

Page 1 of 88

# FCC TEST REPORT

Test report On Behalf of TeVii Technology Co.,Ltd. For Wireless HDMI Extender Model No.: G230TX, Extend+Expand

FCC ID: 2ALU5G230TX

Prepared For:

TeVii Technology Co.,Ltd. 10F, No. 125, Sec. 2, Datong Rd. 22183 Xizhi District, New Taipei City, Taiwan

Prepared By: Shenzhen HUAK Testing Technology Co., Ltd. 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

 Date of Test:
 Mar. 29, 2022 ~ May. 17, 2022

 Date of Report:
 May. 17, 2022

 Report Number:
 HK2203291300-1E

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## **TEST RESULT CERTIFICATION**

Applicant's name	TeVii Technology Co.,Ltd.	
Address	10F, No. 125, Sec. 2, Datong Rd. 22183 X City, Taiwan	(izhi District, New Taipei
Manufacture's Name	TeVii Technology Co.,Ltd.	
Address	10F, No. 125, Sec. 2, Datong Rd. 22183 X City, Taiwan	(izhi District, New Taipei
Product description		
Trade Mark:	TEVII/ClearClick	
Product name:	Wireless HDMI Extender	
Model and/or type reference .:	G230TX, Extend+Expand	
Standards	FCC Rules and Regulations Part 15 Subp ANSI C63.10: 2013	art C Section 15.247

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Date of Test	
Date (s) of performance of tests	Mar. 29, 2022 ~ May. 17, 2022
Date of Issue	May. 17, 2022
Test Result	Pass

Testing Engineer

sant

(Gary Qian)

Technical Manager

(Eden Hu)

Authorized Signatory:

Mou

(Jason Zhou)

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## TABLE OF CONTENTS

1.	TEST RESULT SUMMARY	5
	1.1. TEST PROCEDURES AND RESULTS	
	1.2. INFORMATION OF THE TEST LABORATORY	
	1.3. MEASUREMENT UNCERTAINTY	6
2.	EUT DESCRIPTION	
	2.1. GENERAL DESCRIPTION OF EUT	
	2.2. CARRIER FREQUENCY OF CHANNELS	8
	2.3. OPERATION OF EUT DURING TESTING	
	2.4. DESCRIPTION OF TEST SETUP	
3.	GENERA INFORMATION	10
	3.1. TEST ENVIRONMENT AND MODE	10
	3.2. DESCRIPTION OF SUPPORT UNITS	
4.	TEST RESULTS AND MEASUREMENT DATA	12
	4.1. CONDUCTED EMISSION	12
	4.2. MAXIMUM CONDUCTED OUTPUT POWER	
	4.3. EMISSION BANDWIDTH	
	4.4. POWER SPECTRAL DENSITY	29
	4.5. CONDUCTED BAND EDGE AND SPURIOUS EMISSION MEASUREMENT	41
	4.6. RADIATED SPURIOUS EMISSION MEASUREMENT	
	4.7. ANTENNA REQUIREMENT	85
5.	PHOTOGRAPH OF TEST	86
6.	PHOTOS OF THE EUT	

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Т 691

## \*\* Modified History \*\*

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	May. 17, 2022	Jason Zhou
CSTING	ernve esnve	-STING	G
WAX	- HUAN IL	K WAX I	- WAX IS

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## 1. TEST RESULT SUMMARY

## **1.1. TEST PROCEDURES AND RESULTS**

CFR 47 Section	Result
§15.203/§15.247(b)(4)	PASS
§15.207	PASS
§15.247(b)(3)	PASS
§15.247(a)(2)	PASS
§15.247(e)	PASS
1§5.247(d)	PASS
§15.205/§15.209	PASS
	§15.203/§15.247(b)(4) §15.207 §15.247(b)(3) §15.247(a)(2) §15.247(e) 1§5.247(d)

#### Note:

1. PASS: Test item meets the requirement.

- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

## **1.2. INFORMATION OF THE TEST LABORATORY**

Shenzhen HUAK Testing Technology Co., Ltd. Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization :

A2LA Accreditation Code is 4781.01. FCC Designation Number is CN1229. Canada IC CAB identifier is CN0045. CNAS Registration Number is L9589.

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FICATION



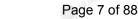
## **1.3. MEASUREMENT UNCERTAINTY**

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
<sup>NG</sup> 1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
TES 70	Humidity	±1.0%

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## 2. EUT DESCRIPTION

**HUAK TESTING** 

## 2.1. GENERAL DESCRIPTION OF EUT

Equipment	Wireless HDMI Extender
Model Name	G230TX
Series Model	Extend+Expand
Model Difference	All model's the function, software and electric circuit are the same, only with a product color, appearance and model named different. Test sample model: G230TX.
Trade Mark	TEVII/ClearClick
FCC ID	2ALU5G230TX
Antenna Type	External Antenna
Antenna Gain	Antenna 1:2.45dBi Antenna 2:2.45dBi MIMO: 5.46dBi
Operation frequency	802.11b/g/n 20:2412~2462 MHz 802.11n 40: 2422~2452MHz
Number of Channels	802.11b/g/n20: 11CH 802.11n 40: 7CH
Modulation Type	CCK/OFDM/DBPSK/DAPSK
Power Source	DC 12V from adapter
Power Rating	DC 12V from adapter

#### Note:

The EUT incorporates a MIMO function. Physically, it provides two completed transmitte rs and receivers(2T2R), two transmit signals are completely correlated, then, Direction g ain=GANT + Array Gain(Array Gain=10 log(2) dB for power spectral density; Array Gain =0 for power measurement).

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## 2.2. CARRIER FREQUENCY OF CHANNELS

		Ch	annel List	t for 802.11b	o/802.11g/8	02.11n (HT20	))	
STA	<sup>©</sup> Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	01 📉	2412	04	2427	07	2442	10	2457
	02	2417	05	2432	08	2447	11	2462
	03	2422	06	2437	09	2452	STING	

Channel List For 802.11n (HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
ESTING	KTESTI C	04	2427	07	2442	TESTIN	aKTES
@ H		05	2432	08	2447	HUAN	Co-Home
03	2422	06	2437	09	2452	T	

#### Note:

In section 15.31(*m*), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

## 2.3. OPERATION OF EUT DURING TESTING

#### Operating Mode

#### The mode is used: Transmitting mode for 802.11b/802.11g/802.11n (HT20)

Low Channel: 2412MHz Middle Channel: 2437MHz High Channel: 2462MHz

#### The mode is used: Transmitting mode for 802.11n (HT40)

Low Channel: 2422MHz Middle Channel: 2437MHz High Channel: 2452MHz

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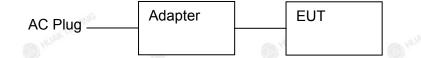


## 2.4. DESCRIPTION OF TEST SETUP

Operation of EUT during conducted testing and radiation below 1GHz testing:

AC Plug

Operation of EUT during radiation above 1GHz testing:



Laptop information Model: TP00018A Input: 20V, 3.25~4.5A

Adapter information Model: GQ12-120100-CU Input: 100-240V~50-60Hz 0.4A Output:12V, 1A

Display information Model: 280LM00004

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

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## 3. GENERA INFORMATION

## **3.1. TEST ENVIRONMENT AND MODE**

Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar

- WAR	Keep the EUT in continuous transmitting
Engineering mode:	by select channel and modulations(The
HUAK TES HUAK TES	value of duty cycle is 98.46%)

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list whi	
was worst case.	

	Mode	HUAK TES.	Data rate	
<u>.</u>	802.11b		1Mbps	
	802.11g	PMG	6Mbps	aNG
	802.11n(H20)	AUAKTES	6.5Mbps	HUAK TEST
0	802.11n(H40)		13.5Mbps	w.

### Final Test Mode:

Operation mode:

Keep the EUT in continuous transmitting with modulation

1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.

2. According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20), 13.5Mbps for 802.11(H40). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.

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The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
1	G HUAKTEST	is I	I HUAK TESTIN	s I

#### Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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## 4. TEST RESULTS AND MEASUREMENT DATA

## 4.1. CONDUCTED EMISSION

## 4.1.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207			
Test Method:	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz				
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto		
Limits:	Frequency range (MHz)         Limit (dBuV)           0.15-0.5         66 to 56*         56 to 0.5-5           0.5-30         60         50				
Test Setup:	Reference Plane				
	LISN: Line Impedence Stabilization N	letwork			
Test Mode:	LISN: Line Impedence Stabilization N		NG		
Test Mode: Test Procedure:	LISN: Line Impedence Stabilization N Test table height=0.8m	g with modulation cted to the main p polization network oull coupling imp nt. es are also conne SN that provides with 500hm term diagram of the line are checken e positions of equi must be change	power through a (L.I.S.N.). This pedance for the ected to the main a 50ohm/50ut- nination. (Please test setup and d for maximum of the maximum ipment and all o ed according to		

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## 4.1.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)						
Equipment Manufacturer Model Serial Number Calibration Du						
Receiver	R&S	ESCI 7	HKE-010	Feb. 17, 2023		
LISN	R&S	ENV216	HKE-002	Feb. 17, 2023		
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	N/A	N/A		

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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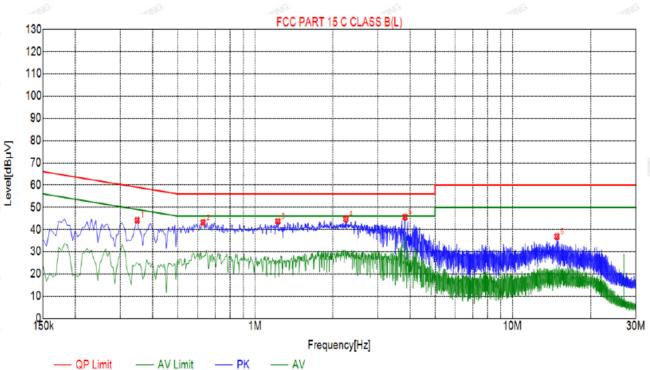
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## 4.1.3. Test Data

All the test modes completed for test. only the worst result was reported as below:

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



## Suspected List

o QP Detector

1000	NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре
	1	0.3480	44.19	20.03	59.01	14.82	24.16	PK	L
2	2	0.6270	43.15	20.05	56.00	12.85	23.10	PK	L
<	3	1.2255	43.74	20.09	56.00	12.26	23.65	PK	L
	4	2.2515	44.77	20.18	56.00	11.23	24.59	PK	L
2	5	3.8220	45.62	20.25	56.00	10.38	25.37	PK	L
	6	14.7840	36.85	19.95	60.00	23.15	16.90	PK	L

Remark: Margin = Limit – Level Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor

AV Detector

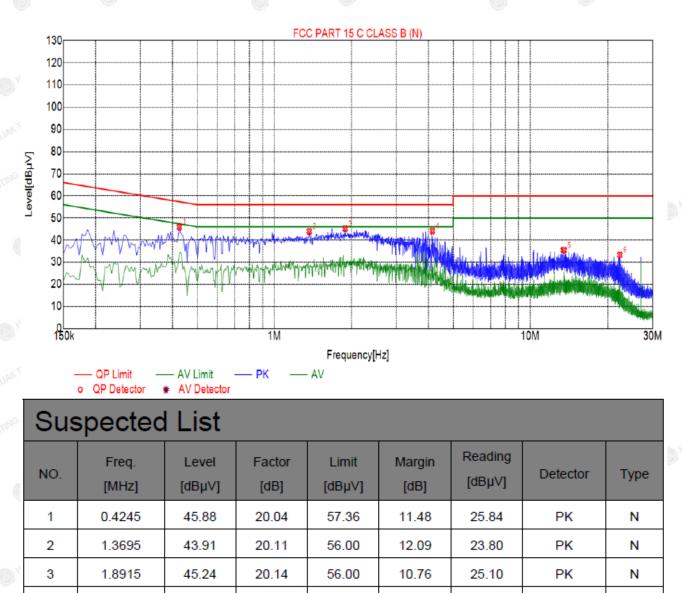
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HUAK TESTING

### Page 15 of 88

### Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



56.00

60.00

60.00

11.85

24.50

26.61

23.90

15.54

13.23

PΚ

PK

PK

Ν

Ν

Ν

Remark: Margin = Limit – Level Correction factor = Cable lose + LISN insertion loss

44.15

35.50

33.39

20.25

19.96

20.16

4.1460

13.4835

22.2855

4

5

6

Level=Test receiver reading + correction factor

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Page 16 of 88



## 4.2. MAXIMUM CONDUCTED OUTPUT POWER

## 4.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 1	5.247 (b)(3)				
Test Method:	KDB 558074	O HOL				
Limit:	30dBm	UN TESTING				
Test Setup:	Power meter	EUT				
Test Mode:	Transmitting mode with r	nodulation				
Test Procedure:	<ol> <li>The testing follows the Measurement Procedure FCC KDB No. 558074 D01 15.247 Meas Guida v05r02.</li> <li>The RF output of EUT was connected to the pow meter by RF cable and attenuator. The path los compensated to the results for each measurem</li> <li>Set to the maximum power setting and enable th EUT transmit continuously.</li> <li>Measure the Peak output power and record the r in the test report.</li> </ol>					
Test Result:						

## 4.2.2. Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Power meter	Agilent	E4419B	HKE-085	Feb. 17, 2023		
Power Sensor	Agilent	E9300A	HKE-086	Feb. 17, 2023		
RF cable	Times	1-40G	HKE-034	Feb. 17, 2023		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023		

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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## 4.2.3. Test Data

Test	Frequency	Maximum Pea	Maximum Peak Conducted Output Power (dBm)		
Channel	(MHz)	Antenna port 1	Antenna port 2	MIMO	dBm
NG		STING	TX 802.11b Mode	STA	Q
CH01	2412	12.67	12.69	HUAN	30
CH06	2437	15.20	13.71	1	30
CH11	2462	13.74	16.38	MUANT STU	30
AK TESTING	WAX TESTING	O	TX 802.11g Mode	0	W TESTING WAY TESTING
CH01	2412	14.09	14.05	I 0 H	30
CH06	2437	13.14	14.81	1	30
CH11	2462	12.80	15.06	1	30 30
	O HUAN	O HUAN T	X 802.11n20 Mode	O HUP	O HUNN
CH01	2412	11.63	14.42	16.26	30
CH06	2437	11.93	14.65	16.51	30
CH11	2462	12.37	14.83	16.78	30
		- JUAK TESTING	X 802.11n40 Mode	- UUAK TESTING	<u>.</u>
CH03	2422	12.03	14.94	16.73	30
CH06	2437	12.22	15.08	16.89	30
CH09	2452	12.42	15.15	17.01	30

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CATION

## 4.3. EMISSION BANDWIDTH

## 4.3.1. Test Specification

**HUAK TESTING** 

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)				
Test Method:	KDB 558074	O HOM	O HUL		
Limit:	>500kHz	LOK TESTING	Oler		
Test Setup:	Spectrum Analyzer	EUT	HUAKTESTUS		
Test Mode:	Transmitting mode with r	nodulation			
Test Procedure:	<ol> <li>The testing follows FCC KDB Publication No. 5580 D01 15.247 Meas Guidance v05r02.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyze resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to ma an accurate measurement. The 6dB bandwidth m be greater than 500 kHz.</li> <li>Measure and record the results in the test report.</li> </ol>				
Test Result:	PASS	O HUAR I	O HUM		

## 4.3.2. Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 17, 2023		
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 17, 2023		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023		

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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## 4.3.3. Test Data

For antenna port 1						
Test channel	6dB Emission Bandwidth (MHz)					
Test channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	9.00	16.28	16.96	35.68		
Middle	9.56	16.32	16.92	35.76		
Highest	9.56	16.36	16.96	36.00		
Limit:	>500k					
Test Result:	HUN	NG TESTING	PASS	STING		

Test plots as follows:

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EST H FIF

#### 802.11b Modulation



Middle channel



## Highest channel



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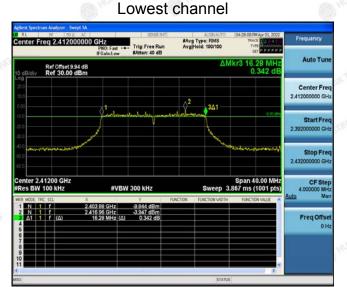
## Page 21 of 88

#### Report No.: HK2203291300-1E

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#### 802.11g Modulation



#### Middle channel



## Highest channel

 
 Algent Social Muddyr, Swyt JA
 Proguency

 Center Freq 2.452000000 GHz IFG als.2 w
 100 (201) Mage 100 (2010)
 4121(2010) (2010)
 0593 (8014) (2010)
 Proguency

 Center Freq 2.452000000 GHz IFG als.2 w
 Trig: Free Run IFG als.2 w
 Alsystem: NdS Arge Type: RMS IFG als.2 w
 Mage 10, 200 IFG als.2 w
 Proguency

 0
 Global Chi
 Trig: Free Run IFG als.2 w
 Alsystem: 10, 200 IFG als.2 w
 Center Freq 2.45200000 GHz
 Auto Tune

 0
 Global Chi
 -0.491 GH
 Center Freq 2.45200000 GHz
 2.45200000 GHz
 Center Freq 2.45200000 GHz
 2.45200000 GHz
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### 802.11n (HT20) Modulation

Lowest channel



Middle channel



### Highest channel



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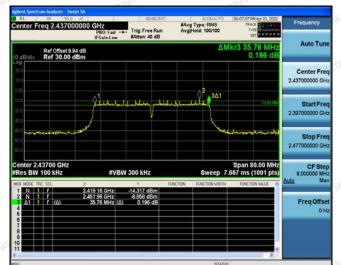


### 802.11n (HT40) Modulation

Lowest channel



Middle channel



### Highest channel

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FICATION

UAK TESTING UNAK TEST	TE FO	or antenna por	t 2	ESTIN - WARTEST	
Test shapped	(	6dB Emission	Bandwidth (MHz)	)	
Test channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)	
Lowest	9.08	16.32	16.92	36.08	
Middle	9.52	16.32	17.16	36.32	
Highest	10.00	16.36	17.00	36.08	
Limit:	O HUAN	≥500 (kHz)			
Test Result:	Bin	PASS			

Test plots as follows:

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#### 802.11b Modulation



Middle channel



## Highest channel



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### 802.11g Modulation

Lowest channel



Middle channel



## Highest channel

Address Sections Address Sections Address Sections Address Sections Center Freq 2.462000000 GHz Ref Offset 9.94 dB 1 Galaxiew 1 Galax

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### 802.11n (HT20) Modulation



Middle channel



## Highest channel

 
 Algent Social Muddyr, Swyt M.
 Production Mudyr, Swyt M.

 Center Freq 2.452000000 GHz France 40 dB
 Algent M. (1976) (1972) 49746 (0) (2022) 49746 (0) (2

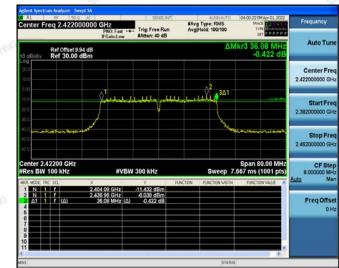
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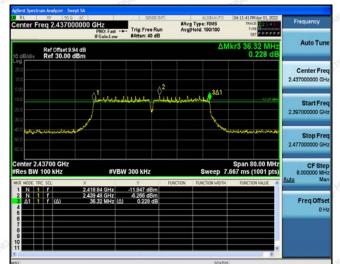


### 802.11n (HT40) Modulation

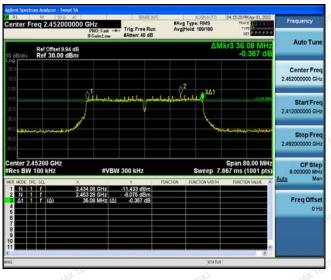
Lowest channel



Middle channel



## Highest channel



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HUAK TESTING

## 4.4. POWER SPECTRAL DENSITY

## 4.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)			
Test Method:	KDB 558074			
Limit:	The average power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.			
Test Setup:	Spectrum Analyzer EUT			
Test Mode:	<ul> <li>Transmitting mode with modulation</li> <li>1. The testing follows Measurement procedure 10.2 method PKPSD of FCC KDB Publication No.558074 D01 15.247 Meas Guidance v05r02.</li> <li>2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>3. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz Video bandwidth VBW ≥ 3 x RBW. Set the span to at least 1.5 times the OBW.</li> <li>5. Detector = Peak, Sweep time = auto couple.</li> <li>6. Employ trace averaging (Peak) mode over a minimum 100 traces. Use the peak marker function to determine the maximum power level.</li> <li>7. Measure and record the results in the test report.</li> </ul>			
Test Procedure:				
Test Result:	PASS			

## 4.4.2. Test Instruments

RF Test Room				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 17, 2023
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 17, 2023
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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FICATION

## 4.4.3. Test data

		-	
EUT Set Mode	Channel	Result (dBm/30kHz)	Result (dBm/3kHz)
	Lowest	-3.73	-13.73
802.11b	Middle	-2.57	-12.57
	Highest	-0.98	-10.98
	Lowest	-8.49	-18.49
802.11g	Middle	-1.69	-11.69
	Highest	-10.14	-20.14
	Lowest	-11.11	-21.11
802.11n(H20)	Middle	-11.25	-21.25
	Highest	-10.43	-20.43
	Lowest	-13.35	-23.35
802.11n(H40)	Middle	-13.21	-23.21
	Highest	-12.56	-22.56
PSD test result (dBm/3	kHz)= PSD test	t result (dBm/30kHz)-10	
Limit: 8dBm/3kHz			
Test Result:	HURIN	PASS	TING

## For antenna port 1

Test plots as follows:

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### 802.11b Modulation



Middle channel



### Highest channel



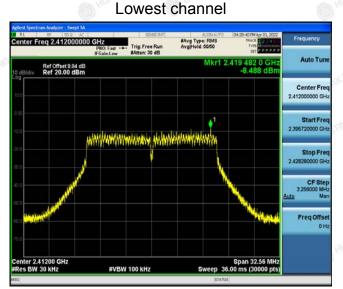
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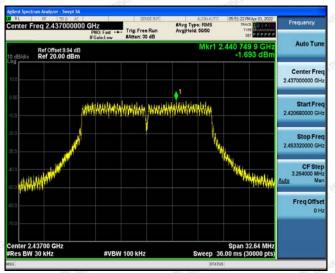


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### 802.11g Modulation



Middle channel



## Highest channel

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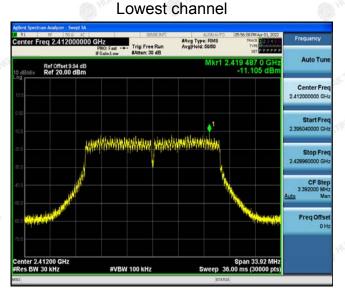
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### 802.11n (HT20) Modulation



Middle channel



## Highest channel

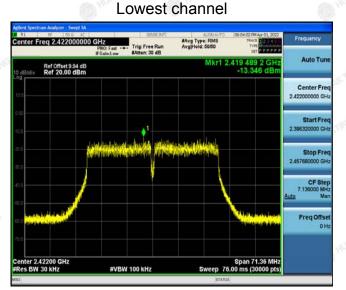
 Bit Mile
 State
 State

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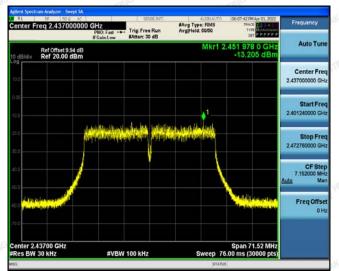
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### 802.11n (HT40) Modulation



Middle channel



### Highest channel

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For antenna port 2

		a par	
EUT Set Mode	Channel	Result (dBm/30kHz)	Result (dBm/3kHz)
	Lowest	-3.15	-13.15
802.11b	Middle	-2.72	-12.72
	Highest	-1.94	-11.94
	Lowest	-8.83	-18.83
802.11g	Middle	-8.06	-18.06
	Highest	-8.32	-18.32
	Lowest	-8.65	-18.65
802.11n(H20)	Middle	-8.62	-18.62
	Highest	-7.88	-17.88
	Lowest	-11.04	-21.04
802.11n(H40)	Middle	-10.47	-20.47
	Highest	-9.97	-19.97
PSD test result (dBm	/3kHz)= PSD test	result (dBm/30kHz)-10	
Limit: 8dBm/3kHz			
Test Result:	- Alexandre	PASS	ale Or

Test plots as follows:

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FICATION

### 802.11b Modulation



Middle channel



## Highest channel



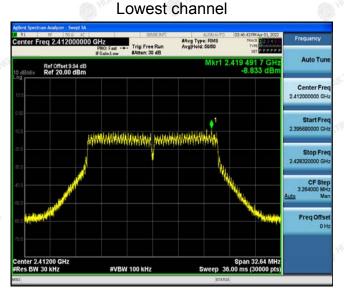
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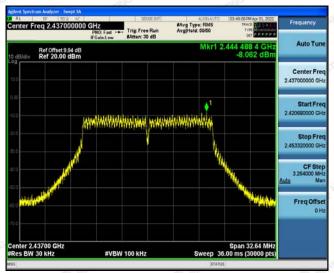


HUAK

### 802.11g Modulation



Middle channel



## Highest channel

 
 Ref Offset 394 dB
 State is 30 a 60
 State is 30 a 60
 State is 30 a 60
 Frequency

 Center Freq 2.462000000 GHz
 Infg: Free Run IFG alc.Lew
 Marg Type: RMS Avg Type: RMS Avg Type: RMS
 Tree P 2 A 60
 Frequency

 0 dBidv
 Ref Offset 394 dB
 Mkt1 2.469 471 90 GHz
 Auto Tune

 0 dBidv
 Ref Offset 394 dB
 Center Freq 2.46200000 GHz
 Center Freq 2.46200000 GHz
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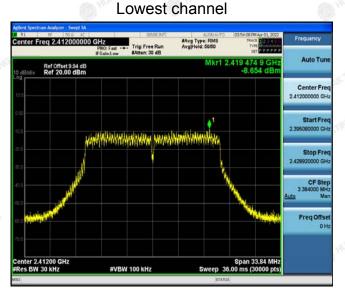
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### 802.11n (HT20) Modulation



Middle channel



## Highest channel

 
 eight Systems Makker: Seyste SA

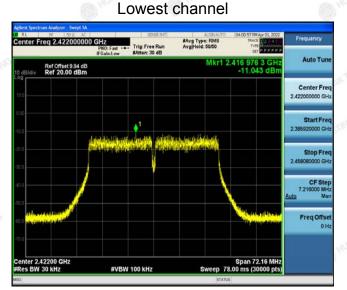
 Conter Freq 2.462000000 GHz IFGeixLever
 Frequency Avgrige: SoS Avgrig

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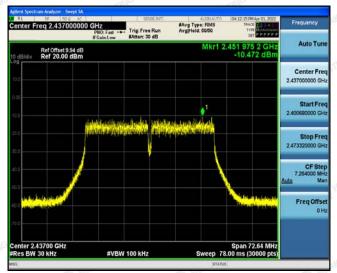
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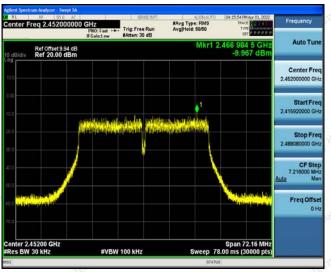
### 802.11n (HT40) Modulation



#### Middle channel



### Highest channel



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**IFICATION** 

Frequency	Power Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
A. A.	TX 802.11n/HT20 Mod	e	6
2412 MHz	-16.70	8 10 10 10	PASS
2437 MHz	-16.73	8	PASS
2462 MHz	-15.96	8	PASS
O HUGH	TX 802.11n/HT40 Mode		O HUAR IS
2422 MHz	-19.03	8	PASS
2437 MHz	-18.62	8	PASS
2452 MHz	-18.06	8	PASS

#### For MIMO antenna port 1+antenna port 2

2. limit=8dBm-(direction gain-6dBi)=8dBm Note: This product supports antenna 1 and antenna 2 launch, but only support 802.11 n for MIMO mode,

not support 802.11 b and 802.11 g for MIMO mode.

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