

Appendix B

Highest Test Plots

Table of Contents

1. 2.4G Body-worn 0mm SAR 3

1. 2.4G Body-worn 0mm SAR

Date: 26.11.2024

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

Q24111205-2E

DUT: Portable Bluetooth Speaker; Type: BOOMBOX 3; Serial: S24111205-2E

Communication System: UID 0, Bluetooth (0); Communication System Band: Bluetooth; Frequency: 2407 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005

Medium parameters used (interpolated): $f = 2407\text{ MHz}$, $\sigma = 1.781\text{ S/m}$, $\epsilon_r = 40.1$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3906; ComF(7.95, 7.95, 7.95) @ 2407 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/Back side SRD DH5 2407/Area Scan (16x41x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.453 W/kg

Configuration/Back side SRD DH5 2407/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.971 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.593 W/kg

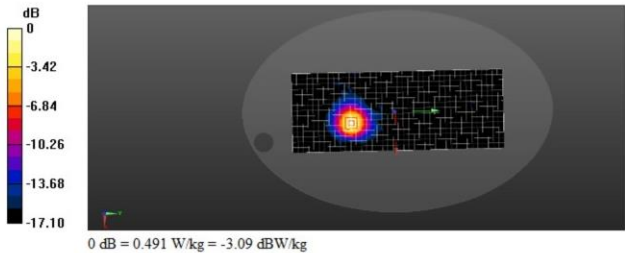
SAR(1 g) = 0.315 W/kg; SAR(10 g) = 0.161 W/kg

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.491 W/kg



Date: 26.11.2024

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

Q24111205-2E

DUT: Portable Bluetooth Speaker; Type: BOOMBOX 3; Serial: S24111205-2E

Communication System: UID 0, Bluetooth (0); Communication System Band: Bluetooth; Frequency: 2402 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005

Medium parameters used (interpolated): $f = 2402\text{ MHz}$, $\sigma = 1.777\text{ S/m}$, $\epsilon_r = 40.111$, $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ComF(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/Back side DHS 2402/Area Scan (16x41x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.362 W/kg

Configuration/Back side DHS 2402/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.016 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.130 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.386 W/kg

