



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.

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

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: Projector

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

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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

Test Result:

PASS

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
WIFI :	
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	:	☐ 230V / 50 Hz	☒ 120V / 60Hz
		☐ 12 V DC	☐ 24 V DC
		☐ 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.

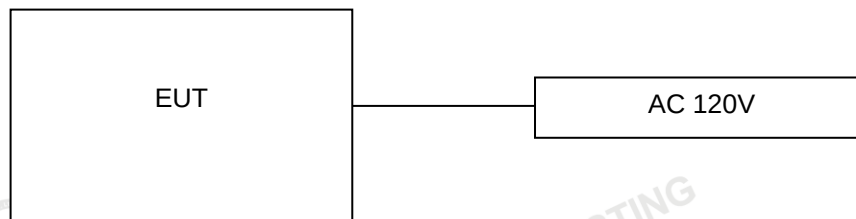
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Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432		
6	2437		
7	2442		

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.