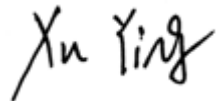


## RF TEST REPORT

**Applicant** iRay Technology Co., Ltd.  
**FCC ID** 2ACHK-01070189  
**Product** Wireless Digital Flat Panel Detector  
**Model** Luna1012X  
**Report No.** R2212A1306-R1  
**Issue Date** June 30, 2023

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2022)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.



Prepared by: Xu Ying



Approved by: Xu Kai

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### TA Technology (Shanghai) Co., Ltd.

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## 1. Test Laboratory

### 1.1. Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

### 1.2. Test Facility

#### **FCC (Designation number: CN1179, Test Firm Registration Number: 446626)**

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

#### **A2LA (Certificate Number: 3857.01)**

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

### 1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.  
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China  
City: Shanghai  
Post code: 201201  
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## 2. General Description of Equipment Under Test

### 2.1. Applicant and Manufacturer Information

Applicant	iRay Technology Co. Ltd.
Applicant address	RM 202, Building 7, No. 590, Ruiqing RD., Pudong, Shanghai, China
Manufacturer	iRay Technology Co. Ltd.
Manufacturer address	RM 202, Building 7, No. 590, Ruiqing RD., Pudong, Shanghai, China

### 2.2. General Information

EUT Description	
Model	Luna1012X
Lab Internal SN	Original: R2209A0844/S02
Hardware Version	A11
Software Version	ARM: Kernel: 1.0.45.0 Core: 2.4.1.81 FPGA: 2.10.2.11 MB: 255.255.255.255 MCU: 2.10.0.17
Power Supply	Battery / AC adapter
Antenna Type	Internal Antenna
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Antenna Gain	Short Cable: 4.42 dBi Long Cable: -0.27 dBi
additional beamforming gain	NA
Operating Frequency Range(s)	802.11b/g/n(HT20): 2412 ~ 2462 MHz 802.11n(HT40): 2422 ~ 2452 MHz
Modulation Type	802.11b: DSSS; 802.11g/n(HT20/HT40): OFDM
EUT Accessory	
Adapter	Manufacturer: Shenzhen Longxc Power Supply Co., LTD Model: LXCP61-024300
Rechargeable Li-ion Battery Pack	Manufacturer: iRay Technology Taicang Ltd. Model: BATTERY-KX
DC cable	Manufacturer: iRay Technology Co. Ltd. Model: /
Charger	Manufacturer: iRay Technology Taicang Ltd. Model: CHARGER-COMBO
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.	

Luna1012X (Report No.: R2212A1306-R1) is a variant model of Mars1013X (Report No.: R2209A0844-R1).

There is only tested Unwanted Emissions, and did not worsen, so they were not recorded in the report.

This report is used in conjunction with the original report (Report No.: R2209A0844-R1).

The detailed product change description please refers to the *FCC Class II Permissive Change Application Letter*.

## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

## ANNEX B: Product Change Description

The Product Change Description are submitted separately.

\*\*\*\*\*END OF REPORT \*\*\*\*\*