RF Exposure Requirements

1   General Information

Client Information

Applicant .... : Shenzhen Funpower General Technology Co., Ltd.

Address of applicant .... : Room 201B, Habor Venture Building, No.1041 Houhai Avenue, Shekou,Nanshan District, Shenzhen City, China

Manufacturer .... : The same as above

Address of manufacturer .... : The same as above

General Description of E.U.T

FCC ID .... : 2ABUP-FT0309HDM

Product Name .... : Remote Control Transmitter

Model No. .... : FT0309HDM

Model Description .... : ---

Rated Voltage .... : Battery 3V (2*1.5V AAA)

Battery Capacity .... : ---

Power Adapter .... : ---

Technical Characteristics of EUT

Operating Frequency .... : 303.875MHz

Max. Field Strength .... : 83.71dBuV/m (at 3m distance)

Modulation .... : ASK

Type of Antenna .... : PCB Antenna

Antenna Gain .... : 0dBi

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 dBμV/m

d_{Meas} is the measurement distance, in m

4 Calculation Result

Radio Access Technology	Min. Distance (cm)	Prediction Frequency (MHz)	Max. Field Strength (dBμV/m)	EIRP (dBm)	EIRP (mW)	SAR Test Exclusion Threshold (mW)	Result
SRD	0.5	303.875	83.71	-11.45	0.07	1	Pass

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