

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2024/11/28

02_Bluetooth_LE_2Mbps_Horizontal_Down_5mm_Ch0

DUT: EW-7611BL5

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.291

Medium: HSL2450_241128 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.766$ S/m; $\epsilon_r = 40.224$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2024/4/22
- Probe: EX3DV4 - SN7400; ConvF(7.67, 7.67, 7.67) @ 2402 MHz; Calibrated: 2024/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 31.0$
- Phantom: Right_Twin-SAM V4.0 (20deg probe tilt); Type: QD 000 P40 CC; Serial: TP-1467
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (7x8x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.154 W/kg

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

Reference Value = 4.084 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.160 W/kg

