



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 μ 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:

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

Where

E_{Meas} is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dB μ 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 μ 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=====