Appendix B
Detailed Test Results

1. 2.4G
2.4G for Body 25mm

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Date: 2024/10/08

Test Laboratory: SGS-SAR Lab

PL18 Ultra 2.4G 2440.4MHz Top side 25mm

DUT: PL18 Ultra; Type: Drone controller;

Communication System: UID 0, (2.4GHz) (0); Frequency: 2440.4 MHz;Duty Cycle: 1:4.119

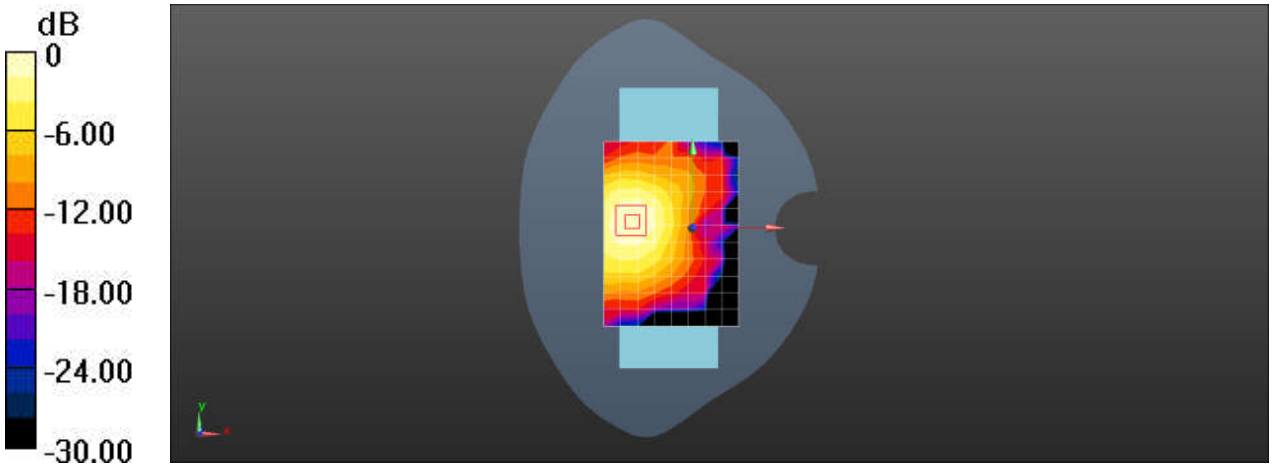
Medium: HSL2450;Medium parameters used: f = 2440.4 MHz; σ = 1.799 S/m; ε_r = 38.764; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/6/5
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x12x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0424 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.917 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0550 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.016 W/kg
Maximum value of SAR (measured) = 0.0449 W/kg



0 dB = 0.0449 W/kg = -13.48 dBW/kg