

Appendix B

Highest Test Plots

Table of Contents

1. 2.4G Body-worn 0mm SAR 3

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Date: 11.12.2024

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

Q24091107-1E

DUT: All-in-One Remote; Type: ERCU1-US; Serial: S24091107-003

Communication System: UID 0, Bluetooth (0); Communication System Band: BLE; Frequency: 2402 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used (interpolated): $f = 2402\text{ MHz}$; $\sigma = 1.775\text{ S/m}$; $\epsilon_r = 40.091$; $\rho = 1000\text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(7.95, 7.95, 7.95) @ 2402 MHz; 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 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Left side SRD 2402/Area Scan (9x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.133 W/kg

Configuration/Left side SRD 2402/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 5.458 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.228 W/kg
SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.032 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 39.1%

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.149 W/kg

