

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2026/9/2

03 Bluetooth_BR-1DH5_Right ear_0mm_Ch0

DUT: RB-HJ800

Communication System: UID 0, 01 Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.296

Medium: HSL2450_260902 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 40.085$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2402 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -49.0, 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (7x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.0838 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.020 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.0970 W/kg

