



Appendix A. System Check Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-ES-Head

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d059

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 41.976$; $\rho = 1000$ kg/m³

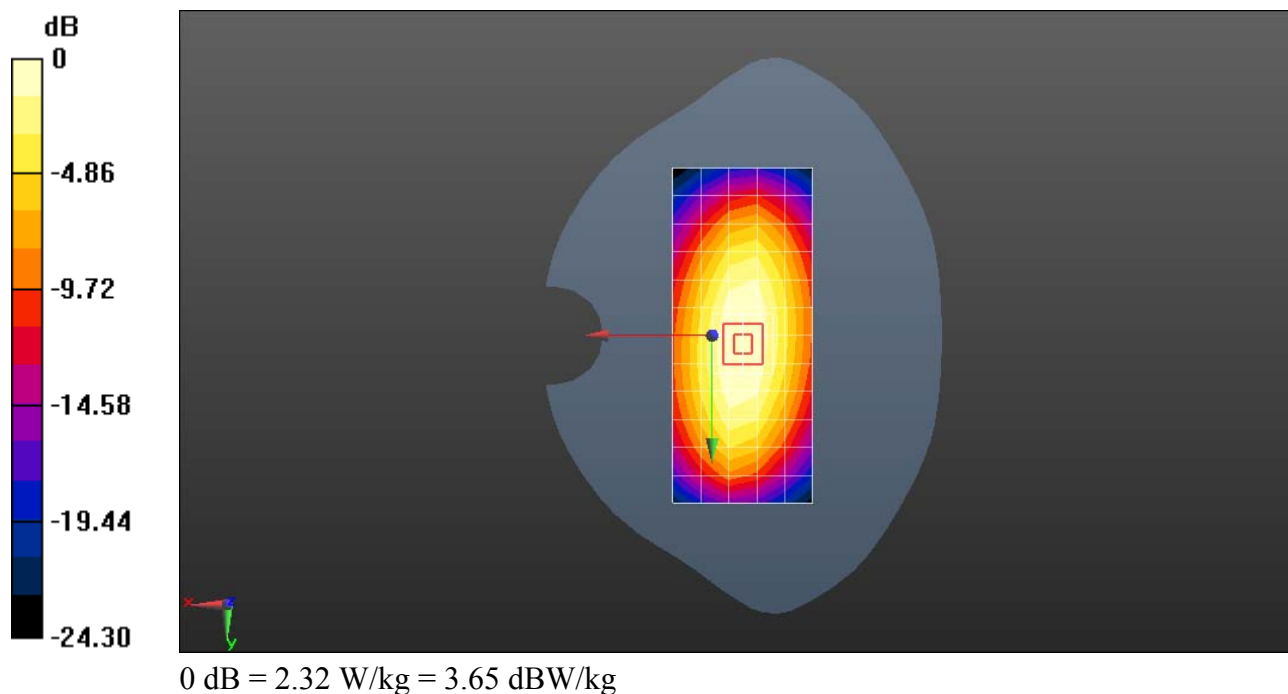
Phantom section: Flat Section

DASY Configuration:

- ζ Probe: ES3DV3 - SN3168; ConvF(6.32, 6.32, 6.32); Calibrated: 2015-9-28;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ζ DASY52 52.8.8(1222);

Configuration/d=15mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 2.32 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 = 53.63 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.51 W/kg
Maximum value of SAR (measured) = 2.74 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Body

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d059

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.989$ S/m; $\epsilon_r = 54.292$; $\rho = 1000$ kg/m³

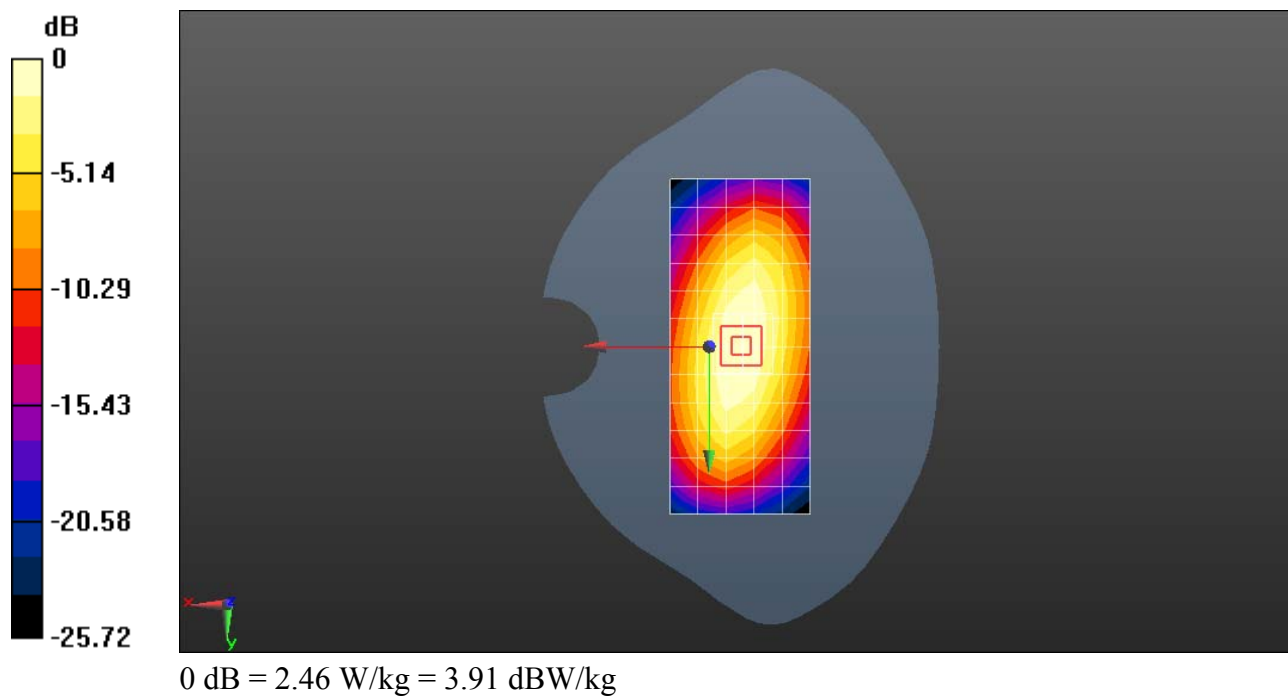
Phantom section: Flat Section

DASY Configuration:

- ζ Probe: EX3DV4 - SN3736; ConvF(8.76, 8.76, 8.76); Calibrated: 2015-4-30;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ζ DASY52 52.8.8(1222);

Configuration/d=15mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 2.46 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 = 51.37 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.56 W/kg
SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.57 W/kg
Maximum value of SAR (measured) = 2.81 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-ES-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.916$; $\rho = 1000$ kg/m³

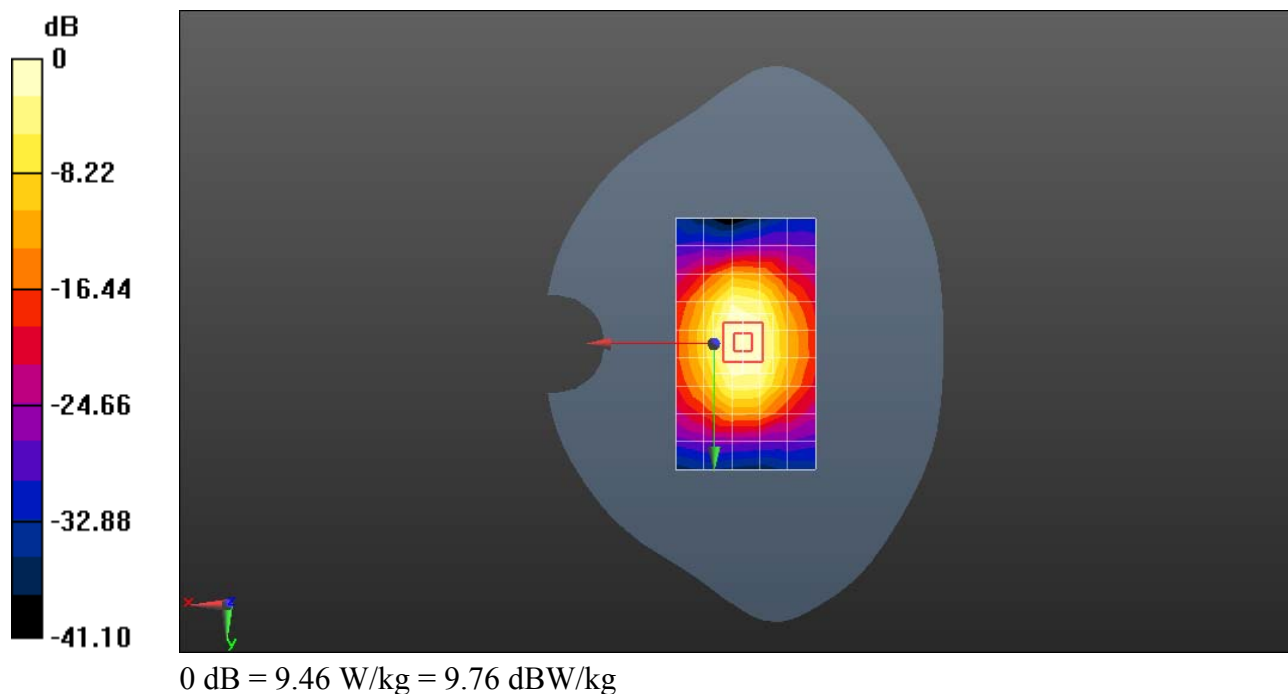
Phantom section: Flat Section

DASY Configuration:

- ζ Probe: ES3DV3 - SN3168; ConvF(5.13, 5.13, 5.13); Calibrated: 2015-9-28;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM2; Type: SAM; Serial: TP:1474
- ζ DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 9.46 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 = 90.30 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.29 W/kg
Maximum value of SAR (measured) = 13.0 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-ES-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d091

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.53$ S/m; $\epsilon_r = 51.724$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ζ Probe: ES3DV3 - SN3168; ConvF(4.74, 4.74, 4.74); Calibrated: 2015-9-28;
- ζ Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: SAM1; Type: SAM; Serial: TP-1475
- ζ DASY52 52.8.8(1222);

Configuration/d=10mm pin=250mW/Area Scan (6x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 8.55 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 = 90.98 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.6 W/kg
Maximum value of SAR (measured) = 13.6 W/kg

