## INTERTEK TESTING SERVICES

## **RF Exposure**

The Equipment Under Test (EUT) is a Television remote control which has Bluetooth function. The EUT was powered DC 3V from battery. For more detailed features description, please refer to the user's manual.

Bluetooth Version: 5.0 BLE Antenna Type: Integral antenna.

Antenna Gain: 2.0dBi. Modulation Type: GFSK.

The nominal conducted output power specified: -2dBm (+/-3dB)
The nominal radiated output power (e.i.r.p) specified: 0dBm (+/- 3dB)

## According to the KDB 447498:

The maximun peak radiated emission for the EUT is  $97.8dB\mu V/m$  at 3m in the frequency 2480MHz

The EIRP =  $[(FS*D) ^2 / 30]$  mW = 2.57 dBm which is within the production variation.

The minimum peak radiated emission for the EUT is  $92.7 dB\mu V/m$  at 3m in the frequency 2402 MHz

The EIRP =  $[(FS*D) ^2 / 30] \text{ mW} = -2.53 \text{dBm}$  which is within the production variation.

The maximun conducted output power specified is 1dBm = 1.259 mW The source- based time-averaging conducted output power

- = 1.259 \* Duty factor mW (where Duty Factor ≤1)
- = 1.259 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: 2ANM3NHS8902