

Appendix B

Detailed Test Results

4. WIFI
WIFI 2.4GHz for Body





Date: 2025/4/29

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 6CH Rear side 0mm**DUT: AutoTQ ; Type: AutoTQ ; Serial: A250411095-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2437 MHz; Duty Cycle: 1:1.095

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.826$ S/m; $\epsilon_r = 38.639$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.43, 7.43, 7.43); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.948 W/kg

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

Reference Value = 15.93 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.921 W/kg

