

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2025/11/4

02_Bluetooth-LE_1Mbps_Back_0mm_Ch39

DUT: VSH101

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.176

Medium: HSL2450_251104 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.835$ S/m; $\epsilon_r = 39.878$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.07, 6.32, 7.31) @ 2480 MHz; Calibrated: 2025/5/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 31.0$
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: S/N: 1806
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (9x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.962 W/kg

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

Reference Value = 24.78 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 0.994 W/kg

