

Appendix B

Detailed Test Results

1. 2.4G SDR

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Test Laboratory: SGS-SAR Lab

rc30-0561 SRD 2.4G 1M 2440 Top side 5mm

DUT: rc30-0561

Communication System: UID 0, DJI SDR 2.4G (0); Frequency: 2440 MHz;Duty Cycle: 1:1.645

Medium: HSL;Medium parameters used: f = 2440 MHz; $\sigma = 1.751 \text{ S/m}$; $\epsilon_r = 38.226$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.55, 4.41, 4.04); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- Phantom: SAM 6; Type: SAM Twin; Serial: 1438
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.108 W/kg

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

Reference Value = 3.464 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.030 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 39.7%

Maximum value of SAR (measured) = 0.110 W/kg

