

Appendix A. System Check Plots

Table of contents
SystemPerformanceCheck-D835-EX-Body-SN 7350
SystemPerformanceCheck-D835-EX-Body-SN 3744
SystemPerformanceCheck-D1900-EX-Body-SN 7350

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Body-7350

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d126

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 56.863$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(9.42, 9.42, 9.42); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 2.71 W/kg

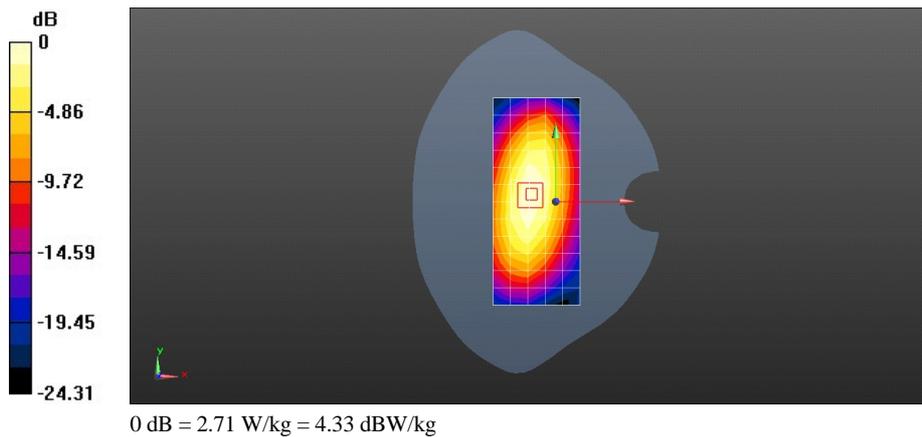
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 48.78 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 2.62 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Body-3744

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d126

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 56.863$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(8.82, 8.82, 8.82); Calibrated: 2015-7-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 2.39 W/kg

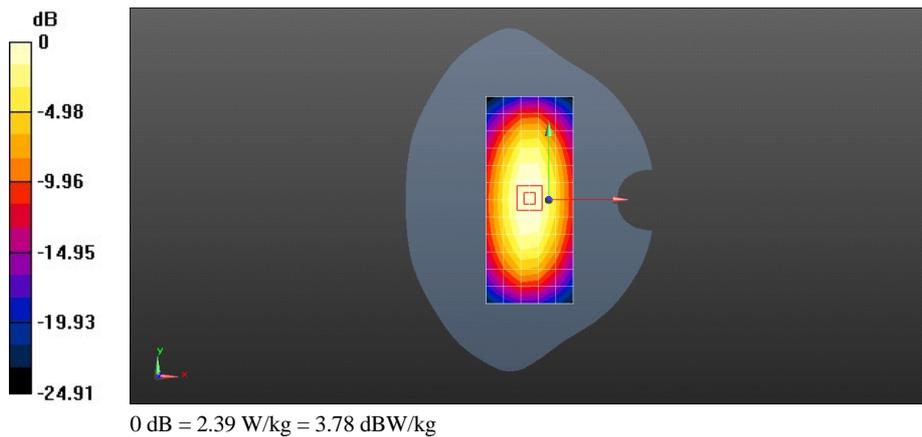
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 50.99 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.55 W/kg

Maximum value of SAR (measured) = 2.79 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Body-7350

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

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 51.358$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.82, 7.82, 7.82); Calibrated: 2015-1-8;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM2; Type: SAM; Serial: TP:1474
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 10.7 W/kg

Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 85.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.71 W/kg

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

