

Appendix B

Detailed Test Results

1. 2.4G SRD
2.4G SRD
2. BT
BT



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Test Laboratory: SGS-SAR Lab

Amelia T2V3 TWS SRD 2.4G 1M 2480 Left side 0mm Right ear

DUT: Amelia T2V3 TWS

Communication System: UID 0, DJI SDR 2.4G (0); Frequency: 2480 MHz; Duty Cycle: 1:1.645

Medium: HSL; Medium parameters used: $f = 2480$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 40.249$; $\rho = 1000$ kg/m³

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) = 0.172 W/kg

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

Reference Value = 11.04 V/m; Power Drift = 0.08 dB

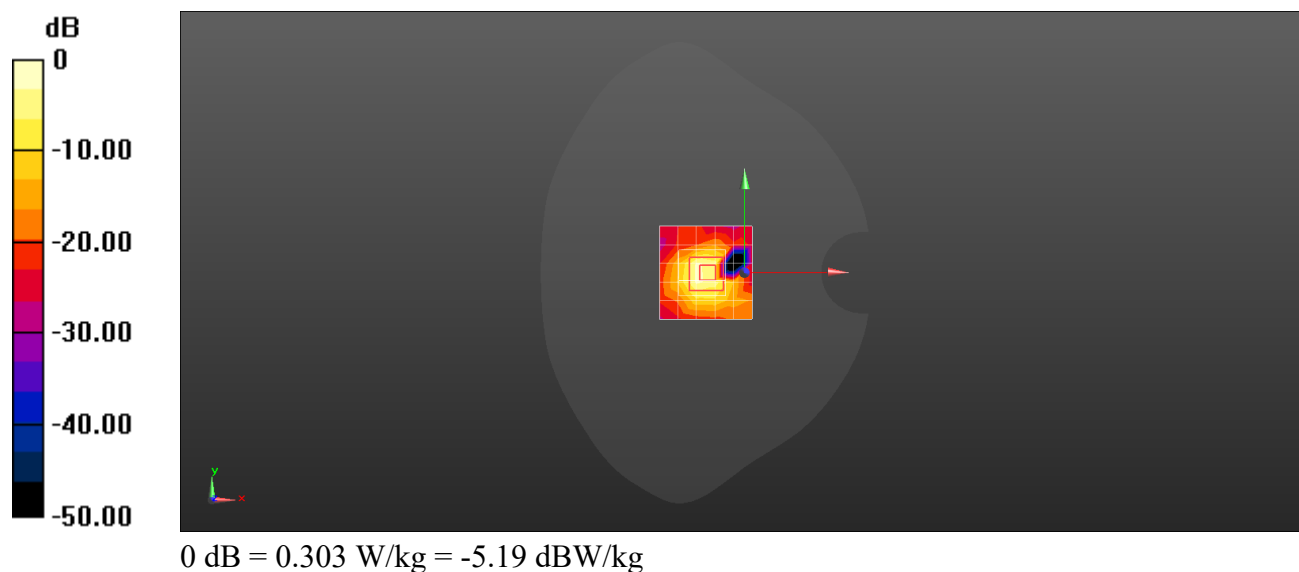
Peak SAR (extrapolated) = 0.770 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.070 W/kg

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 45.3%

Maximum value of SAR (measured) = 0.303 W/kg



Test Laboratory: SGS-SAR Lab

Amelia T2V3 TWS SRD 2.4G 1M 2440 Right side 0mm Left ear

DUT: Amelia T2V3 TWS

Communication System: UID 0, DJI SDR 2.4G (0); Frequency: 2440 MHz; Duty Cycle: 1:1.598

Medium: HSL; Medium parameters used: $f = 2440$ MHz; $\sigma = 1.819$ S/m; $\epsilon_r = 40.476$; $\rho = 1000$ kg/m³

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) = 0.261 W/kg

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

Reference Value = 9.049 V/m; Power Drift = -0.01 dB

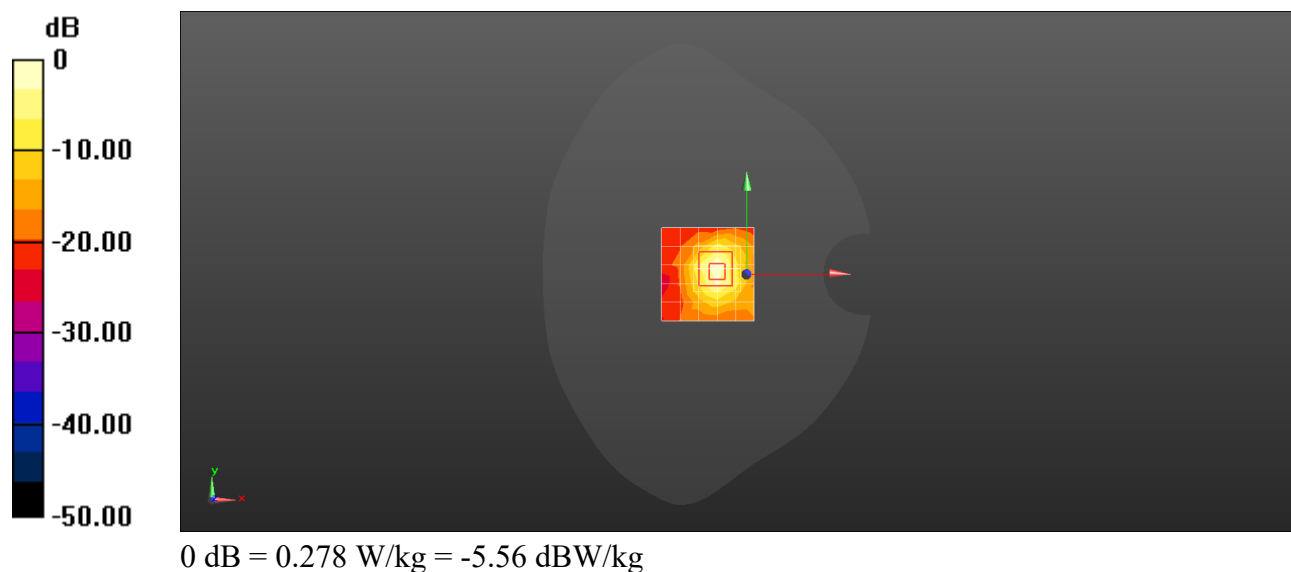
Peak SAR (extrapolated) = 0.959 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.067 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 33%

Maximum value of SAR (measured) = 0.278 W/kg



Test Laboratory: SGS-SAR Lab

Amelia T2V3 TWS BT DH5 39CH Left side 0mm Right ear

DUT: Amelia T2V3 TWS

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.291

Medium: HSL; Medium parameters used: $f = 2480$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 40.249$; $\rho = 1000$ kg/m³

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) = 0.200 W/kg

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

Reference Value = 11.50 V/m; Power Drift = -0.01 dB

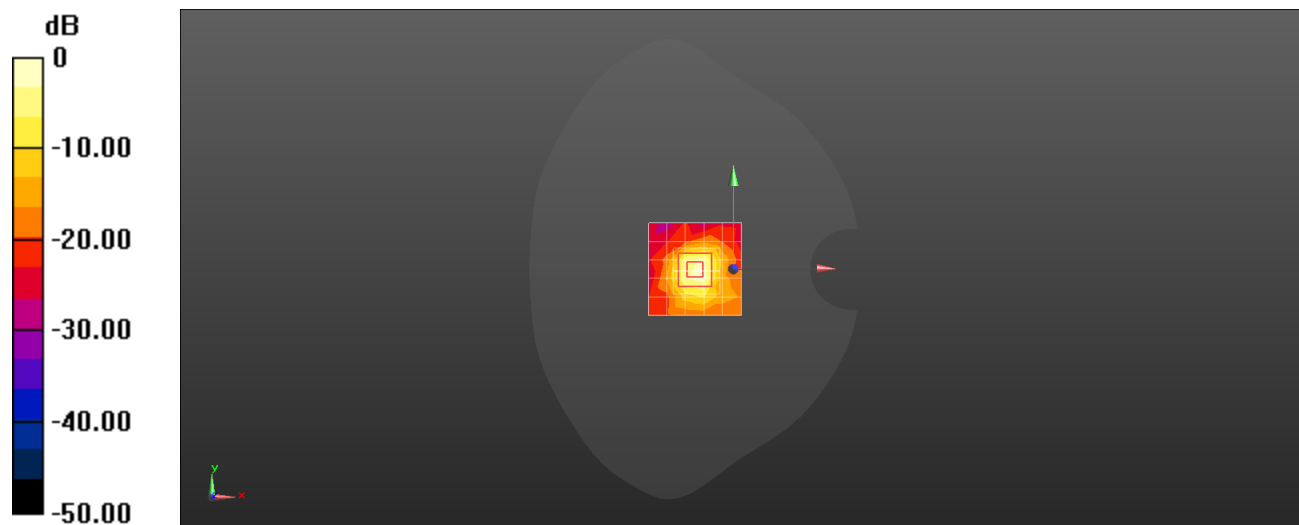
Peak SAR (extrapolated) = 0.762 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.067 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 37%

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.286 W/kg = -5.44 dBW/kg

Test Laboratory: SGS-SAR Lab

Amelia T2V3 TWS BT DH5 39CH Right side 0mm Left ear

DUT: Amelia T2V3 TWS

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.291

Medium: HSL;Medium parameters used: $f = 2441\text{ MHz}$; $\sigma = 1.82\text{ S/m}$; $\epsilon_r = 40.471$; $\rho = 1000\text{ kg/m}^3$

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: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.396 W/kg

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

Reference Value = 10.44 V/m; Power Drift = 0.00 dB

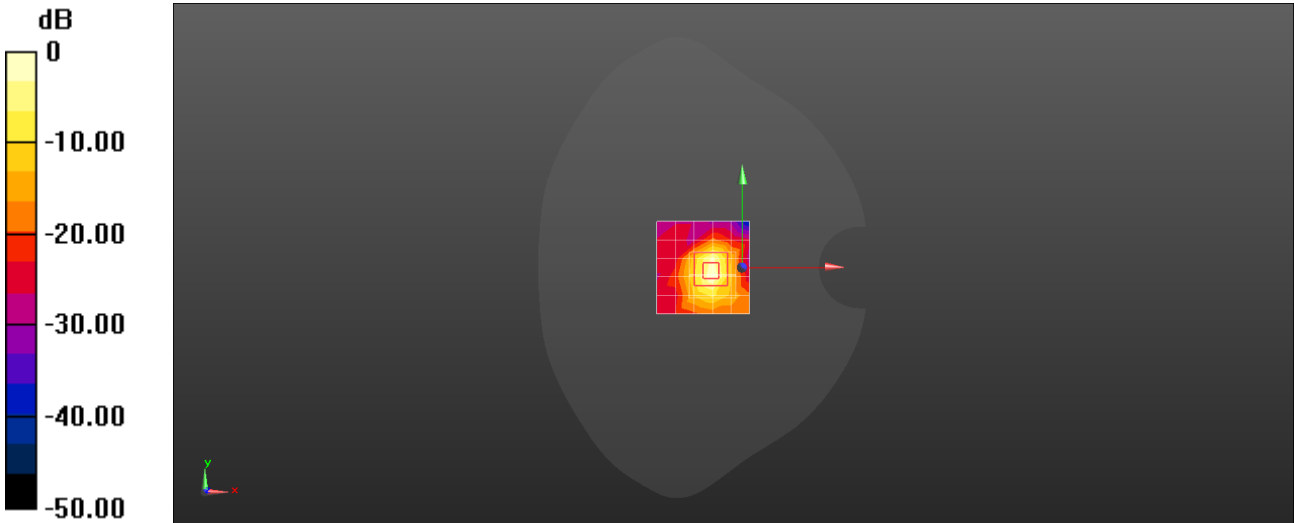
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.072 W/kg

Smallest distance from peaks to all points 3 dB below = 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 0.390 W/kg



0 dB = 0.390 W/kg = -4.09 dBW/kg