# APPENDIX A: SYSTEM CHECKING SCANS

## SystemPerformanceCheck-D2450 for Body

Date: 2018.08.28

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2 SN:818;**

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

Medium parameters used: f = 2450 MHz; $\sigma$ = 1.94 mho/m; $\varepsilon_r$ = 51.1; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:Probe: EX3DV4 - SN3881; ConvF(7.52, 7.52, 7.52); Calibrated: 2018.07.14.; Electronics: DAE4 Sn876; Calibrated: 2018.03.22.

**Body/Dipole2450/Area Scan (61x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 84.643V/m; Power Drift = -0.02 dB

**Fast SAR: SAR(1 g) = 12.6 mW/g; SAR(10 g) = 5.96 mW/g**

Maximum value of SAR (interpolated) = 18.4 W/kg

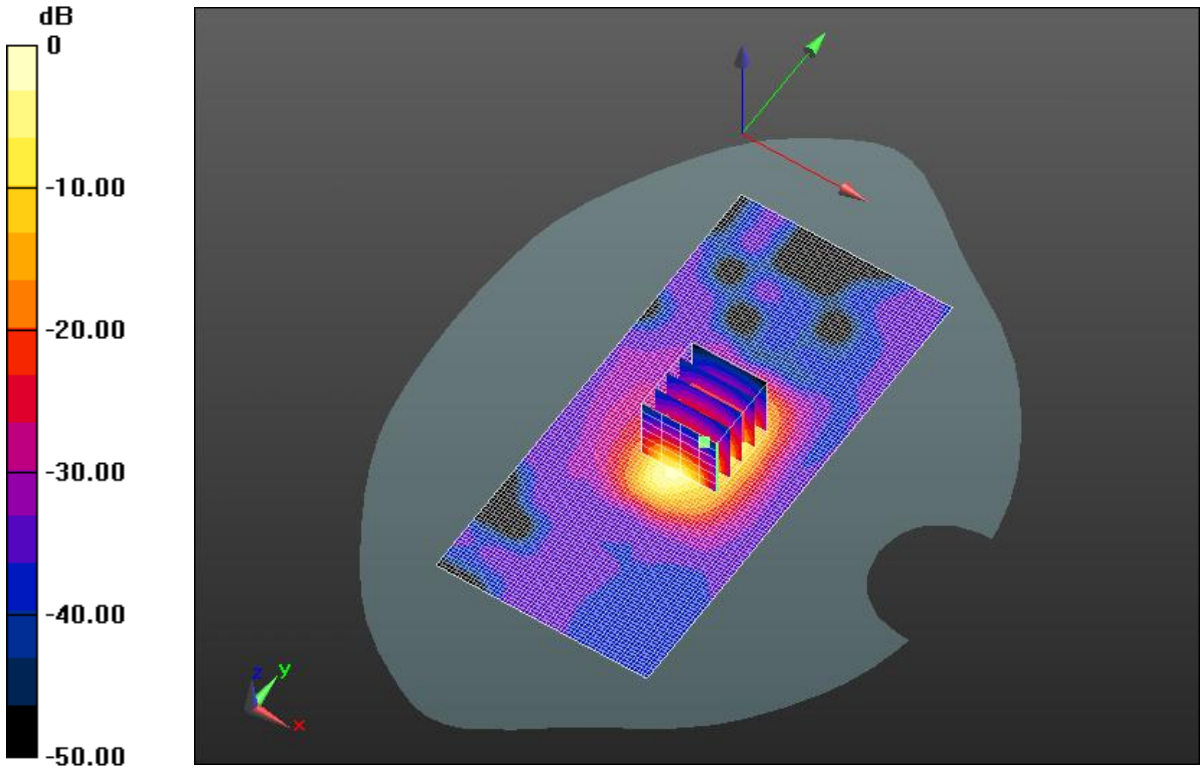
**Body/Dipole2450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.643 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 30.534 mW/g

**SAR(1 g) = 12.3 mW/g; SAR(10 g) = 5.75 mW/g**

Maximum value of SAR (measured) = 14.3 W/kg




0 dB = 18.4 W/kg = 25.32 dB W/kg