

Test Laboratory: BTL Inc. (Dongguan)

Date: 2026/8/8

W07_WiFi 2.4G_802.11b_CH1_Back Side_0mm**DUT: Test sample;**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412 MHz;
Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.832$ S/m; $\epsilon_r = 40.075$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.57, 7.57, 7.57) @ 2412 MHz; Calibrated:2026/7/6
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2026/4/17
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (9x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.922 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 8.228 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.467 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 42%

Maximum value of SAR (measured) = 2.39 W/kg

