Appendix A

Detailed System Validation Results

System Performance Check 2450MHz Body

Date/Time: 2013-12-23 9:38:28

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Body

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 733

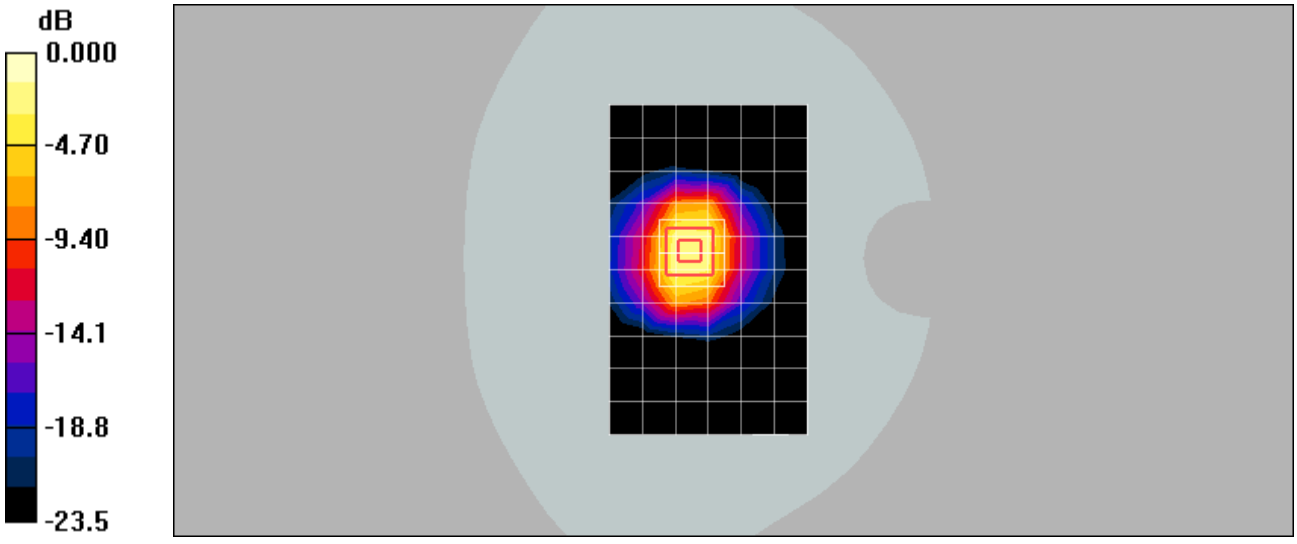
Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used: f = 2450 MHz; σ = 1.95 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.02, 4.02, 4.02); Calibrated: 2013-6-18
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2013-1-16
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=10mm, Pin=250mW/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.1 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.1 V/m; Power Drift = -0.171 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 13.2 mW/g; SAR(10 g) = 5.86 mW/g
Maximum value of SAR (measured) = 14.8 mW/g



0 dB = 14.8mW/g