



Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Head

DUT: D2450V2; Type: D2450V2; Serial: 733

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

Medium: HSL2450; Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.824 \text{ S/m}$; $\epsilon_r = 39.15$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.06, 7.06, 7.06); Calibrated: 2020-05-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Body/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 13.9 W/kg

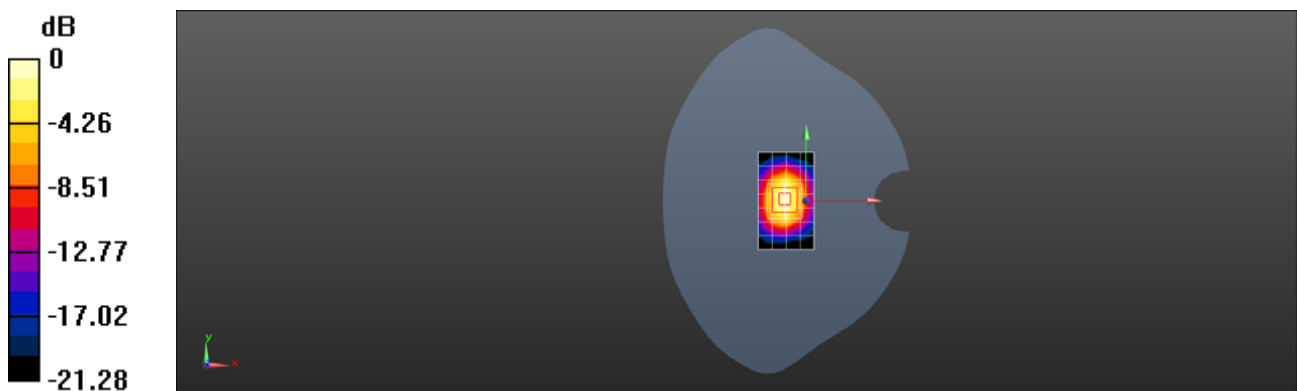
Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:
 $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 88.79 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 26.1 W/kg

SAR(1 g) = 12.9 W/kg ; SAR(10 g) = 6.08 W/kg

Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 14.7 W/kg = 11.67 dBW/kg