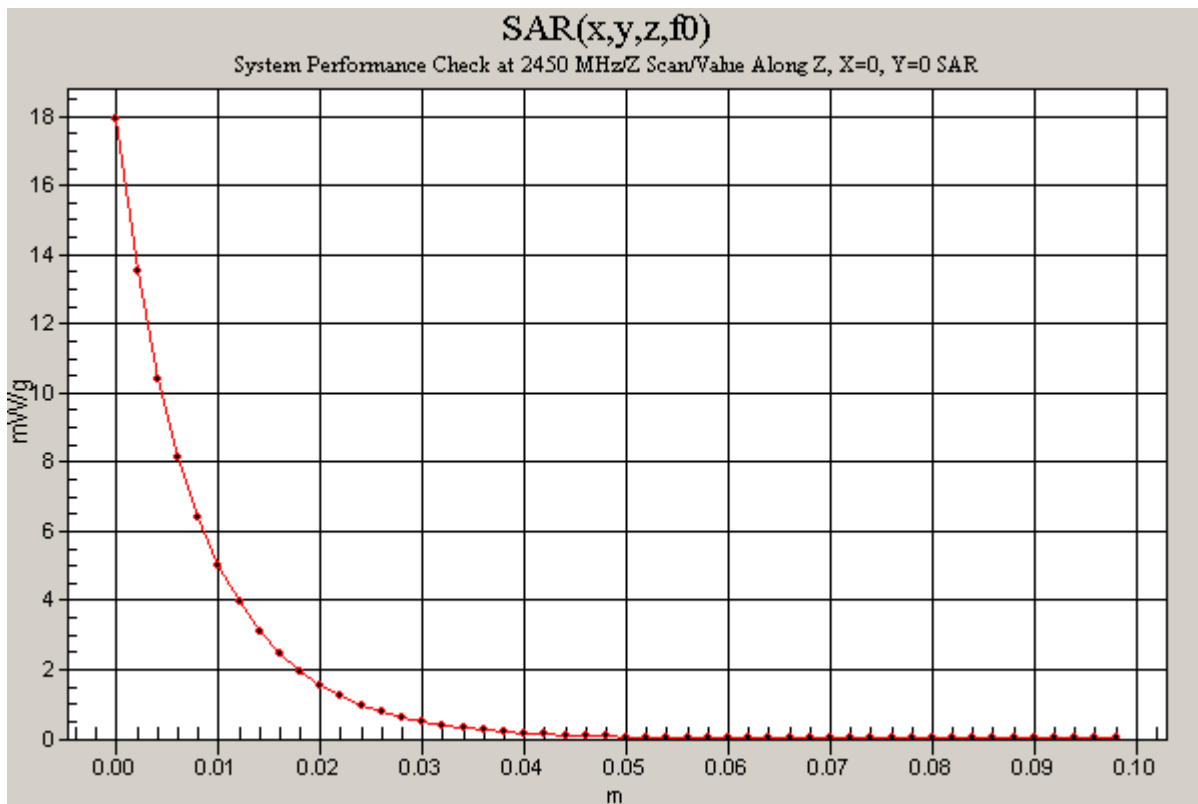
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Reference Value = 108.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 17.9 mW/g



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File Name: [D2450V2SN748\\_EX3DV3SN3531\\_080404.da4](#)

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:748**

**Program Name: System Performance Check at 2450 MHz**

**Ambient Temp.: 25.0 deg. C; Liquid Temp.: 24.0 deg. C**

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.91$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3531; ConvF(8.32, 8.32, 8.32); Calibrated: 7/18/2004

- Sensor-Surface: 1.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn500; Calibrated: 12/23/2003

- Phantom: SAM 2; Type: SAM 2; Serial: 1050

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 107.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 20.5 mW/g

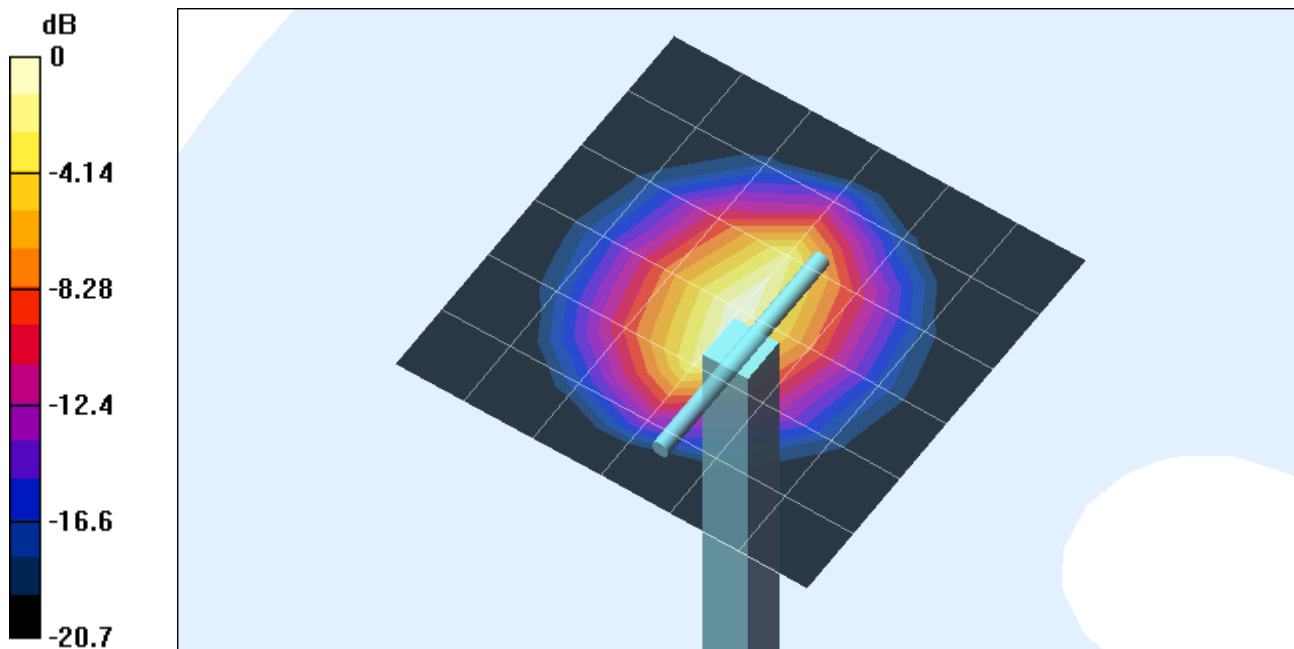
**d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 107.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 20.1 mW/g

Peak SAR (extrapolated) = 24.8 W/kg

**SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.98 mW/g**



0 dB = 20.1mW/g

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**Program Name: System Performance Check at 2450 MHz**

Communication System: CW - 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.91$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

Reference Value = 107.5 V/m; Power Drift = -0.0 dB

Maximum value of SAR (measured) = 17.4 mW/g

