

Appendix B

Detailed Test Results

1. WIFI
WIFI 2.4G
2. BT
BLE



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Test Laboratory: SGS-SAR Lab

MILOO AI SMART TOY WIFI 2.4G 802.11b 1CH Front side 5mm Ant1

DUT: MILOO AI SMART TOY; Type: MLT-AI-S1; Serial: wifi-s3-006

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz; Duty Cycle: 1:1.001

Medium: HSL; Medium parameters used: $f = 2412$ MHz; $\sigma = 1.784$ S/m; $\epsilon_r = 38.645$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2025/1/20
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.123 W/kg

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

Reference Value = 5.092 V/m; Power Drift = -0.13 dB

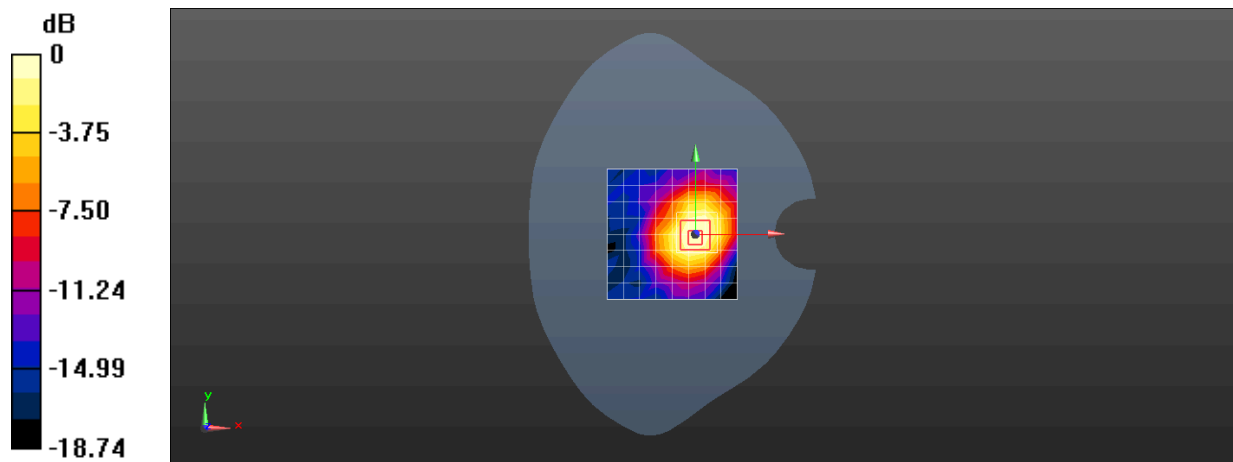
Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.046 W/kg

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 0.134 W/kg



0 dB = 0.123 W/kg = -9.12 dBW/kg

Test Laboratory: SGS-SAR Lab

MILOO AI SMART TOY Bluetooth BLE 1M 19CH Front side 5mm Ant0-M1

DUT: MILOO AI SMART TOY; Type: MLT-AI-S1; Serial: wifi-s3-006

Communication System: UID 0, BLE (0); Frequency: 2440 MHz; Duty Cycle: 1:1

Medium: HSL; Medium parameters used: $f = 2440$ MHz; $\sigma = 1.801$ S/m; $\epsilon_r = 38.593$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2025/1/20
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0481 W/kg

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

Reference Value = 3.001 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0660 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.018 W/kg

Smallest distance from peaks to all points 3 dB below = 11 mm

Ratio of SAR at M2 to SAR at M1 = 49.7%

Maximum value of SAR (measured) = 0.0521 W/kg

