

INTERTEK TESTING SERVICES

RF Exposure

The equipment under test (EUT) is a Remote Control with Bluetooth function operating in 2402-2480MHz. The EUT is powered by DC 3.0V(2*1.5V AAA batteries), For more detail information pls. refer to the user manual.

Bluetooth Version: 5.0 BLE (Single Mode)

Antenna Type: Integral antenna

Modulation Type: GFSK

Antenna Gain: 1.5dBi Max

The nominal conducted output power specified: -1.0dBm (+/-1.5dB)

The nominal radiated output power(e.i.r.p) specified: 0.5dBm (+/-1.5dB)

The maximum conducted output power for the EUT is -1.63dBm in the frequency 2402MHz which is within the production variation.

The minimum conducted output power for the EUT is -2.04dBm in the frequency 2480MHz which is within the production variation.

The maximum conducted output power specified is 0.5dBm = 1.12mW

The source- based time-averaging conducted output power

= 1.12 * Duty factor mW (where Duty Factor \leq 1)

= 1.12 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.