

Appendix B:SAR Measurement results Plots

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WiFi 2.4G Antenna retracted
WiFi 2.4G Antenna rotated

Test Laboratory: CTI SAR Lab

2.4G GFSK 2477CH Back Side 5mm Antenna retracted**DUT: DXR-8 PRO SS; Type: NA; Serial: NA**

Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2477 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 2477$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 39.547$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.65, 7.65, 7.65) @ 2477 MHz; Calibrated: 5/7/2025
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.618 W/kg

Configuration/Body/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.602V/m; Power Drift = 0.01 dB

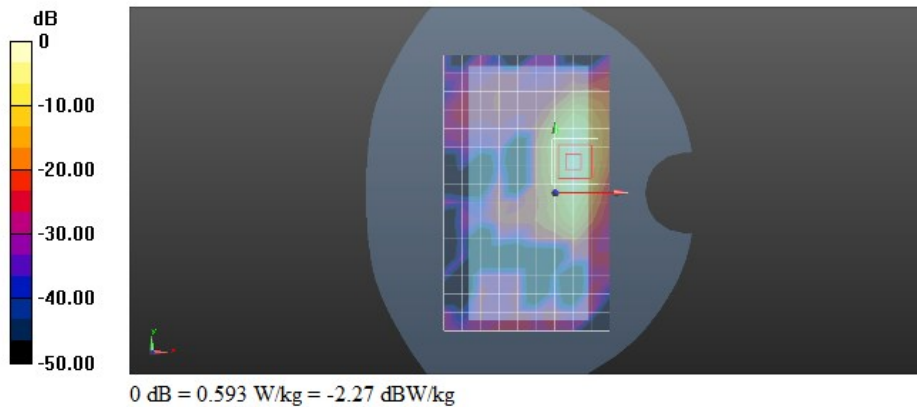
Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.132 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 44.5%

Maximum value of SAR (measured) = 0.593 W/kg



Test Laboratory: CTI SAR Lab

2.4G GFSK 2477CH Back Side 5mm Antenna rotated**DUT: DXR-8 PRO SS; Type: NA; Serial: NA**

Communication System: UID 0, 2.4G (0); Communication System Band: 2.4G; Frequency: 2477 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 2477$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 39.547$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.65, 7.65, 7.65) @ 2477 MHz; Calibrated: 5/7/2025
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (9x12x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.554 W/kg

Configuration/Body/Zoom Scan (7x7x5)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.630 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.888 W/kg

SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.186 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 45.9%

Maximum value of SAR (measured) = 0.699 W/kg

