

Appendix B:SAR Measurement results Plots

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| WiFi 2.4G Body    |

Test Laboratory: CTI SAR Lab

**WIFI 2.4G 802.11b 6CH Top Side 0mm****DUT: Thermal printer; Type: NA; Serial: NA**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Communication System PAR: 0 dB; PMF: 1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.75$  S/m;  $\epsilon_r = 39.593$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69) @ 2437 MHz; Calibrated: 5/18/2026
  - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -2.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Configuration/Body/Area Scan (10x13x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.00190 W/kg

**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.913 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0351 W/kg

SAR(1 g) = 0.00712 W/kg; SAR(10 g) = 0.00407 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 39.5%

Maximum value of SAR (measured) = 0.0221 W/kg

