RF Exposure Requirements

1 General Information

Client Information

Applicant	:	Tarzan Technology Co.,Ltd
Address of applicant	:	2F,Build 4,No 111 Jintong Rd,Tangxia Town,Pengjiang District,Jiangmen Guangdong ,China
Manufacturer.....	:	The same as above
Address of manufacturer.....	:	The same as above

General Description of E.U.T

FCC ID.....	:	2ATB5-T301G
Product Name	:	Remote Control Transmitter
Model No.	:	T301F, T301G
Model Description	:	The two models have the same electric circuit except for the appearance, the T301F has no mechanical buttons, and the T301G has two mechanical buttons.Therefore the full tests were performed on model T301G.
Rated Voltage.....	:	Battery 3V (2*1.5V AAA)
Battery Capacity	:	---
Power Adapter	:	---

Technical Characteristics of EUT

Operating Frequency	:	303.875MHz
Max. Field Strength	:	76.93dBuV/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	433.92	76.93	-18.23	0.02	1	Pass

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