

Appendix B:SAR Measurement results Plots

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2.4G WiFi Body
5.2G WiFi Body
5.8G WiFi Body

Test Laboratory: CTI SAR Lab

802.11b 6CH Position 4 with 0mm

DUT: Portable PC; 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; $\sigma = 1.779$ S/m; $\epsilon_r = 39.859$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.68, 7.68, 7.68); Calibrated: 2/8/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2020
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.93 W/kg

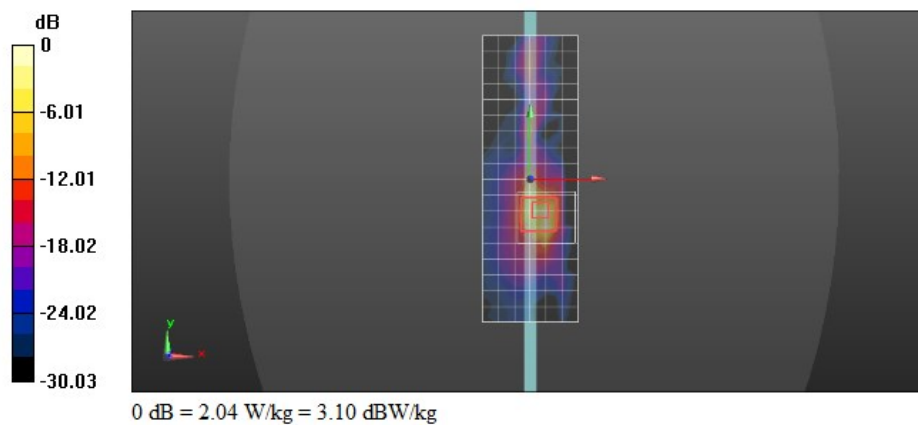
Configuration/Body/Zoom Scan (10x9x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 9.222 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.39 W/kg

SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 2.04 W/kg



Test Laboratory: CTI SAR Lab

802.11n40 38CH Position 3 with 0mm

DUT: Portable PC; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.2G; Frequency: 5190 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5190$ MHz; $\sigma = 4.675$ S/m; $\epsilon_r = 36.514$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(5.46, 5.46, 5.46); Calibrated: 2/8/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2020
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (13x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.70 W/kg

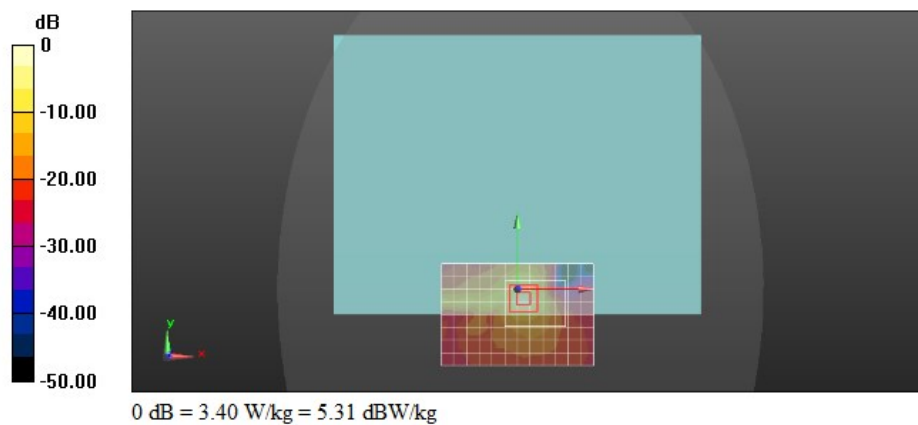
Configuration/Body/Zoom Scan (13x10x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 16.00 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 6.37 W/kg

SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 3.40 W/kg



Test Laboratory: CTI SAR Lab

802.11n40 151CH Position 3 with 0mm

DUT: Portable PC; Type: NA; Serial: NA

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi 5.8G; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5755$ MHz; $\sigma = 5.453$ S/m; $\epsilon_r = 35.724$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(4.9, 4.9, 4.9); Calibrated: 2/8/2020;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/8/2020
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: 2024
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (13x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.62 W/kg

Configuration/Body/Zoom Scan (13x10x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.333 V/m; Power Drift = -1.04 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 2.11 W/kg

