

Appendix B

Highest Test Plots

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1. BT Body-worn 0mm SAR

Date: 30.01.2024

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

Q23111312-2E

DUT: Wireless Speaker; Model Number: BOOMBOX 3 Wi-Fi; Serial: S23111312-02

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 (interpolated): $f = 2441$ MHz; $\sigma = 1.711$ S/m; $\epsilon_r = 39.62$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(8, 8, 8); Calibrated: 21.04.2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 10.04.2023
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Front side 3DH5 2441/Area Scan (16x40x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0401 W/kg

Configuration/Front side 3DH5 2441/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

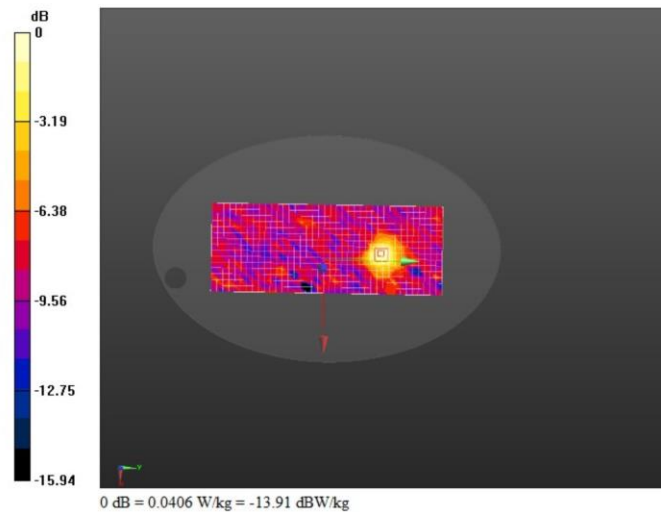
Reference Value = 1.839 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0510 W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.016 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.0406 W/kg



2. WIFI_2.4G Body-worn 0mm SAR

Date: 30.01.2024

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

Q23111312-2E

DUT: Wireless Speaker; Model Number: BOOMBOX 3 Wi-Fi; Serial: S23111312-02

Communication System: UID 0, 2.4G wifi (0); Communication System Band: 11b; Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.688$ S/m; $\epsilon_r = 39.635$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(8, 8, 8); Calibrated: 21.04.2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 10.04.2023
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ANT1 Top side 11B 2412/Area Scan (16x40x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.800 W/kg

Configuration/ANT1 Top side 11B 2412/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

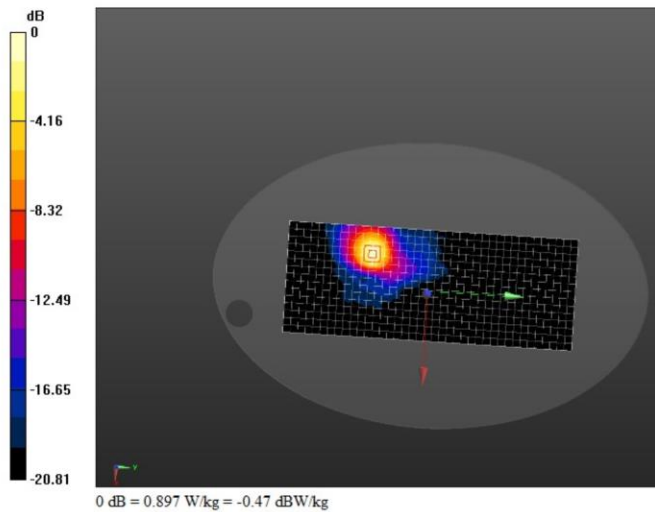
Reference Value = 2.017 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.283 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.897 W/kg



Date: 30.01.2024

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

Q23111312-2E**DUT: Wireless Speaker; Model Number: BOOMBOX 3 Wi-Fi; Serial: S23111312-02**

Communication System: UID 0, 2.4G wifi (0); Communication System Band: 11b; Frequency: 2412 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.688$ S/m; $\epsilon_r = 39.635$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(8, 8, 8); Calibrated: 21.04.2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 10.04.2023
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ANT2 Top side 11B 2412/Area Scan (16x40x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.18 W/kg

Configuration/ANT2 Top side 11B 2412/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

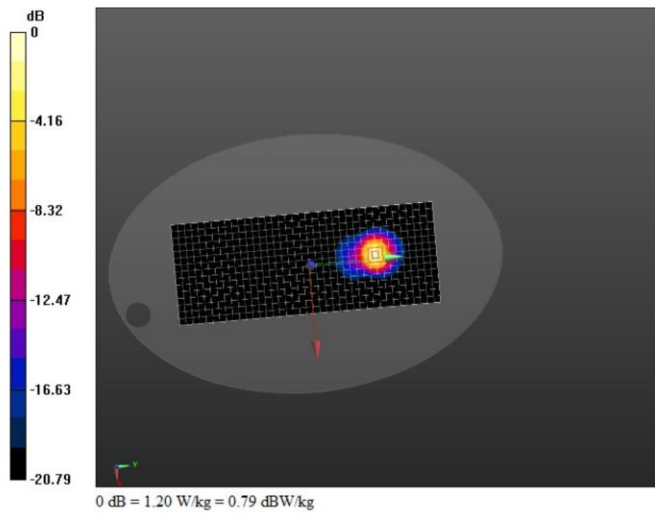
Reference Value = 1.305 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.346 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.20 W/kg



3. WIFI_5G Body-worn 0mm SAR

Date: 01.02.2024

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

Q23111312-2E

DUT: Wireless Speaker; Model Number: BOOMBOX 3 Wi-Fi; Serial: S23111312-02

Communication System: UID 0, 5G Wifi (0); Communication System Band: 5G wifi; Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: $f = 5580$ MHz; $\sigma = 4.898$ S/m; $\epsilon_r = 35.838$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

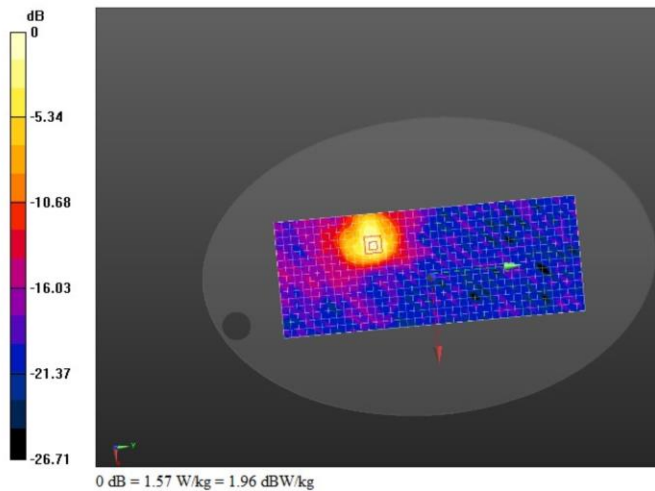
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(5.05, 5.05, 5.05); Calibrated: 21.04.2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn1366; Calibrated: 10.04.2023
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ANT1 Top Side 11A CH116 5580/Area Scan (16x40x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 1.37 W/kg

Configuration/ANT1 Top Side 11A CH116 5580/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm
Reference Value = 1.208 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 1.57 W/kg



Date: 01.02.2024

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

Q23111312-2E

DUT: Wireless Speaker; Model Number: BOOMBOX 3 Wi-Fi; Serial: S23111312-02

Communication System: UID 0, 5G Wifi (0); Communication System Band: 5G wifi; Frequency: 5580 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: $f = 5580$ MHz; $\sigma = 4.898$ S/m; $\epsilon_r = 35.838$; $\rho = 1000$ kg/m³

Phantom section: Flat Section
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(5.05, 5.05, 5.05); Calibrated: 21.04.2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE4 Sn1366; Calibrated: 10.04.2023
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP.1197
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ANT2 Top Side 11A CH116 5580/Area Scan (16x40x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 1.31 W/kg

Configuration/ANT2 Top Side 11A CH116 5580/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=1.4$ mm
Reference Value = 1.677 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 1.34 W/kg

