



Appendix A. System Check Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

System Performance Check-D750-EX-Head

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1078

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 750$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.533$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.44, 9.44, 9.44); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=15mm, Pin=250mW/Area Scan (6x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.29 W/kg

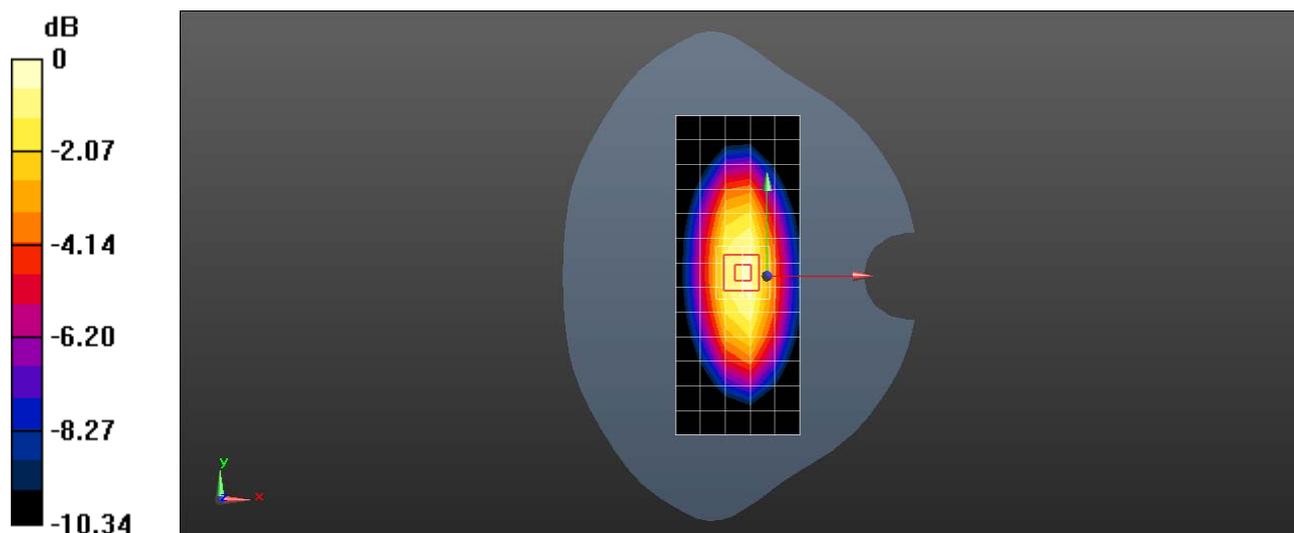
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 50.83 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.4 W/kg

Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.50 W/kg = 3.98 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

System Performance Check-D750-EX-Body

DUT: Dipole 750 MHz D750V3; Type: D750V3; Serial: D750V3 - SN:1078

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.502$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.62, 9.62, 9.62); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=15mm, Pin=250mW/Area Scan (6x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.36 W/kg

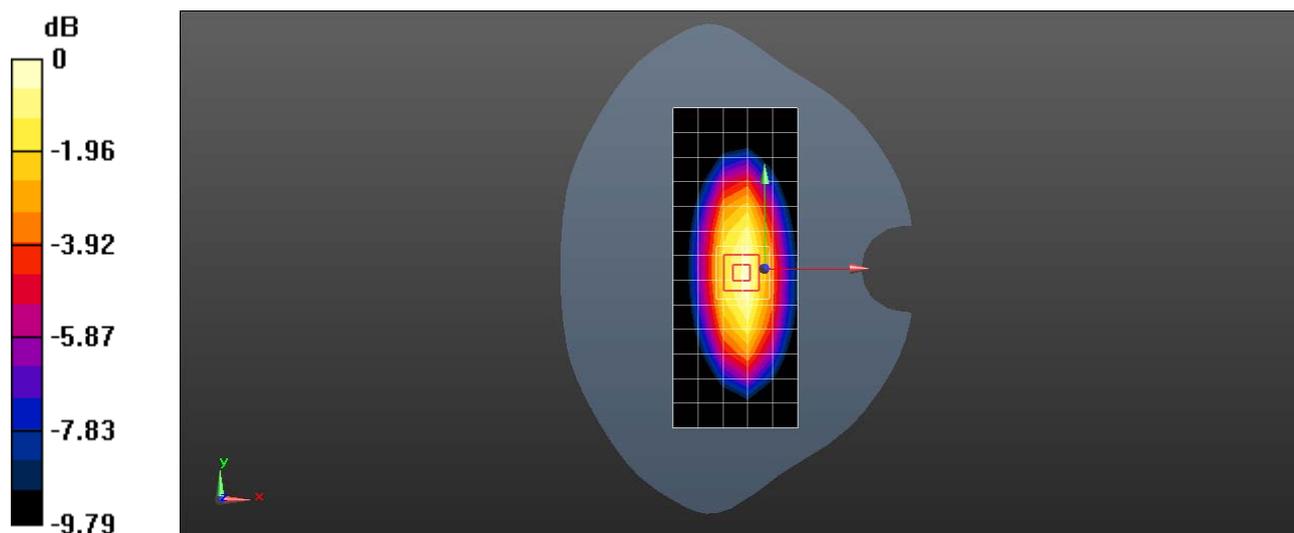
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 51.18 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.47 W/kg



0 dB = 2.47 W/kg = 3.93 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

System Performance Check-D835-EX-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; $\sigma = 0.913$ S/m; $\epsilon_r = 41.414$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.98, 8.98, 8.98); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε 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) = 2.73 W/kg

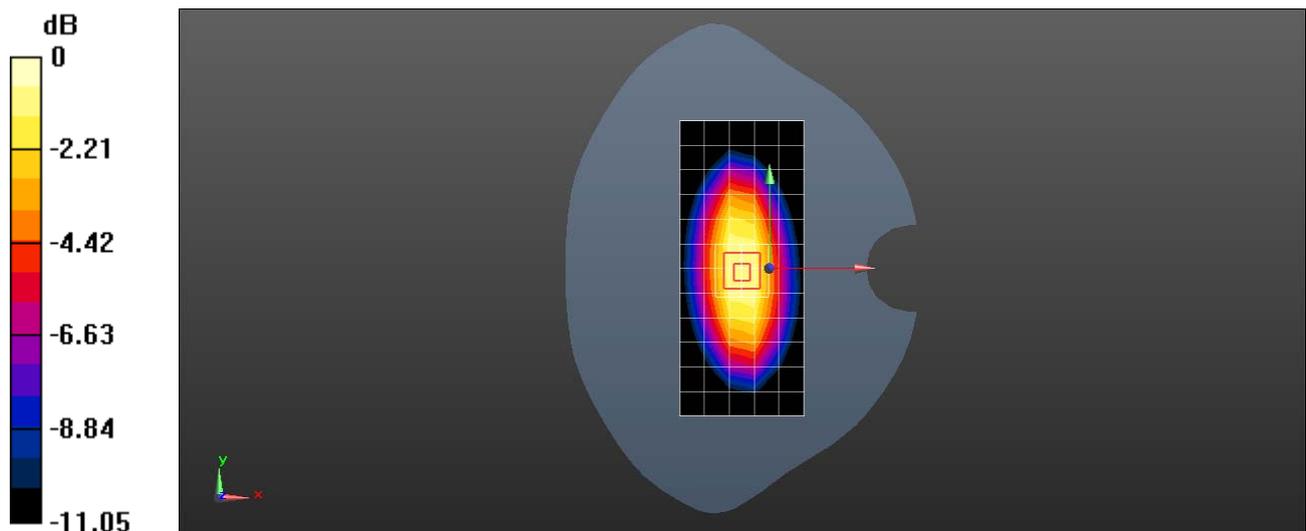
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 53.32 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 3.23 W/kg



0 dB = 3.23 W/kg = 5.09 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

System Performance Check-D835-EX-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; $\sigma = 0.929$ S/m; $\epsilon_r = 41.335$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.98, 8.98, 8.98); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε 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) = 2.85 W/kg

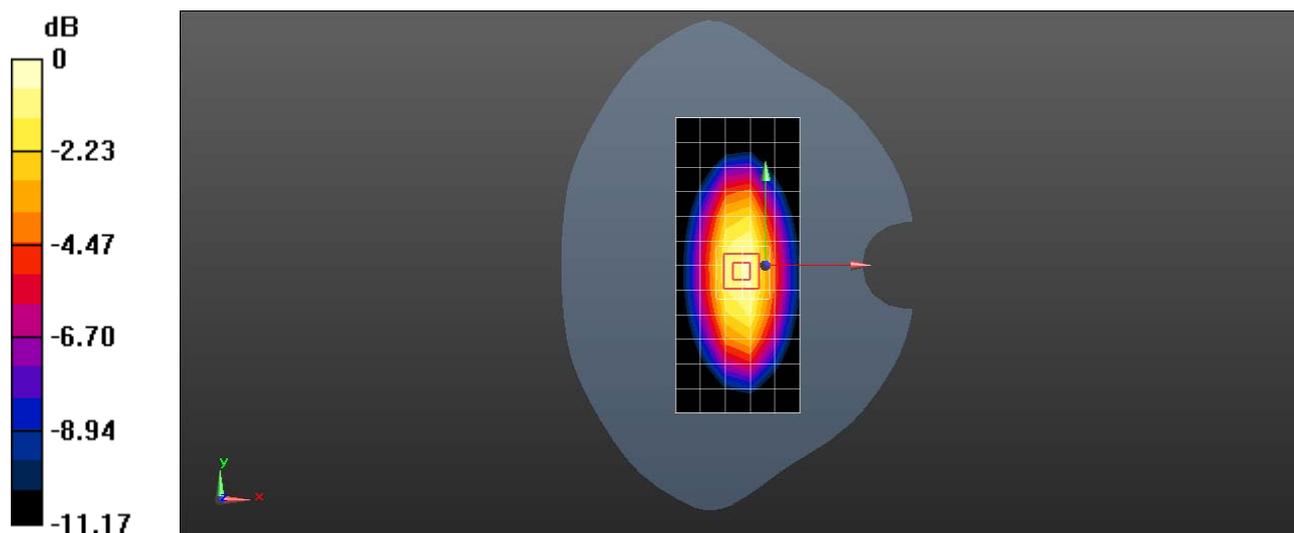
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 51.81 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 3.17 W/kg



0 dB = 3.17 W/kg = 5.01 dBW/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; $\sigma = 0.971$ S/m; $\epsilon_r = 53.653$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 2.69 W/kg

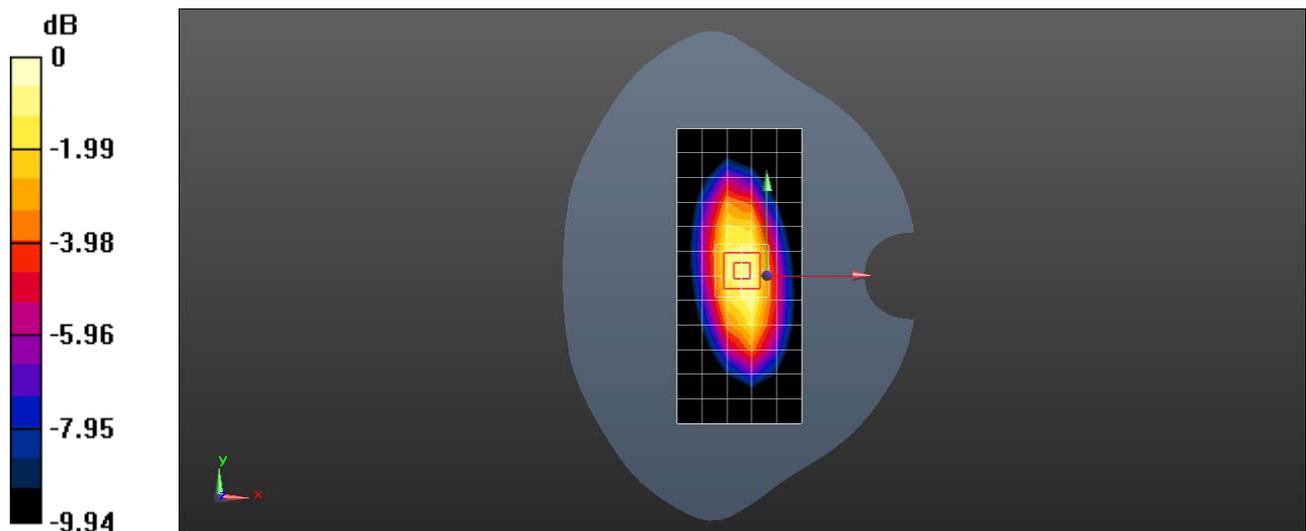
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 50.48 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.01 W/kg = 4.79 dBW/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; $\sigma = 0.962$ S/m; $\epsilon_r = 53.413$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(9.28, 9.28, 9.28); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 3.01 W/kg

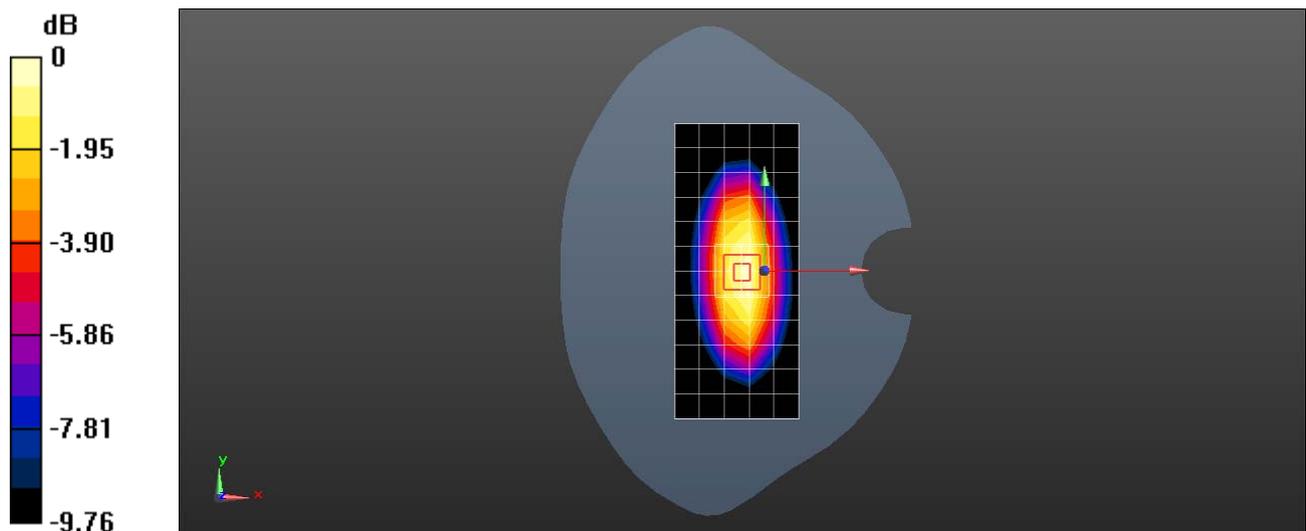
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 52.87 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.50 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.67 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.18 W/kg = 5.02 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Head

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 38.797$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(8.32, 8.32, 8.32); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM3; Type: SAM; Serial: TP-1597
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=250mW/Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 11.0 W/kg

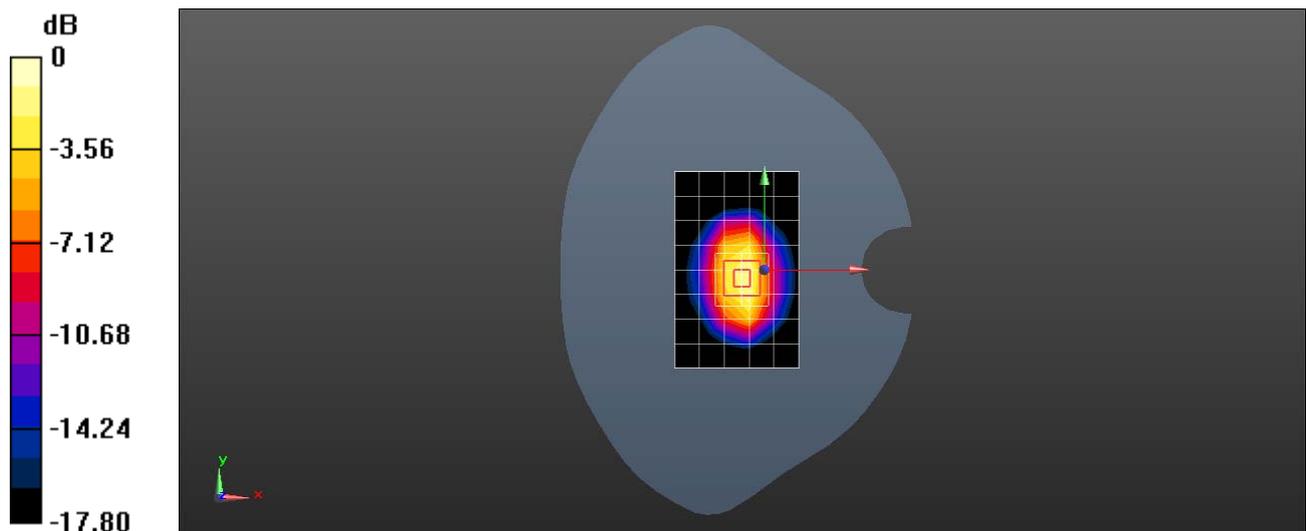
Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 86.08 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 8.72 W/kg; SAR(10 g) = 4.58 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Head

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.356$ S/m; $\epsilon_r = 39.027$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(8.37, 8.37, 8.37); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 9.42 W/kg

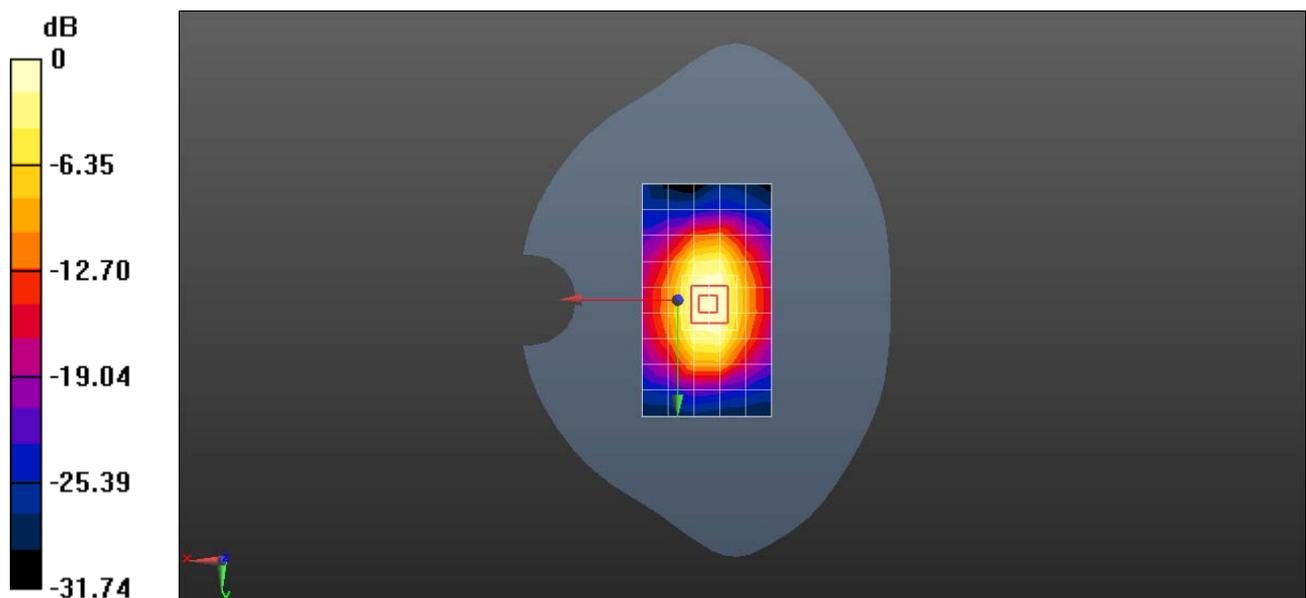
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 103.6 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 9 W/kg; SAR(10 g) = 4.78 W/kg

Maximum value of SAR (measured) = 14.0 W/kg



0 dB = 9.42 W/kg = 9.74 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.438$ S/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.93, 7.93, 7.93); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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

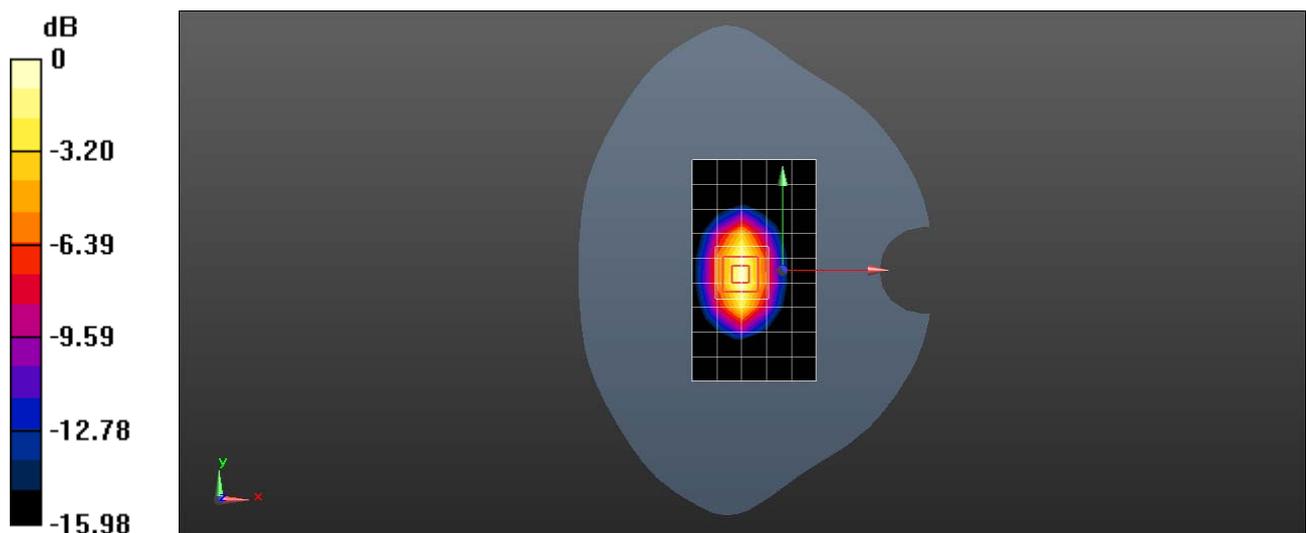
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 71.03 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 8.77 W/kg; SAR(10 g) = 4.7 W/kg

Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 11.0 W/kg = 10.41 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 52.851$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(8.08, 8.08, 8.08); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 9.65 W/kg

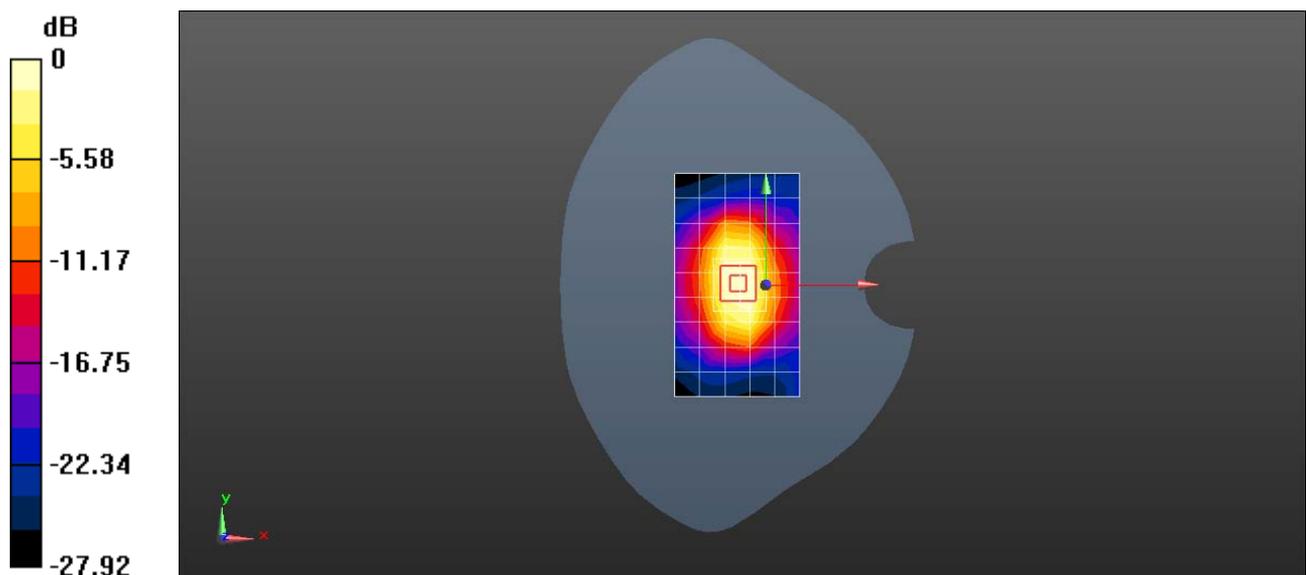
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.4 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 9.32 W/kg; SAR(10 g) = 4.93 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 9.65 W/kg = 9.85 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.428$ S/m; $\epsilon_r = 53.17$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.93, 7.93, 7.93); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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

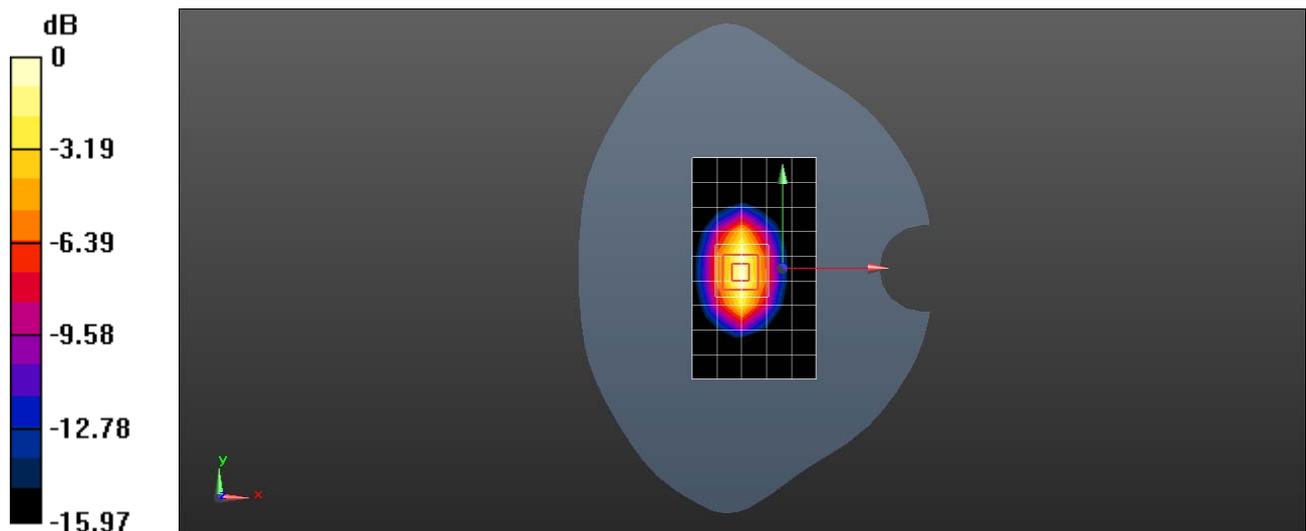
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 71.03 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 8.72 W/kg; SAR(10 g) = 4.67 W/kg

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 51.425$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3744; ConvF(7.93, 7.93, 7.93); Calibrated: 2017-7-24;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn852; Calibrated: 2017-4-27
- ε Phantom: SAM4; Type: SAM; Serial: TP-1620
- ε 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) = 11.2 W/kg

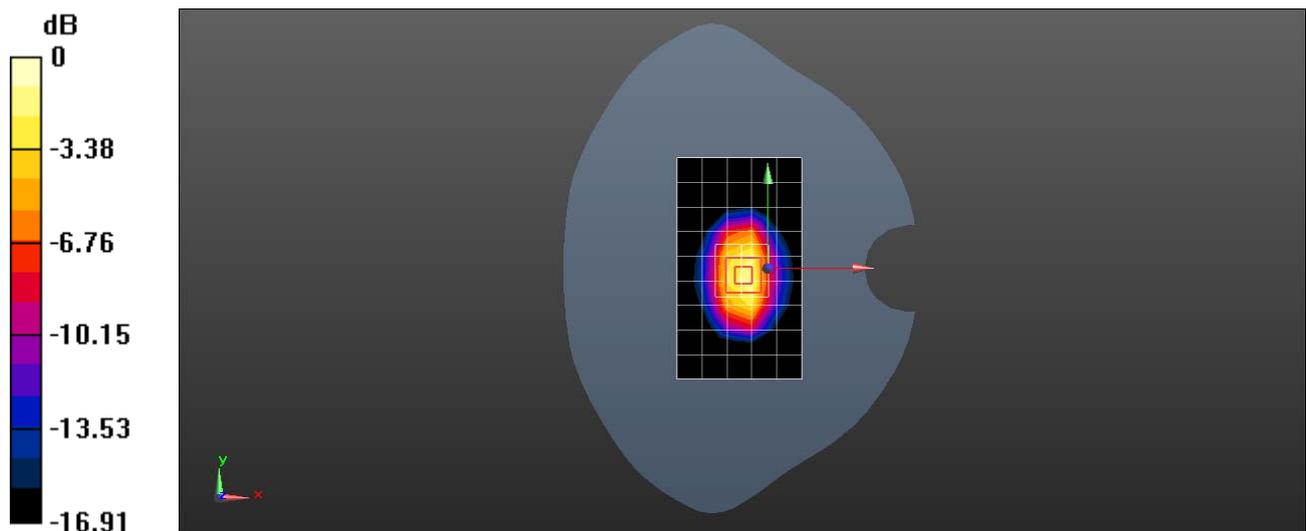
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 82.41 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 9.43 W/kg; SAR(10 g) = 5.05 W/kg

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg = 11.58 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-ES-Body

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: D1750V2 - SN:1123

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 51.225$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.18, 5.18, 5.18); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 8.27 W/kg

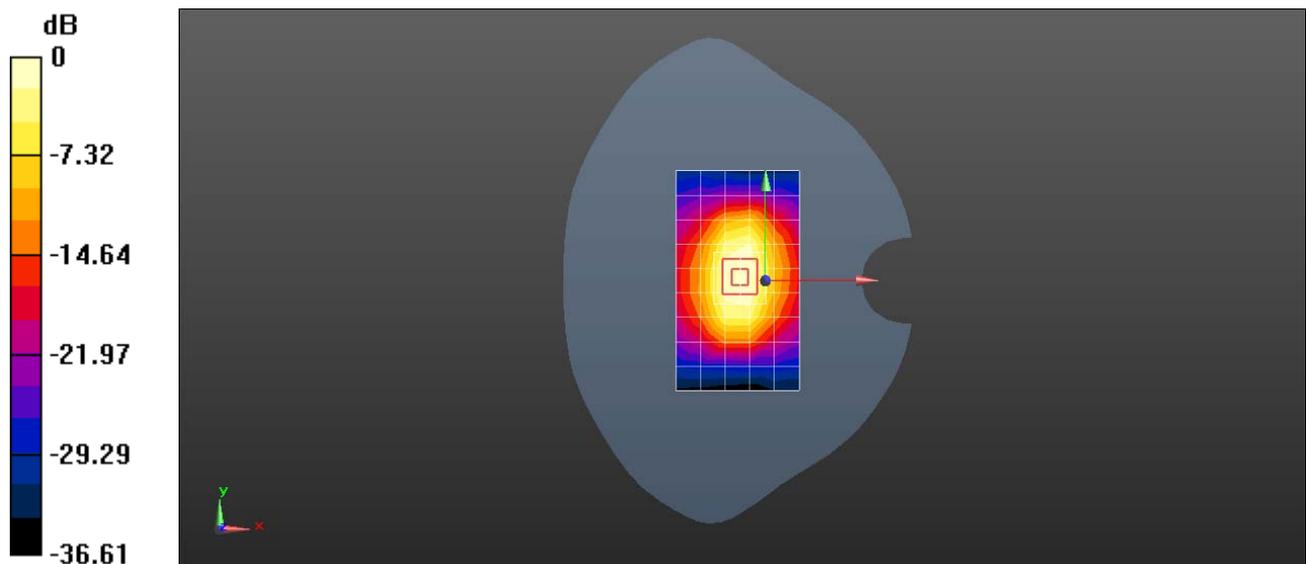
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 90.91 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 8.97 W/kg; SAR(10 g) = 4.76 W/kg

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 8.27 W/kg = 9.18 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 39.227$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.94, 7.94, 7.94); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 14.3 W/kg

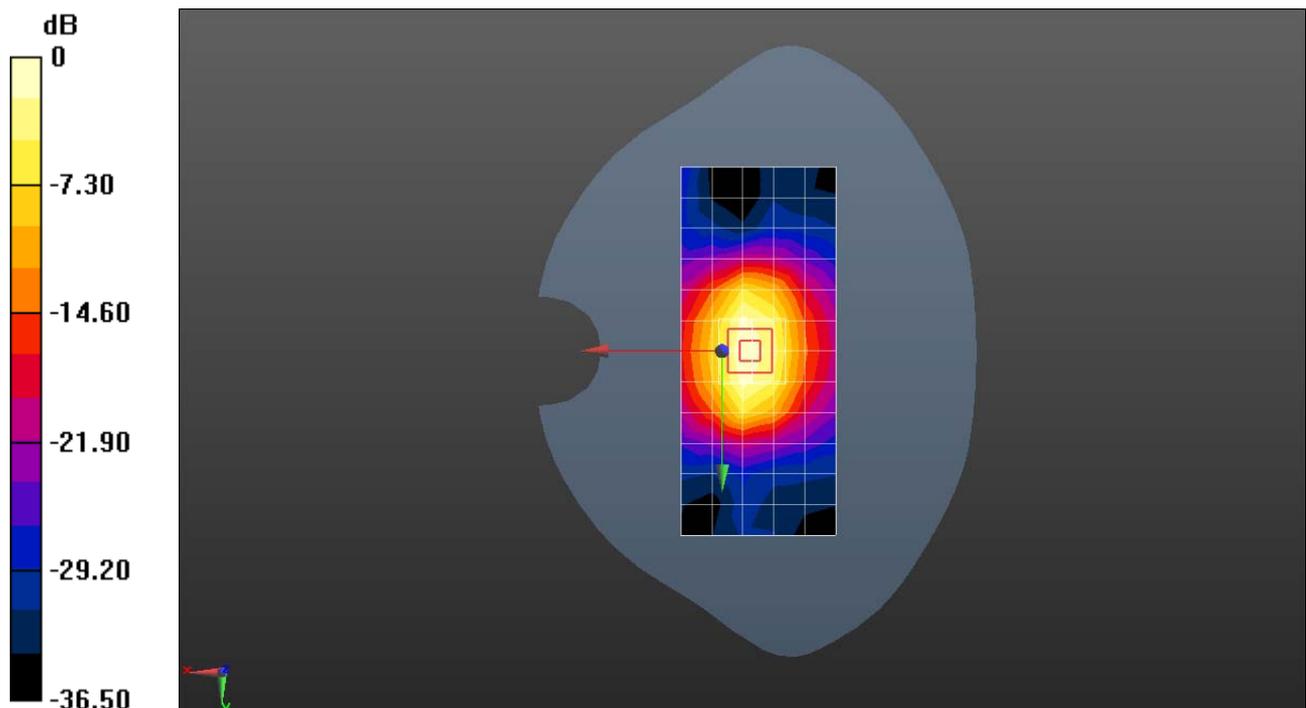
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 106.5 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.29 W/kg

Maximum value of SAR (measured) = 16.0 W/kg



0 dB = 14.3 W/kg = 11.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.436$ S/m; $\epsilon_r = 38.998$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.94, 7.94, 7.94); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 13.2 W/kg

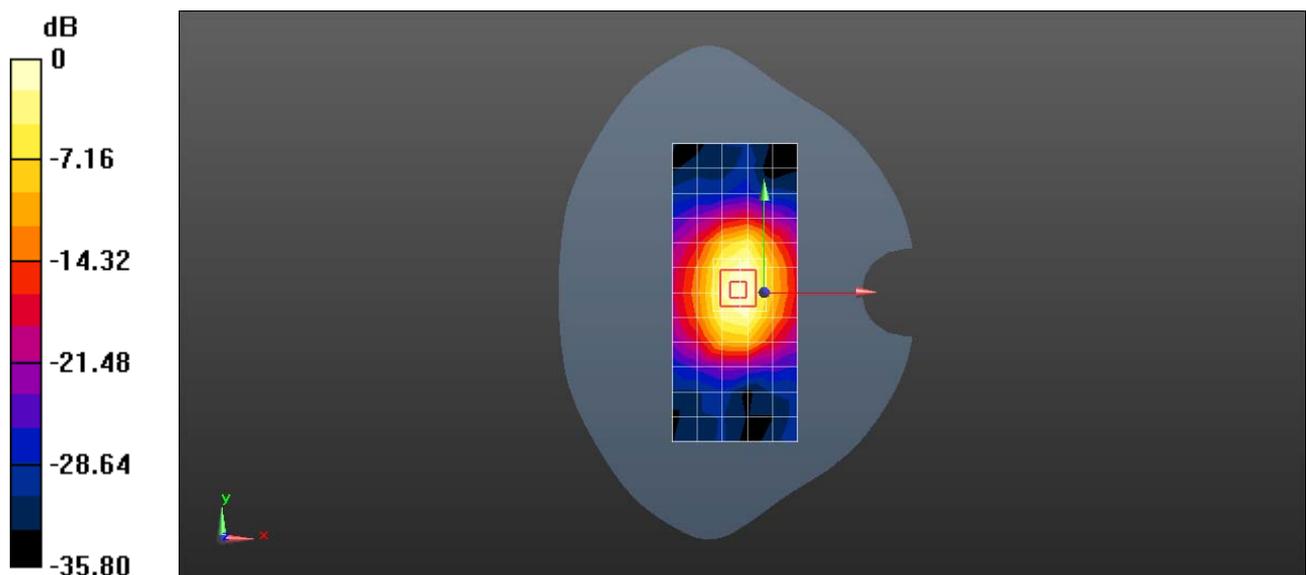
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 108.5 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 19.8 W/kg

SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.42 W/kg

Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-ES-Head

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.441$ S/m; $\epsilon_r = 41.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017-9-25
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε 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) = 9.44 W/kg

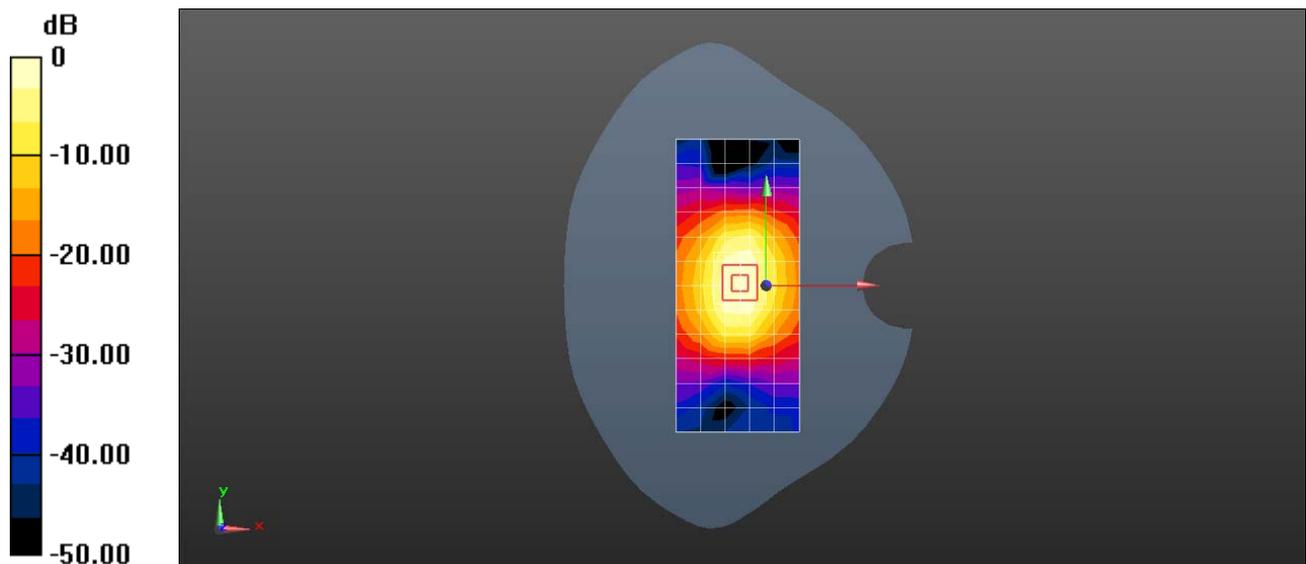
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.84 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.11 W/kg

Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 9.44 W/kg = 9.75 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

System Performance Check-D1900-EX-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.468$ S/m; $\epsilon_r = 51.26$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.79, 7.79, 7.79); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 10.4 W/kg

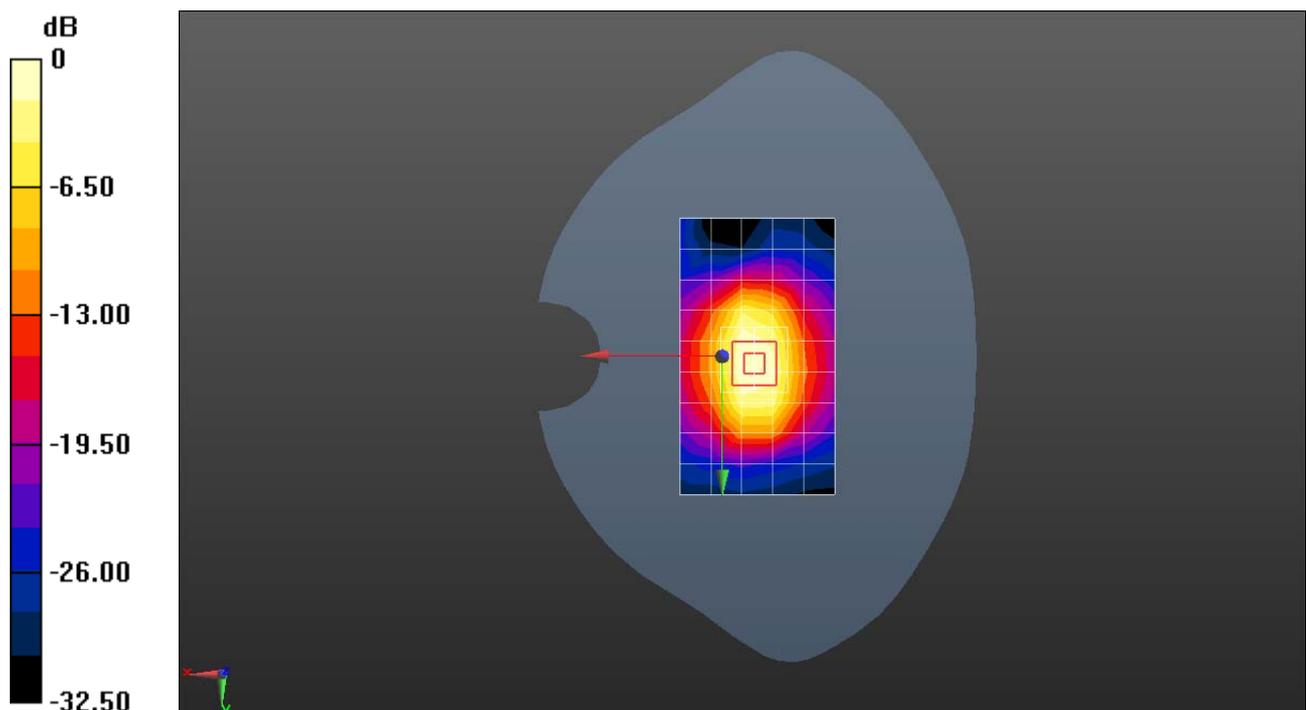
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 84.05 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 4.92 W/kg

Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 10.4 W/kg = 10.17 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.499$ S/m; $\epsilon_r = 52.474$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.79, 7.79, 7.79); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 10.3 W/kg

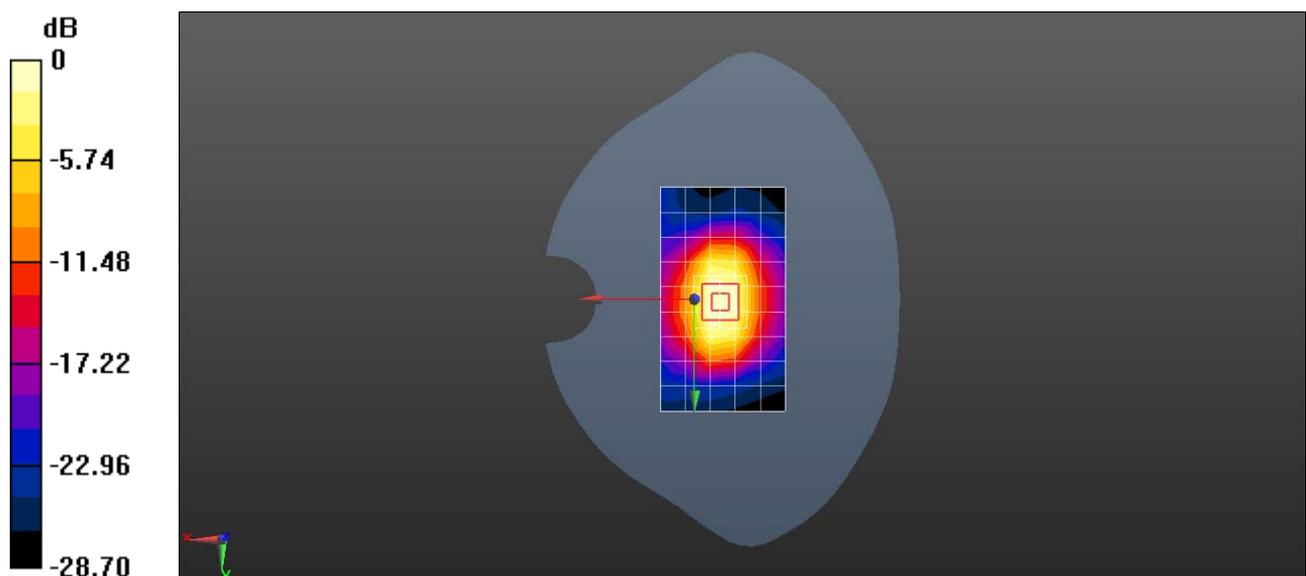
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.7 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.45 W/kg; SAR(10 g) = 4.87 W/kg

Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

System Performance Check-D1900-EX-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 51.394$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.79, 7.79, 7.79); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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) = 11.9 W/kg

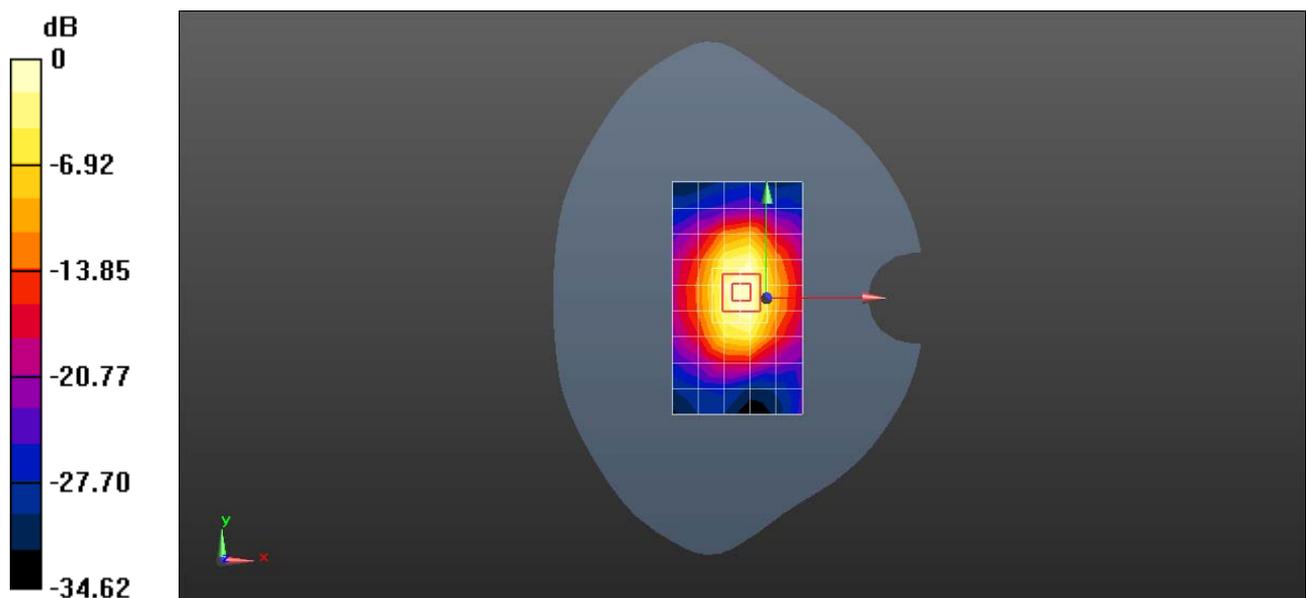
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.9 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 10 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 15.5 W/kg



0 dB = 11.9 W/kg = 10.76 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-ES-Body

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d142

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.534$ S/m; $\epsilon_r = 51.674$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.98, 4.98, 4.98); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε 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

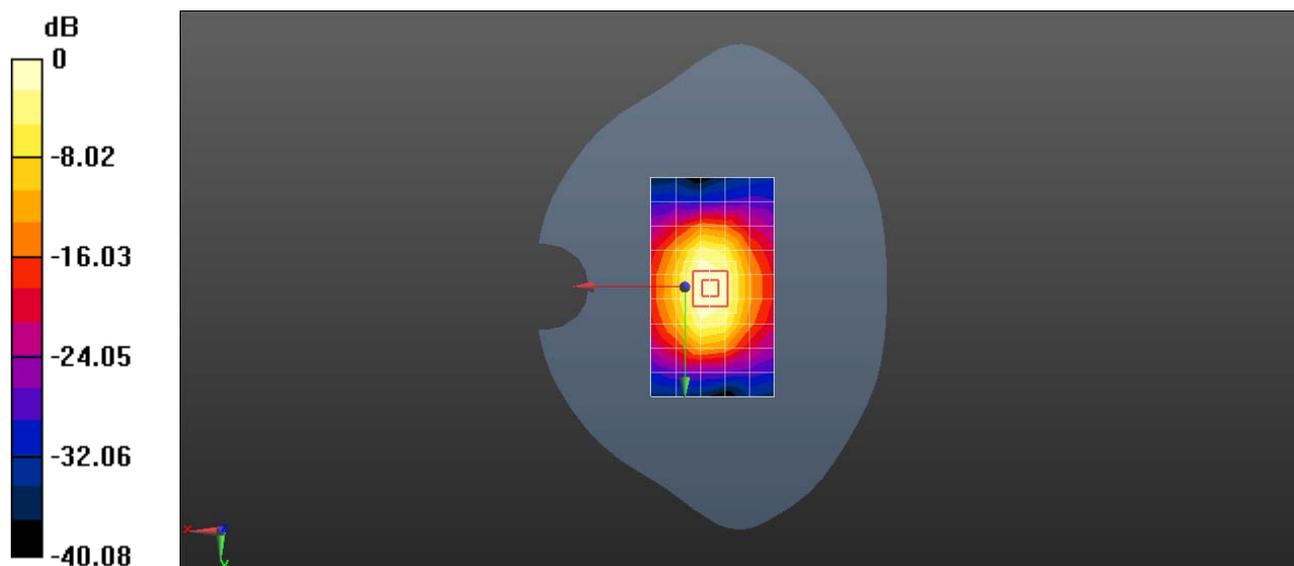
Configuration/d=10mm pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.82 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 9.59 W/kg; SAR(10 g) = 5.09 W/kg

Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-ES-Head

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:860

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 40.613$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.72, 4.72, 4.72); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017-9-25
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 15.4 W/kg

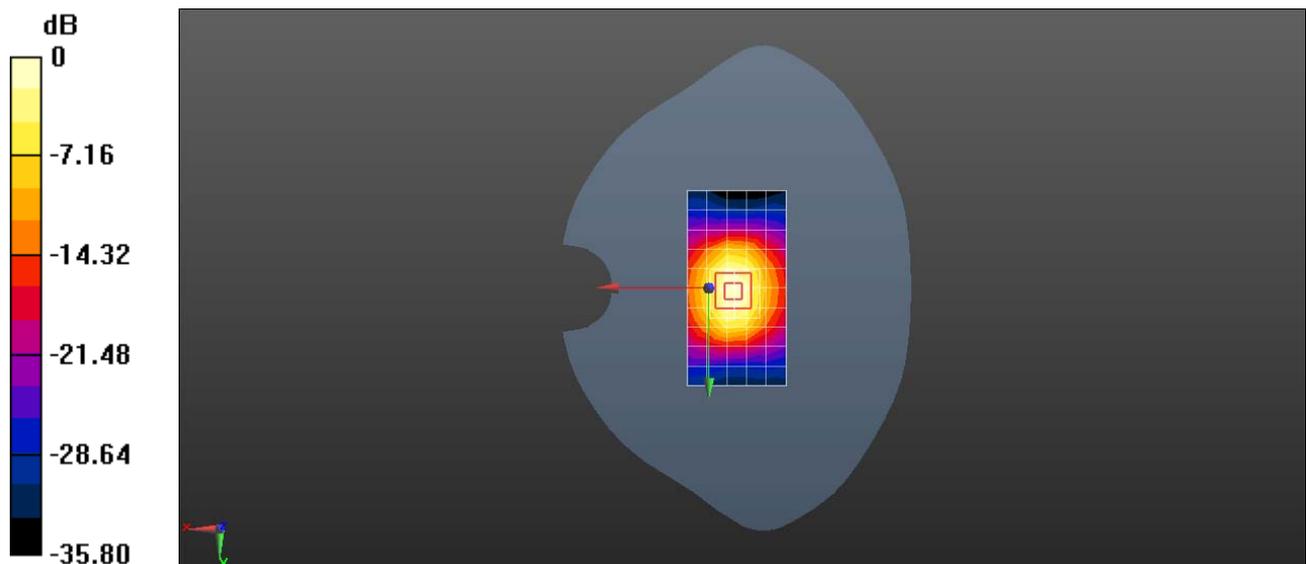
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 103.3 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.03 W/kg

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 15.4 W/kg = 11.88 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-ES-Body

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:860

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.948$ S/m; $\epsilon_r = 54.208$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.59, 4.59, 4.59); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2017-9-25
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=250mW/Area Scan (6x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 13.6 W/kg

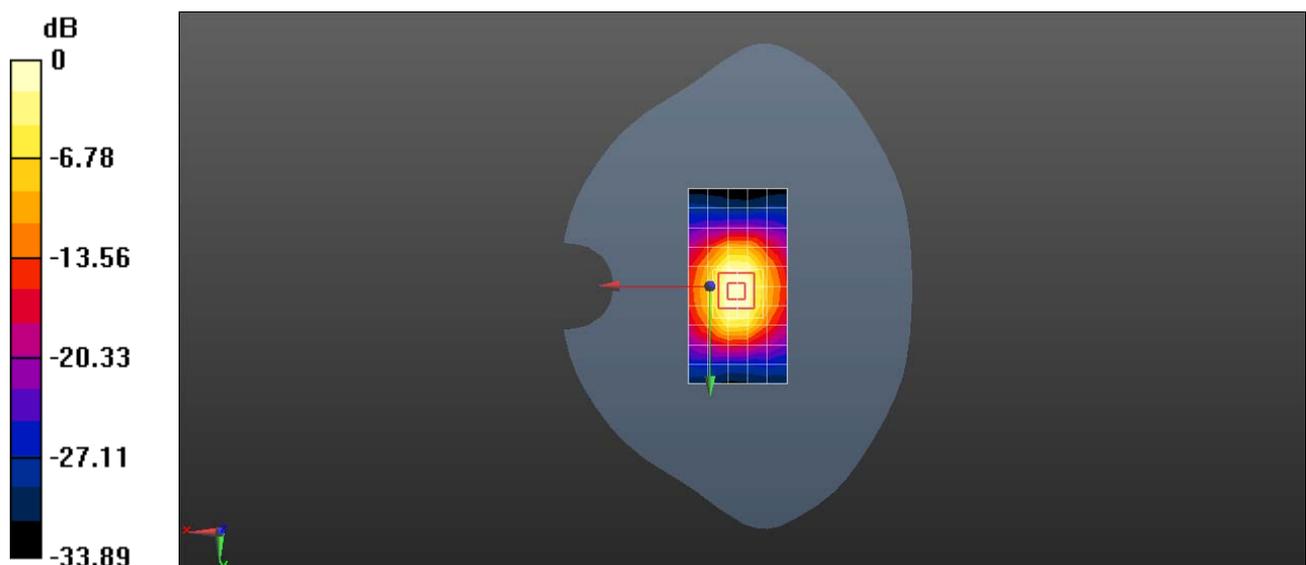
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 99.08 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 26.8 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.22 W/kg

Maximum value of SAR (measured) = 17.4 W/kg



0 dB = 13.6 W/kg = 11.34 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Head

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1021

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.996$ S/m; $\epsilon_r = 39.075$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.31, 7.31, 7.31); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM1; Type: SAM; Serial: TP-1475
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=250mW/Area Scan (8x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 17.0 W/kg

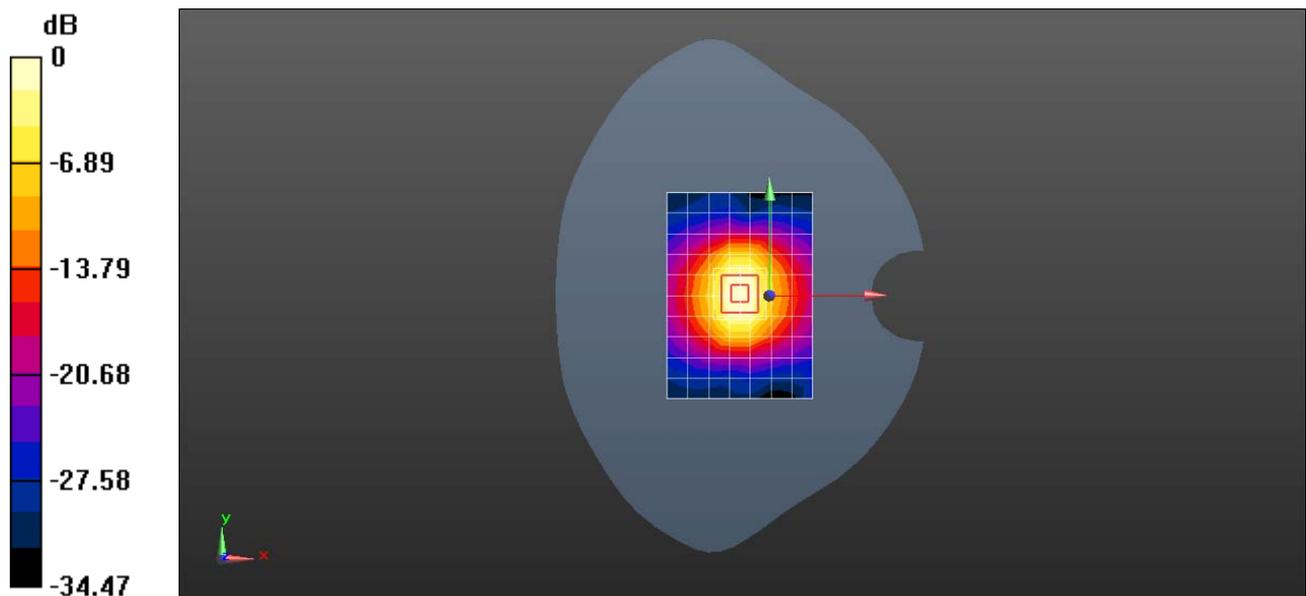
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 114.5 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.22 W/kg

Maximum value of SAR (measured) = 23.4 W/kg



0 dB = 17.0 W/kg = 12.30 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Body

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1021

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.11$ S/m; $\epsilon_r = 50.591$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3578; ConvF(7.27, 7.27, 7.27); Calibrated: 2017-5-5;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=250mW/Area Scan (8x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 18.6 W/kg

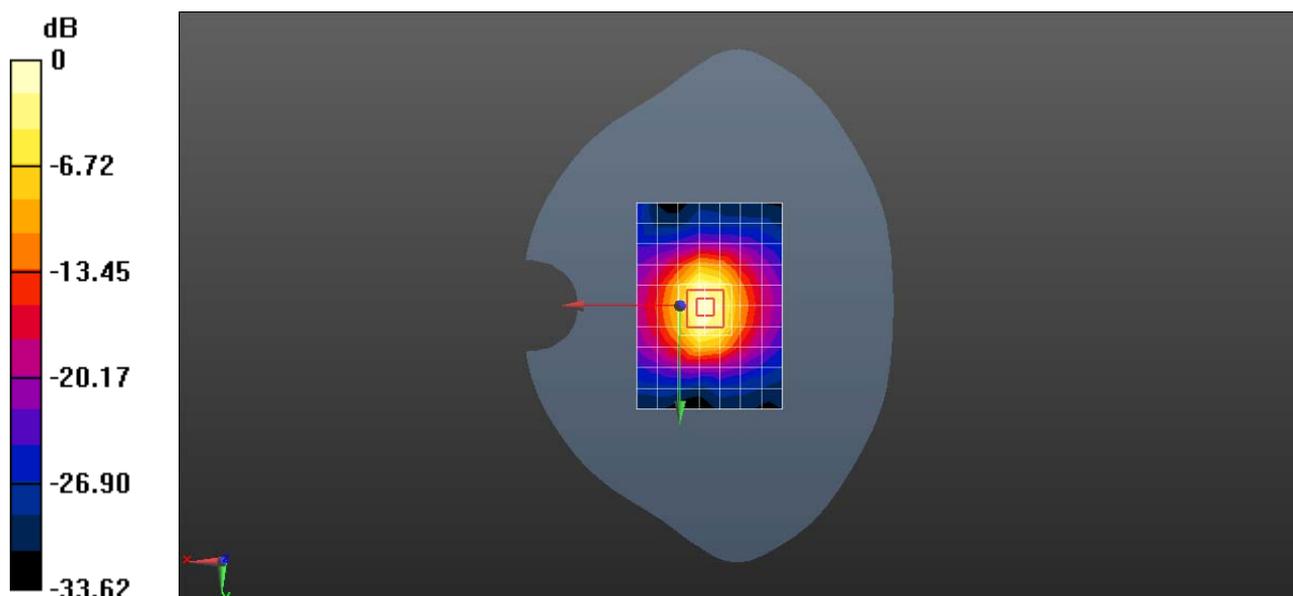
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 105.5 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.82 W/kg

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 18.6 W/kg = 12.70 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Body

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2; Serial: D2600V2 - SN:1021

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.088$ S/m; $\epsilon_r = 51.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- ε Probe: ES3DV3 - SN3168; ConvF(4.31, 4.31, 4.31); Calibrated: 2017-9-28;
- ε Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- ε Electronics: DAE4 Sn1236; Calibrated: 2017-7-21
- ε Phantom: SAM2; Type: SAM; Serial: TP:1474
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=250mW/Area Scan (8x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 13.6 W/kg

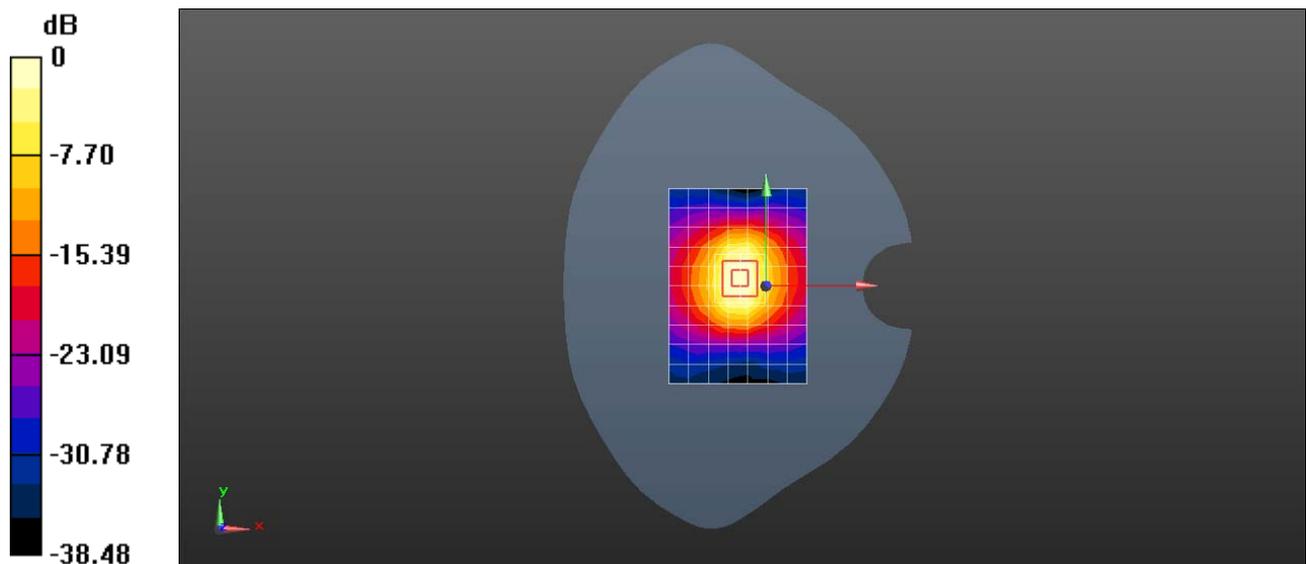
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 93.85 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 30.9 W/kg

SAR(1 g) = 14 W/kg; SAR(10 g) = 6.16 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 13.6 W/kg = 11.34 dBW/kg