



## Appendix B. SAR Measurement Plots

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<b>WiFi 2450 MHz Next-to-Mouth (10mm)</b>
<b>WiFi 2450 MHz Limbs (0mm)</b>

Test Laboratory: HUAWEI SAR/HAC Lab

### Huawei Watch WIFI2.4G 802.11b 1CH Front side 10mm with Battery 2#

**DUT: HUAWEI WATCH; Type: HUAWEI WATCH; Serial: SAR2**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.777$  S/m;  $\epsilon_r = 37.965$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(6.7, 6.7, 6.7); Calibrated: 2015-4-30;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 2015-4-27
- Phantom: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.264 W/kg

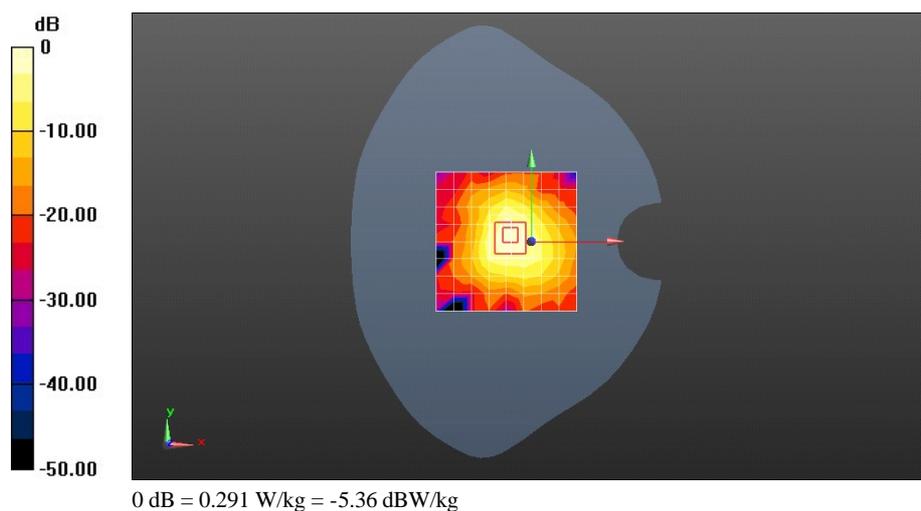
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.15 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.452 W/kg

**SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.291 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

### Huawei Watch WIFI2.4G 802.11b 1CH Back side 0mm with Battery 2#

DUT: HUAWEI WATCH; Type: HUAWEI WATCH; Serial: SAR2

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.966$  S/m;  $\epsilon_r = 50.953$ ;  $\rho = 1000$  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: SAM4; Type: SAM; Serial: TP-1620
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.795 W/kg

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

Reference Value = 20.30 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.488 W/kg**

Maximum value of SAR (measured) = 0.949 W/kg

