



Appendix A. System Check Plots

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Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D900-EX-Head

DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:1d112

Communication System: CW; Frequency: 900 MHz

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.937 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.06, 9.06, 9.06); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=15mm, Pin=250mW/Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.89 mW/g

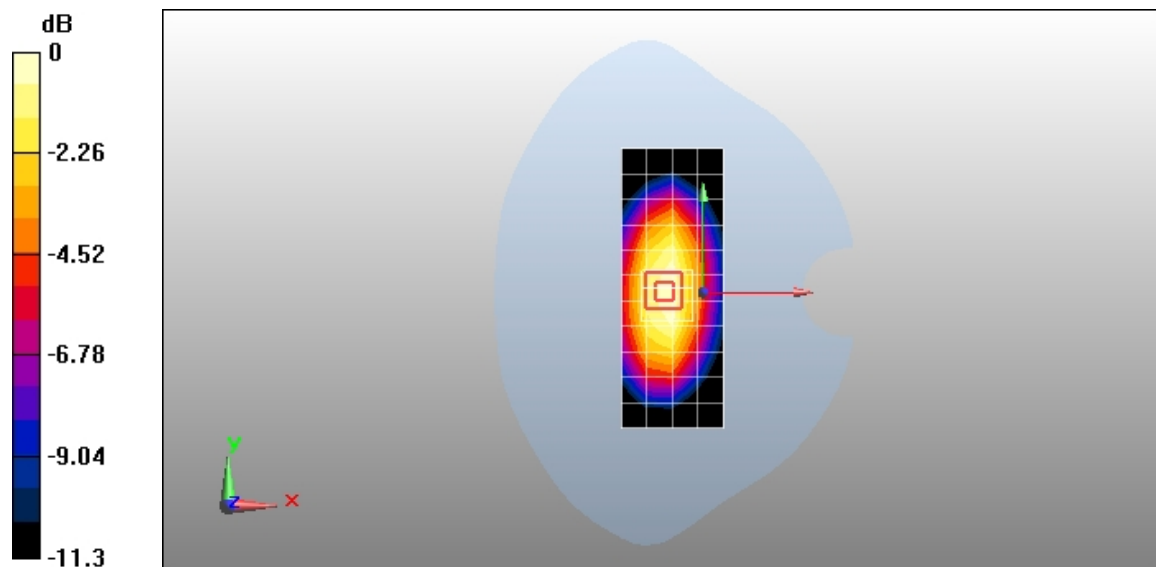
Configuration/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 2.72 mW/g; SAR(10 g) = 1.73 mW/g

Maximum value of SAR (measured) = 2.91 mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D900-EX-Body

DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:1d112

Communication System: CW; Frequency: 900 MHz

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 52.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.07, 9.07, 9.07); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=15mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.98 mW/g

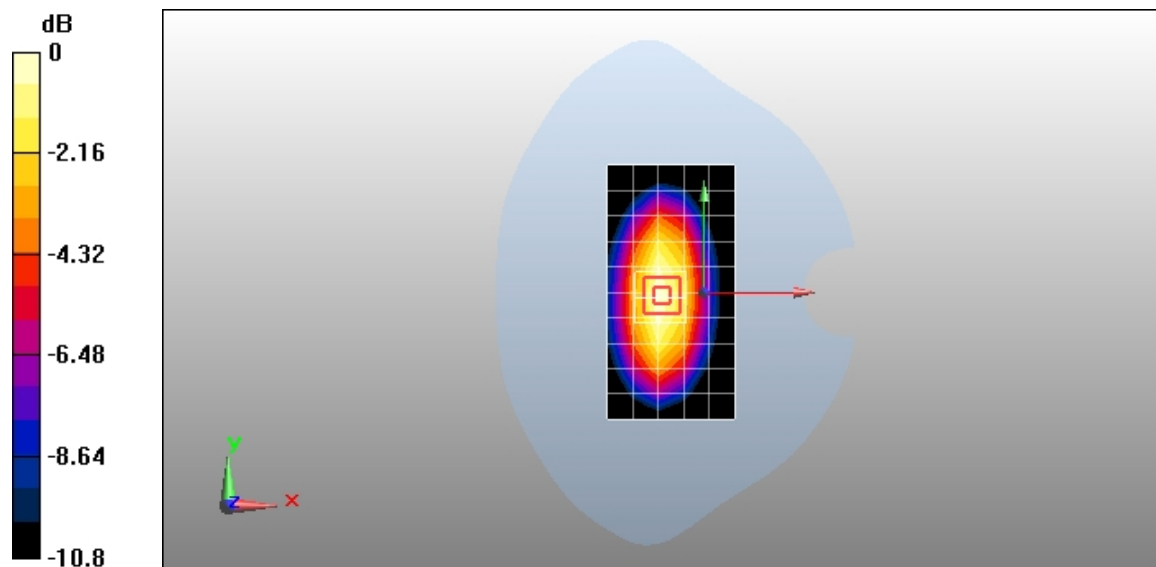
Configuration/d=15mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.4 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 2.79 mW/g; SAR(10 g) = 1.8 mW/g

Maximum value of SAR (measured) = 3.02 mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-EX-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d018

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.9, 7.9, 7.9); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 7.99 mW/g

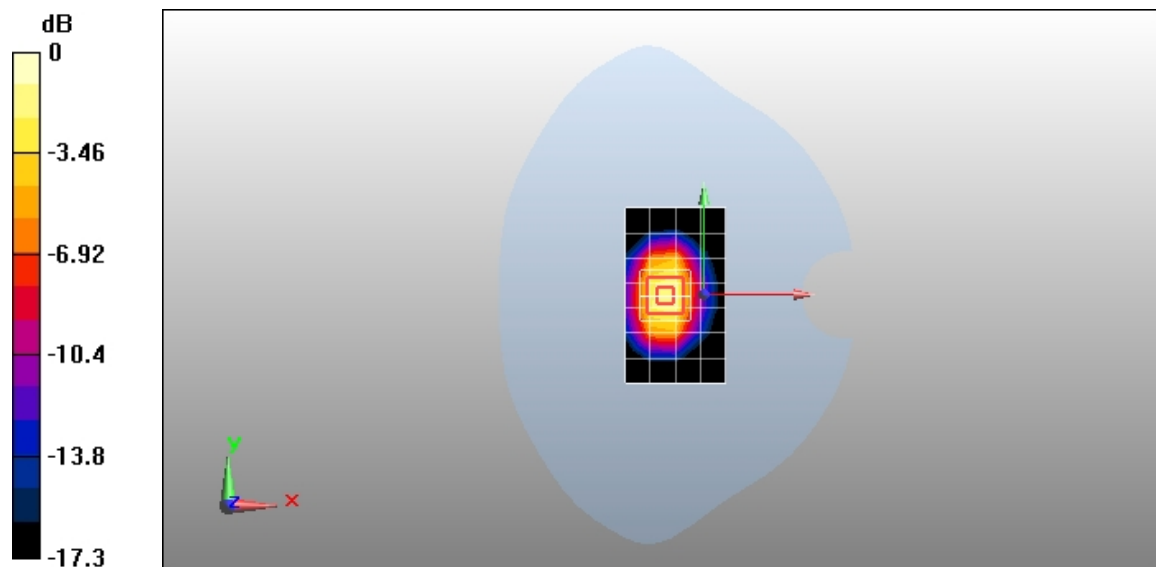
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 78.4 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 9.81 mW/g; SAR(10 g) = 5.05 mW/g

Maximum value of SAR (measured) = 11.1 mW/g



0 dB = 11.1mW/g

Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-EX-Body

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d018

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 8.57 mW/g

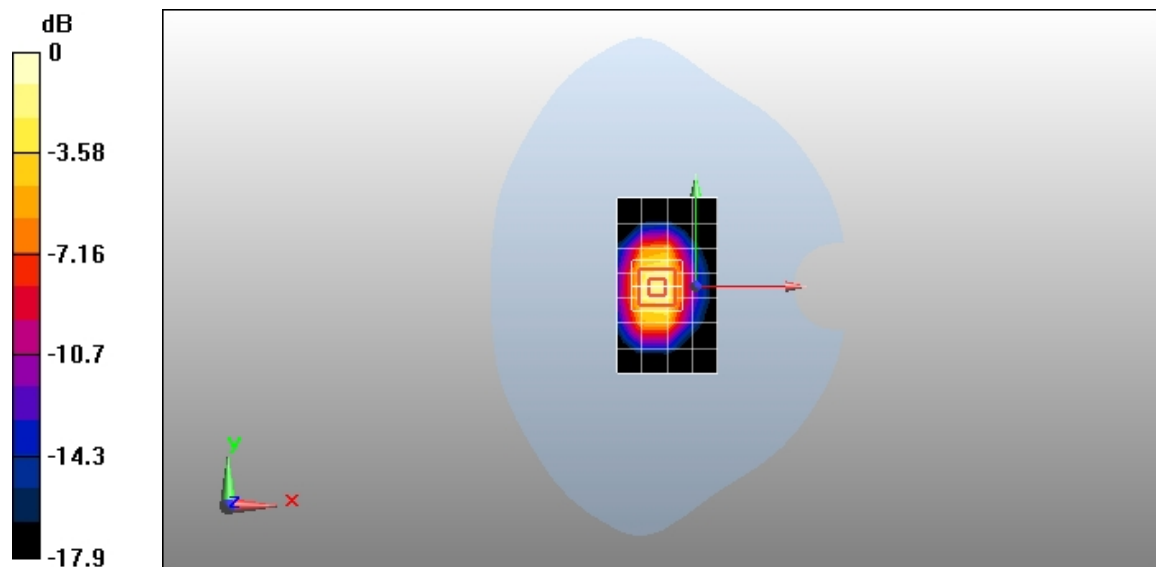
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 76.7 V/m; Power Drift = 0.097 dB

Peak SAR (extrapolated) = 19.9 W/kg

SAR(1 g) = 10.7 mW/g; SAR(10 g) = 5.47 mW/g

Maximum value of SAR (measured) = 12.1 mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-EX-Body

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d018

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.58$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.17, 7.17, 7.17); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

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

Maximum value of SAR (measured) = 8.69 mW/g

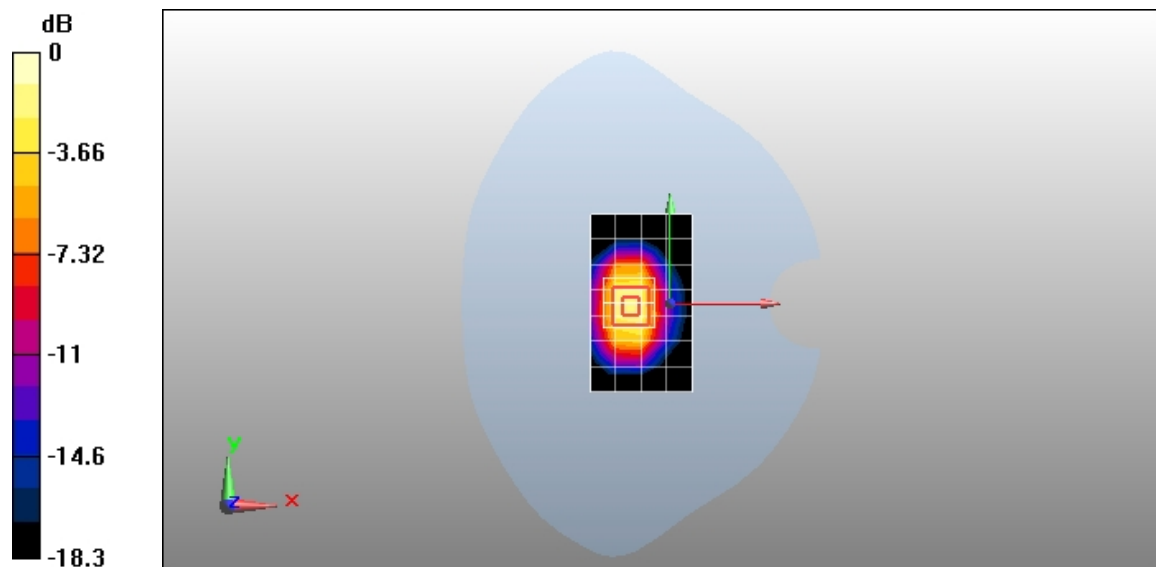
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 75.8 V/m; Power Drift = 0.150 dB

Peak SAR (extrapolated) = 20.4 W/kg

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.54 mW/g

Maximum value of SAR (measured) = 12.3 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; $\sigma = 1.83$ mho/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.11, 7.11, 7.11); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm,pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 15.7 mW/g

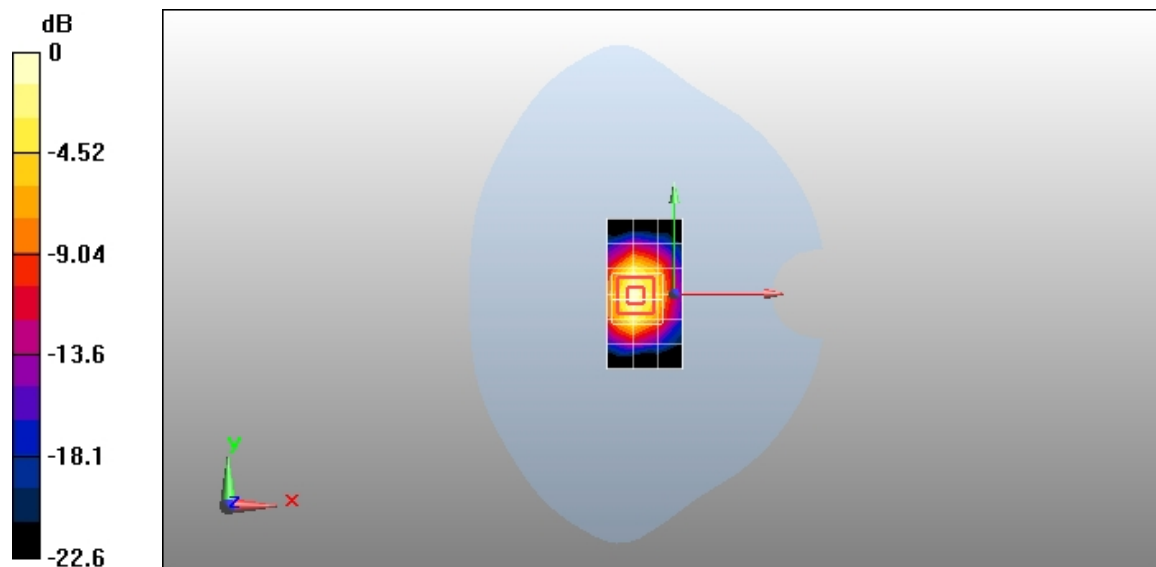
Configuration/d=10mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.5 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 29.8 W/kg

SAR(1 g) = 14 mW/g; SAR(10 g) = 6.44 mW/g

Maximum value of SAR (measured) = 15.9 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; $\sigma = 1.97$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(6.91, 6.91, 6.91); Calibrated: 2010-12-13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1235; Calibrated: 2010-10-22
- Phantom: SAM2; Type: SAM; Serial: TP-1474
- Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57

Configuration/d=10mm,pin=250mW/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 15.3 mW/g

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

Reference Value = 77.6 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13.9 mW/g; SAR(10 g) = 6.35 mW/g

Maximum value of SAR (measured) = 15.9 mW/g

