



Appendix A. System Check Plots

Table of contents
SystemPerformanceCheck-D1800-ES-Head
SystemPerformanceCheck-D1800-ES-Body

Test Laboratory: HUAWEI SAR Lab

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

Communication System: CW; Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.464$ mho/m; $\epsilon_r = 39.668$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 3/28/2012
- 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) = 10.678 mW/g

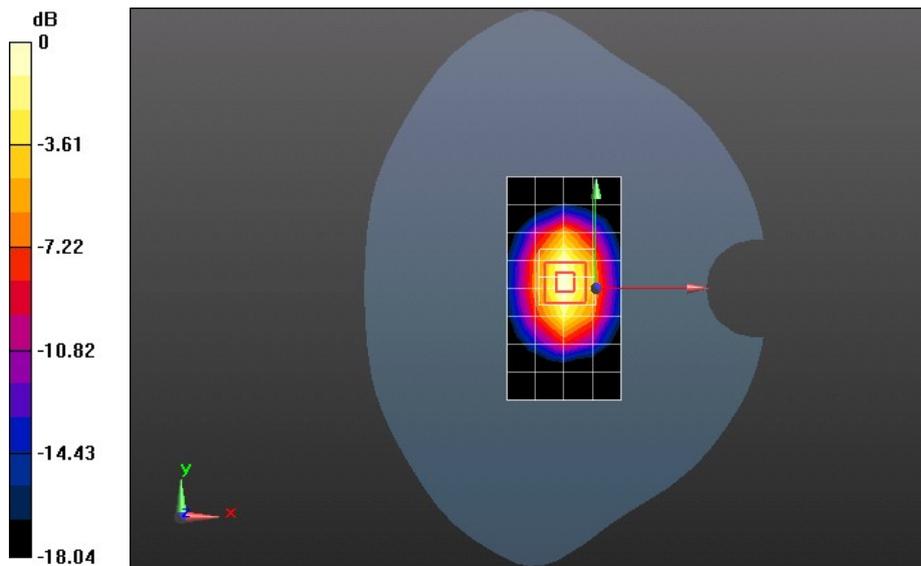
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 86.963 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 18.3440

SAR(1 g) = 9.74 mW/g; SAR(10 g) = 5.02 mW/g

Maximum value of SAR (measured) = 10.898 mW/g



0 dB = 10.900mW/g = 20.75 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; $\sigma = 1.555$ mho/m; $\epsilon_r = 51.453$; $\rho = 1000$ 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 Sn1236; Calibrated: 3/28/2012
- 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) = 11.365 mW/g

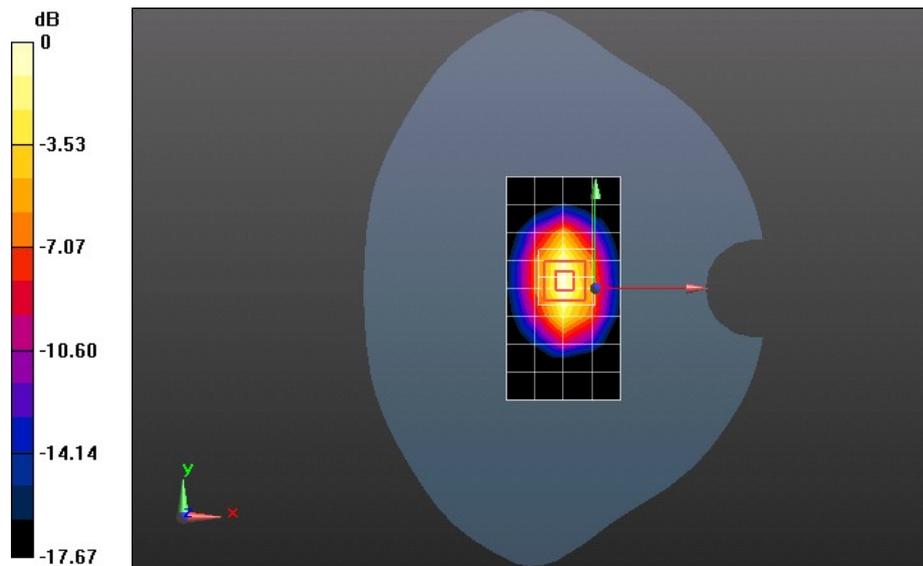
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 86.883 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 19.4380

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.31 mW/g

Maximum value of SAR (measured) = 11.844 mW/g



0 dB = 11.840mW/g = 21.47 dB mW/g