



## Appendix A. System Check Plots

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<b>SystemPerformanceCheck-D835-EX-Body</b>
<b>SystemPerformanceCheck-D1900-EX-Body</b>

Test Laboratory: HUAWEI SAR Lab

**SystemPerformanceCheck-D835-EX-Body****DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d126**

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.987$  mho/m;  $\epsilon_r = 53.523$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(8.98, 8.98, 8.98); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/d=15mm,pin=250mW/Area Scan (6x13x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.75 mW/g

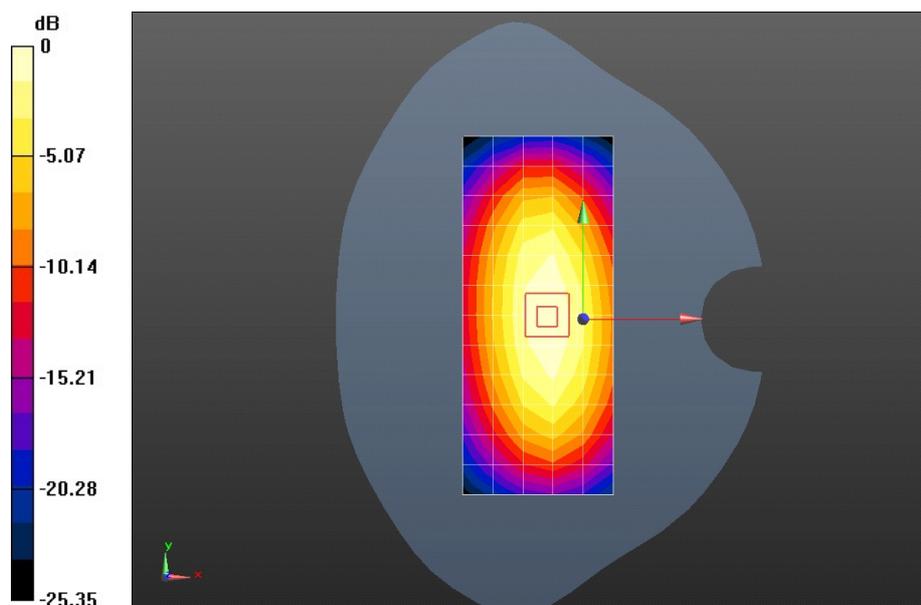
**Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 53.553 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.822 mW/g

**SAR(1 g) = 2.58 mW/g; SAR(10 g) = 1.69 mW/g**

Maximum value of SAR (measured) = 2.79 mW/g



0 dB = 2.75 mW/g = 8.78 dB mW/g

Test Laboratory: HUAWEI SAR Lab

**SystemPerformanceCheck-D1900-EX-Body****DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d143**

Communication System: CW; Frequency: 1900 MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.564$  mho/m;  $\epsilon_r = 53.065$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.14, 7.14, 7.14); Calibrated: 4/26/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 1; Type: SAM; Serial: TP-1475
- DASY52 52.8.1(838); SEMCAD X 14.6.5(6469)

**Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 11.4 mW/g

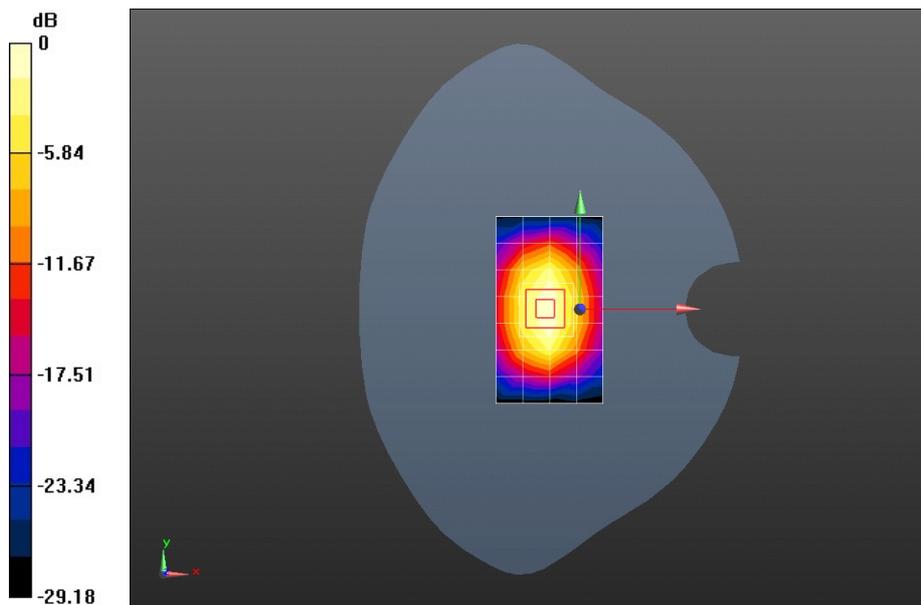
**Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 88.651 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 19.641 mW/g

**SAR(1 g) = 10.8 mW/g; SAR(10 g) = 5.55 mW/g**

Maximum value of SAR (measured) = 12.2 mW/g



0 dB = 11.4 mW/g = 21.13 dB mW/g