



HUAWEI

### Appendix A. System Check Plots

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Test Laboratory: HUAWEI SAR Lab

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.886$  mho/m;  $\epsilon_r = 42.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.33, 8.33, 8.33); Calibrated: 6/21/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 2.575 mW/g

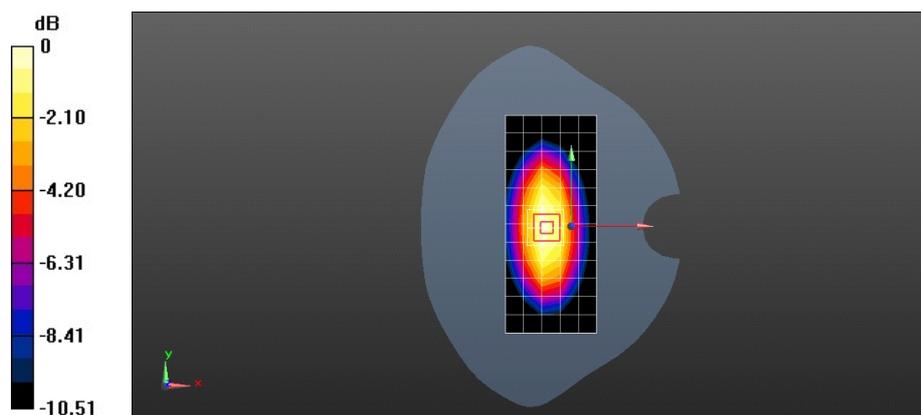
**Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 54.320 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.7460

**SAR(1 g) = 2.47 mW/g; SAR(10 g) = 1.61 mW/g**

Maximum value of SAR (measured) = 2.658 mW/g



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;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3578; ConvF(8.45, 8.45, 8.45); Calibrated: 6/21/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 2.689 mW/g

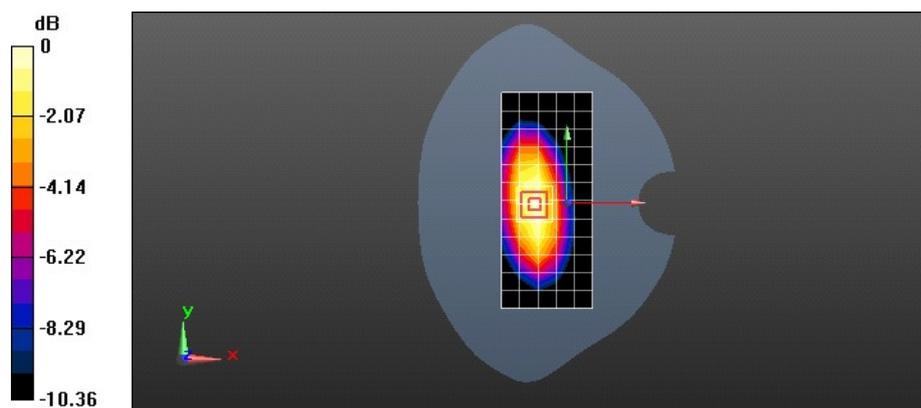
**Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 46.304 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.8600

**SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.69 mW/g**

Maximum value of SAR (measured) = 2.787 mW/g



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### SystemPerformanceCheck-D1900-EX-Head

**DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d143**

Communication System: CW; Frequency: 1900 MHz

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.443$  mho/m;  $\epsilon_r = 38.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3578; ConvF(7.26, 7.26, 7.26); Calibrated: 6/21/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 8.533 mW/g

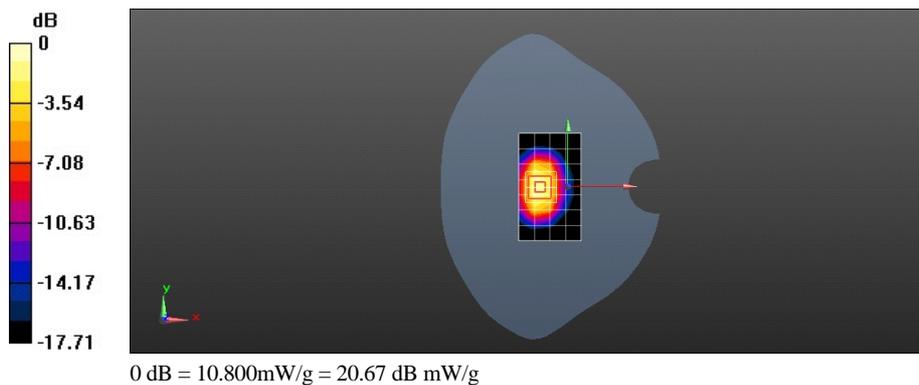
**Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 65.415 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 18.1800

**SAR(1 g) = 9.65 mW/g; SAR(10 g) = 4.97 mW/g**

Maximum value of SAR (measured) = 10.801 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;  $\sigma = 1.529$  mho/m;  $\epsilon_r = 52.954$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.68, 6.68, 6.68); Calibrated: 6/21/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 10.462 mW/g

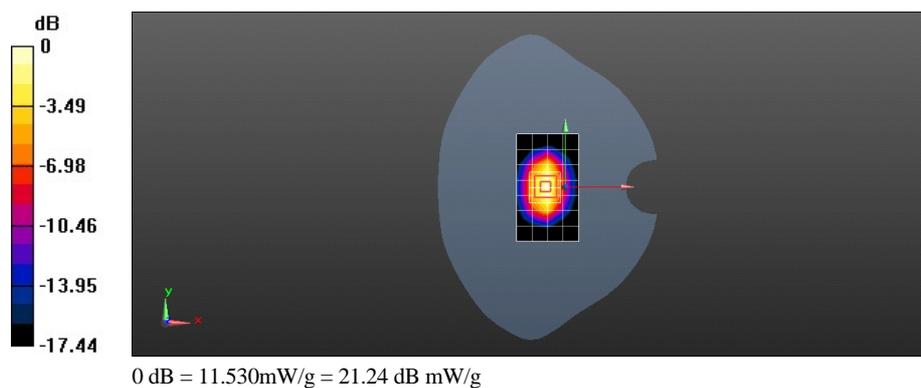
**Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 85.245 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 19.0630

**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.26 mW/g**

Maximum value of SAR (measured) = 11.532 mW/g



Test Laboratory: HUAWEI SAR Lab

**SystemPerformanceCheck-D2450-EX-Head****DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:860**

Communication System: CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.858$  mho/m;  $\epsilon_r = 38.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.42, 6.42, 6.42); Calibrated: 6/21/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM3; Type: SAM; Serial: TP-1597
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 12.992 mW/g

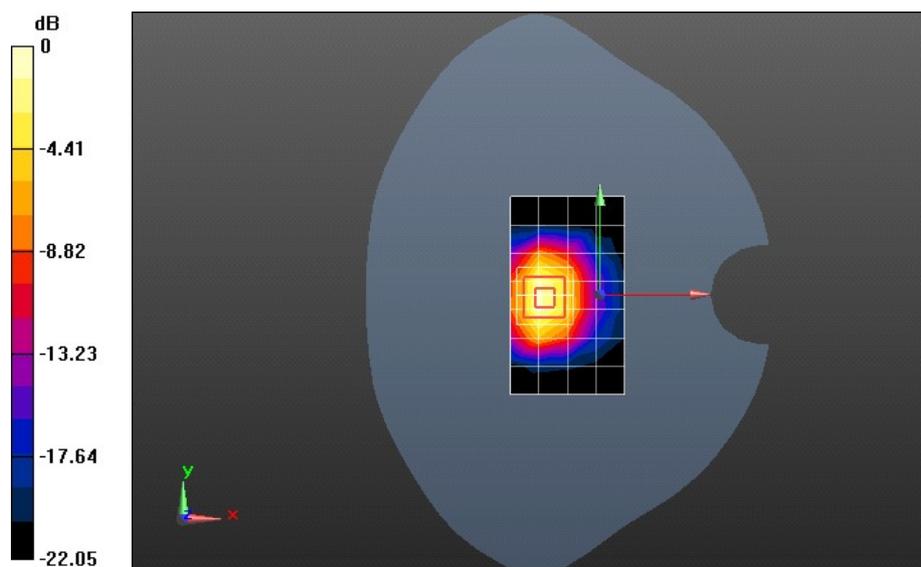
**Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 57.191 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 29.7410

**SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.3 mW/g**

Maximum value of SAR (measured) = 15.760 mW/g



0 dB = 15.760mW/g = 23.95 dB mW/g

Test Laboratory: HUAWEI SAR Lab

### SystemPerformanceCheck-D2450-EX-Body

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:860**

Communication System: CW; Frequency: 2450 MHz

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.03$  mho/m;  $\epsilon_r = 50.732$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3578; ConvF(6.18, 6.18, 6.18); Calibrated: 6/21/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

Maximum value of SAR (measured) = 11.568 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 = 81.212 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 28.8450

**SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.06 mW/g**

Maximum value of SAR (measured) = 15.438 mW/g

