

**Appendix A. System Check Plots**

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Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D750-EX-Head

DUT: Dipole; Type: D750V3; Serial: 1044

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 43.051$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(9.77, 9.77, 9.77) @ 750 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn916; Calibrated: 2018-12-12
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 2.81 W/kg

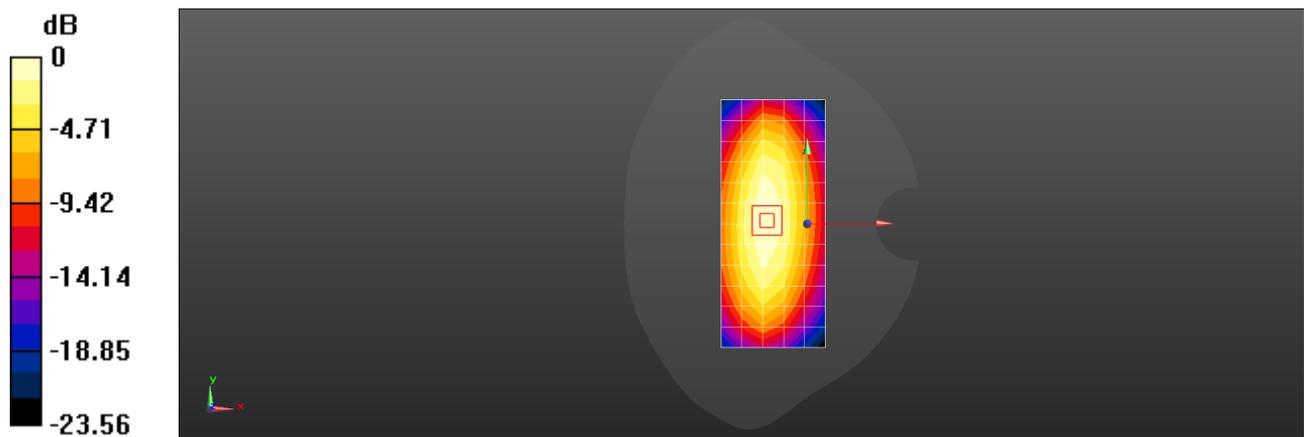
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 56.37 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.4 W/kg

Maximum value of SAR (measured) = 2.84 W/kg



0 dB = 2.81 W/kg = 4.49 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-ES-Head

DUT: Dipole; Type: D835V2; Serial: 4d059

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 41.01$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(6.35, 6.35, 6.35) @ 835 MHz; Calibrated: 2018-09-27
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1492; Calibrated: 2018-11-14
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 2.87 W/kg

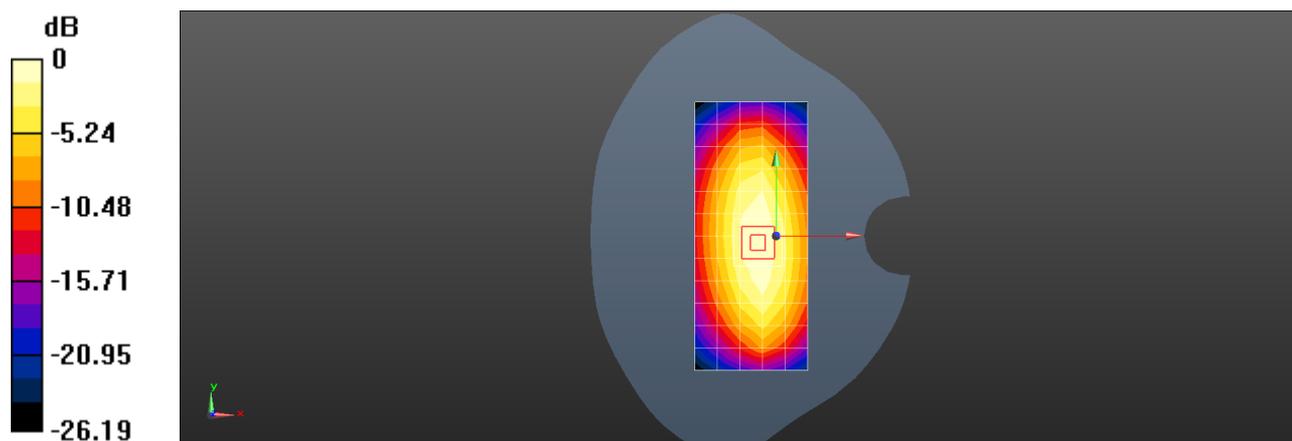
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 55.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.73 W/kg

SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.63 W/kg

Maximum value of SAR (measured) = 2.97 W/kg



0 dB = 2.87 W/kg = 4.57 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Head

DUT: Dipole; Type: D835V2; Serial: 4d059

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 42.881$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(10.28, 10.28, 10.28) @ 835 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 3.00 W/kg

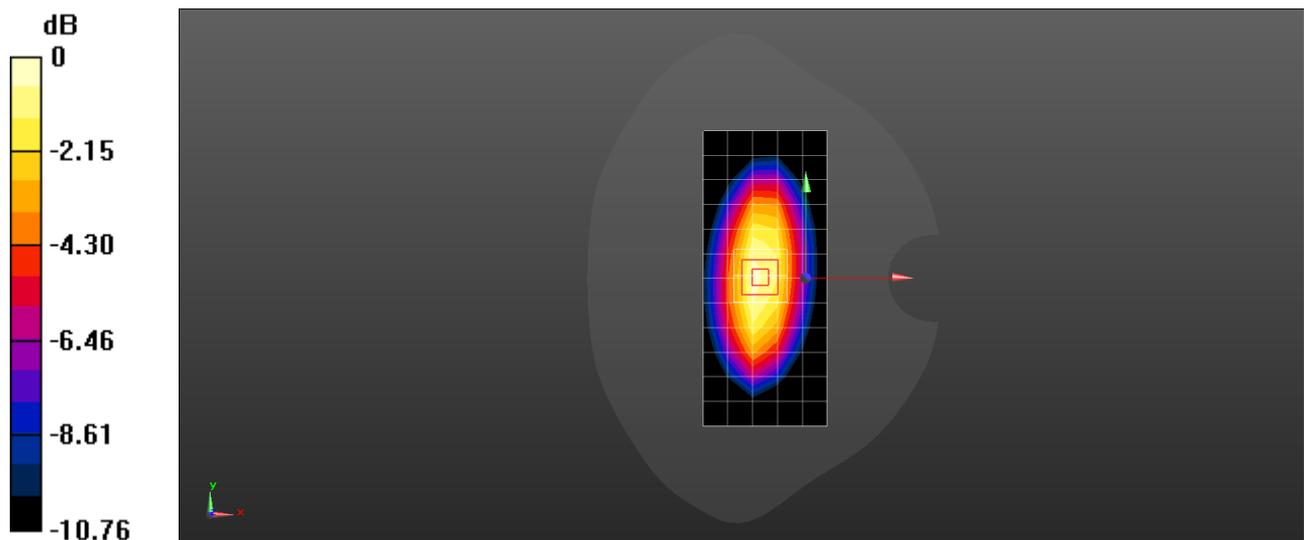
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.22 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.63 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (measured) = 3.25 W/kg



0 dB = 3.25 W/kg = 5.12 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Head

DUT: Dipole; Type: D835V2; Serial: 4d126

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 42.757$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(9.41, 9.41, 9.41) @ 835 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn916; Calibrated: 2018-12-12
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 3.10 W/kg

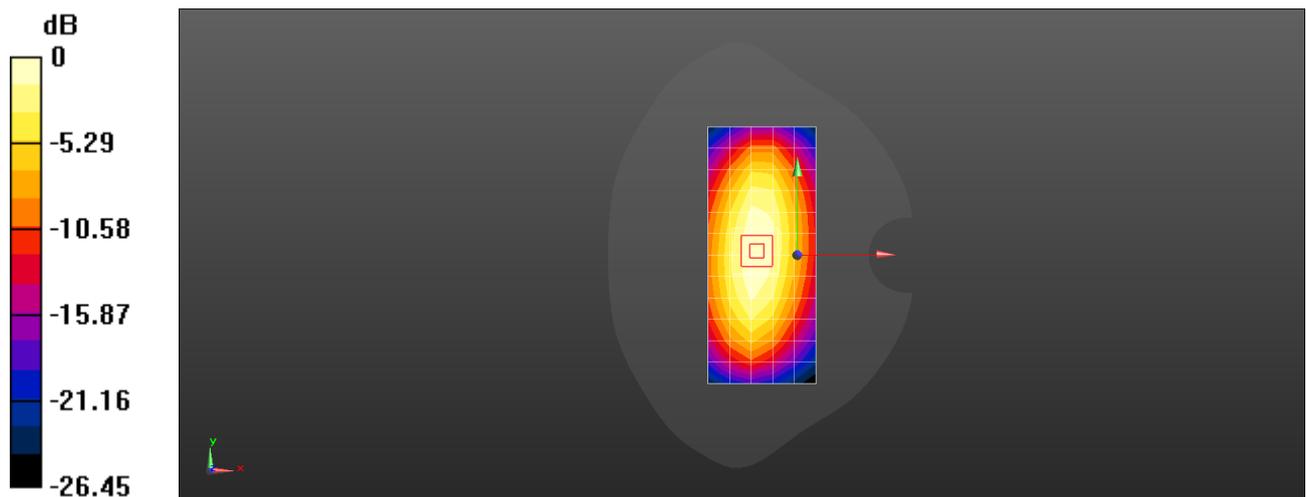
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.47 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.61 W/kg

Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.10 W/kg = 4.91 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Head

DUT: Dipole; Type: D1750V2; Serial: 1145

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 41.778$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(8.83, 8.83, 8.83) @ 1750 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 9.61 W/kg

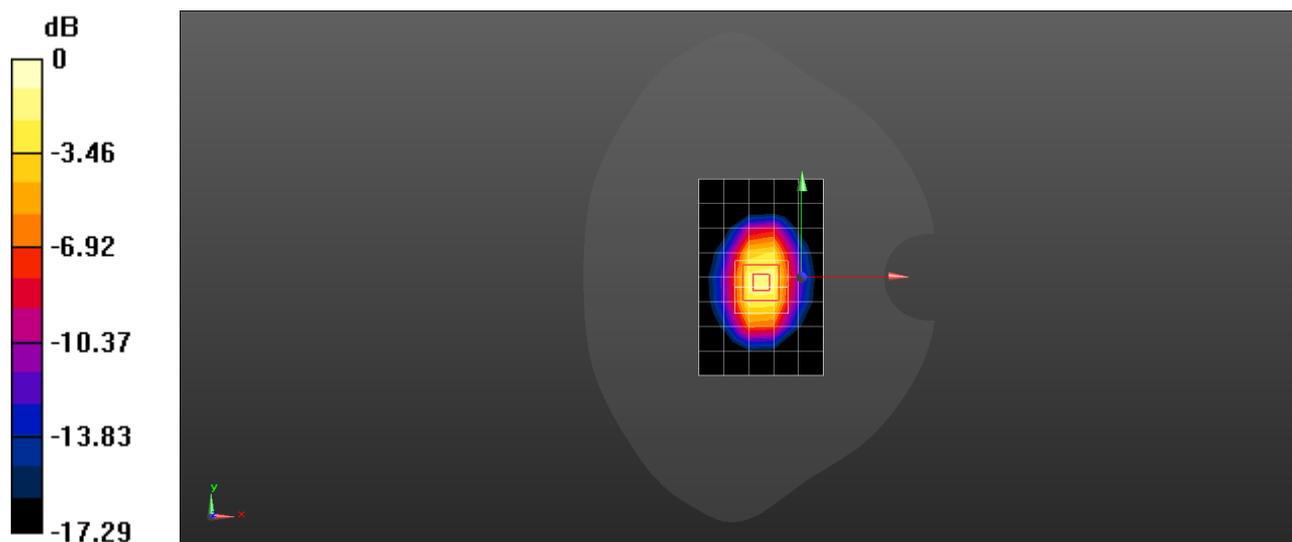
Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 103.5 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 9.16 W/kg; SAR(10 g) = 4.91 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8 W/kg = 11.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Head

DUT: Dipole; Type: D1900V2; Serial: 5d143

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.023$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(7.87, 7.87, 7.87) @ 1900 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn916; Calibrated: 2018-12-12
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 14.3 W/kg

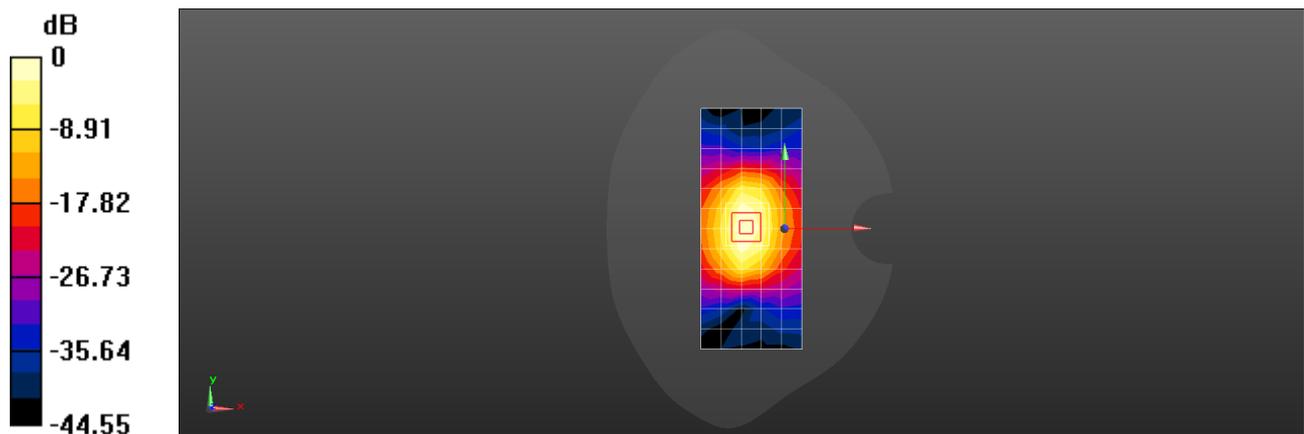
Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 104.8 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 15.8 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Head

DUT: Dipole; Type: D1900V2; Serial: 5d143

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.432$ S/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(7.87, 7.87, 7.87) @ 1900 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn916; Calibrated: 2018-12-12
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

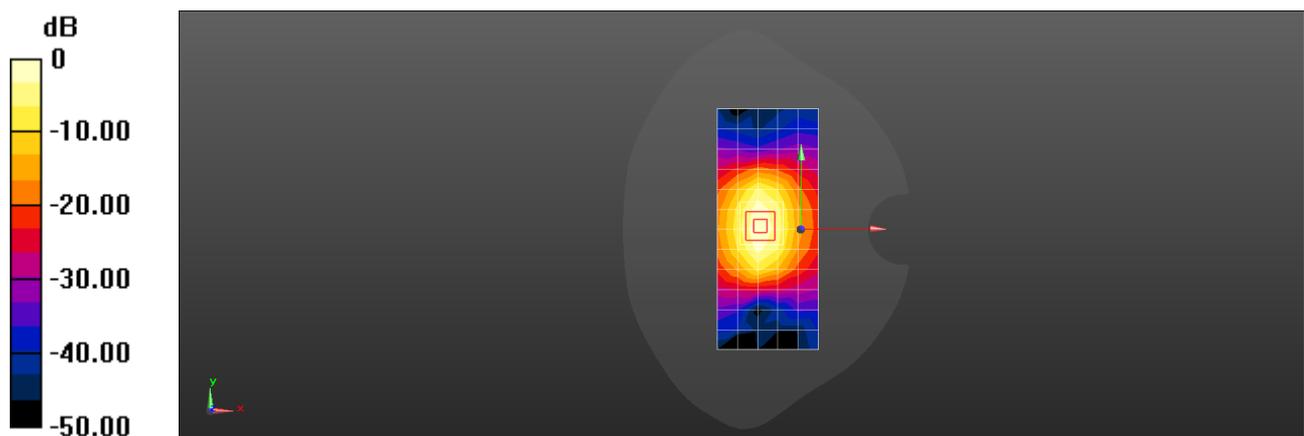
Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.18 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 4.97 W/kg

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



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

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-EX-Head

DUT: Dipole; Type: D2450V2; Serial: 860

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

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.852$ S/m; $\epsilon_r = 39.936$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(8.04, 8.04, 8.04) @ 2450 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 16.8 W/kg

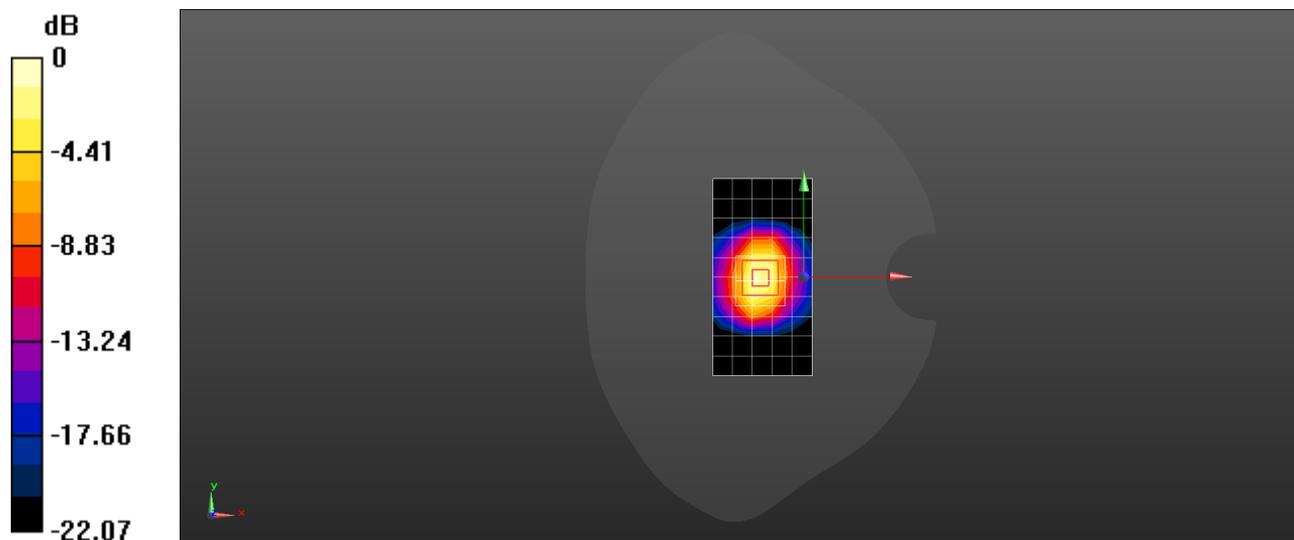
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 110.7 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 25.3 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.87 W/kg

Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg = 13.14 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-EX-Head

DUT: Dipole; Type: D2450V2; Serial: 860

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

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.801$ S/m; $\epsilon_r = 38.725$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(8.04, 8.04, 8.04) @ 2450 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

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

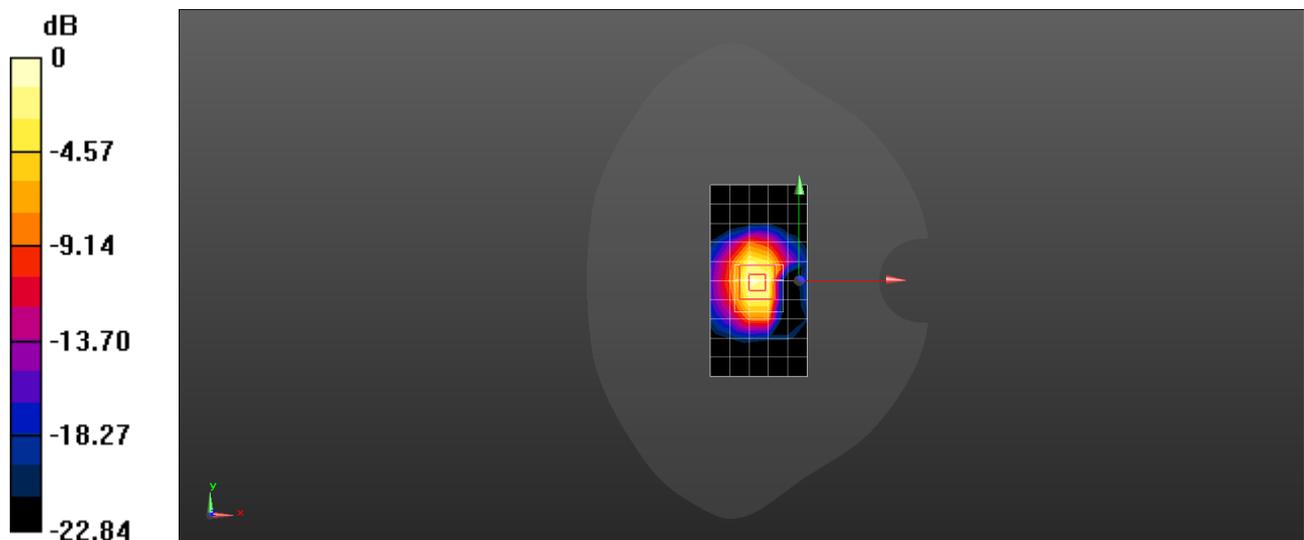
Reference Value = 111.2 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 25.7 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.96 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Head

DUT: Dipole; Type: D2600V2; Serial: 1021

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 37.686$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.57, 4.57, 4.57) @ 2600 MHz; Calibrated: 2018-9-27
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn393; Calibrated: 2018-8-14
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 17.2 W/kg

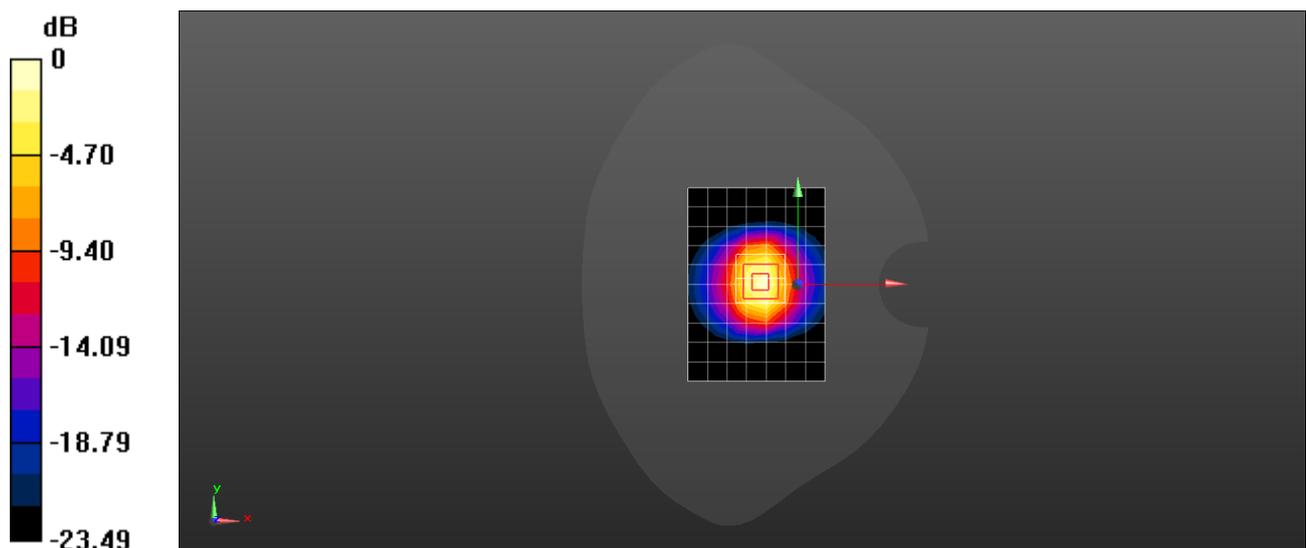
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 101.2 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 30.5 W/kg

SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.46 W/kg

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



0 dB = 18.9 W/kg = 12.76 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Head

DUT: Dipole; Type: D2600V2; Serial: 1021

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.924$ S/m; $\epsilon_r = 38.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(6.96, 6.96, 6.96) @ 2600 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn916; Calibrated: 2018-12-12
- Phantom: SAM8; Type: SAM; Serial: 1940
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 18.7 W/kg

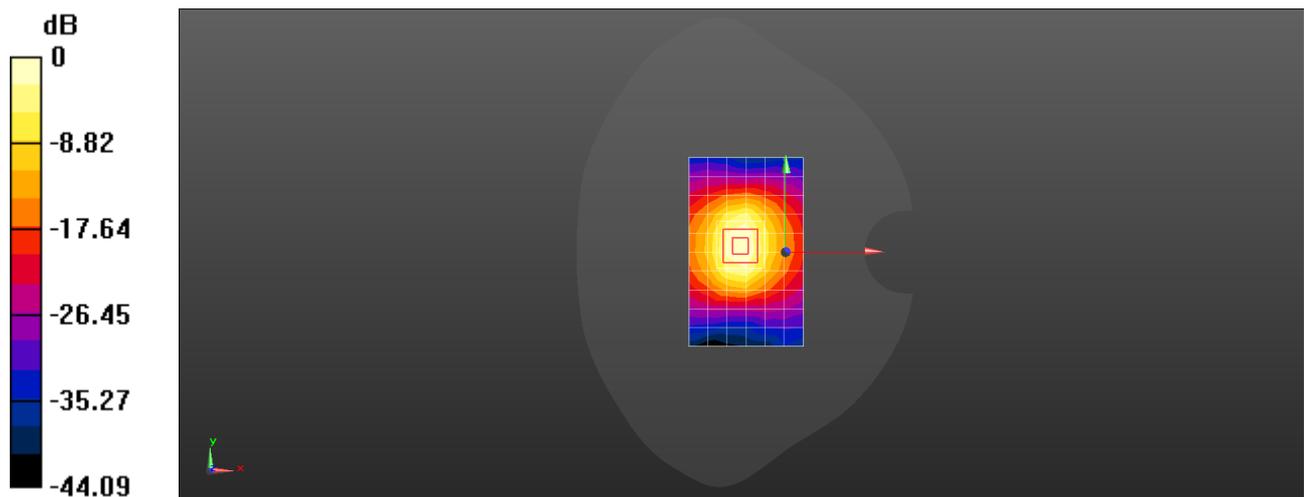
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 104.2 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.11 W/kg

Maximum value of SAR (measured) = 22.9 W/kg



0 dB = 18.7 W/kg = 12.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-ES-Head

DUT: Dipole; Type: D2600V2; Serial: 1021

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.948$ S/m; $\epsilon_r = 37.538$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.57, 4.57, 4.57) @ 2600 MHz; Calibrated: 2018-09-27
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn393; Calibrated: 2018-08-14
- Phantom: SAM5; Type: SAM; Serial: 1892
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 15.3 W/kg

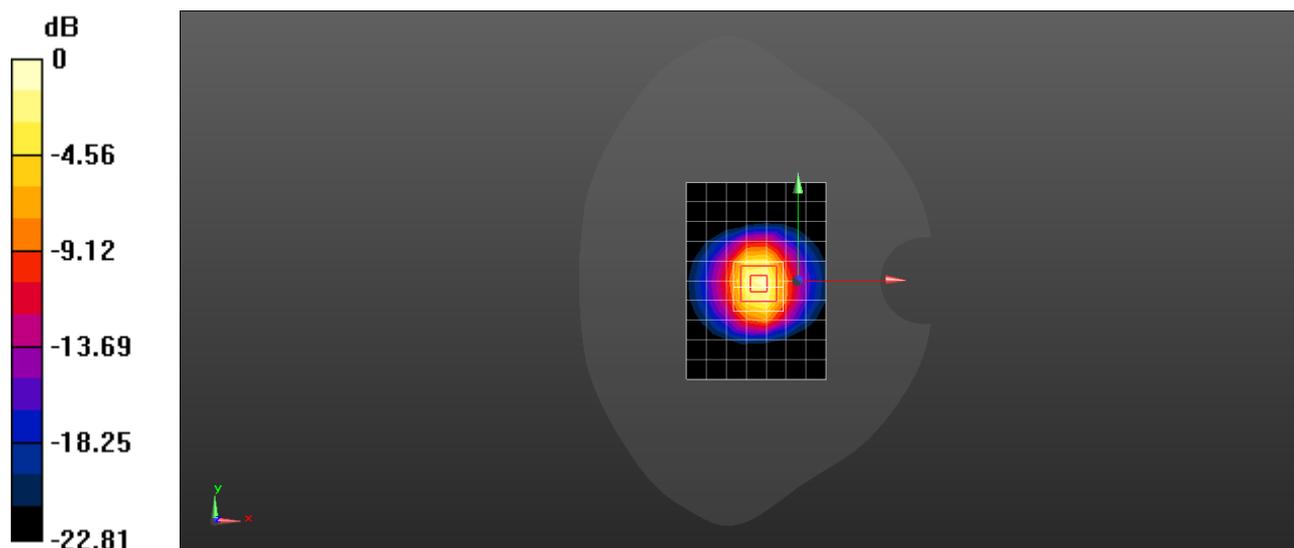
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 100.2 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 29.9 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.35 W/kg

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.73 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5250-EX-Head

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.716$ S/m; $\epsilon_r = 35.316$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(5.35, 5.35, 5.35) @ 5250 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

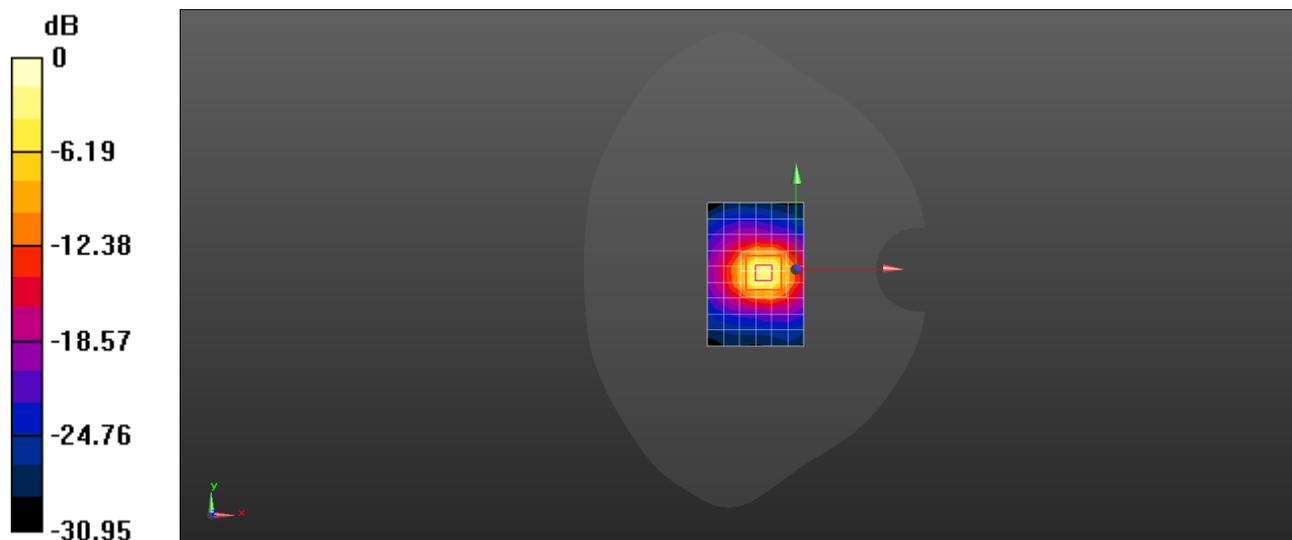
Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 67.35 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 29.7 W/kg

SAR(1 g) = 7.63 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5600-EX-Head

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.019$ S/m; $\epsilon_r = 34.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(4.79, 4.79, 4.79) @ 5600 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

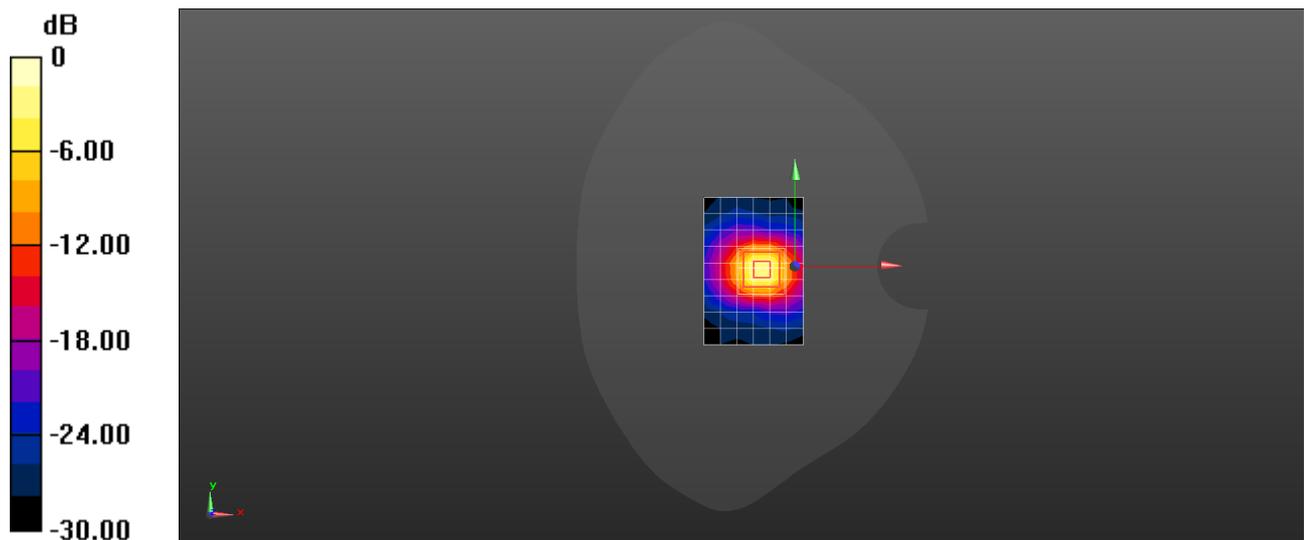
Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 58.85 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 19.2 W/kg



0 dB = 19.2 W/kg = 12.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5750-EX-Head

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.221$ S/m; $\epsilon_r = 34.295$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(5.11, 5.11, 5.11) @ 5750 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 11.5 W/kg

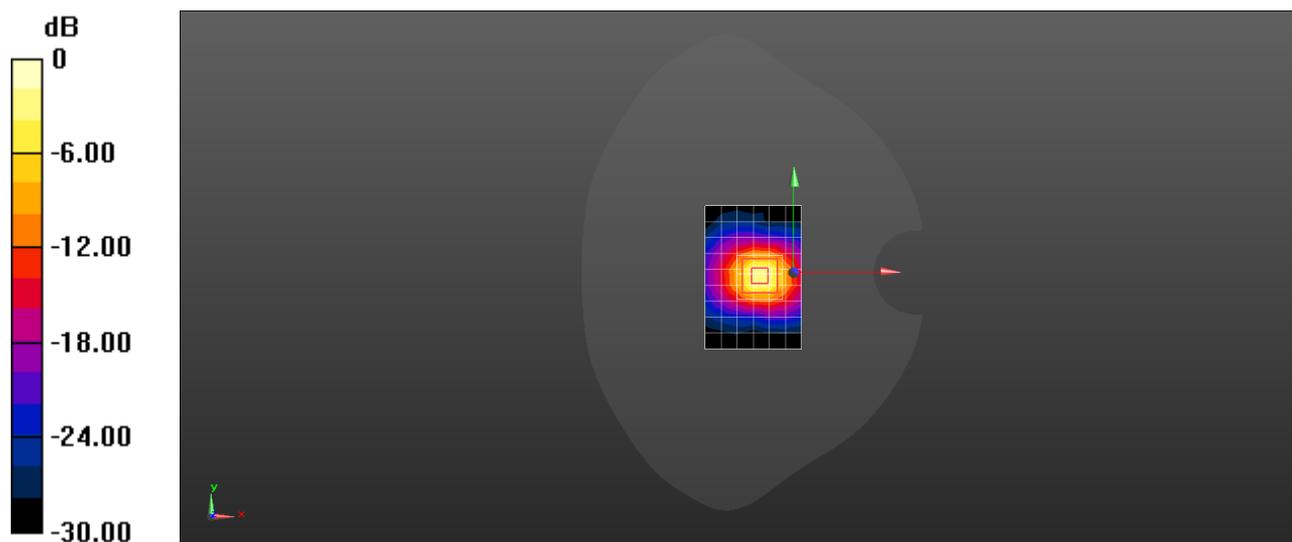
Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 56.17 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.05 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



0 dB = 18.0 W/kg = 12.55 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D750-EX-Body

DUT: Dipole; Type: D750V3; Serial: 1044

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

Medium parameters used: $f = 750$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 54.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.54, 9.54, 9.54) @ 750 MHz; Calibrated: 2018-07-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

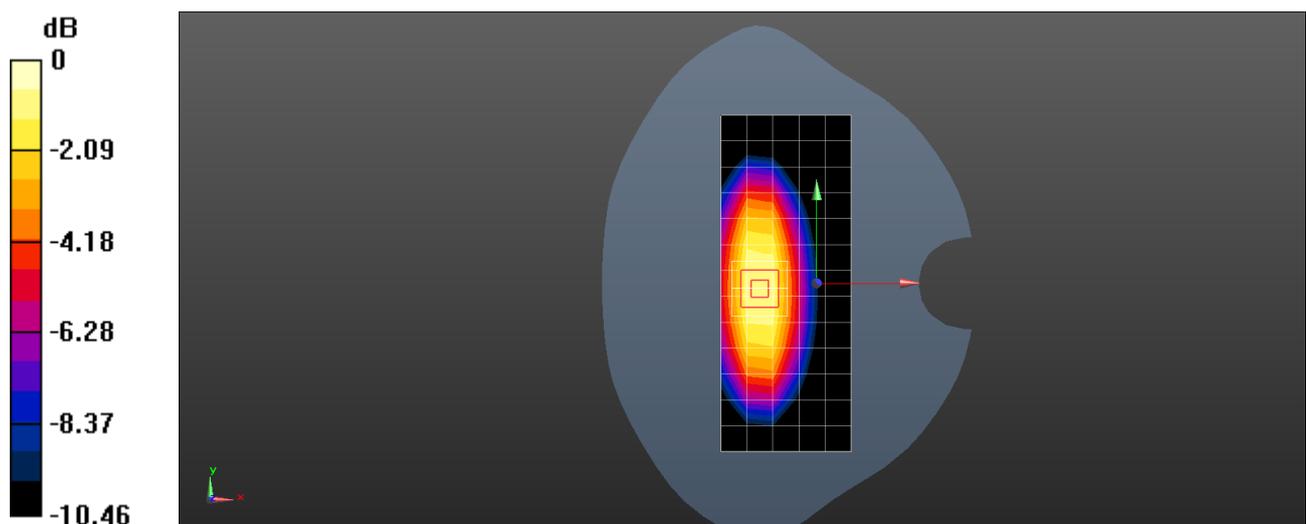
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 37.63 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 2.2 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Body

DUT: Dipole; Type: D835V2; Serial: 4d126

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

Medium parameters used: $f = 835$ MHz; $\sigma = 1.009$ S/m; $\epsilon_r = 53.976$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 835 MHz; Calibrated: 2018-07-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 2.96 W/kg

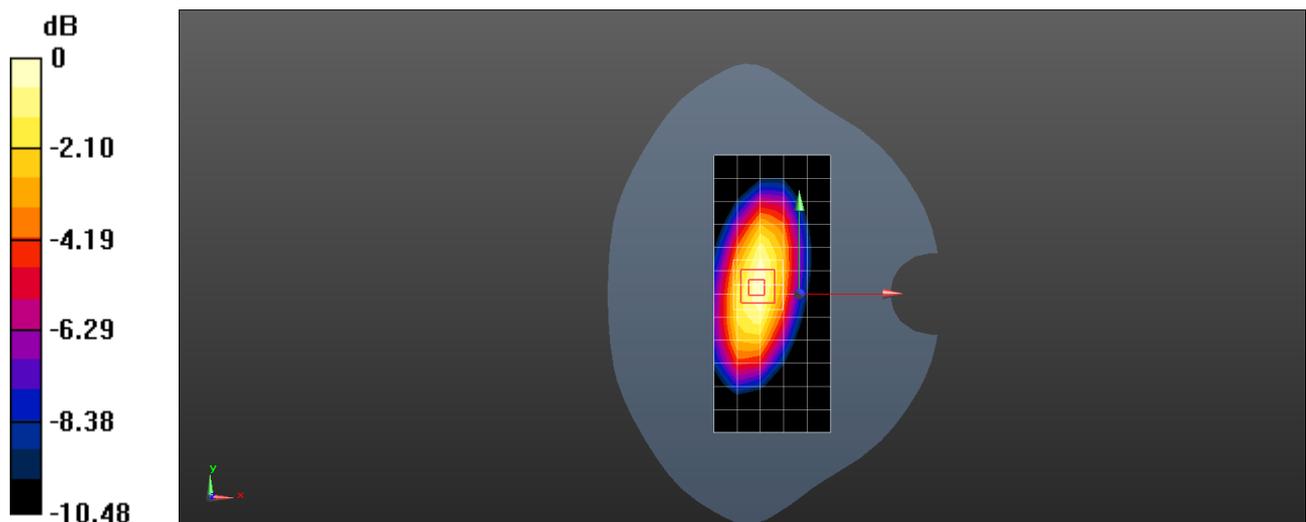
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 47.13 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 3.86 W/kg

SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.72 W/kg

Maximum value of SAR (measured) = 3.04 W/kg



0 dB = 3.04 W/kg = 4.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Body

DUT: Dipole; Type: D835V2; Serial: 4d126

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

Medium parameters used: $f = 835$ MHz; $\sigma = 1.016$ S/m; $\epsilon_r = 52.572$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 835 MHz; Calibrated: 2018-07-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

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

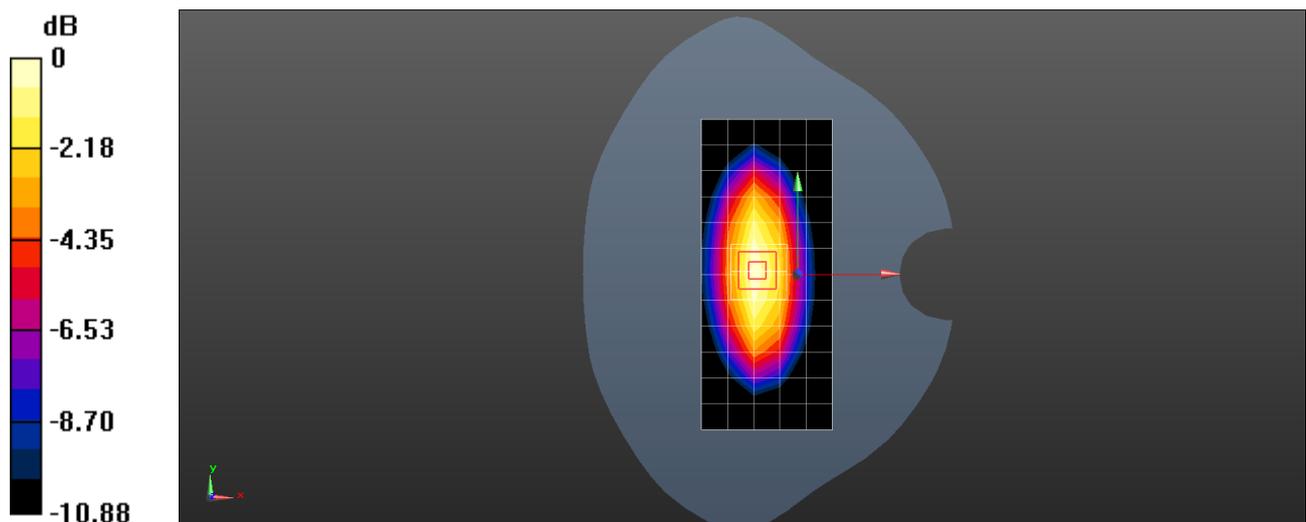
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 56.66 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 3.27 W/kg



0 dB = 3.27 W/kg = 5.15 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D835-EX-Body

DUT: Dipole; Type: D835V2; Serial: 4d126

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

Medium parameters used: $f = 835$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 53.128$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(9.12, 9.12, 9.12) @ 835 MHz; Calibrated: 2018-07-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 3.42 W/kg

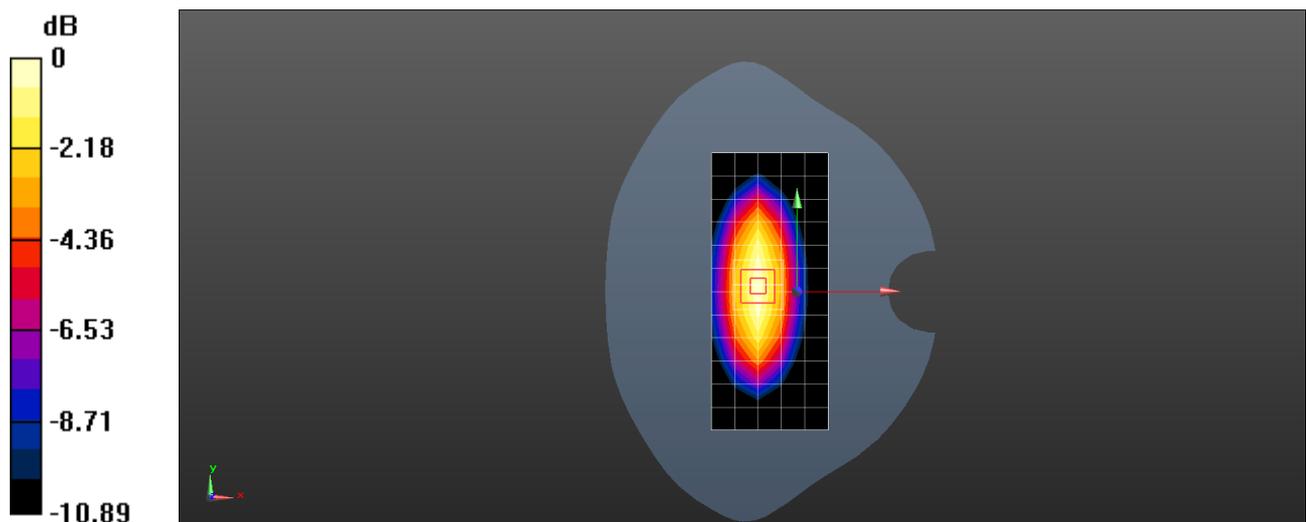
Configuration/d=15mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 54.88 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.68 W/kg

Maximum value of SAR (measured) = 3.47 W/kg



0 dB = 3.47 W/kg = 5.40 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole; Type: D1750V2; Serial: 1145

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.437$ S/m; $\epsilon_r = 54.995$; $\rho = 1000$ kg/m³
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(8.61, 8.61, 8.61) @ 1750 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

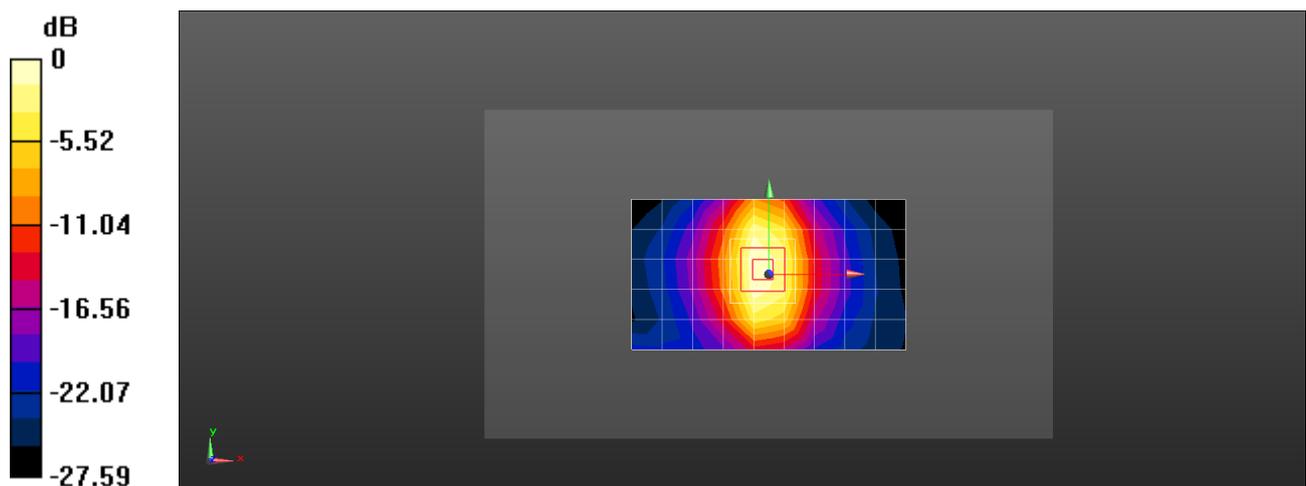
Configuration/d=10mm Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.49 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 8.97 W/kg; SAR(10 g) = 4.85 W/kg

Maximum value of SAR (measured) = 13.5 W/kg



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

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1750-EX-Body

DUT: Dipole; Type: D1750V2; Serial: 1145

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.441$ S/m; $\epsilon_r = 55.531$; $\rho = 1000$ kg/m³
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(8.61, 8.61, 8.61) @ 1750 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 10.1 W/kg

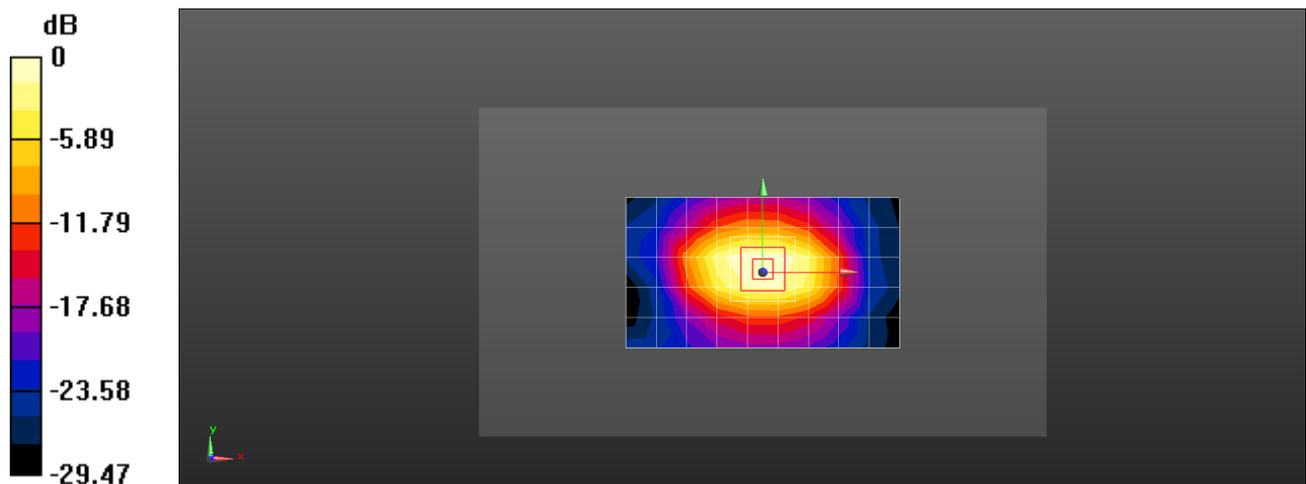
Configuration/d=10mm Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.2 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 9.47 W/kg; SAR(10 g) = 5.16 W/kg

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 10.1 W/kg = 10.06 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Body

DUT: Dipole; Type: D1900V2; Serial: 5d091

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.6, 7.6, 7.6) @ 1900 MHz; Calibrated: 2018-07-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, pin=250mW/Area Scan (6x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 14.6 W/kg

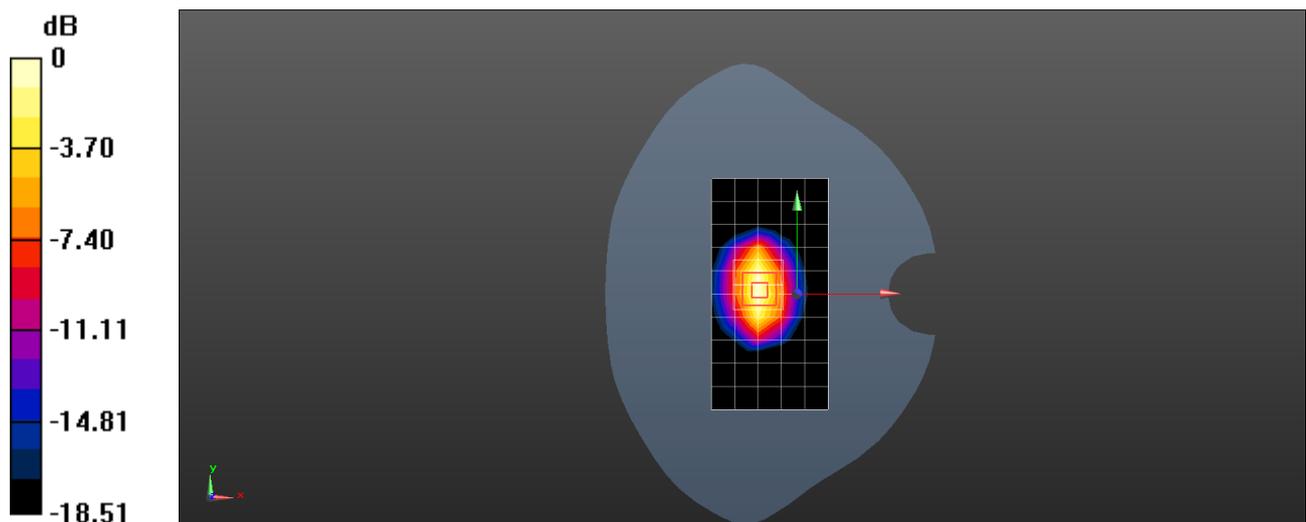
Configuration/d=10mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 82.56 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 9.53 W/kg; SAR(10 g) = 4.91 W/kg

Maximum value of SAR (measured) = 14.6 W/kg



0 dB = 14.6 W/kg = 11.64 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D1900-EX-Body

DUT: Dipole; Type: D1900V2; Serial: 5d091

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.564$ S/m; $\epsilon_r = 52.498$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.6, 7.6, 7.6) @ 1900 MHz; Calibrated: 2018-07-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1235; Calibrated: 2018-11-14
- Phantom: SAM4; Type: SAM; Serial: 1620
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, pin=250mW/Area Scan (6x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 12.1 W/kg

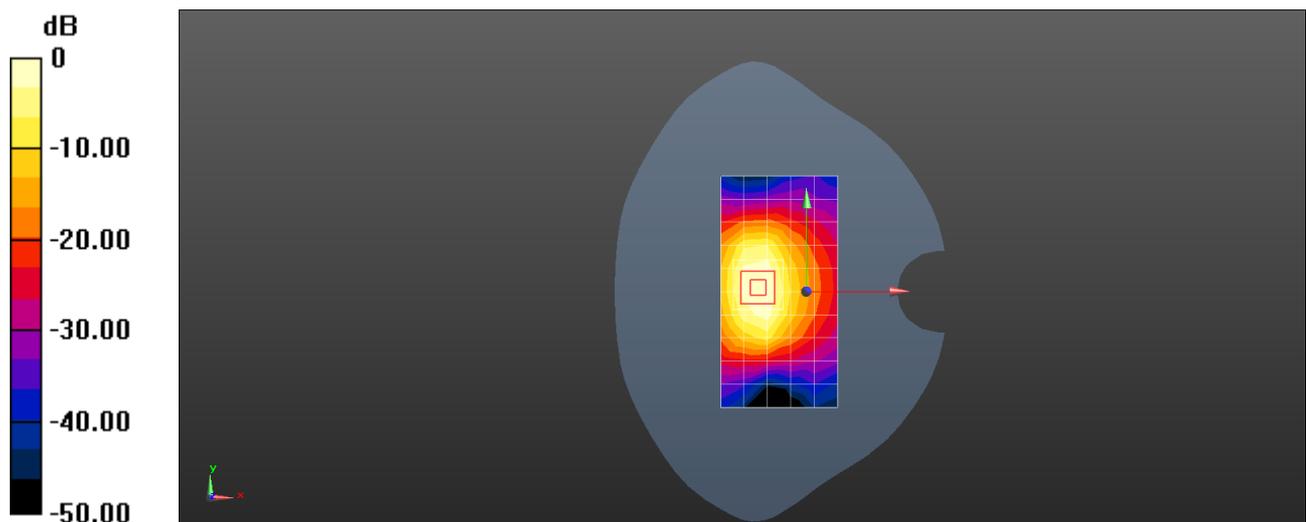
Configuration/d=10mm, pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 53.80 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.57 W/kg

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



0 dB = 12.1 W/kg = 10.83 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-EX-Body

DUT: Dipole; Type: D2450V2; Serial: 860

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

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(7.76, 7.76, 7.76) @ 2450 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm Pin=250mW/Area Scan (11x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.3 W/kg

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

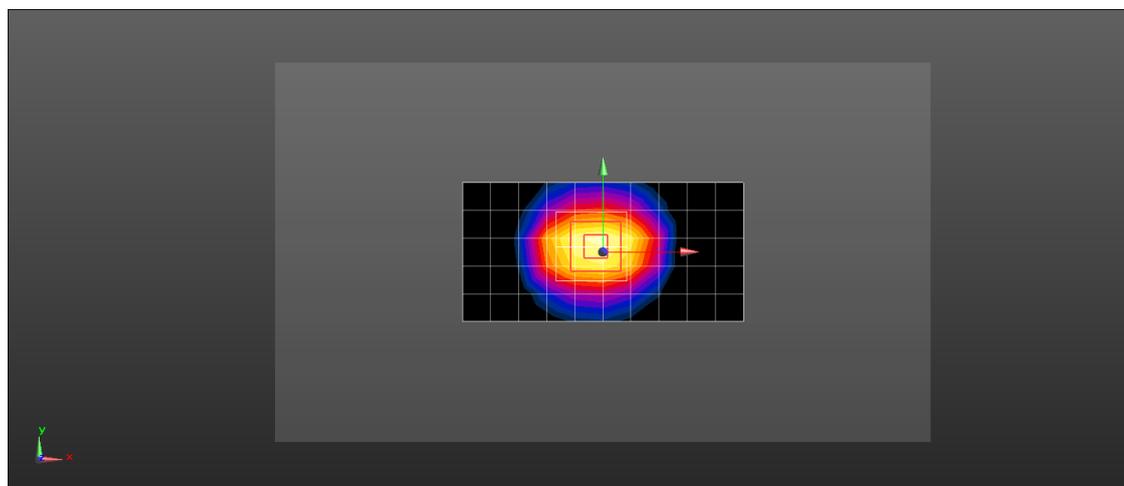
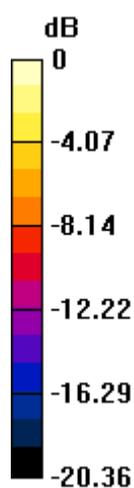
Reference Value = 104.5 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 24.9 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.11 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2450-EX-Body

DUT: Dipole; Type: D2450V2; Serial: 860

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

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.877$ S/m; $\epsilon_r = 51.442$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(7.76, 7.76, 7.76) @ 2450 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm Pin=250mW/Area Scan (11x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 16.6 W/kg

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

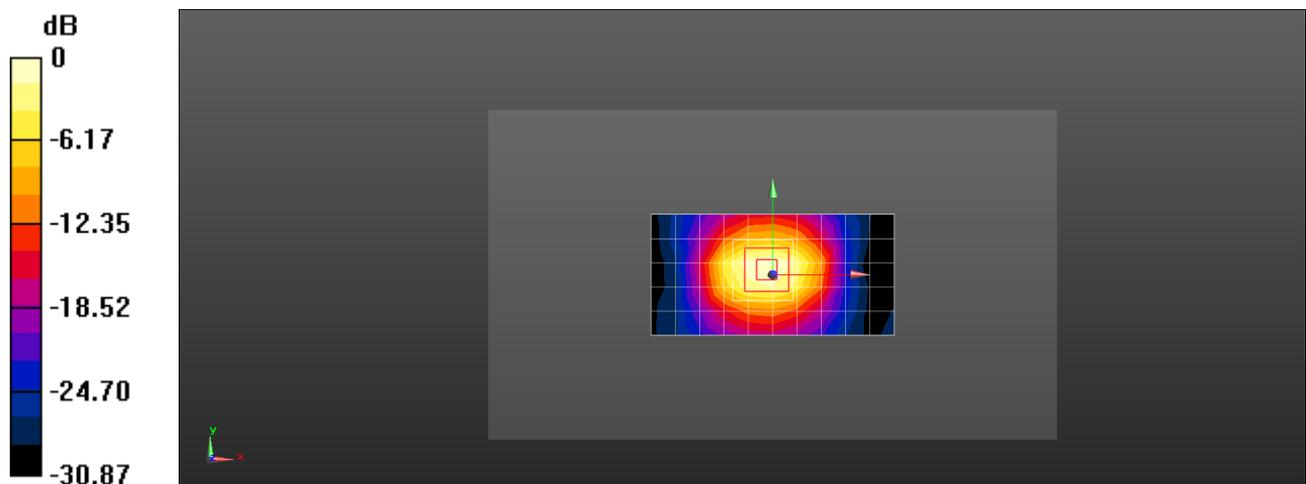
Reference Value = 104.5 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 23.9 W/kg

SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.85 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 16.6 W/kg = 12.20 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Body

DUT: Dipole; Type: D2600V2; Serial: 1032

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.107$ S/m; $\epsilon_r = 53.851$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(7.53, 7.53, 7.53) @ 2600 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm Pin=250mW/Area Scan (11x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 17.2 W/kg

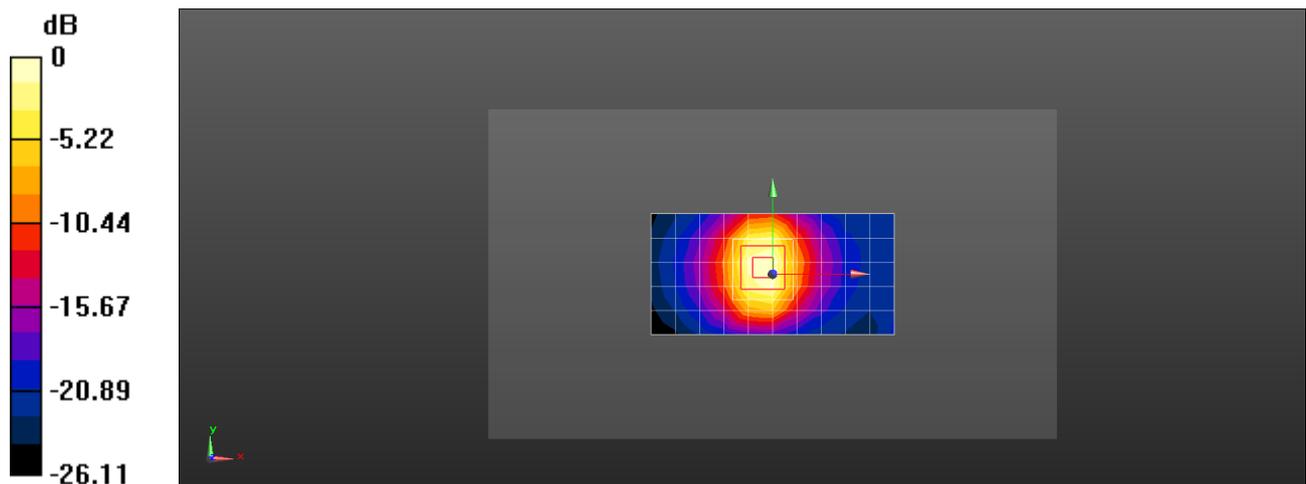
Configuration/d=10mm Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 99.30 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.2 W/kg

Maximum value of SAR (measured) = 22.7 W/kg



0 dB = 17.2 W/kg = 12.35 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Body

DUT: Dipole; Type: D2600V2; Serial: 1032

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.125$ S/m; $\epsilon_r = 53.487$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(7.53, 7.53, 7.53) @ 2600 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm Pin=250mW/Area Scan (11x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 15.7 W/kg

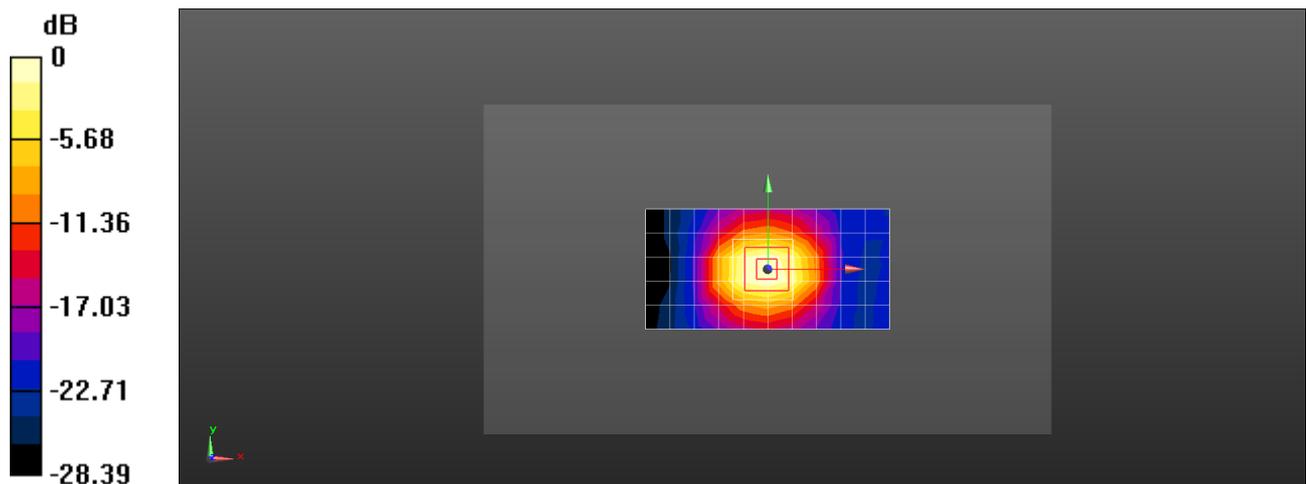
Configuration/d=10mm Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 107.3 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.31 W/kg

Maximum value of SAR (measured) = 22.8 W/kg



0 dB = 15.7 W/kg = 11.97 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Body

DUT: Dipole; Type: D2600V2; Serial: 1032

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.202$ S/m; $\epsilon_r = 51.187$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3743; ConvF(6.9, 6.9, 6.9) @ 2600 MHz; Calibrated: 2018-11-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

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

Maximum value of SAR (measured) = 21.1 W/kg

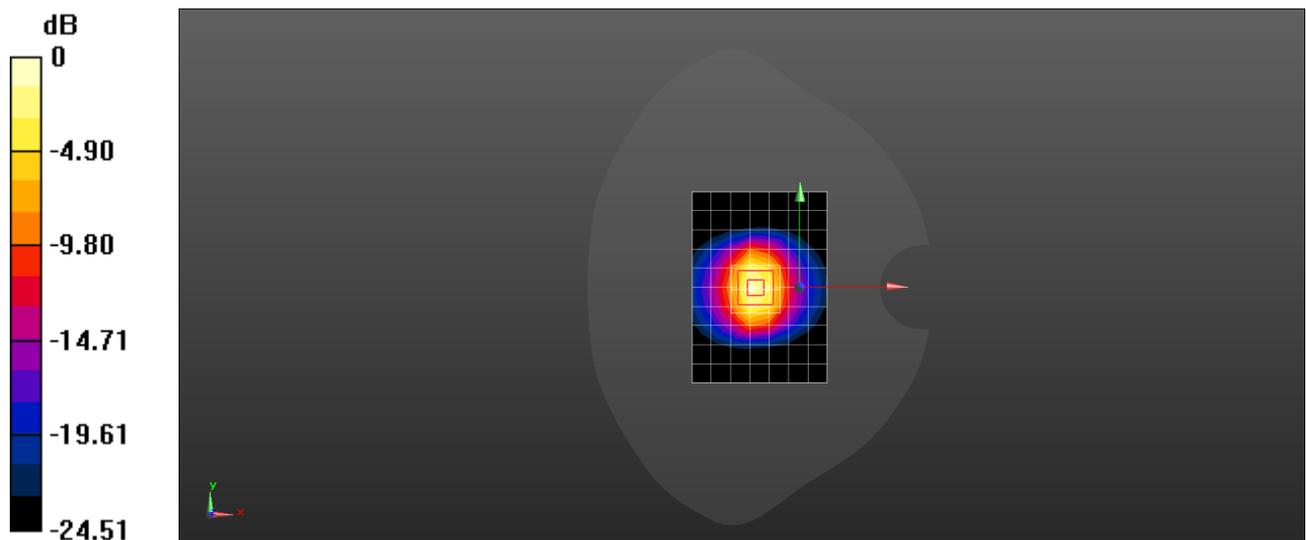
Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 107.6 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.11 W/kg

Maximum value of SAR (measured) = 24.9 W/kg



0 dB = 24.9 W/kg = 13.96 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D2600-EX-Body

DUT: Dipole; Type: D2600V2; Serial: 1032

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.121$ S/m; $\epsilon_r = 53.431$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7381; ConvF(7.53, 7.53, 7.53) @ 2600 MHz; Calibrated: 2018-09-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1236; Calibrated: 2018-07-18
- Phantom: Triple Flat Phantom 5.1C; Type: MFP V5.1 C; Serial: 1176/2
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm Pin=250mW/Area Scan (11x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 15.7 W/kg

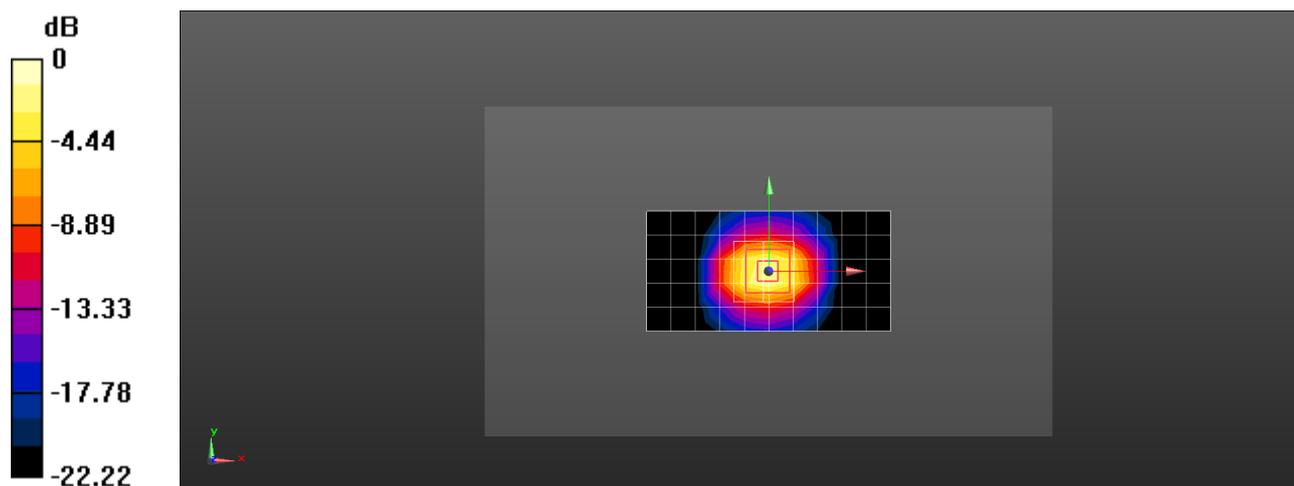
Configuration/d=10mm Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 107.3 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 27.9 W/kg

SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.3 W/kg

Maximum value of SAR (measured) = 22.7 W/kg



0 dB = 22.7 W/kg = 13.56 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5250-EX-Body

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 5.268$ S/m; $\epsilon_r = 48.722$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(4.74, 4.74, 4.74) @ 5250 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 14.1 W/kg

Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

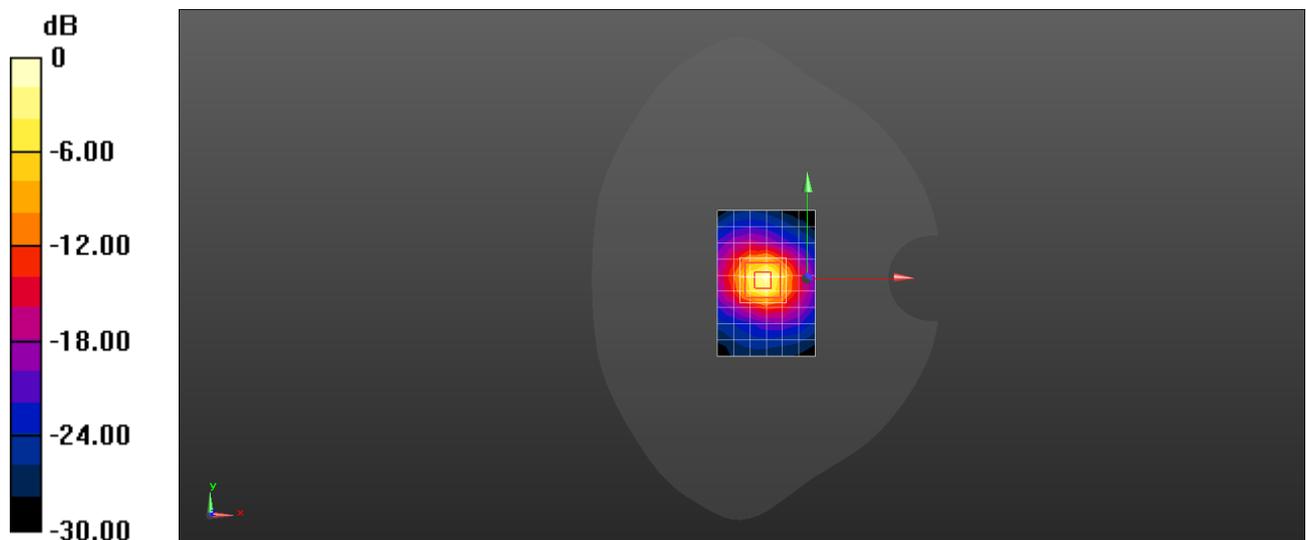
Reference Value = 61.32 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 7.51 W/kg; SAR(10 g) = 2.12 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.1 W/kg = 12.33 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5250-EX-Body

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 5.415$ S/m; $\epsilon_r = 47.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(4.74, 4.74, 4.74) @ 5250 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 15.6 W/kg

Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

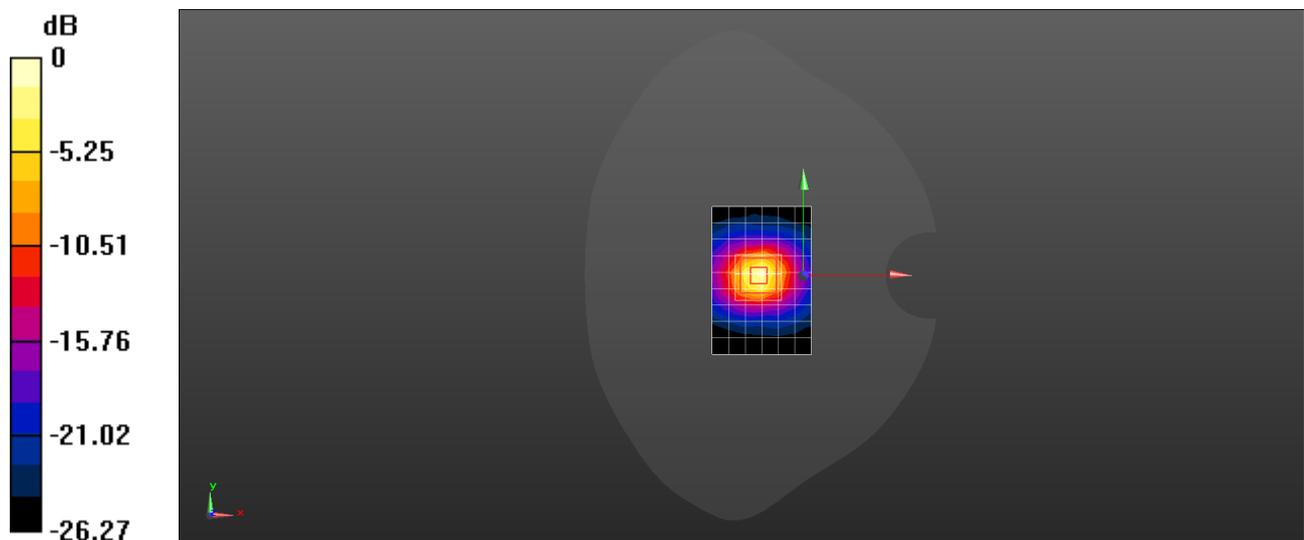
Reference Value = 63.66 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.11 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.5 W/kg = 12.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5600-EX-Body

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.712$ S/m; $\epsilon_r = 48.161$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(4.03, 4.03, 4.03) @ 5600 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 17.7 W/kg

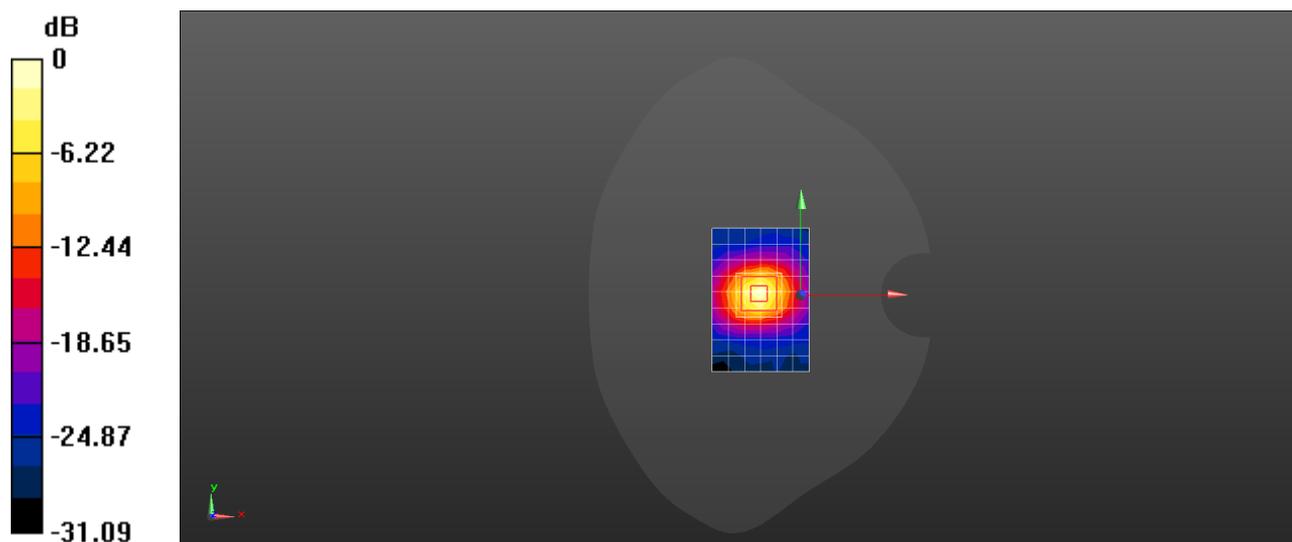
Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 64.51 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 30.1 W/kg

SAR(1 g) = 7.22 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.5 W/kg = 12.43 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5600-EX-Body

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.87$ S/m; $\epsilon_r = 47.352$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(4.03, 4.03, 4.03) @ 5600 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.2 W/kg

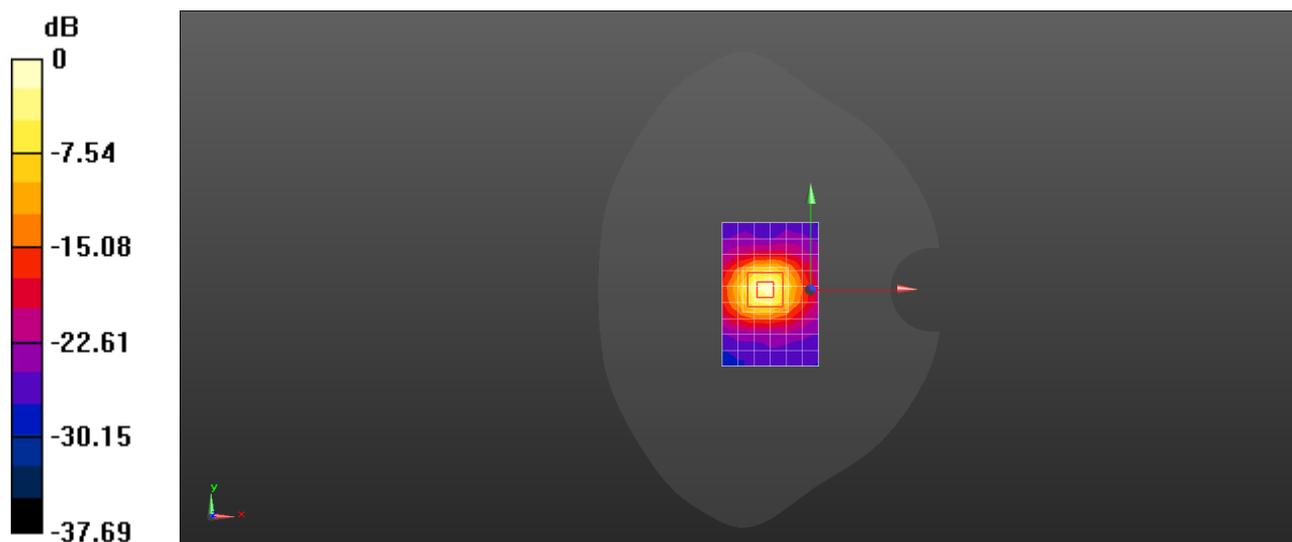
Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 62.66 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.24 W/kg

Maximum value of SAR (measured) = 19.0 W/kg



0 dB = 19.0 W/kg = 12.79 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

SystemPerformanceCheck-D5750-EX-Body

DUT: Dipole; Type: D5GHzV2; Serial: 1155

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.916$ S/m; $\epsilon_r = 47.944$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7489; ConvF(4.36, 4.36, 4.36) @ 5750 MHz; Calibrated: 2019-02-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn851; Calibrated: 2018-07-18
- Phantom: SAM9; Type: SAM; Serial: 1958
- DASY52 52.10.1(1476); SEMCAD X 14.6.11(7439)

Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.7 W/kg

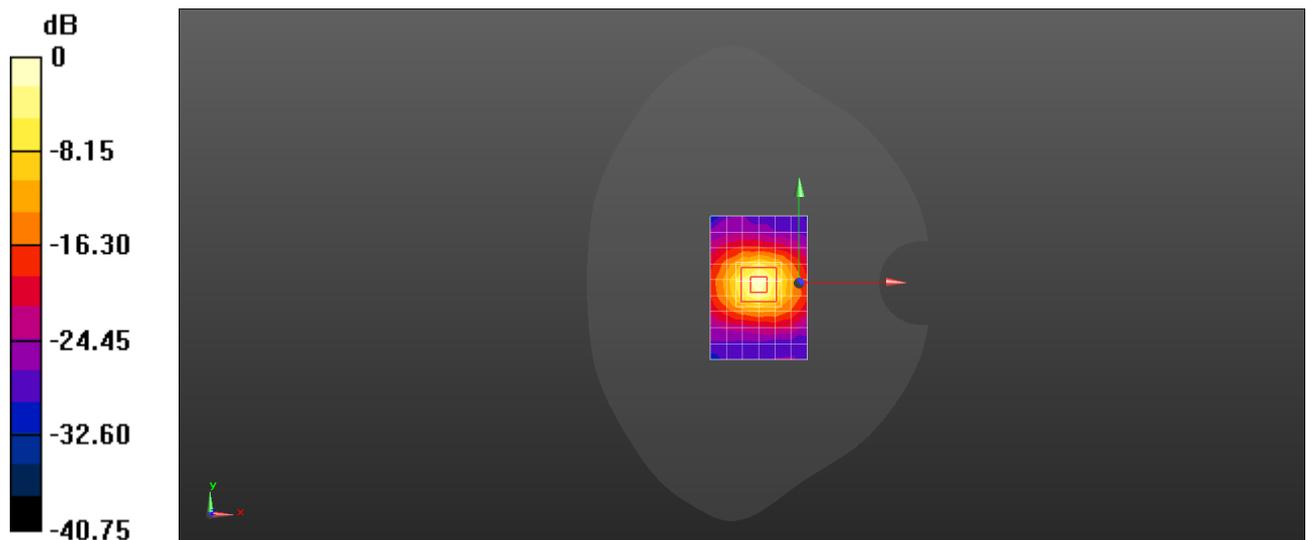
Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 61.28 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 29.5 W/kg

SAR(1 g) = 6.86 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 16.5 W/kg



0 dB = 16.5 W/kg = 12.17 dBW/kg

System Validation

Per FCC KDB 865664 D02, SAR system verification is required to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles are used with the required tissue-equivalent media for system validation, according to the procedures outlined in FCC KDB 865664 D01 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point must be validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

a tabulated summary of the system validation status, measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters has been included.



FREQ. [Mhz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL POINT		PERM	COND	CW VALIDATION			MOD.VALIDATION		
						(ϵ_r)	(σ)	SENSI- TIVITY	PROBE LINARITY	PROBE ISOTROPY	MOD. TYPE	DUTY. FACTORE	PAR
750	2019/2/10	3744	EX3DV4	750	Head	41.06	0.881	PASS	PASS	PASS	N/A	N/A	N/A
835	2018/8/22	3744	EX3DV4	835	Head	42.18	0.864	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/8/23	3744	EX3DV4	1750	Head	38.48	1.347	PASS	PASS	PASS	N/A	N/A	N/A
1900	2018/8/22	3744	EX3DV4	1900	Head	39.15	1.370	PASS	PASS	PASS	GMSK	PASS	N/A
2300	2018/8/26	3744	EX3DV4	2300	Head	37.99	1.618	PASS	PASS	PASS	N/A	N/A	N/A
2450	2018/8/27	3744	EX3DV4	2450	Head	38.14	1.759	PASS	PASS	PASS	OFDM	PASS	PASS
2600	2018/8/24	3744	EX3DV4	2600	Head	40.31	1.903	PASS	PASS	PASS	TDD	PASS	N/A
750	2019/4/23	3744	EX3DV4	750	Body	54.84	0.980	PASS	PASS	PASS	N/A	N/A	N/A
835	2018/8/22	3744	EX3DV4	835	Body	53.71	0.994	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/8/22	3744	EX3DV4	1750	Body	54.25	1.493	PASS	PASS	PASS	N/A	N/A	N/A
1900	2018/8/26	3744	EX3DV4	1900	Body	51.14	1.573	PASS	PASS	PASS	GMSK	PASS	N/A
2300	2018/8/25	3744	EX3DV4	2300	Body	51.76	1.861	PASS	PASS	PASS	N/A	N/A	N/A
2450	2018/8/24	3744	EX3DV4	2450	Body	50.95	1.941	PASS	PASS	PASS	OFDM	PASS	PASS
2600	2018/8/22	3744	EX3DV4	2600	Body	52.20	2.159	PASS	PASS	PASS	TDD	PASS	N/A



Table of SAR System validation summary:

FREQ.	DATE	PROBE SN	PROBE TYPE	PROBE CAL POINT		PERM	COND	CW VALIDATION			MOD.VALIDATION		
[Mhz]						(ϵ_r)	(σ)	SENSI-TIVITY	PROBE LINARITY	PROBE ISOTROPY	MOD. TYPE	DUTY. FACTORE	PAR
750	2019/04/11	3743	EX3DV4	750	Head	43.05	0.919	PASS	PASS	PASS	N/A	N/A	N/A
835	2018/12/28	3743	EX3DV4	835	Head	41.63	0.939	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/12/28	3743	EX3DV4	1750	Head	39.87	1.367	PASS	PASS	PASS	GMSK	PASS	N/A
1900	2019/01/20	3743	EX3DV4	1900	Head	38.28	1.465	PASS	PASS	PASS	GMSK	PASS	N/A
2450	2018/12/28	3743	EX3DV4	2450	Head	38.90	1.833	PASS	PASS	PASS	OFDM	PASS	PASS
2600	2019/01/14	3743	EX3DV4	2600	Head	38.57	1.955	PASS	PASS	PASS	TDD	PASS	N/A
750	2019/02/15	3743	EX3DV4	750	Body	55.05	0.969	PASS	PASS	PASS	N/A	N/A	N/A
835	2018/12/28	3743	EX3DV4	835	Body	54.11	0.998	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/12/28	3743	EX3DV4	1750	Body	51.89	1.459	PASS	PASS	PASS	N/A	N/A	N/A
1900	2018/12/17	3743	EX3DV4	1900	Body	50.93	1.487	PASS	PASS	PASS	GMSK	PASS	N/A
2450	2018/12/28	3743	EX3DV4	2450	Body	50.95	2.009	PASS	PASS	PASS	OFDM	PASS	PASS
2600	2018/12/28	3743	EX3DV4	2600	Body	50.68	2.141	PASS	PASS	PASS	TDD	PASS	N/A



FREQ. [Mhz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL POINT		PERM	COND	CW VALIDATION			MOD.VALIDATION		
						(ϵ_r)	(σ)	SENSI/TIVITY	PROBE LINARITY	PROBE ISOTRO PY	MOD. TYPE	DUTY. FACTORE	PAR
750	2018/10/23	3168	ES3DV3	750	Head	42.41	0.860	PASS	PASS	PASS	NA	NA	N/A
835	2018/10/23	3168	ES3DV3	835	Head	42.27	0.893	PASS	PASS	PASS	GMSK	PASS	N/A
900	2018/10/23	3168	ES3DV3	900	Head	43.57	0.930	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/10/23	3168	ES3DV3	1750	Head	41.49	1.307	PASS	PASS	PASS	NA	NA	N/A
1900	2018/10/23	3168	ES3DV3	1900	Head	41.28	1.398	PASS	PASS	PASS	GMSK	PASS	N/A
2000	2018/10/23	3168	ES3DV3	2000	Head	41.18	1.449	PASS	PASS	PASS	NA	NA	N/A
2300	2018/10/23	3168	ES3DV3	2300	Head	40.62	1.651	PASS	PASS	PASS	NA	NA	N/A
2450	2018/10/23	3168	ES3DV3	2450	Head	40.45	1.766	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
2600	2018/10/23	3168	ES3DV3	2600	Head	40.23	1.887	PASS	PASS	PASS	TDD	PASS	N/A
750	2018/10/23	3168	ES3DV3	750	Body	54.82	0.945	PASS	PASS	PASS	NA	NA	N/A
835	2018/10/23	3168	ES3DV3	835	Body	54.75	0.975	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/10/23	3168	ES3DV3	1750	Body	53.35	1.457	PASS	PASS	PASS	NA	NA	N/A
1900	2018/10/23	3168	ES3DV3	1900	Body	53.12	1.568	PASS	PASS	PASS	GMSK	PASS	N/A
2450	2018/10/23	3168	ES3DV3	2450	Body	52.47	2.019	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
2600	2018/10/23	3168	ES3DV3	2600	Body	52.20	2.159	PASS	PASS	PASS	TDD	PASS	N/A



FREQ.	DATE	PROB E SN	PROBE TYPE	PROBE CAL POINT		PERM (ϵ_r)	CON D (σ)	CW VALIDATION			MOD.VALIDATION		
								SENSI-TIVI TY	PROBE LINARITY	PROBE ISOTROPY	MOD. TYPE	DUTY. FACTORE	PAR
835	2018/10/22	7381	EX3DV4	835	Head	39.49	0.916	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/10/22	7381	EX3DV4	1750	Head	38.63	1.398	PASS	PASS	PASS	NA	NA	N/A
1900	2018/10/22	7381	EX3DV4	1900	Head	39.96	1.399	PASS	PASS	PASS	GMSK	PASS	N/A
2450	2018/10/22	7381	EX3DV4	2450	Head	39.24	1.773	PASS	PASS	PASS	OFDM	PASS	PASS
2600	2018/10/22	7381	EX3DV4	2600	Head	37.06	2.016	PASS	PASS	PASS	TDD	PASS	N/A
5250	2018/10/22	7381	EX3DV4	5250	Head	35.90	4.492	PASS	PASS	PASS	OFDM	N/A	PASS
5600	2018/10/22	7381	EX3DV4	5600	Head	35.32	4.872	PASS	PASS	PASS	OFDM	N/A	PASS
5750	2018/10/22	7381	EX3DV4	5750	Head	35.11	5.065	PASS	PASS	PASS	OFDM	N/A	PASS
835	2018/10/23	7381	EX3DV4	835	Body	53.43	0.984	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2018/10/23	7381	EX3DV4	1750	Body	53.43	0.984	PASS	PASS	PASS	N/A	N/A	N/A
1900	2018/10/23	7381	EX3DV4	1900	Body	51.58	1.571	PASS	PASS	PASS	GMSK	PASS	N/A
2450	2018/10/23	7381	EX3DV4	2450	Body	50.95	2.009	PASS	PASS	PASS	OFDM	PASS	PASS
2600	2018/10/23	7381	EX3DV4	2600	Body	50.68	2.141	PASS	PASS	PASS	TDD	PASS	N/A
5250	2018/10/23	7381	EX3DV4	5250	Body	47.31	5.348	PASS	PASS	PASS	OFDM	N/A	PASS
5600	2018/10/23	7381	EX3DV4	5600	Body	46.67	5.852	PASS	PASS	PASS	OFDM	N/A	PASS
5750	2018/10/23	7381	EX3DV4	5750	Body	46.61	6.059	PASS	PASS	PASS	OFDM	N/A	PASS



FREQ. [Mhz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL POINT		PERM	COND	CW VALIDATION			MOD.VALIDATION		
						(ϵ_r)	(σ)	SENSI- TIVITY	PROBE LINARITY	PROBE ISOTROPY	MOD. TYPE	DUTY. FACTORE	PAR
750	2019/3/29	7489	EX3DV4	750	Head	41.055	0.889	PASS	PASS	PASS	N/A	N/A	N/A
835	2019/3/29	7489	EX3DV4	835	Head	40.815	0.917	PASS	PASS	PASS	GMSK	PASS	N/A
900	2019/3/29	7489	EX3DV4	900	Head	38.885	1.328	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2019/3/29	7489	EX3DV4	1750	Head	38.885	1.328	PASS	PASS	PASS	NA	NA	N/A
1900	2019/3/29	7489	EX3DV4	1900	Head	38.685	1.425	PASS	PASS	PASS	GMSK	PASS	N/A
2000	2019/3/29	7489	EX3DV4	2000	Head	38.525	1.484	PASS	PASS	PASS	N/A	N/A	N/A
2300	2019/3/29	7489	EX3DV4	2300	Head	38.125	1.687	PASS	PASS	PASS	N/A	N/A	N/A
2450	2019/3/29	7489	EX3DV4	2450	Head	37.925	1.800	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
2600	2019/3/29	7489	EX3DV4	2600	Head	37.765	1.920	PASS	PASS	PASS	TDD	PASS	N/A
5250	2019/3/29	7489	EX3DV4	5250	Head	35.535	4.689	PASS	PASS	PASS	OFDM	PASS	N/A
5600	2019/3/29	7489	EX3DV4	5600	Head	34.905	5.086	PASS	PASS	PASS	OFDM	PASS	N/A
5750	2019/3/29	7489	EX3DV4	5750	Head	34.655	5.252	PASS	PASS	PASS	OFDM	PASS	N/A
750	2019/3/29	7489	EX3DV4	750	Body	55.575	0.957	PASS	PASS	PASS	N/A	N/A	N/A
835	2019/3/29	7489	EX3DV4	835	Body	55.365	0.989	PASS	PASS	PASS	GMSK	PASS	N/A
1750	2019/3/29	7489	EX3DV4	1750	Body	53.575	1.469	PASS	PASS	PASS	N/A	N/A	N/A
1900	2019/3/29	7489	EX3DV4	1900	Body	53.395	1.589	PASS	PASS	PASS	GMSK	PASS	N/A
2300	2019/3/29	7489	EX3DV4	2300	Body	52.855	1.908	PASS	PASS	PASS	N/A	N/A	N/A
2450	2019/3/29	7489	EX3DV4	2450	Body	52.645	2.047	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
2600	2019/3/29	7489	EX3DV4	2600	Body	52.475	2.193	PASS	PASS	PASS	TDD	PASS	N/A
5250	2019/3/29	7489	EX3DV4	5250	Body	47.465	5.494	PASS	PASS	PASS	OFDM	PASS	N/A
5600	2019/3/29	7489	EX3DV4	5600	Body	46.755	5.999	PASS	PASS	PASS	OFDM	PASS	N/A
5750	2019/3/29	7489	EX3DV4	5750	Body	46.455	6.225	PASS	PASS	PASS	OFDM	PASS	N/A