

Appendix B:SAR Measurement results Plots

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WIFI 2.4G- Body
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Test Laboratory: CTI SAR Lab

Tablet WiFi 802.11b 11CH Back Side 0mm-Repeated

DUT: reMarkable paper tablet; **Type:** FUSION; **Serial:** N/A

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.365$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.47, 7.47, 7.47); Calibrated: 3/1/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2019
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 1.53 W/kg

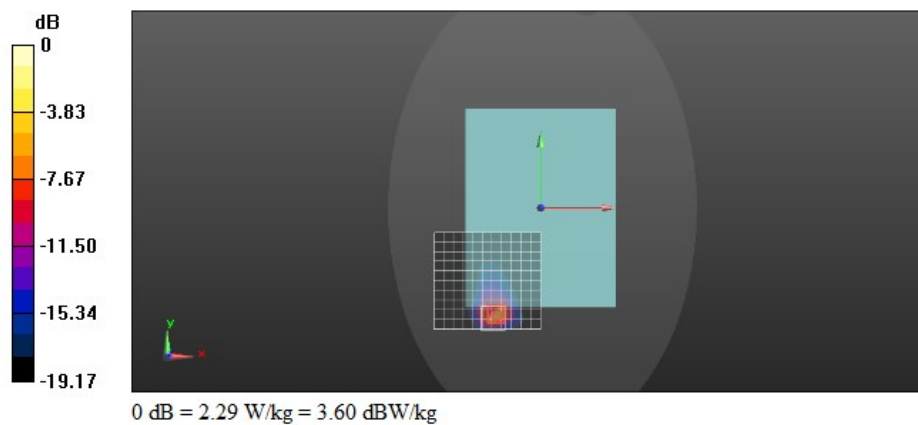
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.002 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 2.29 W/kg



Test Laboratory: CTI SAR Lab

Tablet WiFi 802.11g 11CH Back Side 0mm

DUT: reMarkable 2; Type: RM110; Serial: N/A

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.365$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.47, 7.47, 7.47); Calibrated: 3/1/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2019
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.604 W/kg

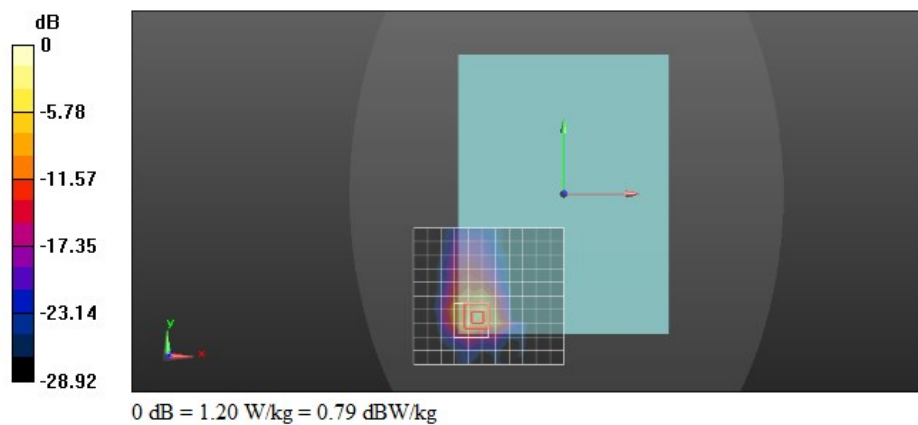
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.204 W/kg

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



Test Laboratory: CTI SAR Lab

Tablet WiFi 802.11a 40CH Bottom Side 0mm

DUT: reMarkable 2; Type: RM110; Serial: N/A

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.2G; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.564$ S/m; $\epsilon_r = 35.837$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(5.38, 5.38, 5.38); Calibrated: 3/1/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2019
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x12x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.25 W/kg

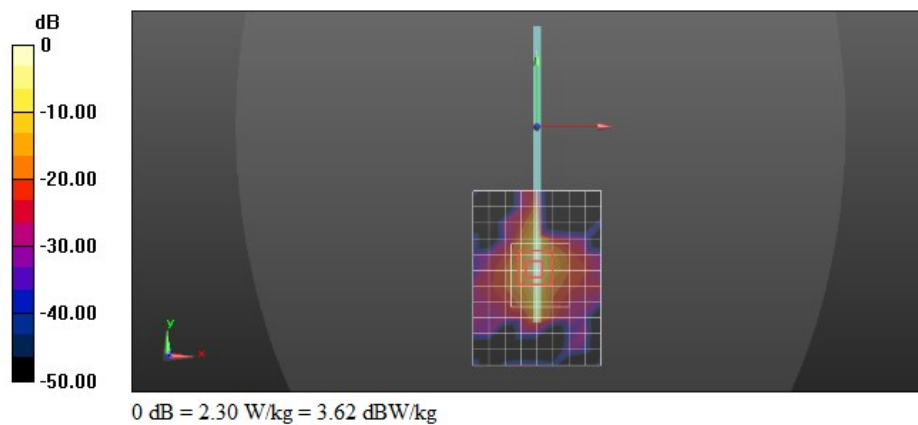
Configuration/Body/Zoom Scan (10x11x13)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 5.77 W/kg

SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.173 W/kg

Maximum value of SAR (measured) = 2.30 W/kg



Test Laboratory: CTI SAR Lab

Tablet WiFi 802.11a 157CH Back Side 0mm

DUT: reMarkable 2; Type: RM110; Serial: N/A

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; $\sigma = 5.336$ S/m; $\epsilon_r = 35.421$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(4.75, 4.75, 4.75); Calibrated: 3/1/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 2/26/2019
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (13x11x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.16 W/kg

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

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

Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 1.42 W/kg

