



**Shenzhen CTA Testing Technology Co., Ltd.**

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

**FCC PART 15 SUBPART C TEST REPORT**

**FCC PART 15.247**

**Report Reference No.....: CTA23121900202**

**FCC ID.....: 2BEA4-H1**

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Date of issue .....: Dec. 25, 2023

**Testing Laboratory Name .....: Shenzhen CTA Testing Technology Co., Ltd.**

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**Applicant's name.....: AimeiSen(Dongguan) Technology Co., Ltd**

Address .....: Room 603, Building 2, No. 248 Daxing Road, Yangwu, Dalingshan Town, Dongguan City, Guangdong Province, China

**Test specification .....**

Standard.....: **FCC Part 15.247**

TRF Originator.....: Shenzhen CTA Testing Technology Co., Ltd.

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**Test item description .....**

Trade Mark.....: N/A

Manufacturer .....: AimeiSen(Dongguan) Technology Co., Ltd

Model/Type reference .....: H1

Listed Models .....: H2, H3, H5 ,H6, H7, H8, H9, H10, H11, H12, H13 ,H14 ,H15, H16, H17

Modulation Type.....: CCK/DSSS/ OFDM

Operation Frequency.....: From 2412 - 2462MHz

Rating .....: AC 100-240V, 50/60Hz

Result .....: **PASS**

# TEST REPORT

Equipment under Test : Projector

Model /Type : H1

Serial Models : H2, H3, H5 ,H6, H7, H8, H9, H10, H11, H12, H13 ,H14 ,H15, H16, H17

**Applicant** : **AimeiSen(Dongguan) Technology Co., Ltd**

Address : Room 603, Building 2, No. 248 Daxing Road, Yangwu, Dalingshan Town, Dongguan City, Guangdong Province, China

**Manufacturer** : **AimeiSen(Dongguan) Technology Co., Ltd**

Address : Room 603, Building 2, No. 248 Daxing Road, Yangwu, Dalingshan Town, Dongguan City, Guangdong Province, China

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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# 1 TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

[ANSI C63.10-2013](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB558074 D01 v05r02](#): Guidance for Compliance Measurements on Digital Transmission Systems (DTS), Frequency Hopping Spread Spectrum System (HFSS), and Hybrid System Devices Operating Under §15.247 of The FCC rules.

## 2 SUMMARY

### 2.1 General Remarks

Date of receipt of test sample	:	Dec. 19, 2023
Testing commenced on	:	Dec. 19, 2023
Testing concluded on	:	Dec. 25, 2023

### 2.2 Product Description

Product Name:	Projector
Model/Type reference:	H1
Power supply:	AC 100-240V, 50/60Hz
testing sample ID:	CTA231219002-1# (Engineer sample) CTA231219002-2# (Normal sample)
Hardware version:	V1.0
Software version:	V1.0
<b>WIFI :</b>	
Supported type:	802.11b/802.11g/802.11n(H20):
Modulation:	802.11b: DSSS 802.11g/802.11n(H20): OFDM
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2462MHz
Channel number:	802.11b/802.11g/802.11n(H20): 11
Channel separation:	5MHz
Antenna type:	PIFA antenna
Antenna gain:	1.46 dBi for Ant 1 and Ant 2

### 2.3 Equipment Under Test

#### Power supply system utilised

Power supply voltage	:	<input type="radio"/> 230V / 50 Hz	<input checked="" type="radio"/> 120V / 60Hz
		<input type="radio"/> 12 V DC	<input type="radio"/> 24 V DC
		<input type="radio"/> Other (specified in blank below)	

/

### 2.4 Short description of the Equipment under Test (EUT)

This is a Projector.

For more details, refer to the user's manual of the EUT.

### 2.5 EUT operation mode

The application provider specific test software(AT command) to control sample in continuous TX and RX (Duty Cycle >98%) for testing meet KDB558074 test requirement.

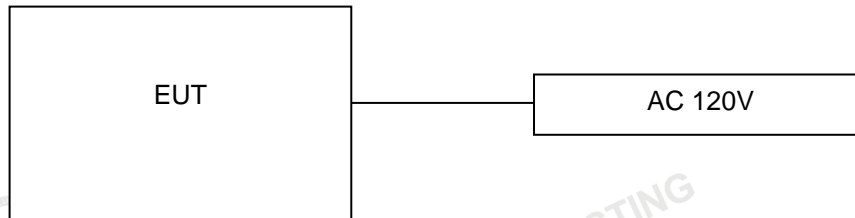
IEEE 802.11b/g/n: Thirteen channels are provided to the EUT.

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Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432		
6	2437		
7	2442		

## 2.6 Block Diagram of Test Setup



## 2.7 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

## 2.8 Modifications

No modifications were implemented to meet testing criteria.