



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; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.915$ mho/m; $\epsilon_r = 42.52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.46, 9.46, 9.46); Calibrated: 1/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 12/23/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 2.61 W/kg

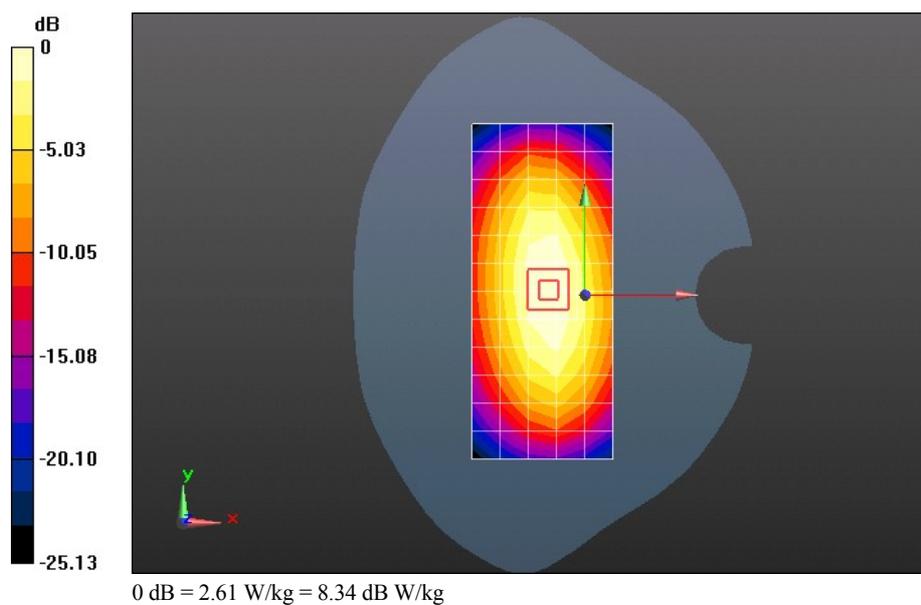
Configuration/d=15mm, pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.589 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.724 mW/g

SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.63 mW/g

Maximum value of SAR (measured) = 2.69 W/kg



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; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.51, 9.51, 9.51); Calibrated: 7/12/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (measured) = 2.54 W/kg

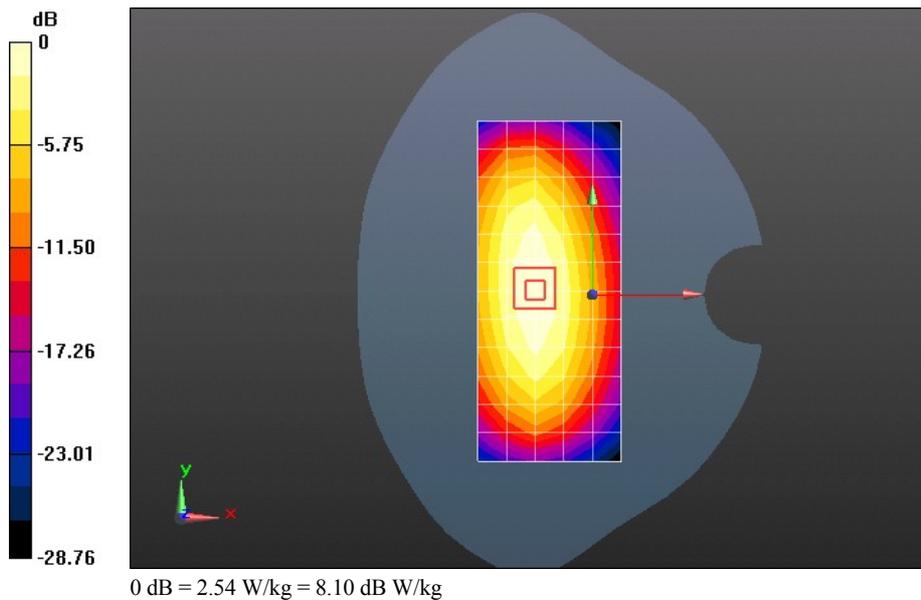
Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.024 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.521 mW/g

SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.53 mW/g

Maximum value of SAR (measured) = 2.53 W/kg



Test Laboratory: HUAWEI SAR Lab

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

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.454$ mho/m; $\epsilon_r = 41.456$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.63, 7.63, 7.63); Calibrated: 7/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/d=10mm, Pin=250mW/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.3 W/kg

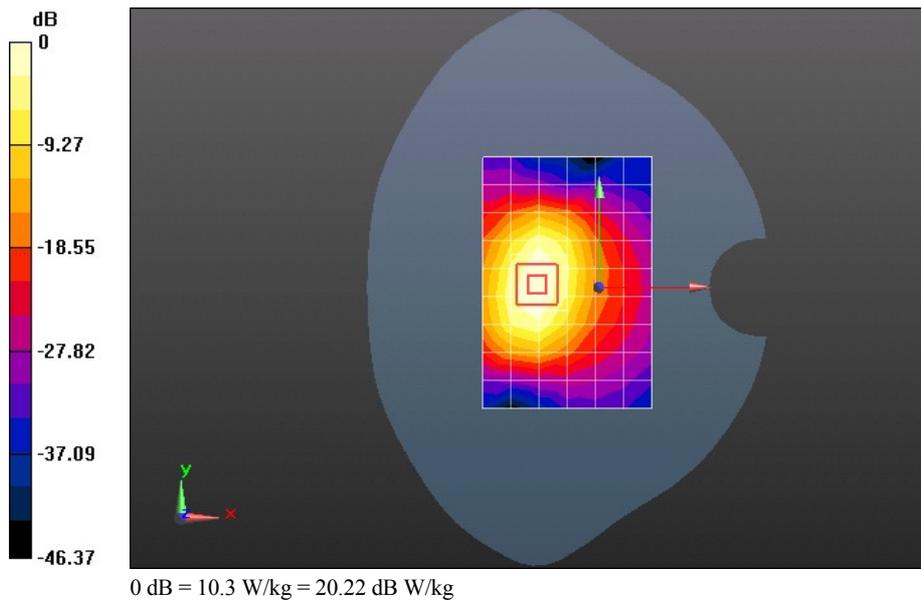
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.181 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 19.283 mW/g

SAR(1 g) = 9.95 mW/g; SAR(10 g) = 5.04 mW/g

Maximum value of SAR (measured) = 11.2 W/kg



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; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.534$ mho/m; $\epsilon_r = 53.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.39, 7.39, 7.39); Calibrated: 7/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/d=10mm, Pin=250mW/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.8 W/kg

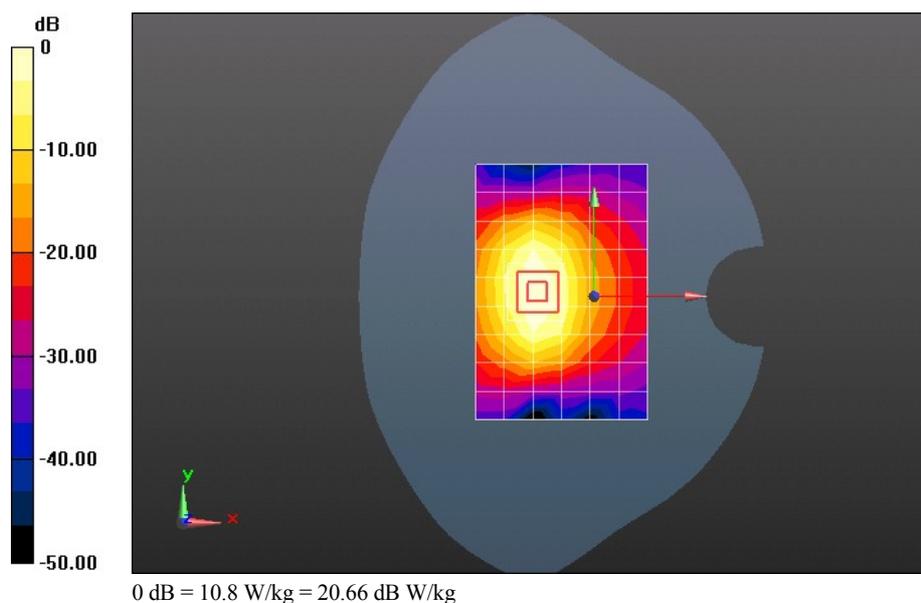
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.303 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 20.332 mW/g

SAR(1 g) = 10.6 mW/g; SAR(10 g) = 5.35 mW/g

Maximum value of SAR (measured) = 11.9 W/kg



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; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 39.064$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.33, 6.33, 6.33); Calibrated: 7/12/2011;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 14.2 W/kg

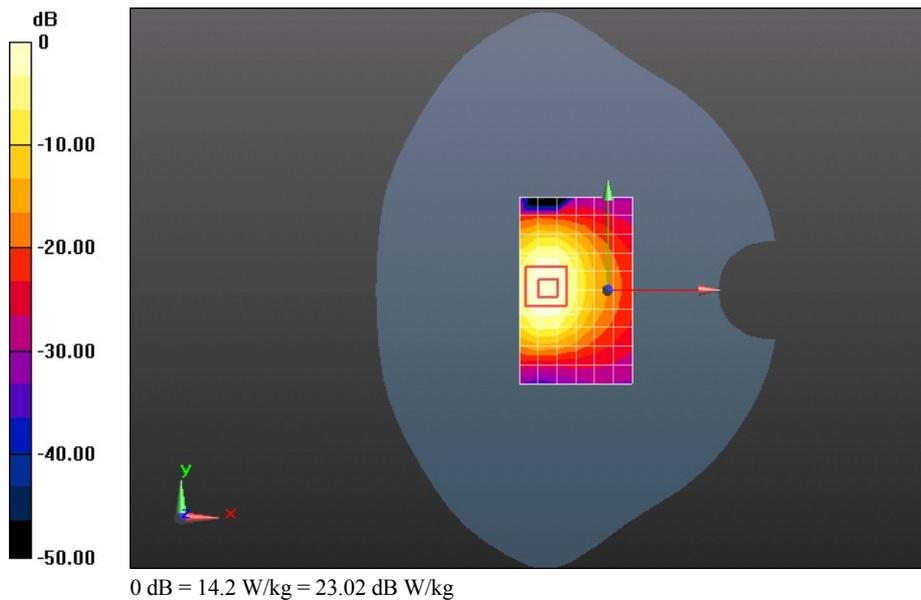
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.342 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 28.676 mW/g

SAR(1 g) = 14.2 mW/g; SAR(10 g) = 6.5 mW/g

Maximum value of SAR (measured) = 16.6 W/kg



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; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.983$ mho/m; $\epsilon_r = 52.058$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3744; ConvF(6.92, 6.92, 6.92); Calibrated: 7/27/2012;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn851; Calibrated: 7/25/2012
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.4 W/kg

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

Reference Value = 43.266 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 29.672 mW/g

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.01 mW/g

Maximum value of SAR (measured) = 15.5 W/kg

