

# Appendix B

## Highest Test Plots

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# 1. BT Head & Extremities 0mm SAR

Date: 29.08.2022

Test Laboratory: Tianjin Dongdian Testing Service CO., Ltd

## BT

DUT: arpara AIO 5K; M/N:VRM 1020WNA

Communication System: UID 0, Bluetooth (0); Communication System Band: Bluetooth; Frequency: 2441 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005

Medium parameters used :  $f = 2441$  MHz;  $\sigma = 1.762$  S/m;  $\epsilon_r = 37.319$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

### DASY Configuration:

- Probe: EX3DV4 - SN3906; ComvF(7.69, 7.69, 7.69); Calibrated: 27.02.2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 21.01.2022
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: 1752
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Limb bottom Side BT DH5 CH39/Area Scan (12x12x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.226 W/kg

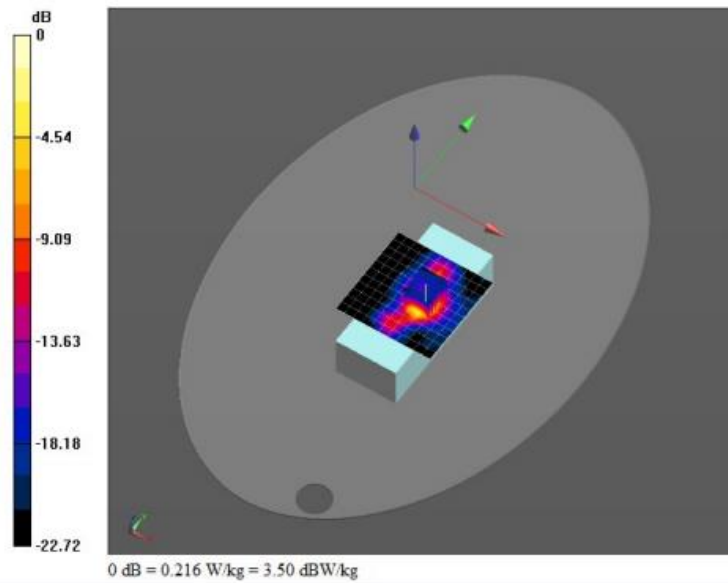
**Configuration/Limb bottom Side BT DH5 CH39/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.516 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.216 W/kg



## 2. WIFI\_2.4G Head & Extremities SAR

Date: 29.08.2022

Test Laboratory: Tianjin Dongdian Testing Service CO., Ltd

### 2.4G Wifi

DUT: arpara AIO 5K; M/N:VRM 1020WNA

Communication System: UID 0, 2.4G wifi (0); Communication System Band: 11g; Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.746$  S/m;  $\epsilon_r = 37.494$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

#### DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(7.69, 7.69, 7.69); Calibrated: 27.02.2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 21.01.2022
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASYS 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Limb ANT1 Bottom Side 11b 1M CH1/Area Scan (12x12x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 2.05 W/kg

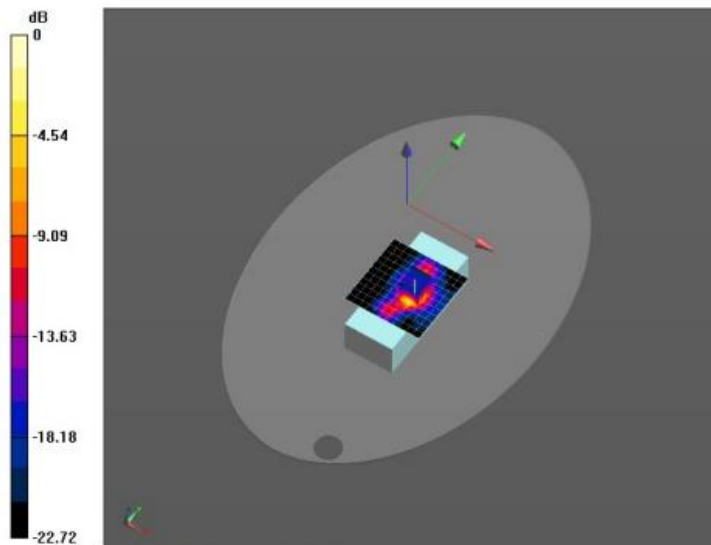
**Configuration/Limb ANT1 Bottom Side 11b 1M CH1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.27 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.516 W/kg

Maximum value of SAR (measured) = 2.24 W/kg



### 3. WIFI\_5G Head & Extremities SAR

Date: 30.08.2022

Test Laboratory: Tianjin Dongdian Testing Service CO., Ltd

#### 5G B1

DUT: arpara AIO 5K; M/N:VRM 1020WNA

Communication System: UID 0, 5G Wifi (0); Communication System Band: 5G wifi; Frequency: 5230 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005  
Medium parameters used:  $f = 5230$  MHz;  $\sigma = 4.547$  S/m;  $\epsilon_r = 36.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

#### DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(5.7, 5.7, 5.7); Calibrated: 27.02.2022;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 21.01.2022
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: 1752
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Limb ANT2 Top Side CH46/Area Scan (11x11x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 2.36 W/kg

**Configuration/Limb ANT2 Top Side CH46/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.885 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 6.79 W/kg

SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 3.44 W/kg

