## INTERTEK TESTING SERVICES

## **Analysis Report**

The equipment under test (EUT) is a Remote Shutter with Bluetooth function

operating in 2402-2480MHz. The EUT is powered by DC 3.0V (CR2032 button

battery), For more detail information pls. refer to the user manual.

Bluetooth Version: 4.2 Single Mode (BLE) Modulation Type: GFSK Antenna Type: Integral antenna (Gain: 2.99dBi)

The nominal conducted output power specified: -16.0dBm (Tolerance: +/-3dB) The nominal radiated output power specified: -13.01dBm (Tolerance: +/-3dB)

According to the KDB 447498:

The Maximum peak radiated emission for the EUT is  $83.1 dB\mu V/m$  at 3m in the frequency 2402MHz The EIRP = [(FS\*D) ^2 / 30] mW = -12.13dBm which is within the production variation.

The Minimum peak radiated emission for the EUT is  $80.7 \text{ dB}\mu\text{V/m}$  at 3m in the frequency 2480MHz The EIRP = [(FS\*D) ^2 / 30] mW = -14.53dBm which is within the production variation.

The maximun conducted output power specified is -13.0dBm = 0.05mW The source- based time-averaging conducted output power = 0.05 \* Duty cycle mW <= 0.05 mW (Duty Cycle<=100%)

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.