

Appendix B: SAR Plots of SAR Measurement

Test Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

Date: 2025/2/12

P01 SDR-2.4G_GFSK_Horizontal Up_0.5cm_Ch78

DUT: EUT

Communication System: UID 0, BT; Frequency: 2480 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.894$ S/m; $\epsilon_r = 38.098$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(6.78, 7.22, 6.73) @ 2480 MHz; Calibrated: 2024/11/12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2024/10/8
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x61x1):** Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.0435 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 4.950 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00935 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 49%
Maximum value of SAR (measured) = 0.0392 W/kg

