

Test Laboratory: BTL Inc. (Dongguan)

Date: 2026/8/12

W07_WiFi 2.4G_802.11b_CH1_Left 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; $\sigma = 1.831$ S/m; $\epsilon_r = 38.734$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4-SN7693; ConvF(7.29, 7.14, 7.75) @ 2412 MHz; Calibrated: 2025/11/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2025/11/19
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: 1222
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (19x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 1.38 W/kg

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

Reference Value = 2.765 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.487 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 50.2%

Maximum value of SAR (measured) = 1.71 W/kg

