



### Appendix B SAR Measurement Plots

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<b>WIFI 2.4G</b>
<b>BT</b>

Test Laboratory: HUAWEI SAR/HAC Lab

## LEO-BX9 WiFi 2.4G 802.11b 1CH Front Side 10mm

**DUT: LEO-BX9; Type: Smart Watch; Serial: SAR3**

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.793$  S/m;  $\epsilon_r = 39.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.39, 7.39, 7.39); Calibrated: 2016/9/29;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2016/9/28
- ε Phantom: SAM5; Type: QD000P40CD; Serial: TP:1894
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (8x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.266 W/kg

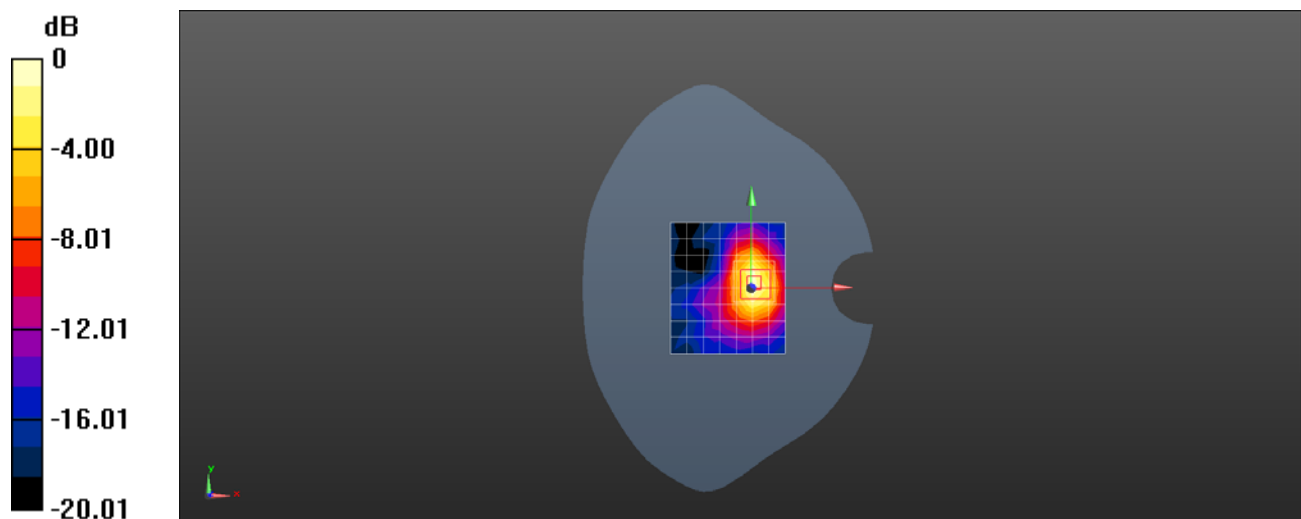
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.768 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.373 W/kg

**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.255 W/kg



0 dB = 0.266 W/kg = -5.75 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LEO-BX9 WiFi 2.4G 802.11b 6CH Back Side 0mm

**DUT: LEO-BX9; Type: Smart Watch; Serial: SAR3**

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.936$  S/m;  $\epsilon_r = 53.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/9/29;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2016/9/28
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (9x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.240 W/kg

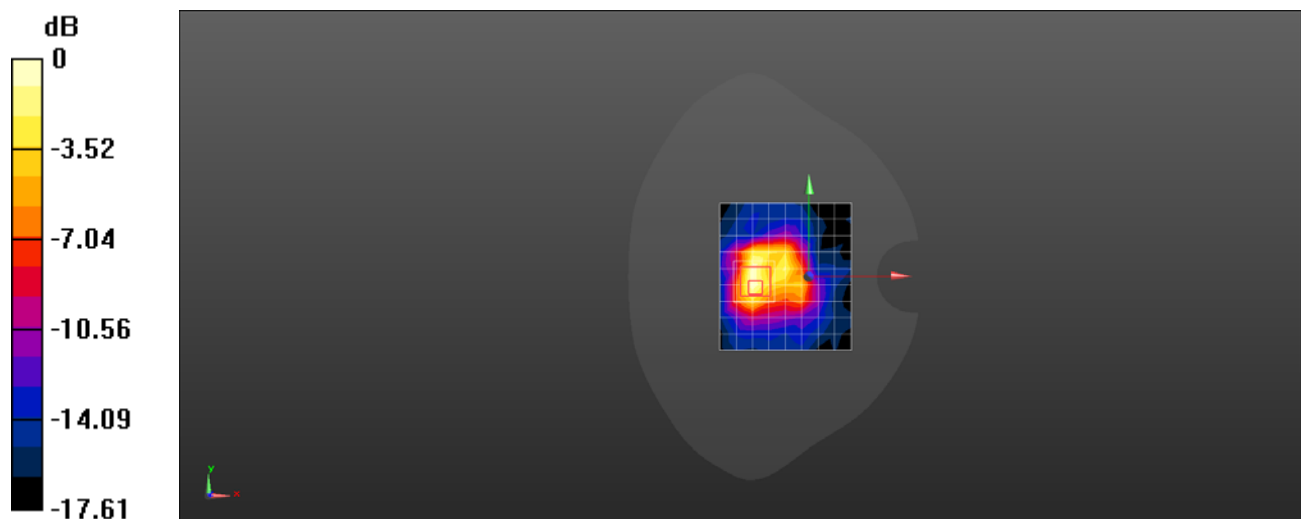
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.167 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.240 W/kg = -6.20 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## LEO-BX9 BT DH5 78CH Back Side 0mm

**DUT: LEO-BX9; Type: Smart Watch; Serial: SAR3**

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

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.973$  S/m;  $\epsilon_r = 53.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN7381; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/9/29;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- ε Electronics: DAE4 Sn1492; Calibrated: 2016/9/28
- ε Phantom: SAM6; Type: QD 000 P40 CD; Serial: 1892
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (8x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.146 W/kg

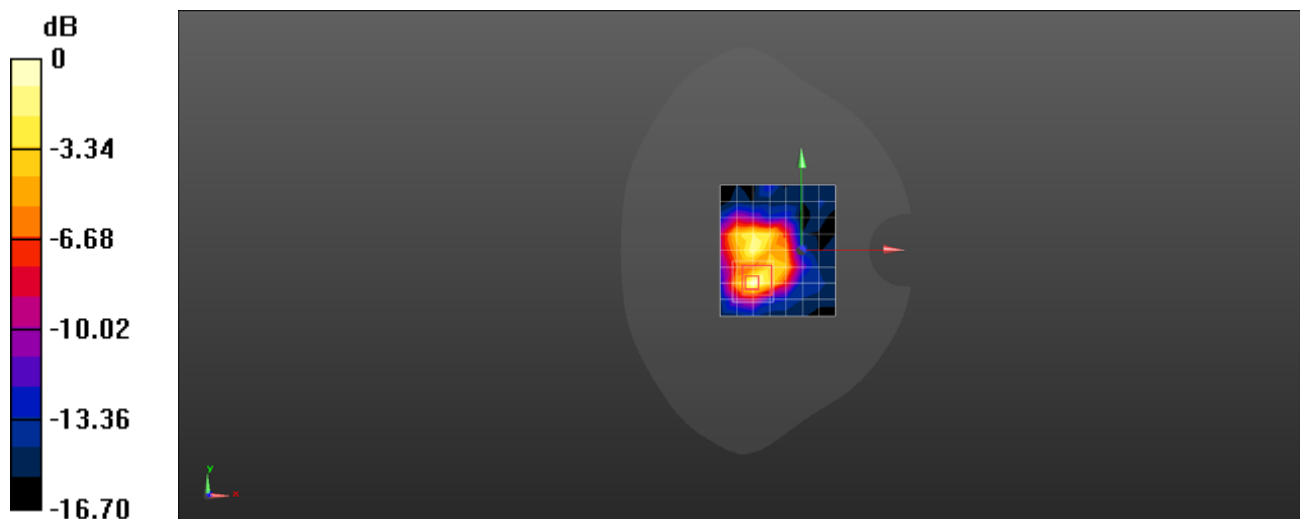
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.155 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.146 W/kg = -8.35 dBW/kg