

# Appendix B

## Highest Test Plots

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# 1. BT Body-worn 0mm SAR

Date: 24.05.2024

Test Laboratory: Guangdong Dongdian Testing Service Co., Ltd.

Q23120820-2E

DUT: BLUETOOTH AMBIENT LIGHT; Model Number: PARTYLIGHT STICK; Serial: S23120820-003

Communication System: UID 0, Bluetooth (0); Communication System Band: BLE; Frequency: 2480 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005  
Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.843$  S/m;  $\epsilon_r = 39.264$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(7.95, 7.95, 7.95); Calibrated: 29.04.2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 29.04.2024
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Front side BLE 2480/Area Scan (5x33x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 0.0950 W/kg**Configuration/Front side BLE 2480/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 6.154 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.223 W/kg  
SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.028 W/kg  
Maximum value of SAR (measured) = 0.131 W/kg