

Appendix B:SAR Measurement results Plots

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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/m³

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: $dx=12$ mm, $dy=12$ mm

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

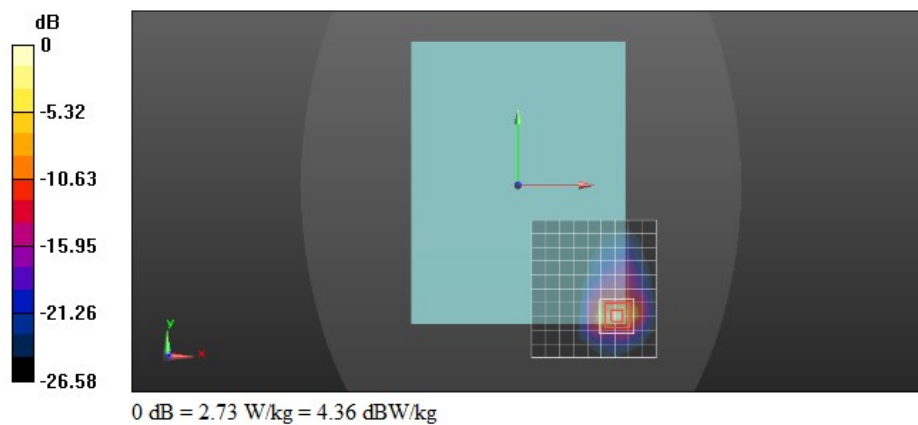
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

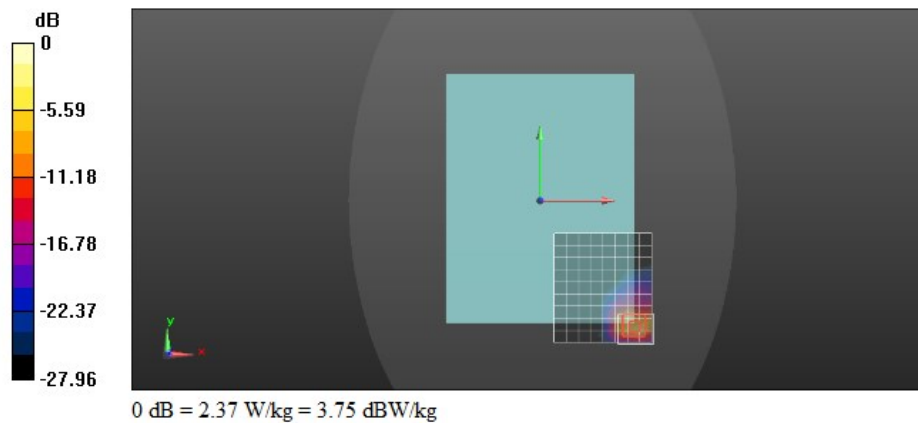
Configuration/Body/Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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/m³

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

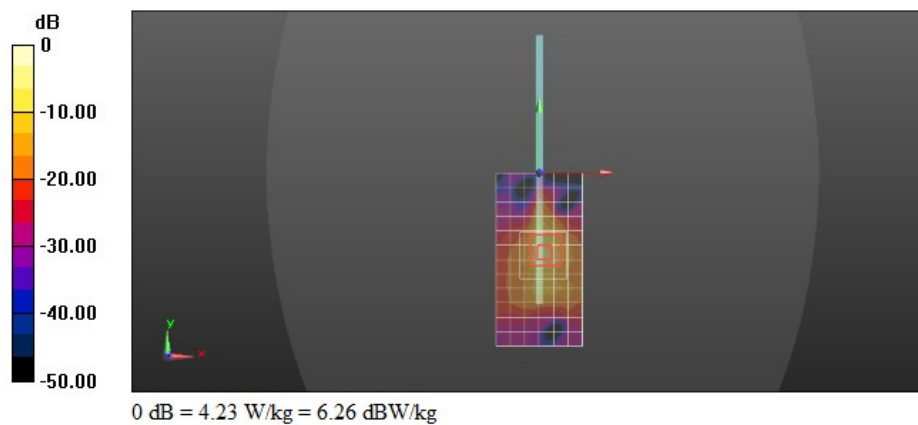
Configuration/Body/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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/m³

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

