

Test Laboratory: BTL Inc.

Date: 2024/8/05

W06_802.11b_CH6_Horizontal Down_5mm

DUT: Dongle;

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437 \text{ MHz}$; $\sigma = 1.808 \text{ S/m}$; $\epsilon_r = 39.685$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature: 23°C ; Liquid Temperature: 22.5°C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(8.33, 8.33, 8.33) @ 2437 MHz; Calibrated: 2023/10/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (4x7x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 1.45 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 31.61 V/m ; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.1 W/kg ; SAR(10 g) = 0.502 W/kg
Maximum value of SAR (measured) = 1.93 W/kg

