RF Exposure

The equipment under test (EUT) is a Bluetooth keyboard case with Bluetooth functions operating at 2402-2480MHz band. It is powered by DC 5V from USB port. The Micro USB port is only for charging purpose. For more detail information pls refer to the user manual.

Modulation Type: GFSK, Π/4DQPSK, 8-DPSK
Bluetooth Version: 5.1(without BLE)
Antenna Type: Integral antenna
Antenna Gain: 1.87dBi MAX.

The nominal radiated output power (e.i.r.p) specified: 0dBm (Tolerance: +/-3dB)
The nominal conducted output power specified: -1.87dBm (Tolerance: +/-3dB)

The maximun conducted output power for the EUT is -1.23dBm in the frequency 2480MHz which is within the production variation.

The minimum conducted output power for the EUT is -1.36dBm in the frequency 2402MHz which is within the production variation.

The maximun conducted output power specified is 1.13dBm = 1.3 mW
The source- based time-averaging conducted output power
= 1.3 * Duty factor mW (where Duty Factor≤1)
= 1.3 mW

The SAR Exclusion Threshold Level:
= 3.0 * (min. test separation distance, mm) / sqrt(freq. in GHz)
= 3.0 * 5 / sqrt (2.480) mW
= 9.53 mW

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.