RF Exposure Evaluation

FCC ID: 2AT7G-RC-01

1. Client Information

Applicant	:	Global Tone Communication Technology Co., Ltd.
Address	:	1601, 16th Floor, No. 20 Shijingshan Road, Shijingshan District, Beijing,China
Manufacturer	:	Global Tone Communication Technology Co., Ltd.
Address	:	1601, 16th Floor, No. 20 Shijingshan Road, Shijingshan District, Beijing,China

2. General Description of EUT

EUT Name	:	Remote control	
Models No.	:	RC-01	
Model Different	:	N/A	
Product Description	:	Operation Frequency:	Bluetooth V4.0: 2402MHz~2480MHz
		RF Output Power:	BLE: -6.192dBm (Max)
		Antenna Gain:	-3dBi PCB Antenna
Power Supply	:	DC Voltage Supply from USB cable.. DC Voltage supplied by Li-ion battery.	
Power Rating	:	DC 3.7V by 400mAh Li-ion battery	
Software Version	:	MB-533[0x140B9BD]	
Hardware Version	:	MB-533(BLE) V1.1	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note: More test information about the EUT please refer the RF Test Report.

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SAR Test Exclusion Calculations

1. **FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.**
   (1) Clause 4.3: General SAR test reduction and exclusion guidance
   Sub clause 4.31: Standalone SAR test exclusion considerations
   1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤3.0 for 1-g SAR
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] ≤7.5.0 for 10-g SAR

2. Calculation:

Test separation: 5mm						
BLE Mode (GFSK)						
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	-6.537	-6±1	-5	0.316	0.098	**3.0**
2.440	-6.192	-6±1	-5	0.316	0.099	**3.0**
2.480	-6.884	-6±1	-5	0.316	0.100	**3.0**

So standalone SAR measurements are not required.

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