RF Exposure Evaluation
FCC ID: 2A4QH-REM8222

1. Client Information

Applicant	:	Zhongshan Hongyunfeng Electric Appliance Co.Ltd
Address	:	No 14, Southeast 7th Roald,Gongye Avenue, Gusan village, Guzhen Town, Zhongshan City Guangdong, China
Manufacturer	:	Zhongshan Hongyunfeng Electric Appliance Co.Ltd
Address	:	No 14, Southeast 7th Roald,Gongye Avenue, Gusan village, Guzhen Town, Zhongshan City Guangdong, China

2. General Description of EUT

EUT Name	:	Remote control	
Models No.	:	Rem8222	
Product Description	:	Operation Frequency:	Bluetooth 4.0(BLE): 2402MHz~2480MHz
		Number of Channel:	Bluetooth 4.0(BLE): 40 channels
		RF Output Power:	GFSK（BLE）: -1.639dBm
		Antenna Gain:	0dBi PCB Antenna
Power Rating	:	DC 3.0V by AAA battery	
Software Version	:	1903-02-2.4G-A01	
Hardware Version	:	1903-02	
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						
Bluetooth 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	-1.639	-1±1	0	1.000	0.310	**3.0**
2.440	-1.712	-1±1	0	1.000	0.312	**3.0**
2.480	-1.878	-1±1	0	1.000	0.315	**3.0**

Conclusion:

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

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