

Appendix B

Detailed Test Results

902MHz-928MHz for Body&Limbs



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Test Laboratory: SGS-SAR Lab

Sub 2G 20M 915MHz Top side 0mm MIMO, Antenna unfold

DUT: M400 RC sub2G SDR module;

Communication System: UID 0, DJI SDR 2.4G (0); Frequency: 915 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 915 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 42.459$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(9.03, 9.03, 9.03); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.747 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.146 V/m ; Power Drift = 0.00 dB

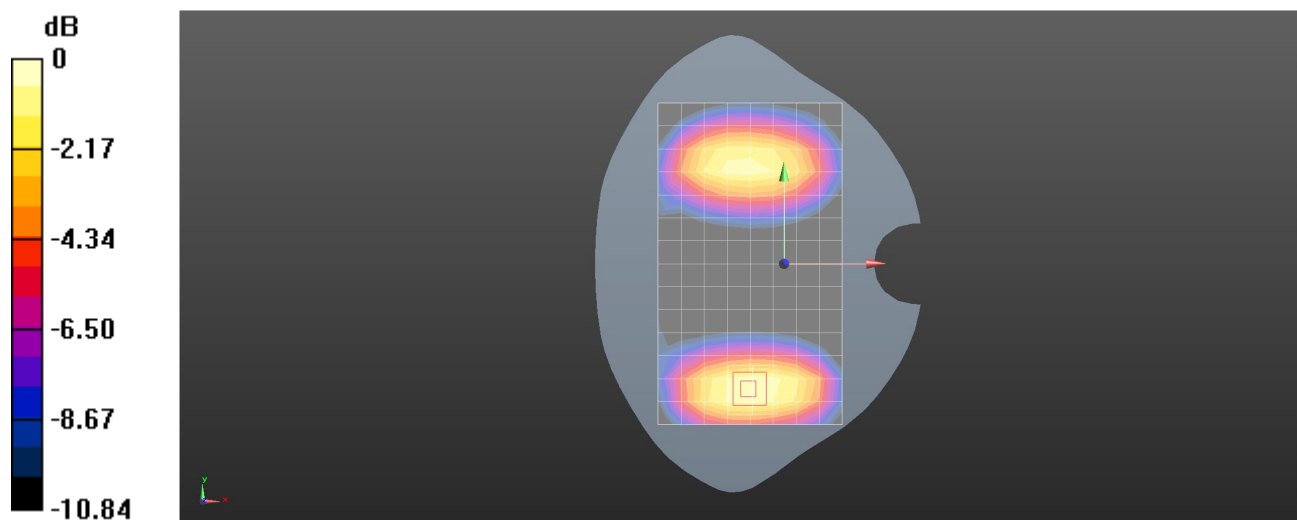
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.700 W/kg ; SAR(10 g) = 0.466 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.945 W/kg



0 dB = 0.945 W/kg = -0.25 dBW/kg

Test Laboratory: SGS-SAR Lab

Sub 2G 20M 915MHz back side 0mm MIMO, Antenna fold

DUT: M400 RC sub2G SDR module

Communication System: UID 0, DJI SDR 2.4G (0); Frequency: 915 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 915 \text{ MHz}$; $\sigma = 0.964 \text{ S/m}$; $\epsilon_r = 42.459$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(9.03, 9.03, 9.03); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.084 V/m ; Power Drift = -0.07 dB

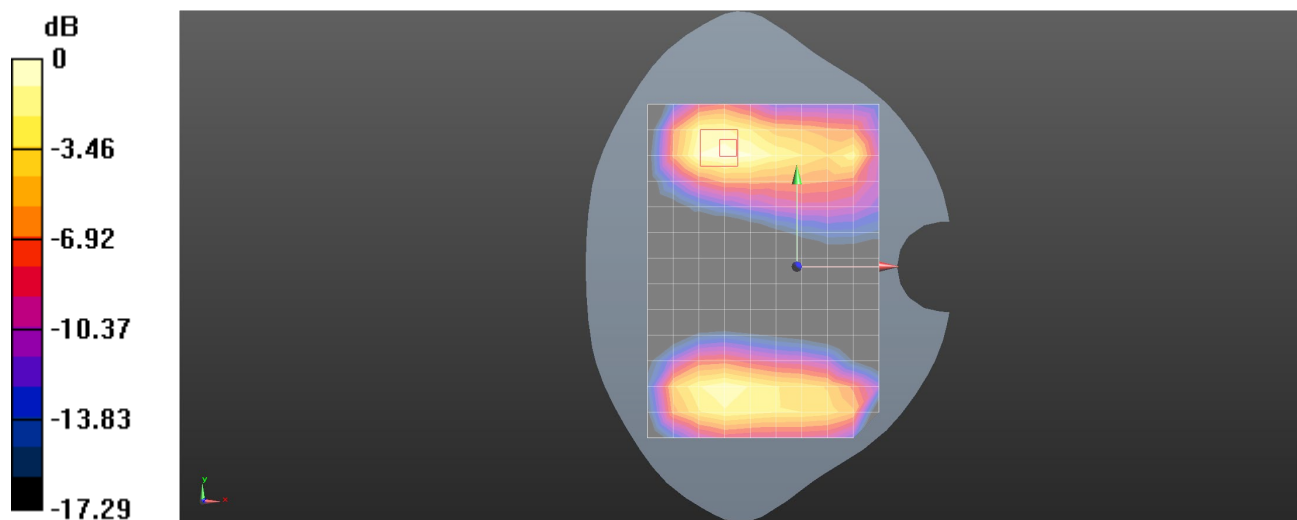
Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.12 W/kg ; SAR(10 g) = 0.610 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

SAR (measured) = 1.85 W/kg



0 dB = 1.85 W/kg = 2.67 dBW/kg