



Appendix A. System Check Plots

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

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; $\sigma = 0.959$ mho/m; $\epsilon_r = 54.252$; $\rho = 1000$ 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 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/d=15mm,pin=250mW/Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.685 mW/g

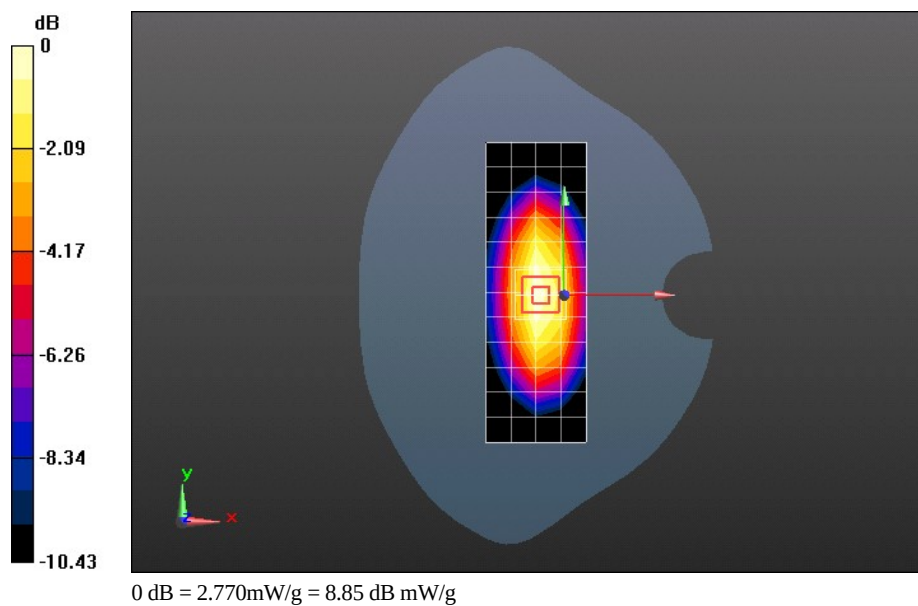
Configuration/d=15mm,pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 53.408 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.8810

SAR(1 g) = 2.56 mW/g; SAR(10 g) = 1.67 mW/g

Maximum value of SAR (measured) = 2.766 mW/g



Test Laboratory: HUAWEI SAR Lab

SystemPerformanceCheck-D1900-ES-Body

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

Communication System: CW; Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.567$ mho/m; $\epsilon_r = 52.901$; $\rho = 1000$ 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 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM1; Serial: TP-1475
- 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) = 9.044 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 = 79.644 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 20.1990

SAR(1 g) = 10.9 mW/g; SAR(10 g) = 5.6 mW/g

Maximum value of SAR (measured) = 12.364 mW/g

