

# Appendix B

## Highest Test Plots

Table of Contents

1. BT Head-worn 5mm SAR ..... 3

2. BT Head-worn 5mm SAR for ANT2..... 4

3. WIFI\_2.4G Head-worn 5mm SAR ..... 5

4. WIFI\_5G Head-worn 5mm SAR ..... 6

1. BT Head-worn 5mm SAR for ANT1

Date: 13.03.2024

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

Q23110312-6E

DUT: Braille eMotion 40;Model Number:B340T; Serial: S23110312-02

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):  $f = 2441\text{ MHz}$ ;  $\sigma = 1.804\text{ S/m}$ ;  $\epsilon_r = 40.81$ ;  $\rho = 1000\text{ kg/m}^3$

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/Top side DH5 2441/Area Scan (11x34x1): Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.136 W/kg

Configuration/Top side DH5 2441/Zoom Scan (7x7x7)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

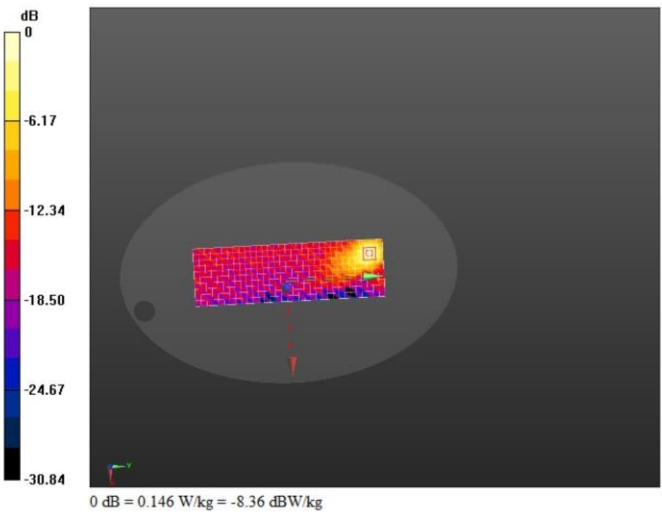
Reference Value = 0.6340 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.043 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.146 W/kg



## 2. BT Head-worn 5mm SAR for ANT2

Date: 13.03.2024

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

Q23110312-6E

DUT: Braille eMotion 40; Model Number: B340T; Serial: S23110312-02

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;  $\sigma = 1.804$  S/m;  $\epsilon_r = 40.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(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 DH5 2441-Single/Area Scan (11x34x1): Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.901 W/kg

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

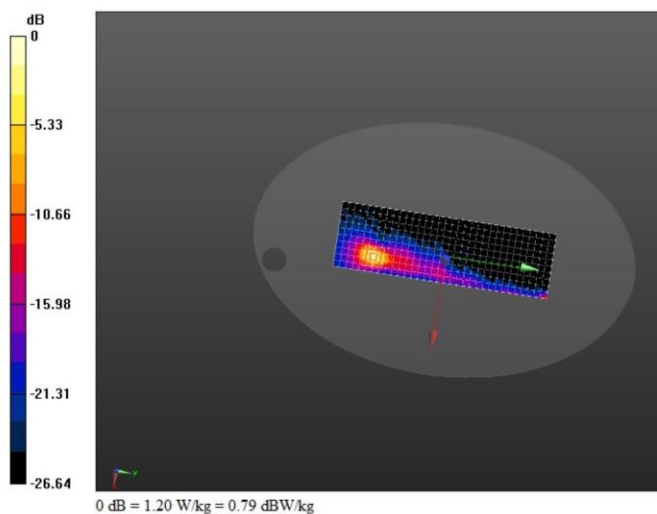
Reference Value = 0.9860 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.221 W/kg

Info: Interpolated medium parameters used for SAR evaluation.

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



3. WIFI\_2.4G Head-worn 5mm SAR for ANT1

Date: 13.03.2024

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

Q23110312-6E

DUT: Braille eMotion 40; Model Number:B340T; Serial: S23110312-02

Communication System: UID 0, 2.4G wifi (0); Communication System Band: 11b; Frequency: 2437 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005  
Medium parameters used (interpolated):  $f = 2437\text{ MHz}$ ;  $\sigma = 1.8\text{ S/m}$ ;  $\epsilon_r = 40.82$ ;  $\rho = 1000\text{ kg/m}^3$   
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

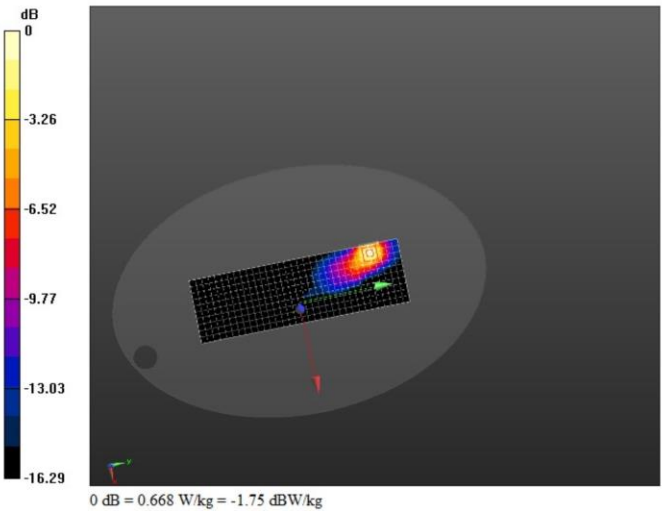
- Probe: EX3DV4 - SN3906; ConvF(8, 8, 8); Calibrated: 21.04.2023;
- Sensor- Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 10.04.2023
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Top side 11b 2437/Area Scan (11x34x1): Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.633 W/kg

Configuration/Top side 11b 2437/Zoom Scan (7x7x7)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 2.793 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.800 W/kg  
SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.214 W/kg

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.668 W/kg



#### 4. WIFI\_5G Head-worn 5mm SAR for ANT1

Date: 18.03.2024

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

Q23110312-6E

DUT: Braille eMotion 40; Model Number: B340T; Serial: S23110312-02

Communication System: UID 0, 5G Wifi (0); Communication System Band: 5G wifi; Frequency: 5320 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005  
Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.639$  S/m;  $\epsilon_r = 36.604$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(5.55, 5.55, 5.55); 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/Top Side 11A CH64 5320/Area Scan (12x34x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.19 W/kg

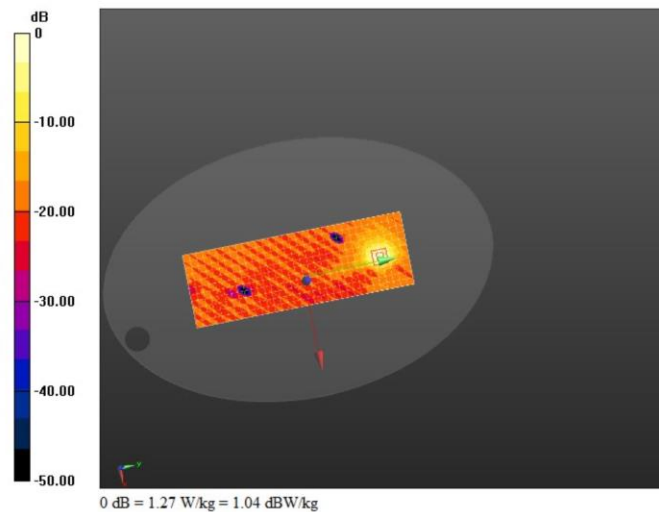
**Configuration/Top Side 11A CH64 5320/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=1.4$ mm

Reference Value = 1.408 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



Date: 18.03.2024

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

**Q23110312-6E****DUT: Braille eMotion 40; Model Number: B340T; Serial: S23110312-02**

Communication System: UID 0, 5G Wifi (0); Communication System Band: 5G wifi; Frequency: 5500 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005

Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.822$  S/m;  $\epsilon_r = 35.942$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

**DASY Configuration:**

- Probe: EX3DV4 - SN3906; ConvF(5.2, 5.2, 5.2); 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/Top Side 11A CH100 5500/Area Scan (12x34x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.973 W/kg

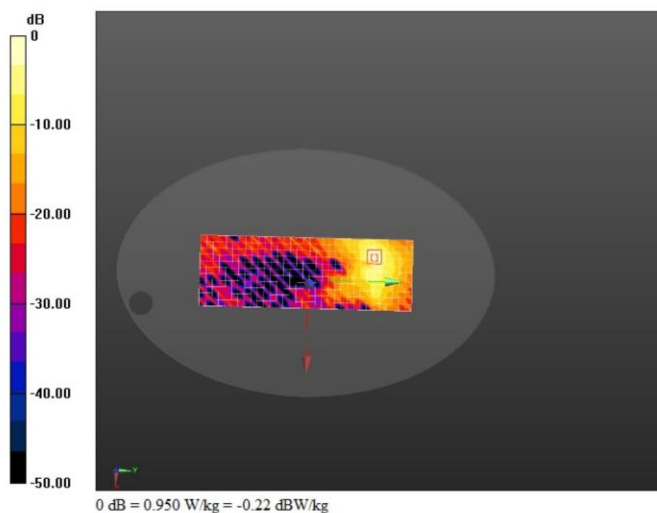
**Configuration/Top Side 11A CH100 5500/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.950 W/kg



Date: 18.03.2024

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

Q23110312-6E

DUT: Braille eMotion 40; Model Number:B340T; Serial: S23110312-02

Communication System: UID 0, 5G Wifi (0); Communication System Band: 5G wifi; Frequency: 5745 MHz;Communication System PAR: 0 dB; PMF: 1.12202e-005  
Medium parameters used (interpolated):  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.065 \text{ S/m}$ ;  $\epsilon_r = 35.34$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(5.06, 5.06, 5.06); 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(1222); SEMCAD X 14.6.10(7331)

Configuration/Top Side 11A CH149 5745/Area Scan (12x34x1): Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 1.34 W/kg

Configuration/Top Side 11A CH149 5745/Zoom Scan (7x7x7)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=1.4\text{mm}$   
Reference Value = 1.120 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 2.35 W/kg  
SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.176 W/kg

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 1.33 W/kg

