## 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: 0dBi Max

The nominal conducted output power specified: 4.0dBm (+/-2dB)
The nominal radiated output power(e.i.r.p) specified: 4.0dBm (+/-2dB)

## According to the KDB 447498:

The Maximum peak radiated emission for the EUT is 100.8 dBµV/m at 3m in the frequency 2402MHz

The EIRP =  $[(FS*D) ^2 / 30]$  mW = 5.57dBm which is within the production variation.

The Minimum peak radiated emission for the EUT is  $98.1~dB\mu V/m$  at 3m in the frequency 2480MHz

The EIRP =  $[(FS*D) ^2 / 30]$  mW = 2.87dBm which is within the production variation.

The maximun conducted output power specified is 6.0dBm = 3.98mW The source- based time-averaging conducted output power

- = 3.98 \* Duty factor mW (where Duty Factor≤1)
- = 3.98 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.

FCC ID: 2ALB6-KMNMBLE04