

**Report Number:EED32K000745**

<b>Appendix A:SAR System performance Check Plots</b>
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<b>System Performance Check-D2450-Body</b>

Test Laboratory: CTI SAR Lab

**Systemcheck 2450-Body****DUT: D2450V2 - SN959; Type: D2450V2; Serial: SN959**

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.925$  S/m;  $\epsilon_r = 53.773$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69); Calibrated: 2/23/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn914; Calibrated: 12/19/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/d=10mm,Pin=250mW/Area Scan (10x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 15.5 W/kg

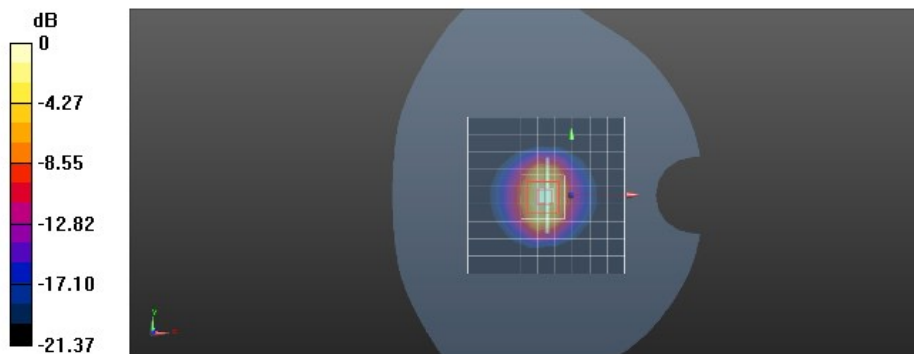
**Configuration/d=10mm,Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 86.58 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 24.7 W/kg

**SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.81 W/kg**

Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg = 12.74 dBW/kg