



### Appendix A. System Check Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

## SystemPerformanceCheck-D750-EX-Body

**DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1078**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.757$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.47, 9.47, 9.47); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/d=15mm, Pin=250mW/Area Scan (6x14x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.80 W/kg

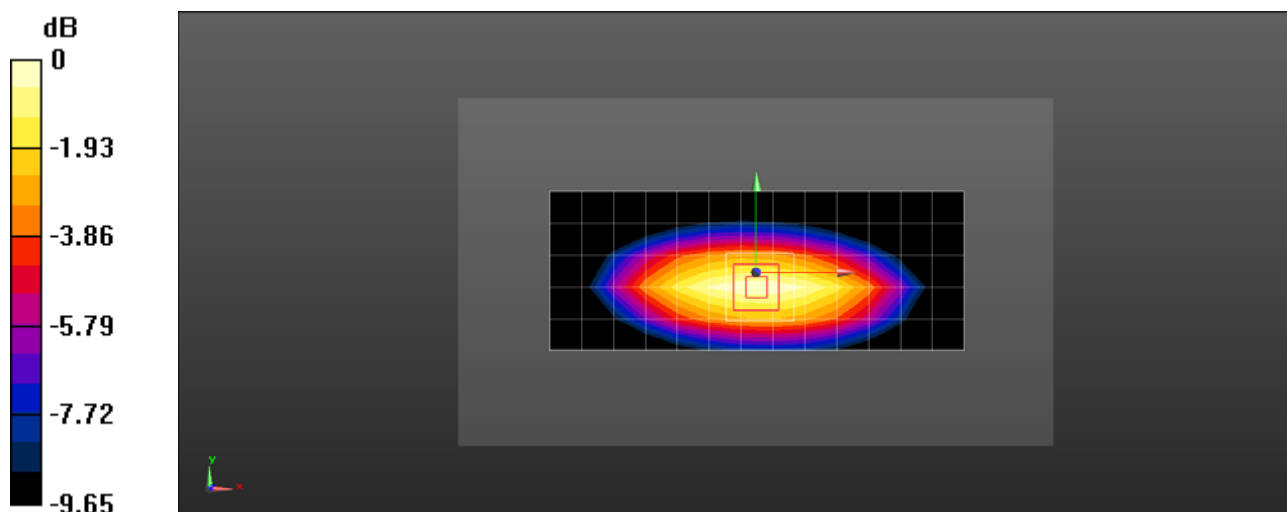
**Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 43.18 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.47 W/kg**

Maximum value of SAR (measured) = 2.85 W/kg



0 dB = 2.85 W/kg = 4.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SystemPerformanceCheck-D835-EX-Body

**DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d126**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.977$  S/m;  $\epsilon_r = 56.191$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(9.59, 9.59, 9.59); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/d=15mm, Pin=250mW/Area Scan (6x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 3.38 W/kg

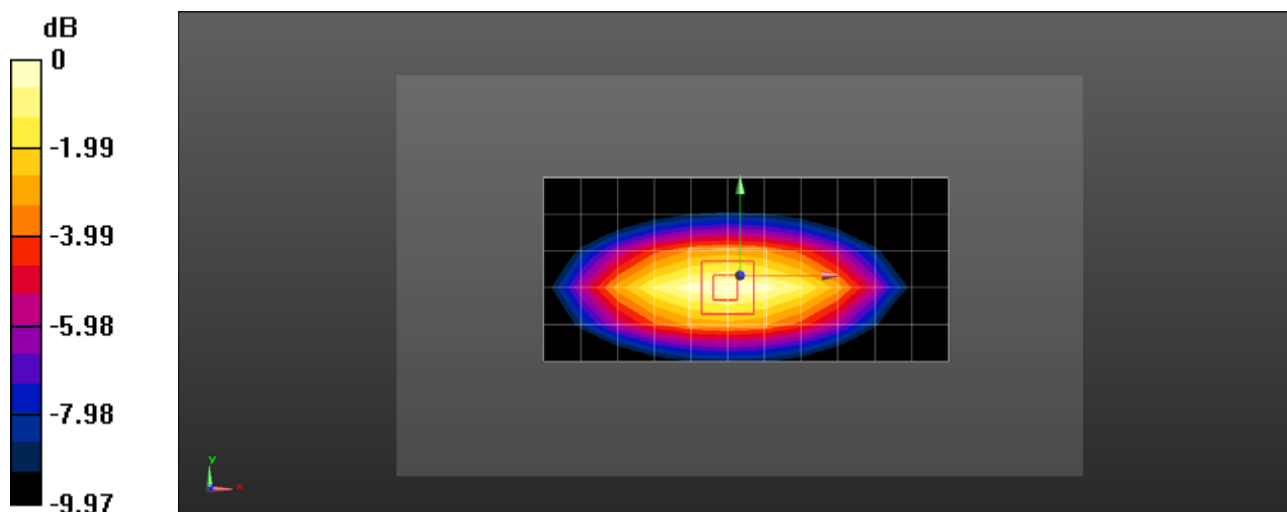
**Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 48.47 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.80 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.68 W/kg**

Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg = 5.26 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## SystemPerformanceCheck-D1900-EX-Body

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.567$  S/m;  $\epsilon_r = 54.591$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(7.62, 7.62, 7.62); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/d=10mm pin=250mW/Area Scan (6x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 14.9 W/kg

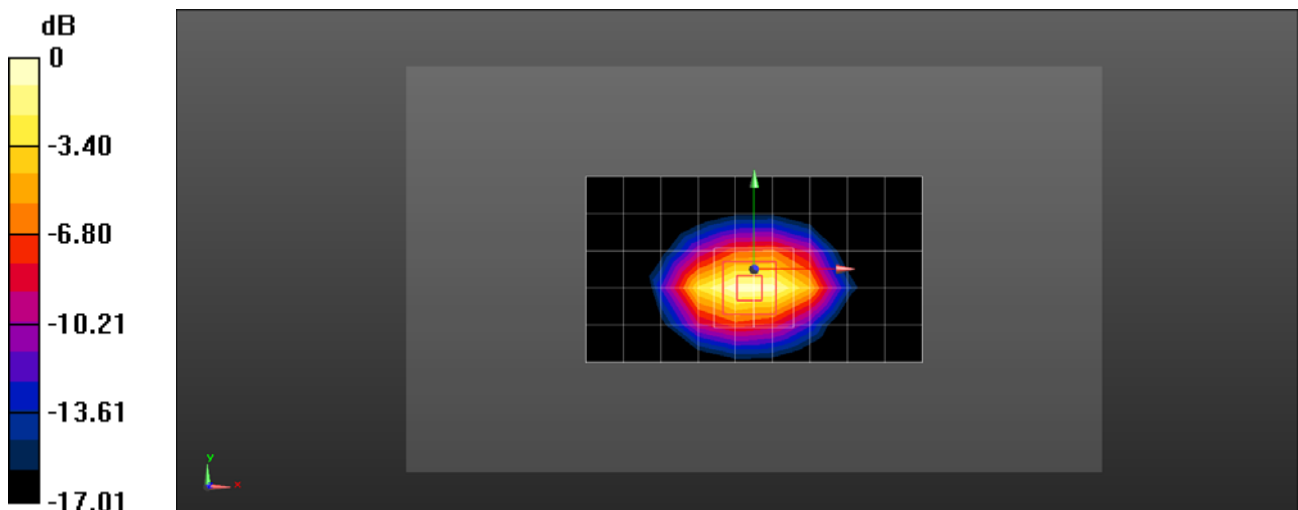
**Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 58.12 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 18.5 W/kg

**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.53 W/kg**

Maximum value of SAR (measured) = 15.7 W/kg



0 dB = 15.7 W/kg = 11.96 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 (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.92$  S/m;  $\epsilon_r = 53.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3820; ConvF(7.1, 7.1, 7.1); Calibrated: 2017/6/27;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn905; Calibrated: 2017/6/20
- ε Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1176/1
- 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) = 19.7 W/kg

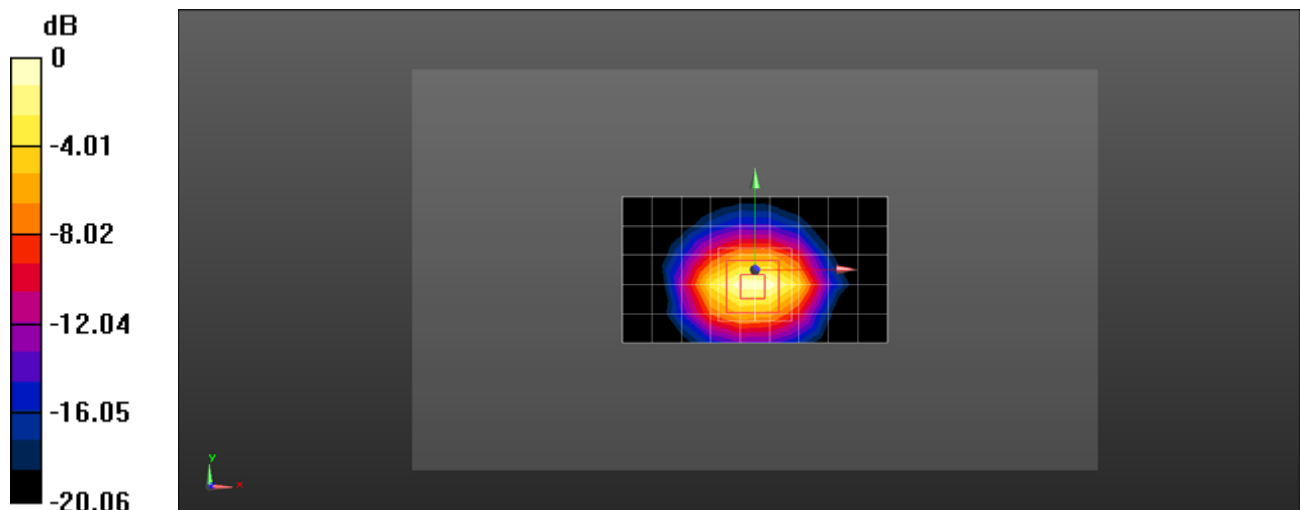
**Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 55.82 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 26.2 W/kg

**SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.27 W/kg**

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg = 13.32 dBW/kg