Report No.: SZEM180700619801

# **Appendix A**

## **Detailed System Validation Results**

System Performance Check 2450 MHz Body

Date: 2018-07-19

Test Laboratory: SGS-SAR Lab

### System Performance Check 2450MHz Body

**DUT: D2450V2; Type: D2450V2; Serial: 733** 

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

Medium: MSL2450; Medium parameters used: f = 2450 MHz;  $\sigma = 1.966$  S/m;  $\varepsilon_r = 52.537$ ;  $\rho = 1000$ 

 $kg/m^3$ 

Phantom section: Flat Section

#### DASY 5 Configuration:

• Probe: EX3DV4 - SN3962; ConvF(7.78, 7.78, 7.78); Calibrated: 2018-01-11;

- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -2.0, 31.0
- Electronics: DAE4 Sn1374; Calibrated: 2017-08-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Body/d=10mm, Pin=250mW/Area Scan (10x14x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 13.5 W/kg

#### Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

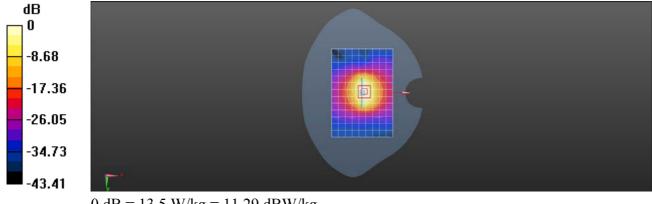
dx=5mm, dy=5mm, dz=5mm

Reference Value = 79.736 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 25.2 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.92 W/kg

Maximum value of SAR (measured) = 14.6 W/kg



0 dB = 13.5 W/kg = 11.29 dBW/kg