



## Appendix B. SAR Measurement Plots

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<b>Next to Mouth SAR</b>
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Place of testing: HUAWEI SAR/HAC Lab

### JPT-B19 2.4G Wi-Fi 802.11b 6CH Front Side 10mm-Battery 1#with silica gel strap

**DUT: JPT-B29; Type: Smart Watch; Serial: SAR3**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.00972

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.733$  S/m;  $\epsilon_r = 37.401$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.37, 7.37, 7.37) @ 2437 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Next to Mouth/Area Scan (7x8x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.0919 W/kg

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

Reference Value = 6.625 V/m; Power Drift = -0.06 dB

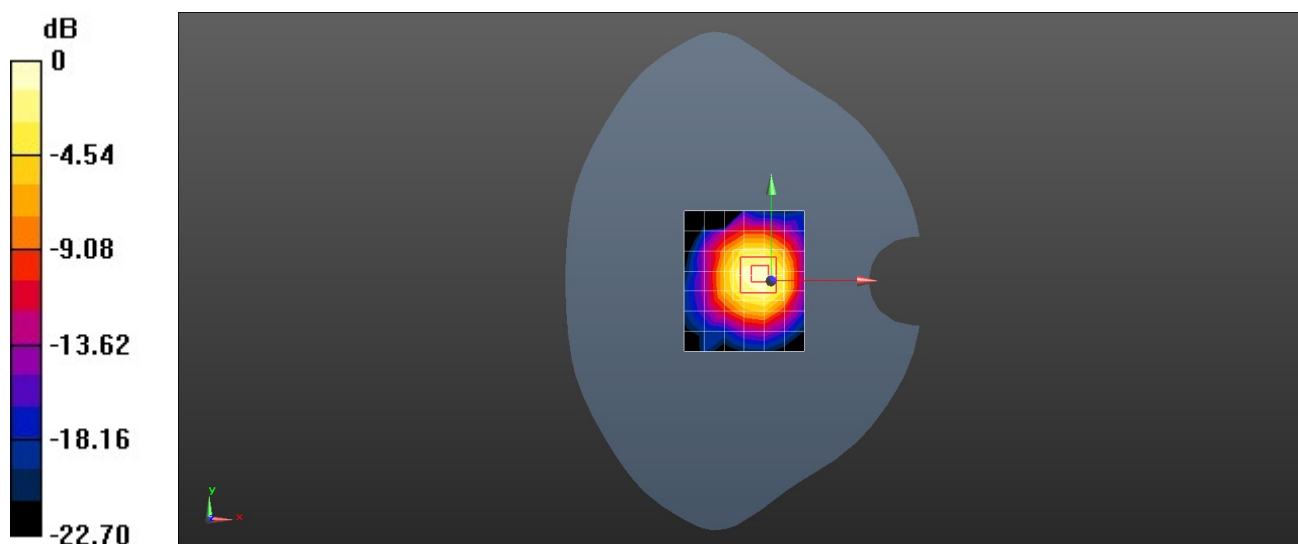
Peak SAR (extrapolated) = 0.107 W/kg

**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.036 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 65.8%

Maximum value of SAR (measured) = 0.0926 W/kg



0 dB = 0.0926 W/kg = -10.33 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

### JPT-B19 BT DH5 39CH Front Side 10mm-Battery 1#with silica gel strap

**DUT: JPT-B29; Type: Smart Watch; Serial: SAR3**

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.30377

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.736$  S/m;  $\epsilon_r = 37.394$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.37, 7.37, 7.37) @ 2441 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Next to Mouth/Area Scan (7x8x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 0.0380 W/kg

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

Reference Value = 5.003 V/m; Power Drift = 0.15 dB

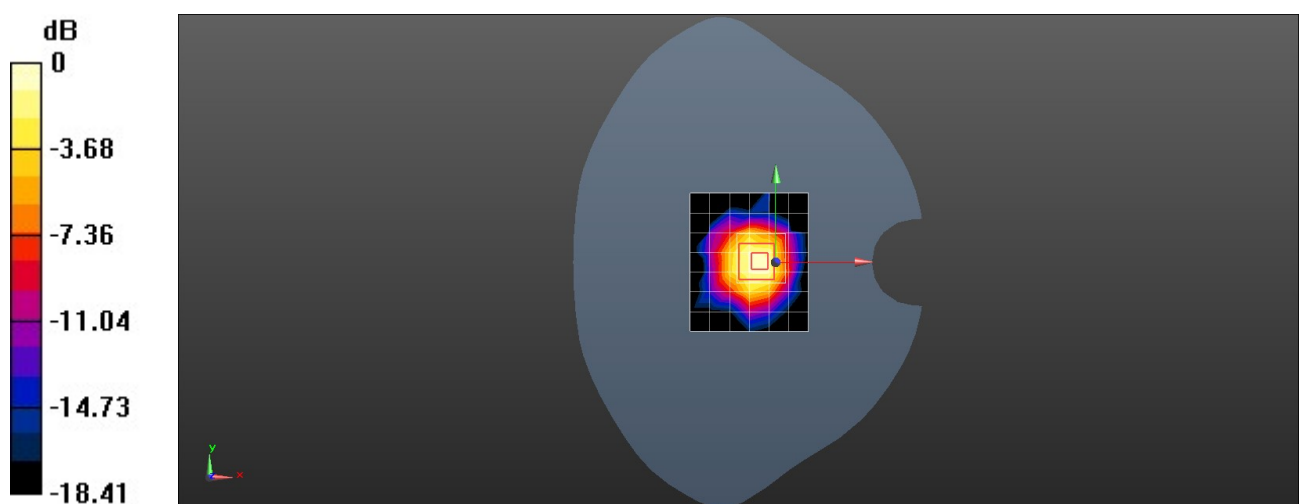
Peak SAR (extrapolated) = 0.0550 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.018 W/kg**

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 0.0478 W/kg



0 dB = 0.0478 W/kg = -13.20 dBW/kg

Place of testing: HUAWEI SAR/HAC Lab

### JPT-B19 2.4G Wi-Fi 802.11b 6CH Back Side 0mm-Battery 1#with silica gel strap

**DUT: JPT-B29; Type: Smart Watch; Serial: SAR3**

Communication System: UID 0, WiFi(802.11a/b/g/n/ac) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.00972

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.733$  S/m;  $\epsilon_r = 37.401$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3744; ConvF(7.37, 7.37, 7.37) @ 2437 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1492; Calibrated: 2021-07-28
- Phantom: SAM1; Type: SAM; Serial: 1475
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/10-g Extremity SAR/Area Scan (7x8x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.391 W/kg

**Configuration/10-g Extremity SAR/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.89 V/m; Power Drift = -0.20 dB

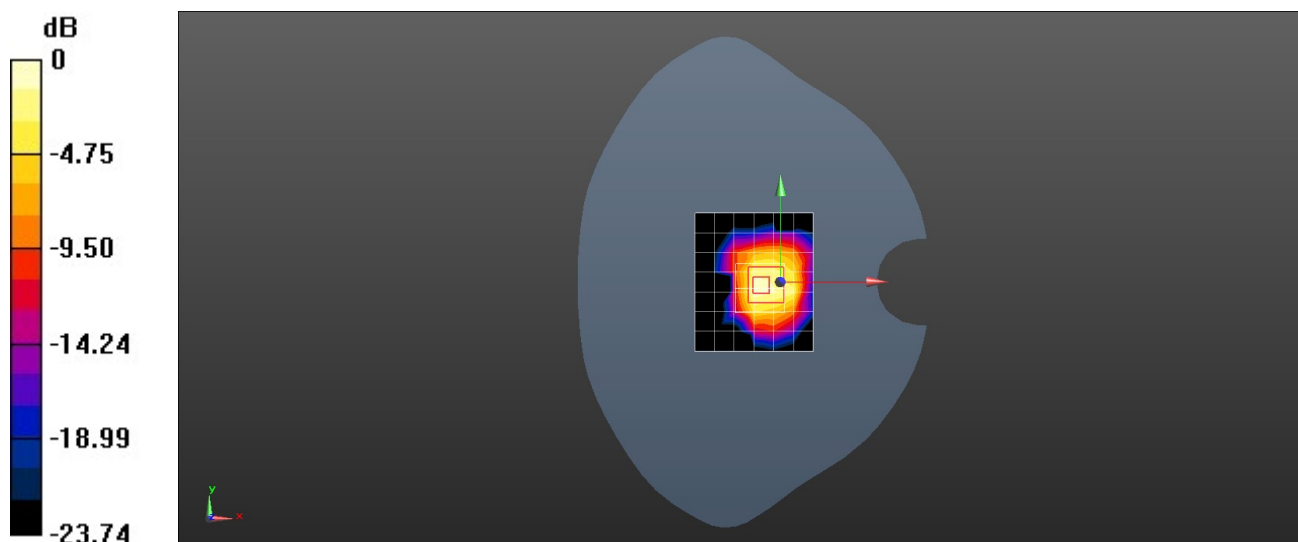
Peak SAR (extrapolated) = 0.515 W/kg

**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.158 W/kg**

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 62%

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg