



Appendix A. System Check Plots

Table of contents
SystemPerformanceCheck-D750-ES-Body
SystemPerformanceCheck-D835-ES-Body
SystemPerformanceCheck-D835-ES-Body
SystemPerformanceCheck-D1800-ES-Body
SystemPerformanceCheck-D1800-ES-Body
SystemPerformanceCheck-D1900-ES-Body
SystemPerformanceCheck-D1900-ES-Body

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D750-ES-Body

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1044

Communication System: CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 52.985$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.14, 6.14, 6.14); Calibrated: 10/26/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15, pin=250mW/Area Scan (6x15x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.519 mW/g

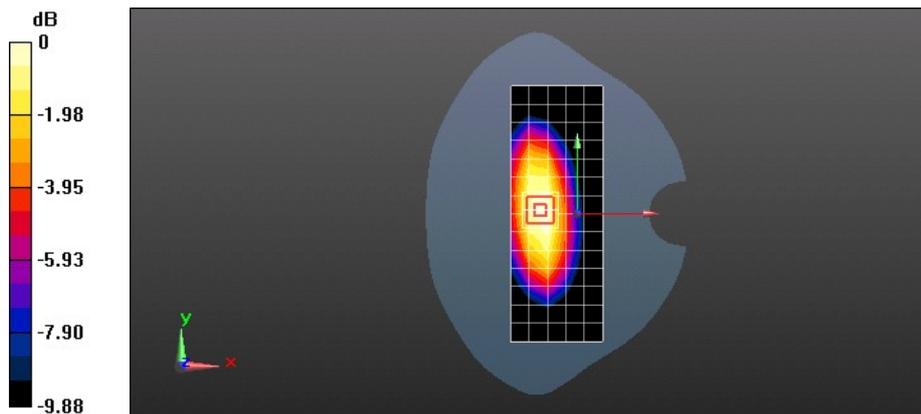
Configuration/d=15, pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 43.828 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.4960

SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.622 mW/g



0 dB = 2.620mW/g = 8.37 dB mW/g

Test Laboratory: HUAWEI SAR Lab

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.988$ mho/m; $\epsilon_r = 56.611$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 2.747 mW/g

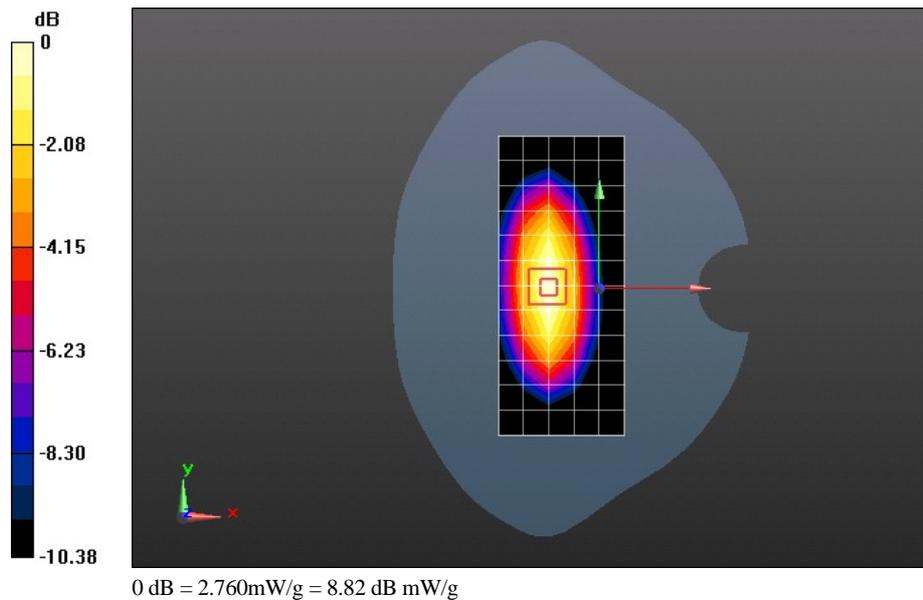
Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 41.812 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.8490

SAR(1 g) = 2.55 mW/g; SAR(10 g) = 1.66 mW/g

Maximum value of SAR (measured) = 2.761 mW/g



Test Laboratory: HUAWEI SAR Lab

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

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.998$ mho/m; $\epsilon_r = 56.705$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.11, 6.11, 6.11); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- 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) = 2.708 mW/g

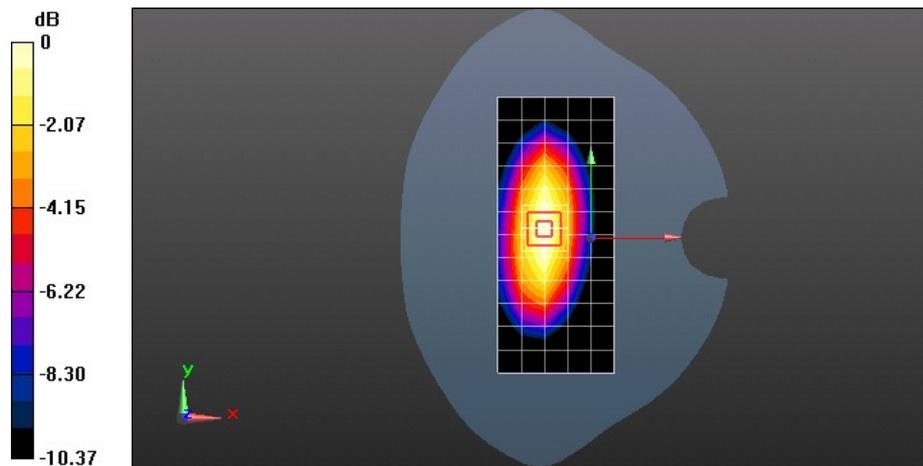
Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 41.170 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.7680

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

Maximum value of SAR (measured) = 2.704 mW/g



0 dB = 2.700mW/g = 8.63 dB mW/g

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body**DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:2d184**

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.579$ mho/m; $\epsilon_r = 52.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=250mW/Area Scan (5x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 11.436 mW/g

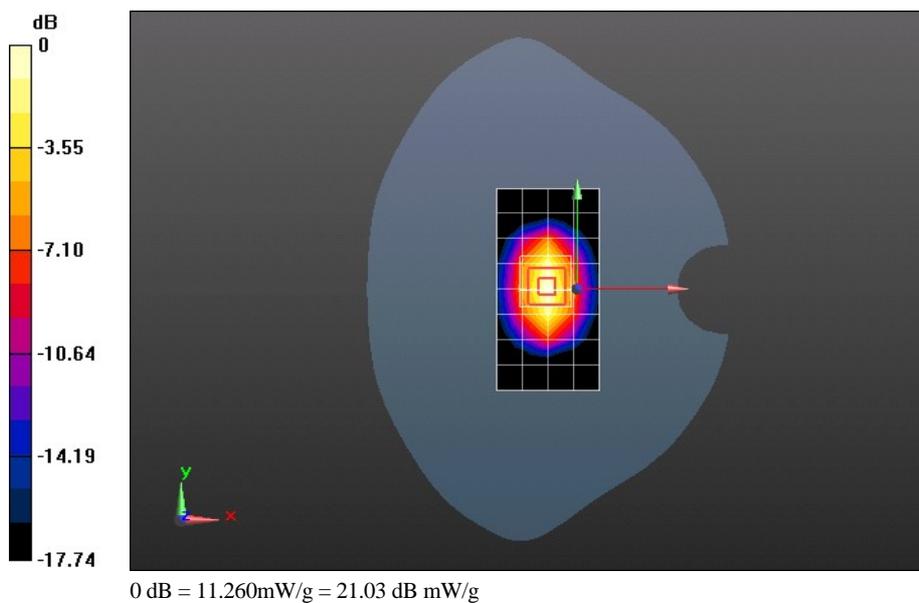
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 86.684 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 18.6040

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.23 mW/g

Maximum value of SAR (measured) = 11.261 mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1800-ES-Body**DUT: Dipole 1800 MHz D1800V2; Type: D1800V2; Serial: D1800V2 - SN:2d184**

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.585$ mho/m; $\epsilon_r = 52.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=10mm, Pin=250mW/Area Scan (5x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 11.654 mW/g

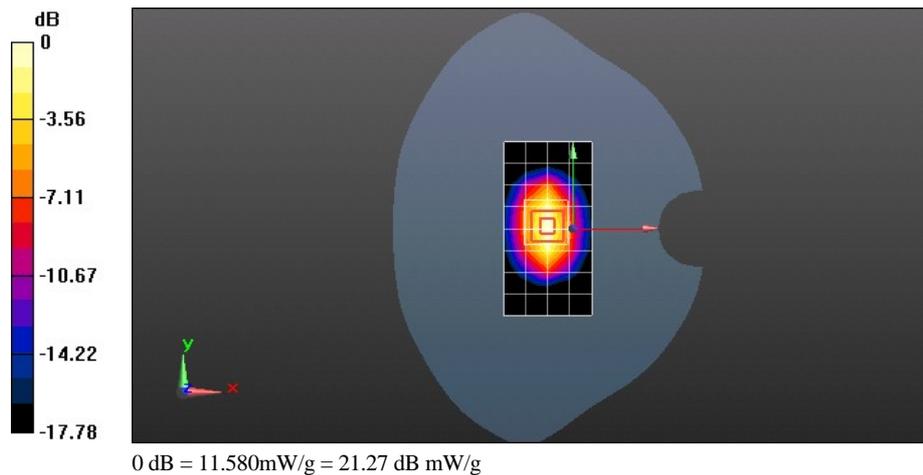
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 86.987 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 19.1590

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.32 mW/g

Maximum value of SAR (measured) = 11.585 mW/g



Test Laboratory: HUAWEI SAR Lab

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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.523$ mho/m; $\epsilon_r = 52.58$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- 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) = 10.663 mW/g

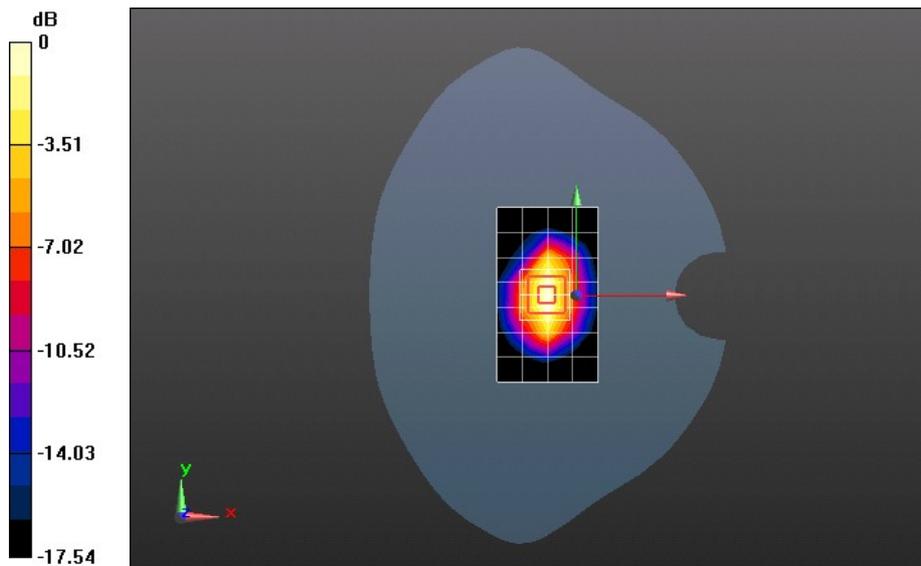
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 88.916 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 17.5170

SAR(1 g) = 9.51 mW/g; SAR(10 g) = 4.91 mW/g

Maximum value of SAR (measured) = 10.719 mW/g



0 dB = 10.720mW/g = 20.60 dB mW/g

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-ES-Body

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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r = 52.349$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn914; Calibrated: 12/8/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- 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) = 10.886 mW/g

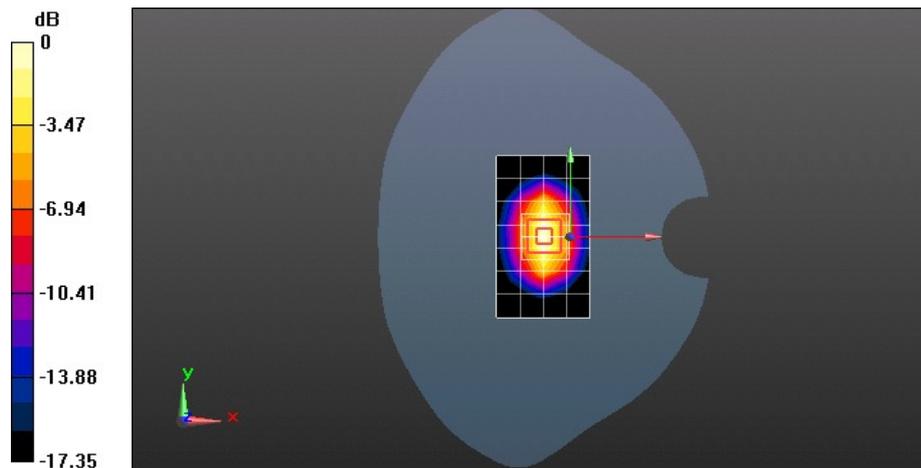
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 89.056 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 19.0650

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.35 mW/g

Maximum value of SAR (measured) = 11.811 mW/g



0 dB = 11.810mW/g = 21.44 dB mW/g