



Appendix A. System Check Plots

Table of contents
SystemPerformanceCheck-D2450-EX-Head
SystemPerformanceCheck-D2450-EX-Body

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-EX-Head

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 -SN:978

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 39.643$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.39, 7.39, 7.39); Calibrated: 2016/9/29;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2016/9/28
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/d=10mm, Pin=250mW/Area Scan (6x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 20.3 W/kg

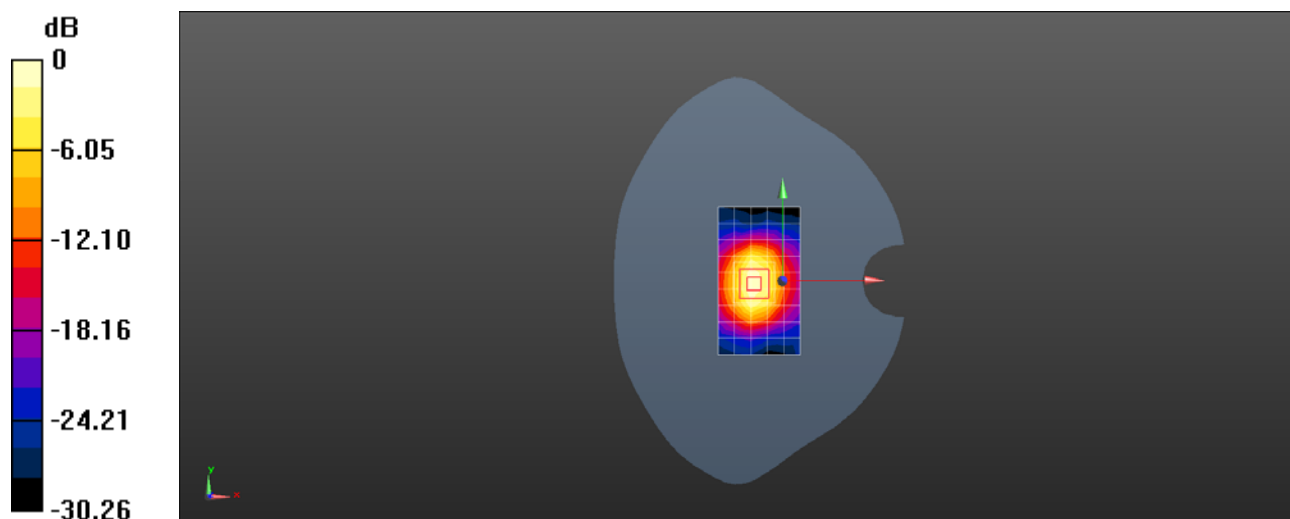
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 89.94 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 25.1 W/kg

SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6.1 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.3 W/kg = 13.08 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-EX-Body

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 -SN:978

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.946$ S/m; $\epsilon_r = 53.703$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/8/29;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2016/9/28
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

Configuration/d=10mm, Pin=250mW/Area Scan (6x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 20.4 W/kg

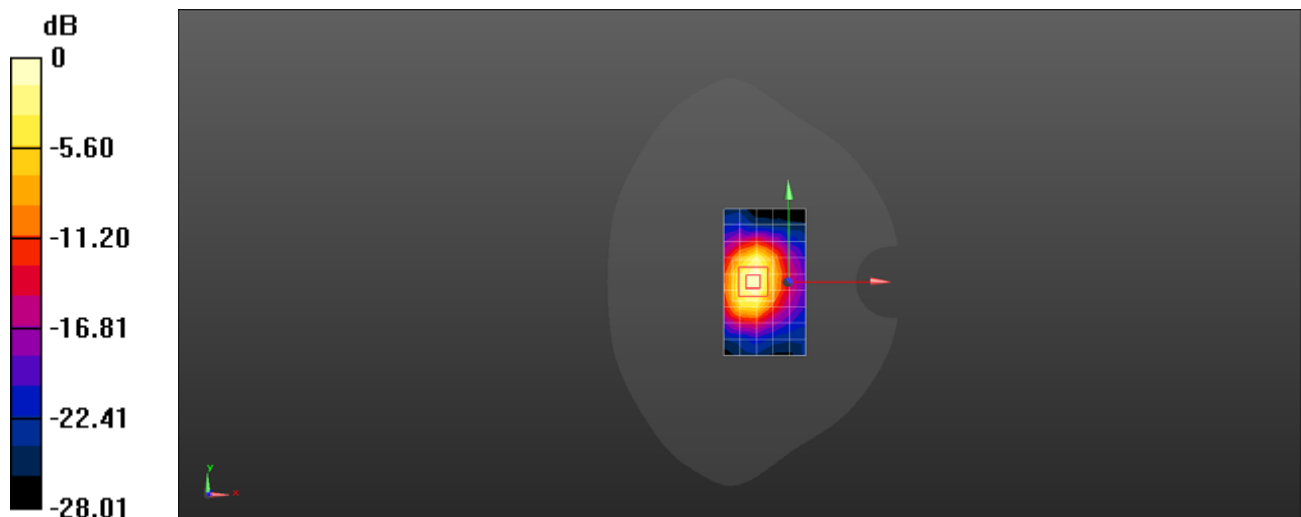
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 67.61 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 23.0 W/kg

SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.91 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 20.4 W/kg = 13.09 dBW/kg