



## Appendix B. SAR Measurement Plots

<b>Table of contents</b>
<b>WiFi 2450 MHz Body</b>
<b>WiFi 5G Body</b>
<b>BT Body</b>

Test Laboratory: HUAWEI SAR/HAC Lab

**HZ-W09 Wifi 2.4G 11b 11CH Top Side 0mm****DUT: HZ-W09; Type: HUAWEI MateBook; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.995$  S/m;  $\epsilon_r = 51.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌘ Probe: EX3DV4 - SN3744; ConvF(6.77, 6.77, 6.77); Calibrated: 2015-7-24;
- ⌘ Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⌘ Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- ⌘ Phantom: ELI v5.0; Type: ELI; Serial: TP:1111
- ⌘ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (6x26x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.15 W/kg

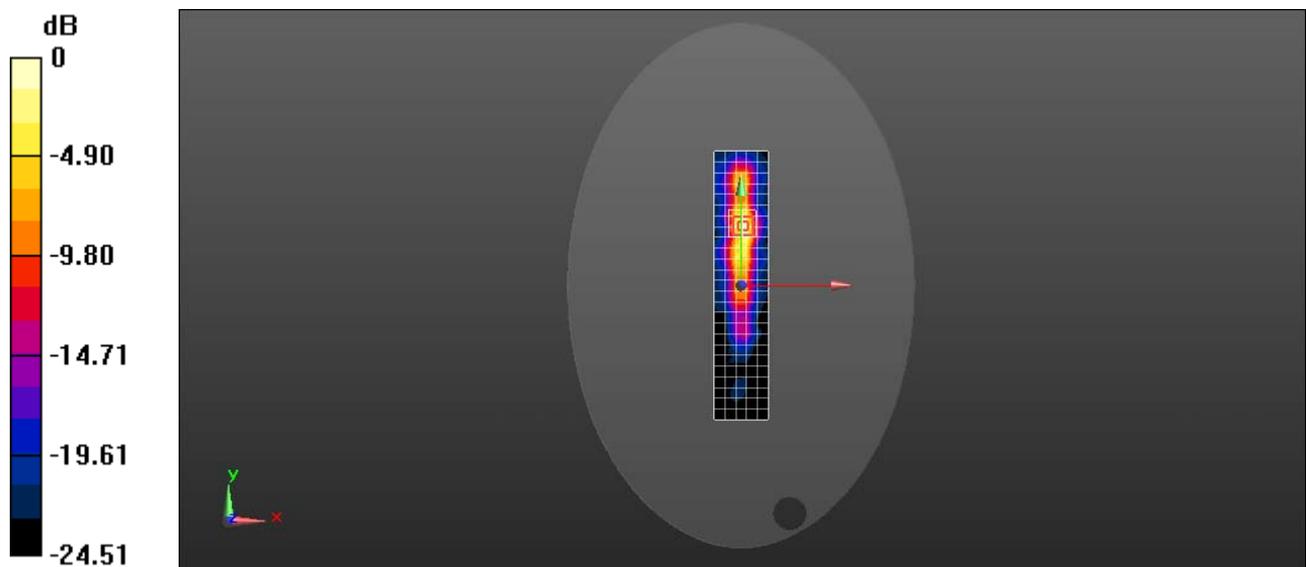
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.15 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.476 W/kg**

Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.47 W/kg = 1.68 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**HZ-W09 Wifi 5G 11n 40M 54CH Top Side 0mm****DUT: HZ-W09; Type: HUAWEI MateBook; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 5270 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.305$  S/m;  $\epsilon_r = 47.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⌵ Probe: EX3DV4 - SN7351; ConvF(4.2, 4.2, 4.2); Calibrated: 2015-10-30;
- ⌵ Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ⌵ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⌵ Phantom: ELI v5.0; Type: ELI; Serial: TP:1111
- ⌵ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (7x31x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.05 W/kg

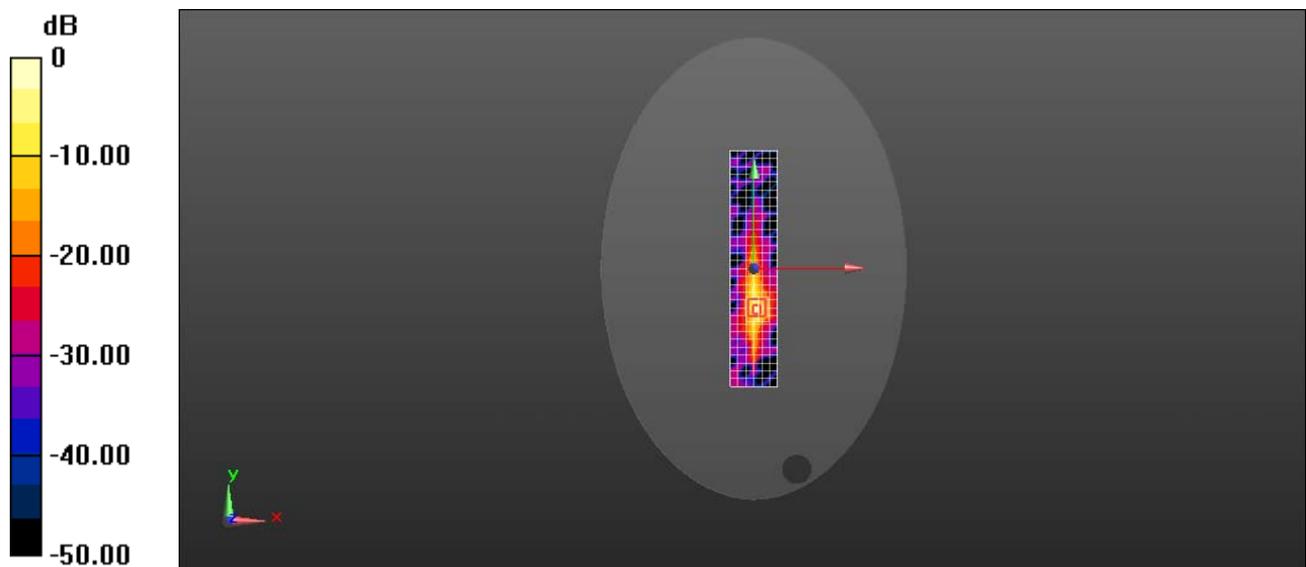
**Configuration/Body/Zoom Scan (8x9x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.591 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 6.20 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.282 W/kg**

Maximum value of SAR (measured) = 3.24 W/kg



0 dB = 3.24 W/kg = 5.10 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

**HZ-W09 BT DH5 78CH Top Side 0mm****DUT: HZ-W09; Type: HUAWEI MateBook; Serial: SAR2**

Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 2.024$  S/m;  $\epsilon_r = 51.063$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ⊘ Probe: EX3DV4 - SN3744; ConvF(6.77, 6.77, 6.77); Calibrated: 2015-7-24;
- ⊘ Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ⊘ Electronics: DAE4 Sn1236; Calibrated: 2015-11-23
- ⊘ Phantom: ELI v5.0; Type: ELI; Serial: TP:1111
- ⊘ DASY52 52.8.8(1222);

**Configuration/Body/Area Scan (6x26x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0539 W/kg

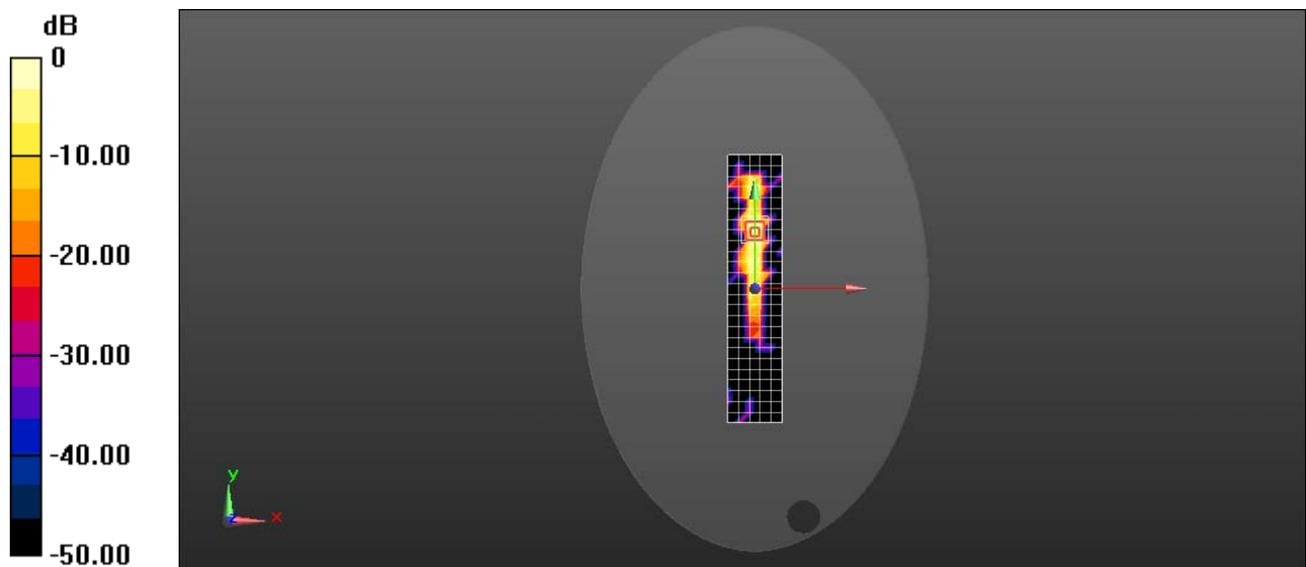
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.653 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0856 W/kg



0 dB = 0.0856 W/kg = -10.67 dBW/kg