



Appendix B. SAR Measurement Plots

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WIFI 2.4G
BT

Test Laboratory: HUAWEI SAR/HAC Lab

LEO-BX9 WiFi 2.4G 802.11b 1CH Front Side 10mm battery2

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; $\sigma = 1.789$ S/m; $\epsilon_r = 40.053$; $\rho = 1000$ kg/m³

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) = 0.320 W/kg

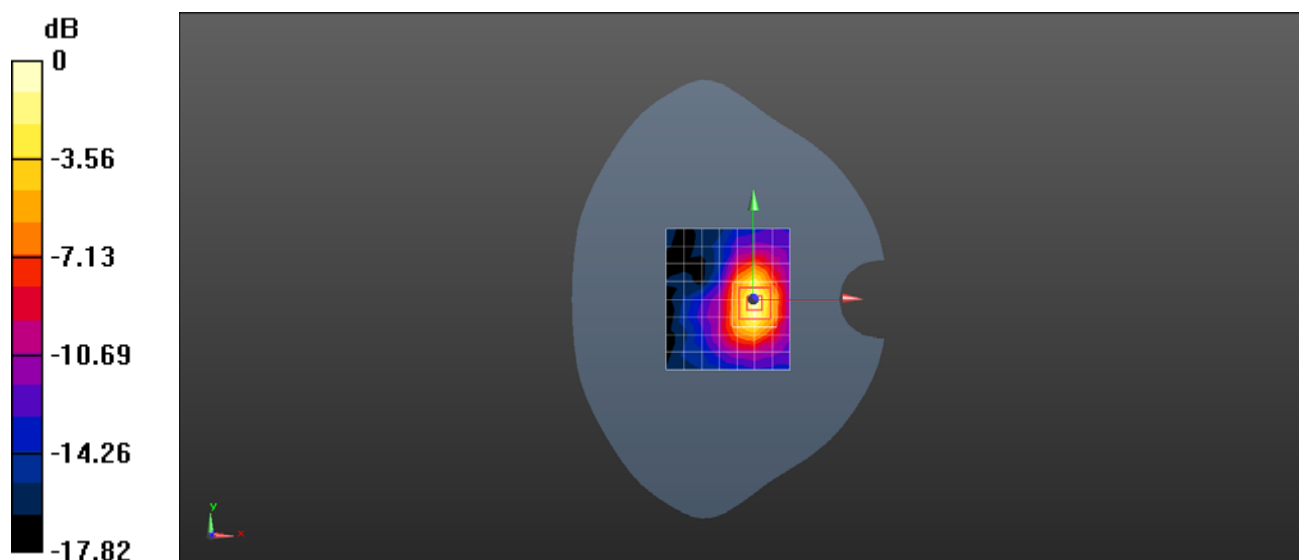
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.104 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.320 W/kg = -4.94 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

LEO-BX9 WiFi 2.4G 802.11b 6CH Back Side 0mm battery2

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; $\sigma = 1.974$ S/m; $\epsilon_r = 54.004$; $\rho = 1000$ kg/m³

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) = 0.163 W/kg

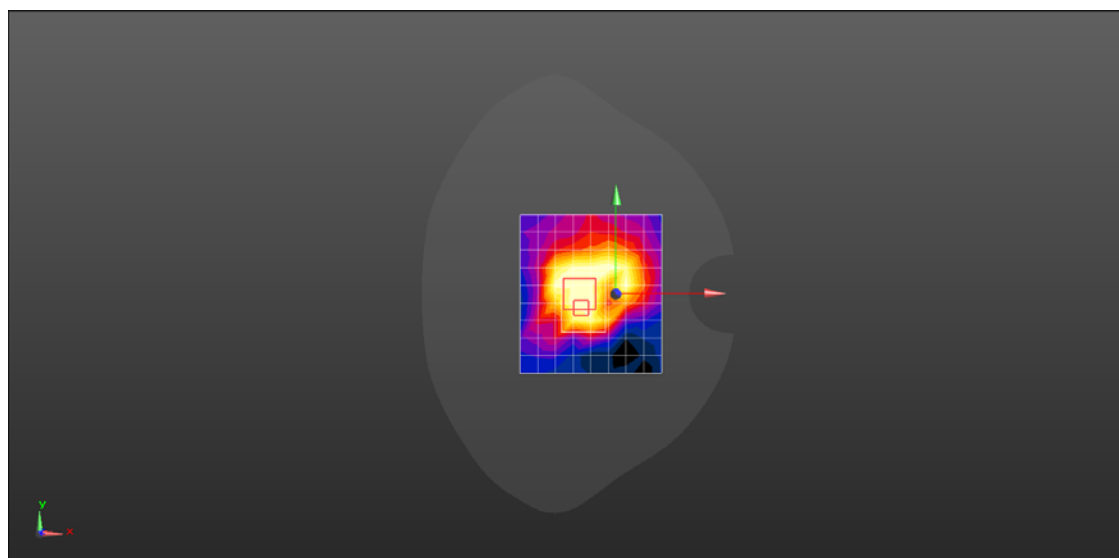
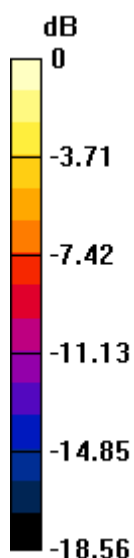
Configuration/Body/Zoom Scan (7x9x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.463 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.163 W/kg = -7.89 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

LEO-BX9 Classic BT DH5 78CH Back Side 0mm with battery2

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; $\sigma = 2.011$ S/m; $\epsilon_r = 53.915$; $\rho = 1000$ kg/m³

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) = 0.149 W/kg

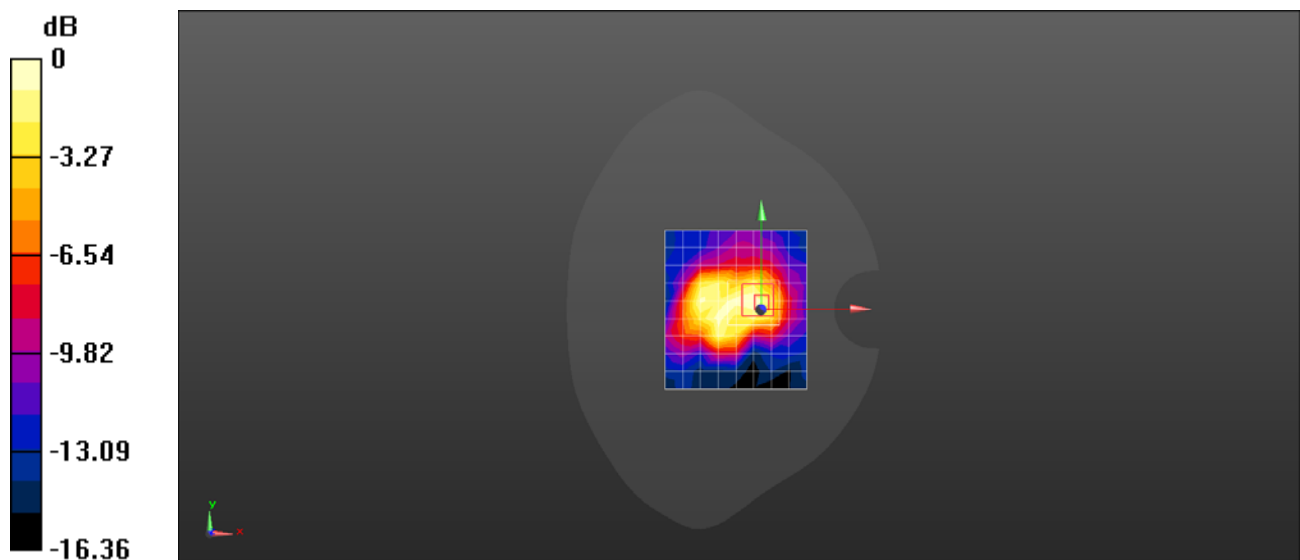
Configuration/Body/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.186 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.149 W/kg = -8.25 dBW/kg