

## 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/m<sup>3</sup>

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

