

Appendix B

Detailed Test Results

1. BLE
BLE



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Test Laboratory: SGS-SAR Lab

MMX230 Bluetooth BLE 1M 19CH Back side 5mm

DUT: MMX230; Type: Dongle;

Communication System: UID 0, BLE (0); Frequency: 2440 MHz; Duty Cycle: 1:3.056

Medium: HSL; Medium parameters used: $f = 2440$ MHz; $\sigma = 1.79$ S/m; $\epsilon_r = 37.97$; $\rho = 1000$ 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 Sn1663; Calibrated: 2025/4/27
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (5x5x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.312 W/kg

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

Reference Value = 7.043 V/m; Power Drift = 0.00 dB

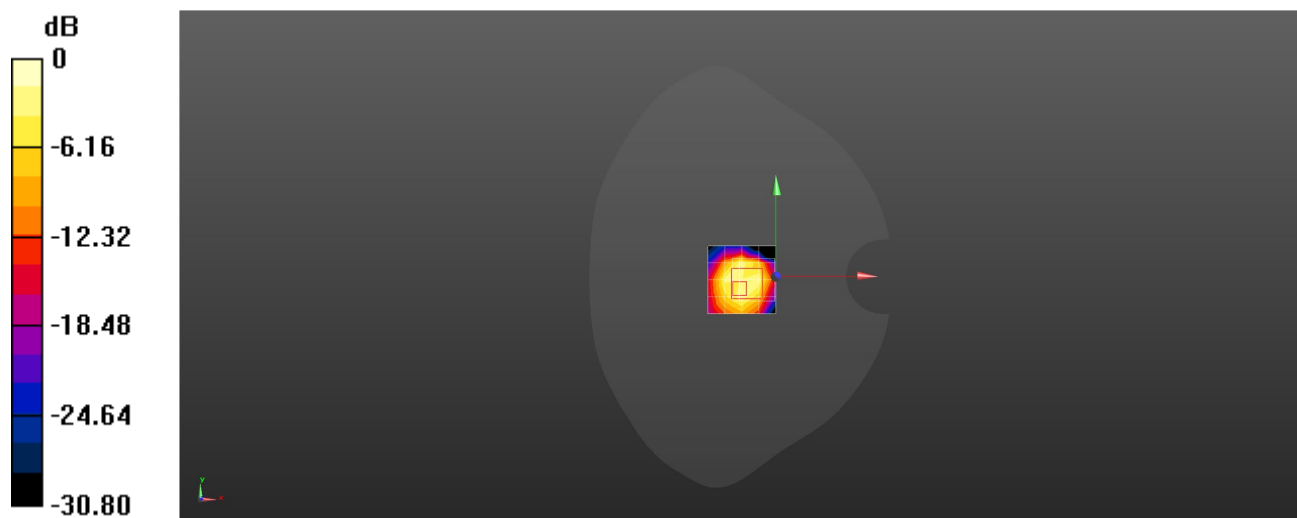
Peak SAR (extrapolated) = 0.674 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.102 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7 mm

Ratio of SAR at M2 to SAR at M1 = 37.9%.

Maximum value of SAR (measured) = 0.512 W/kg



0 dB = 0.512 W/kg = -2.91 dBW/kg