

# RF Exposure Evaluation Report

**Applicant:** Xiamen Tenia Lighting & Electrical Co., Ltd

**Address of Applicant:** NO.575, Second Ring South Road, Tong'an District, Xiamen, Fujian

**Equipment Under Test (EUT)**

Product Name: Remote

Model No.: RDNA042C

**FCC ID:** 2AV7W-RDNA042C

**Applicable standards:** KDB 447498 D04 Interim General RF Exposure Guidance v01

**Date of sample receipt:** 16 June 2023

**Date of Test:** 16 June 2023 to 30 June 2023

**Date of report issue:** 30 June 2023

**Test Result:** PASS

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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# 1 Modified Information

Version No.	Date	Description
00	30 June 2023	Original

Prepared by: Leo Zhang  
Leo Zhang/Engineer

Date: 30 June 2023

Reviewed by: Louis Ye  
Louis Ye/Manager

Date: 30 June 2023

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### 3 General Information

#### 3.1 Client Information

Applicant:	Xiamen Tenia Lighting & Electrical Co., Ltd
Address:	NO.575, Second Ring South Road, Tong'an District, Xiamen, Fujian
Manufacturer:	Xiamen Tenia Lighting & Electrical Co., Ltd
Address:	NO.575, Second Ring South Road, Tong'an District, Xiamen, Fujian
Factory:	Xiamen Tenia Lighting & Electrical Co., Ltd
Address:	NO.575, Second Ring South Road, Tong'an District, Xiamen, Fujian

#### 3.2 General Description of E.U.T.

Product Name:	Remote
Model No.:	RDNA042C
Operation Frequency:	2407MHz
Modulation technology:	GFSK
Antenna Type:	PCB antenna
Antenna gain:	0.03dBi
Test Sample Condition:	The test samples were provided in good working order with no visible defects.
Remark:	N/A

#### 3.3 Operating Modes

Operating mode	Detail description
Transmitting mode	Keep the EUT in transmitting mode with modulation ( new battery used )

#### 3.4 Additions to, deviations, or exclusions from the method

No
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#### 3.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1279**

Jianyan Testing Group Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 892155.

● **ISED – CAB identifier.: CN0102**

Jianyan Testing Group Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with ISED#:26114.

● **CNAS - Registration No.: CNAS L0658**

Jianyan Testing Group Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L0658.

● **A2LA - Registration No.: 5568.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/5568-01.pdf>

#### 3.6 Laboratory Location

JianYan Testing Group Co., Ltd.  
Address: No.760, Fengling Road, Tong'an District, Xiamen, Fujian, China  
Tel: +86-592-2273071, Fax:+86-592-2273700  
Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

## 4 Technical Requirements Specification

### 4.1 Limits

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

### 4.2 Result

(The output power was refer to the test report JYTO-R01-2300194)

Frequency(MHz)	Maximum Tune-up Power(EIRP)		1-mW Test Exenption
	dBm	mW	
2407	-11	0.02	YES

Remark 1:  $E(\text{dBuV/m}) = \text{EIRP}(\text{dBm}) - 95.2$  for dustabce 3m

so the  $\text{EIRP} = 83.88\text{dBuV/m} - 95.2 = -11.32\text{dBm}$

2: The tune-up EIRP was -11 dBm(declared by the applicant)

### 4.3 Conclusion

The device is exempt from the RF exposure evaluation.

-----End of report-----