



## Appendix B. SAR Measurement Plots

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WiFi 2450 MHz Next-to-Mouth (10mm)
WiFi 2450 MHz Extremity (0mm)

Test Laboratory: HUAWEI SAR/HAC Lab

## HUAWEI WATCH WiFi 2.4G 802.11b 11CH Front side 10mm -corium2

**DUT: HUAWEI WATCH; Type: Smart Watch; 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;  $\sigma = 1.809$  S/m;  $\epsilon_r = 39.749$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.57, 4.57, 4.57); Calibrated: 2014-9-24;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- 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) = 0.282 W/kg

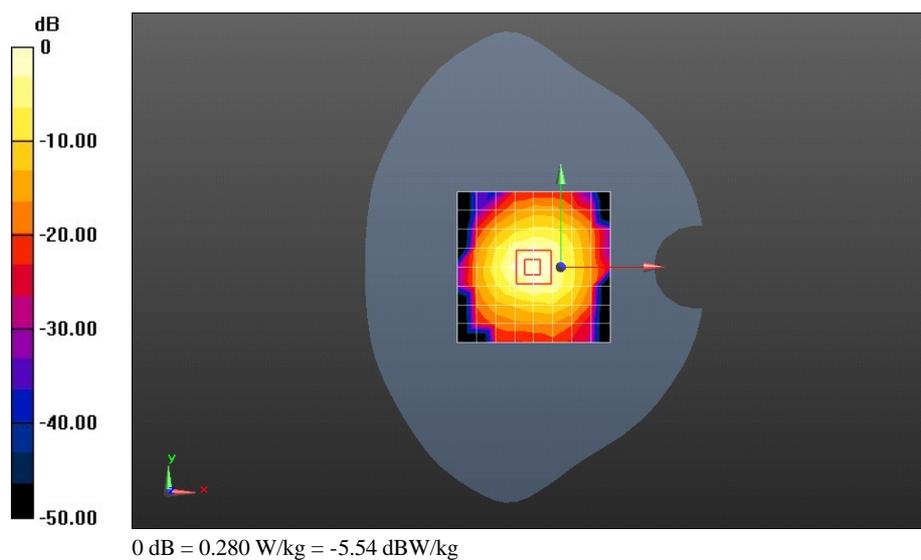
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.52 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.444 W/kg

**SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 0.280 W/kg



Test Laboratory: HUAWEI SAR/HAC Lab

## HUAWEI WATCH WiFi 2.4G 802.11b 11CH Back side 0mm-corium1

**DUT: HUAWEI WATCH; Type: Smart Watch; 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;  $\sigma = 2.008$  S/m;  $\epsilon_r = 53.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.29, 4.29, 4.29); Calibrated: 2014-9-24;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE4 Sn1236; Calibrated: 2014-11-13
- 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) = 0.621 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 13.87 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.324 W/kg**

Maximum value of SAR (measured) = 0.648 W/kg

