

**Appendix B:SAR Measurement results Plots**

<b>Table of contents</b>
<b>2.4G WiFi - Body</b>
<b>5.2G WiFi - Body</b>
<b>5.8G WiFi - Body</b>

Test Laboratory: CTI SAR Lab

**WiFi 802.11b 6CH Front Side 0mm-Repeated****DUT: reMarkable Paper Tablet; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.845$  S/m;  $\epsilon_r = 38.899$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.67, 7.67, 7.67); Calibrated: 2/3/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.52 W/kg

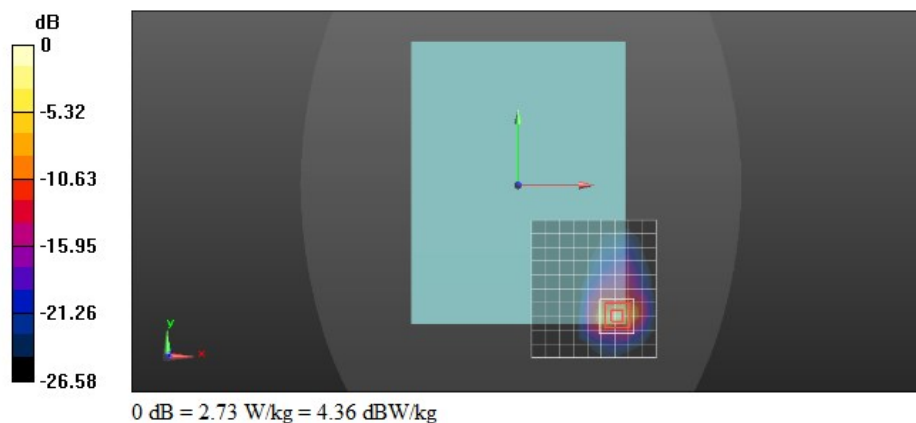
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6810 V/m; Power Drift = -0.74 dB

Peak SAR (extrapolated) = 3.73 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.373 W/kg**

Maximum value of SAR (measured) = 2.73 W/kg



Test Laboratory: CTI SAR Lab

## WiFi 802.11g 1CH Front Side 0mm

**DUT: reMarkable Paper Tablet; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.804$  S/m;  $\epsilon_r = 38.986$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.67, 7.67, 7.67); Calibrated: 2/3/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (9x10x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.48 W/kg

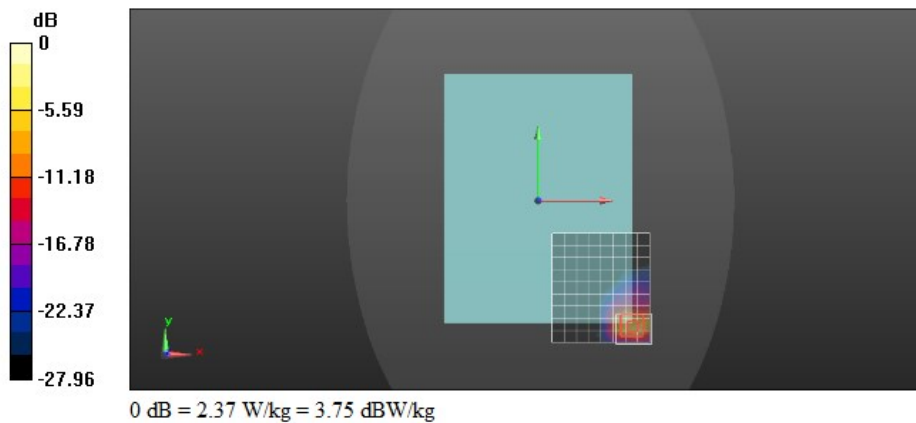
**Configuration/Body/Zoom Scan (8x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.5460 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 3.97 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.355 W/kg**

Maximum value of SAR (measured) = 2.37 W/kg



Test Laboratory: CTI SAR Lab

### Tablet WiFi 802.11a 48CH Bottom Side 0mm

DUT: reMarkable Paper Tablet; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.2G; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.771$  S/m;  $\epsilon_r = 36.004$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(5.44, 5.44, 5.44); Calibrated: 2/3/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x13x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.54 W/kg

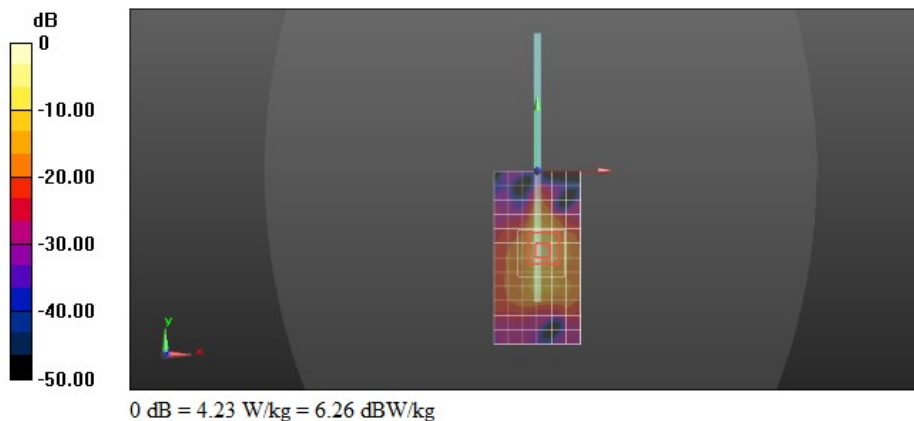
**Configuration/Body/Zoom Scan (9x9x16)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 2.063 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 9.09 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 4.23 W/kg



Test Laboratory: CTI SAR Lab

### Tablet WiFi 802.11a 157CH Bottom Side 0mm

DUT: reMarkable Paper Tablet; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.8G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.293$  S/m;  $\epsilon_r = 35.547$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(4.85, 4.85, 4.85); Calibrated: 2/3/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2021
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (7x13x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 3.41 W/kg

**Configuration/Body/Zoom Scan (9x9x16)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 2.890 V/m; Power Drift = 0.65 dB

Peak SAR (extrapolated) = 9.28 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 4.57 W/kg

