



# RF Exposure Requirements

## 1 General Information

### Client Information

**Applicant** ..... : Guangdong BIG Climatic Manufacture Co., LTD  
**Address of applicant** ..... : No. 20-3, Nantou Avenue East, Nantou Town, Zhongshan City, Guangdong, China  
**Manufacturer** ..... : Guangdong BIG Climatic Manufacture Co., LTD Nantou Branch  
**Address of manufacturer** ..... : No. 20, Nantou Avenue East, Nantou Town, Zhongshan City, Guangdong, China

### General Description of E.U.T

**FCC ID** ..... : 2BCMJ-QB07724TX05  
**Product Name** ..... : Remote Control  
**Model No.** ..... : QB077-24TX-05, EF4.3-US01  
**Model Description** ..... : Two models are identical except for the model number.  
**Rating** ..... : Battery 3V (2\*1.5V AAA)  
**Battery Capacity** ..... : ---  
**Power Adapter** ..... : ---

### Technical Characteristics of EUT

**Frequency Band** ..... : 2400-2483.5 MHz  
**Operating Frequency** ..... : 2410MHz, 2439MHz, 2455MHz  
**Quantity of Channels** ..... : 3  
**Max. Field Strength** ..... : 81.67 dB $\mu$ V/m  
**Modulation** ..... : GFSK  
**Type of Antenna** ..... : PCB Antenna



## 2 RF Exposure Exemption

According to S1.1307(b)(3) and 447498 D04 Interim General RF Exposure Guidance v01, system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radiofrequency energy level in excess limit for maximum permissible exposure.

FCC Rule Part 1.1307 (b)(3)(i)(A): The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A).

## 3 RF Exposure Evaluation

Calculated the EIRP from the radiated field strength in the far field using Equation:

$$EIRP = E_{Meas} + 20 \log(d_{Meas}) - 104.7$$

Where

EIRP is the equivalent isotropically radiated power, in dBm

$E_{Meas}$  is the field strength of the emission at the measurement distance, in dB $\mu$ V/m

$d_{Meas}$  is the measurement distance, in m

## 4 Calculation Result

Radio Access Technology	Min. Distance (cm)	Prediction Frequency (MHz)	Max. Field Strength (dB $\mu$ V/m)	EIRP (dBm)	EIRP (mW)	SAR Test Exclusion Threshold (mW)	Result
SRD	0.5	2439	81.67	-13.49	0.04	1	Pass

=====End of Report=====