

Page 1 of 63

FCC TEST REPORT

Test report On Behalf of TeVii Technology Co.,Ltd. For Wireless Presentation Transmitter Model No.: G130 TX, WP130 TX, G13x TX (x: 0~9)

FCC ID: 2ALU5-G130TX

Prepared For : TeVii Technology Co.,Ltd.

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

Prepared By : Shenzh

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:Aug. 23, 2021 ~Sept. 28, 2021Date of Report:Sept. 28, 2021Report Number:HK2108233061-2E

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TEST RESULT CERTIFICATION

Applicant's name	TeVii Technology Co.,Ltd.
Address	10F, No. 125, Sec. 2, Datong Rd. 22183 Xizhi District, New Taipei City, Taiwan
Manufacture's Name	TeVii Technology Co.,Ltd.
Address	10F, No. 125, Sec. 2, Datong Rd. 22183 Xizhi District, New Taipei City, Taiwan
Product description	
Trade Mark:	TEVII / DIAMOND / ClearClick / JPC
Product name:	Wireless Presentation Transmitter
Model and/or type reference .:	G130 TX, WP130 TX, G13x TX (x: 0~9)
Standards	FCC Rules and Regulations Part 15 Subpart E Section 15.407 ANSI C63.10: 2013

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Date of Test	
Date (s) of performance of tests	Aug. 23, 2021 ~Sept. 28, 2021
Date of Issue	Sept. 28, 2021
Test Result	Pass

Prepared by:

Grang Dian

Project Engineer

Reviewed by:

Zden

Project Supervisor

Approved by:

lason Mou

Technical Director

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** Modified History **

Revision	Description	Issued Data	Remark	
Revision 1.0	Initial Test Report Release	Sept. 28, 2021	Jason Zhou	
STING	TING	STING	G	

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1. TEST RESULT SUMMARY

1.1. TEST PROCEDURES AND RESULTS

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a)	PASS
6dB Emission Bandwidth	§15.407(e)	N/A
26dB Emission Bandwidth& 99% Occupied Bandwidth	§15.407(a)	PASS
Power Spectral Density	§15.407(a)	PASS
Band edge	§15.407(b)/15.209/15.205	PASS
Radiated Emission	§15.407(b)/15.209/15.205	PASS
Frequency Stability	§15.407(g)	PASS

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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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
NG 1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3	3 Spurious emissions, conducted	
4	All emissions, radiated(<1G)	±3.90dB
5.00	5 All emissions, radiated(>1G)	
6	Temperature	±0.1°C
7	Humidity	±1.0%

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2. EUT DESCRIPTION

2.1. GENERAL DESCRIPTION OF EUT

Equipment:	Wireless Presentation Transmitter		
Model Name:	G130 TX	C HUAK TEL	C HUAK TEL
Serial No.:	WP130 TX, G13x TX (x: 0~9)	TESTING	
Trade Mark:	TEVII / DIAMOND / ClearClick / JPC	O HUAN	AUAK TESTING
Model Difference:	All model's the function, software and e with a product color, appearance and n sample model: G130 TX.		
FCC ID:	2ALU5-G130TX	C HUAK TEL	O HUAK !!
Operation Frequency:	IEEE 802.11a/n/ac(HT20) 5.180GHz-5 IEEE 802.11n/ac(HT40) 5.190GHz-5.2 IEEE 802.11ac(HT80) 5.210GHz		TING
Modulation Technology:	IEEE 802.11a/n/ac	O HUAK TEL	O HUNK TEL
Modulation Type:	CCK/OFDM/DBPSK/DAPSK	TESTING	
Antenna Type:	Internal Antenna	O HUM	HUAKTESTING
Antenna Gain:	1.52dBi	KTESTING	9
Power Source:	5V, 1A from adapter with AC100-24	0V, 50/60Hz, 0.4	A MATESING
Power Supply:	5V, 1A from adapter with AC100-24	0V, 50/60Hz, 0.4	A

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2.2. OPERATION FREQUENCY EACH OF CHANNEL

		~			
802.11a/802.11n(HT20) 802.11ac(HT20)		802.11n(HT40)/ 802.11ac(HT40)		802.11ac(HT80)	
Channel	Frequency	Channel	Frequency	Channel	Frequency
36 💿	5180	38	5190	42	5210
	5200	46	5230	NG	
44	5220	AK TES	TING	WAR TES	TING
48	5240		HUAKTESS	0	HUAKTES
		ang 🔘		TNG	
	WUAK TES		- 11	JAK TEST	
TESTING	KTESTING O	TESTING	K TESTING	-151	NG K TESTING
NAR OH	0 hrs.	HUAN	O HUM	HUAN	C HUM
		-			

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

For 802.11a/n (HT20)/ac(HT20)

Band I (5150 - 5250 MHz)					
Channel Number Channel Frequency (MHz)					
36	Low	5180			
40	Mid	5200			
48	High	5240			

For 802.11n (HT40)/ ac(HT40)

Band I (5150 - 5250 MHz)						
Channel Channel Frequency (MHz						
38	Low	5190				
46	High	5230				

For 802.11ac(HT80)

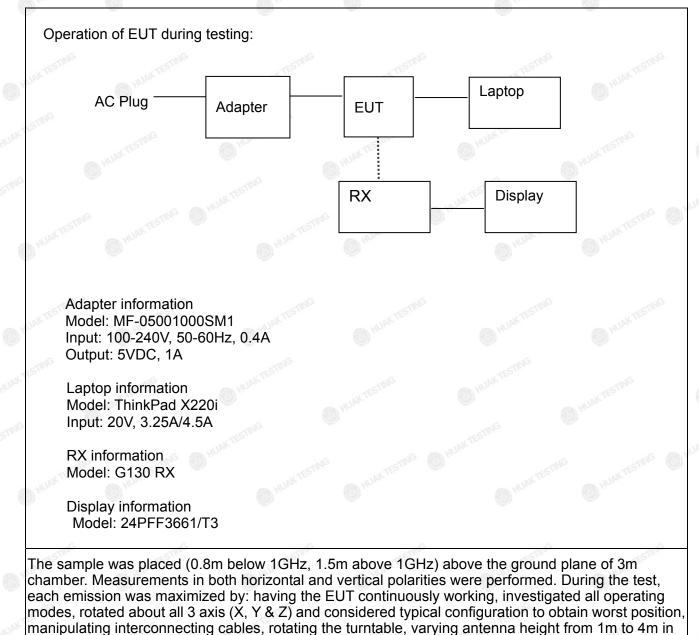
He He			
Band I (5150 - 5250 MHz)			
Channel Number	Frequency (MHz)		
42	5210		

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2.4. DESCRIPTION OF TEST SETUP



both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is Z position.

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3. GENERA INFORMATION

3.1. TEST ENVIRONMENT AND MODE

Operating Environment:			
Temperature:	25.0 °C	HUAKTES	HUAKTES
Humidity:	56 % RH	TING	
Atmospheric Pressure:	1010 mbar	HUAKTEST	TESTING

Test Mode:

Engineering mode:

Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 100%)

The sample was placed 0.8m/1.5m for blow/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.

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 which it was worst case.

TESTING	Mode	Data rate	TESTIN	
	802.11a	6 Mbps		
MG	802.11n(HT20)	MCS0	3	
an H	802.11n(HT40)	MCS0		
802.11	ac(HT20)/ac(HT40)/ac(HT80)	MCS0		
Final Tes	st Mode:			
Opera	ation mode:	Keep the EUT in continuous transmitting with modulation	3	

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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
/	NG I MUNITEST	I STING	HUAK TESTIN	I restring

Note:

HUAK TESTING

- 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, 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

cTIME CTIME	The the the the					
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 46* 0.5-5 56 46 5-30 60 50					
Test Setup:	Reference Plane 40cm 80cm LISN Filter AC power E.U.T AC power E.U.T AC power EMI Receiver Remark: E.U.T. Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m					
Test Mode:	Tx Mode					
Test Procedure:	 Tx Mode The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 					
Test Result:	PASS					

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4.1.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)							
EquipmentManufacturerModelSerial NumberCalibration DateCalibration Due							
Receiver	R&S	ESCI 7	HKE-010	Dec. 10, 2020	Dec. 09, 2021		
LISN	R&S	ENV216	HKE-002	Dec. 10, 2020	Dec. 09, 2021		
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Dec. 10, 2020	Dec. 09, 2021		
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	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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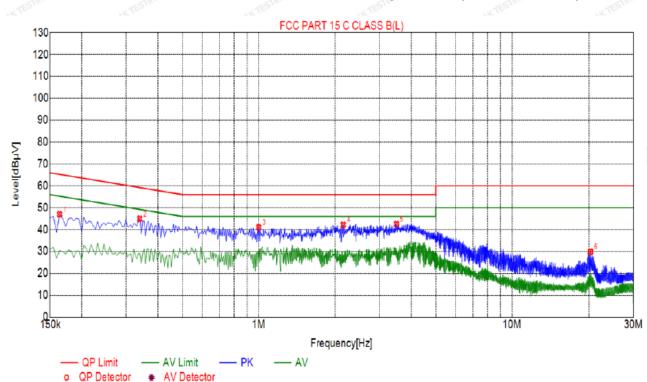
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Test data

All the test modes completed for test. only the worst result of (802.11a at 5180MHz) was reported

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



Sus	pected	List

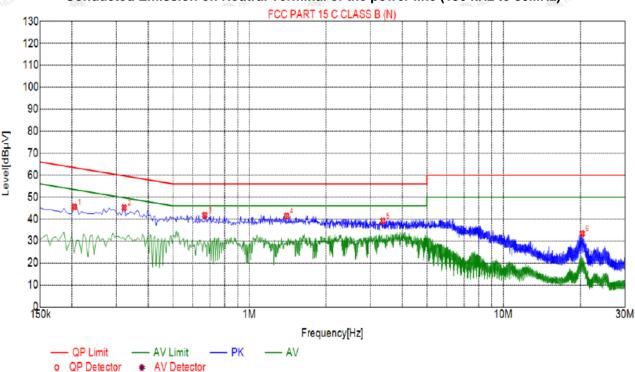
· · · · · · · · · · · · · · · · · · ·								
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре
1	0.1635	46.99	19.98	65.28	18.29	27.01	PK	L
2	0.3390	44.96	20.03	59.23	14.27	24.93	PK	L
3	1.0005	40.99	20.06	56.00	15.01	20.93	PK	L
4	2.1570	42.19	20.16	56.00	13.81	22.03	PK	L
5	3.4980	42.54	20.25	56.00	13.46	22.29	PK	L
6	20.2875	29.86	20.12	60.00	30.14	9.74	PK	L

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

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

	Suspected List									
	NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре	
	1	0.2040	45.53	20.04	63.45	17.92	25.49	PK	N	
	2	0.3210	45.14	20.05	59.68	14.54	25.09	PK	N	
	3	0.6675	41.77	20.05	56.00	14.23	21.72	PK	N	
ł	4	1.4010	41.33	20.11	56.00	14.67	21.22	PK	N	
2	5	3.3540	39.13	20.24	56.00	16.87	18.89	PK	Ν	
	6	20.3190	33.36	20.12	60.00	26.64	13.24	PK	N	

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

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4.2. MAXIMUM CONDUCTED OUTPUT POWER

4.2.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407(a)					
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02.r01 Section E					
Limit:	(MHZ)	Limit 250mW for client devic	ces			
Test Setup:	Power meter		J. HUMATESTING			
Test Mode:	Transmitting mode with modulation					
Test Procedure:	 The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Measure the conducted output power and record the results in the test report. 					
Test Result:	PASS					
Remark:	Conducted output power= measurement power +10log(1/x) X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power					

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4.2.2. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 10, 2020	Dec. 09, 2021		
Power meter	Agilent	E4419B	HKE-085	Dec. 10, 2020	Dec. 09, 2021		
Power Sensor	Agilent	E9300A	HKE-086	Dec. 10, 2020	Dec. 09, 2021		
RF cable	Times	[©] 1-40G	HKE-034	Dec. 10, 2020	Dec. 09, 2021		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 10, 2020	Dec. 09, 2021		

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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CATION

Test Data

	Configu	uration Band I (5150 - 5250 M	Hz)	
Mode	Test channel	Maximum Conducted Output Power (dBm)	FCC Limit (dBm)	Result
11a	CH36	7.44	24	PASS
11a	CH40	7.08	24	PASS
11a 🗤	CH48	7.39	24	PASS
11n(HT20)	CH36	7.11	24	PASS
11n(HT20)	CH40	6.51	24	PASS
11n(HT20)	CH48	6.93	24	PASS
11n(HT40)	CH38	6.48	24	PASS
11n(HT40)	CH46	5.79	24	PASS
11ac(HT20)	CH36	6.35	24	PASS
11ac(HT20)	CH40	5.45	24	PASS
11ac(HT20)	CH48	5.77	24	PASS
11ac(HT40)	CH38	5.09	24	PASS
11ac(HT40)	CH46	4.71	24	PASS
11ac(HT80)	CH42	4.81	24	PASS

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4.3. 6DB EMISSION BANDWIDTH

4.3.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407(e)						
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C						
Limit:	>500kHz						
Test Setup:							
Test Mode:	Transmitting mode with modulation						
Test Procedure:	 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. 						
Test Result:	N/A the same and the same and the same						

4.3.2. Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 10, 2020	Dec. 09, 2021		
RF cable	Times	₆ 1-40G	HKE-034	Dec. 10, 2020	Dec. 09, 2021		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 10, 2020	Dec. 09, 2021		

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

4.3.3Test data

N/A

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4.4. 26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

4.4.1. Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407				
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C				
Limit:	No restriction limits				
Test Setup:	Spectrum Analyzer				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth RBW = 1% EBW, VBW≥3RBW, In order to make an accurate measurement. Measure and record the results in the test report. 				
Test Result:	PASS				

4.4.2. Test Instruments

RF Test Room						
EquipmentManufacturerModelSerial NumberCalibration DateCalibration Dute						
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 10, 2020	Dec. 09, 2021	
RF cable	Times	1-40G	HKE-034	Dec. 10, 2020	Dec. 09, 2021	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 10, 2020	Dec. 09, 2021	

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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Test data

Band I

Mode Test channel		Frequency (MHz)	26 dB Bandwidth (MHz)	Verdict	
11a	CH36	5180	20.68	PASS	
11a 🔘 🛛	CH40	5200	20.92	PASS	
11a	CH48	o 5240	21.04	PASS	
11n(HT20)	CH36	5180	21.12	PASS	
11n(HT20)	CH40	5200	21.00	PASS	
11n(HT20)	CH48	5240	21.04	PASS	
11n(HT40)	CH38	5190	43.12	PASS	
11n(HT40)	CH46	5230	42.24	PASS	
11ac(HT20)	CH36	5180	21.04	PASS	
11ac(HT20)	CH40	5200	21.12	PASS	
11ac(HT20)	CH48	5240	21.32	PASS	
11ac(HT40)	CH38	5190	42.16	PASS	
11ac(HT40)	CH46	5230	42.96	PASS	
11ac(HT80)	CH42	5210	83.68	PASS	
			A M T	2017	

Test plots as follows:

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Band I (5150 - 5250 MHz)



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Report No.: HK2108233061-2E



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Report No.: HK2108233061-2E

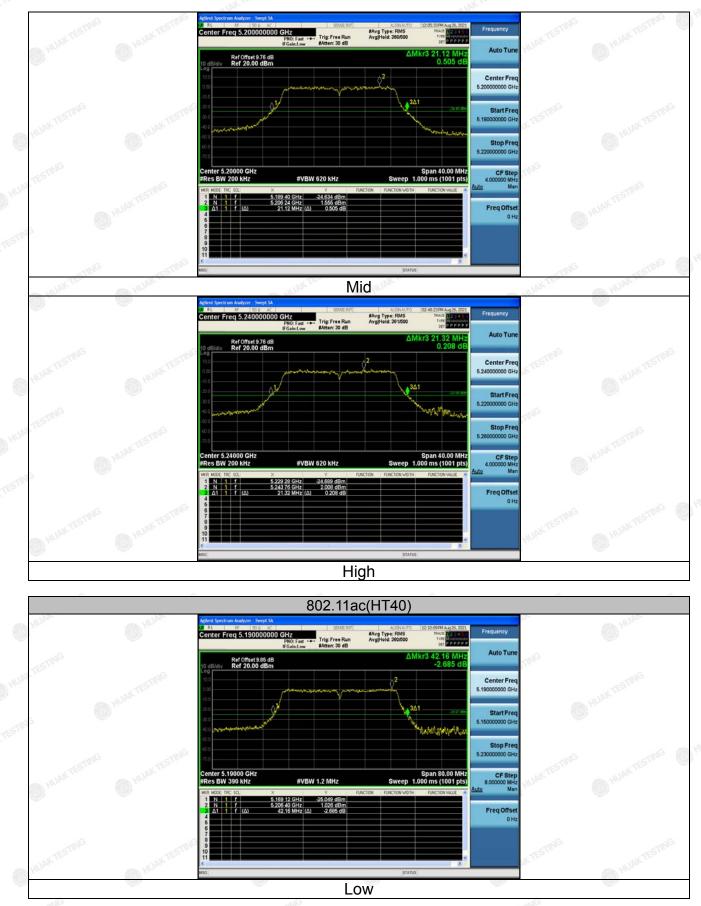
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4.5. POWER SPECTRAL DENSITY

4.5.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407 (a)				
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F				
Limit:	≤11.00dBm/MHz for Band I 5150MHz-5250MHz				
Test Setup:					
	Spectrum Analyzer EUT				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	 Transmitting mode with modulation 1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 2. Set RBW = 1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS. 3. Allow the sweeps to continue until the trace stabilizes. 4. Use the peak marker function to determine the maximum amplitude level. 5. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment. 				
Test Result:	PASS				

4.5.2. Test Instruments

RF Test Room							
EquipmentManufacturerModelSerial NumberCalibration DateCalibrat Due							
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 10, 2020	Dec. 09, 2021		
RF cable	Times	👷 1-40G 🌑	HKE-034	Dec. 10, 2020	Dec. 09, 2021		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 10, 2020	Dec. 09, 2021		

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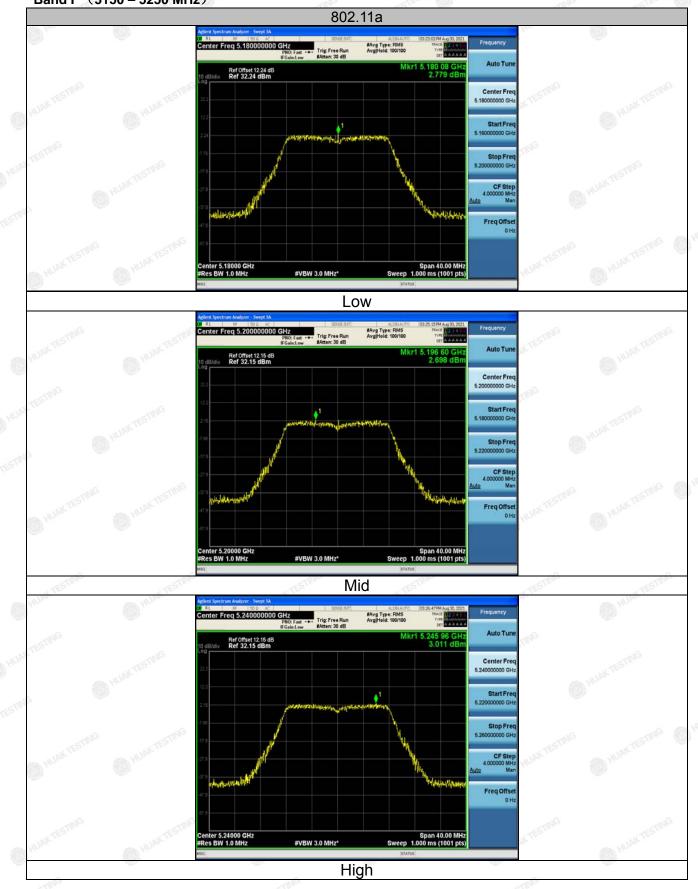
4.5.3. Test data

Configuration Band I (5150 - 5250 MHz)						
Mode	Test channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result		
11a	CH36	2.78	11,000	PASS		
11a	CH40	2.7	11	PASS		
11a	CH48	3.01	11	PASS		
11n(HT20)	CH36	1.95	11	PASS		
11n(HT20)	CH40	2.68	11	PASS		
11n(HT20)	CH48	2.96	11	PASS		
11n(HT40)	CH38	1.02	11	PASS		
11n(HT40)	CH46	2.5	11	PASS		
11ac(HT20)	CH36	2.61	11 KTESTIN	PASS		
11ac(HT20)	CH40	2.61	11	PASS		
11ac(HT20)	CH48	3.44	11 ₅₁₀ 6	PASS		
11ac(HT40)	CH38	1.96	0 ^{HUAN} 11	PASS		
11ac(HT40)	CH46	3.86	11	PASS		
11ac(HT80)	CH42	2.5	11	PASS		

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Band I (5150 - 5250 MHz)

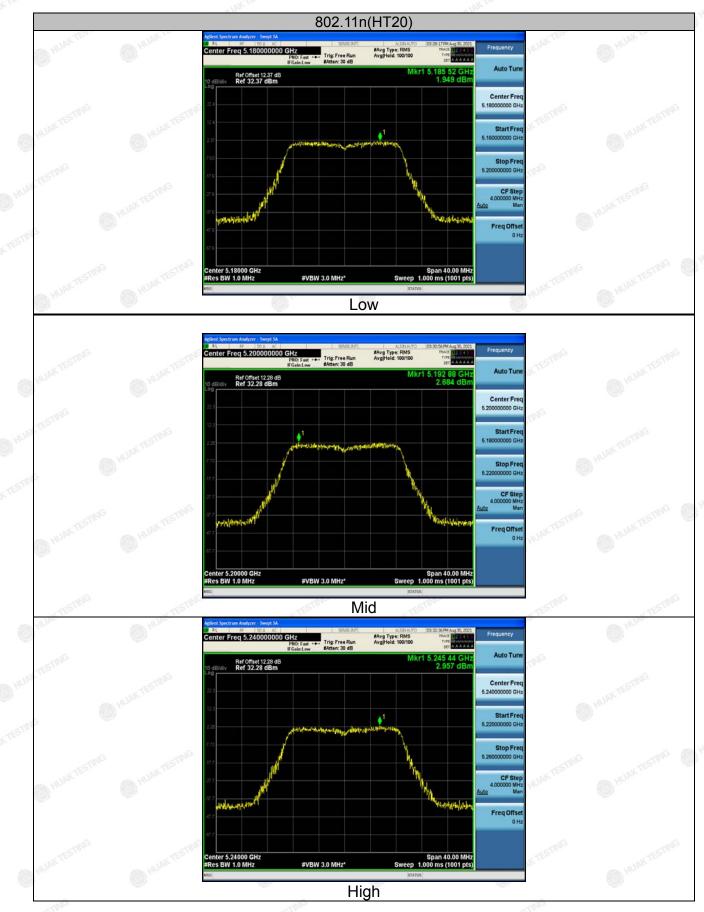


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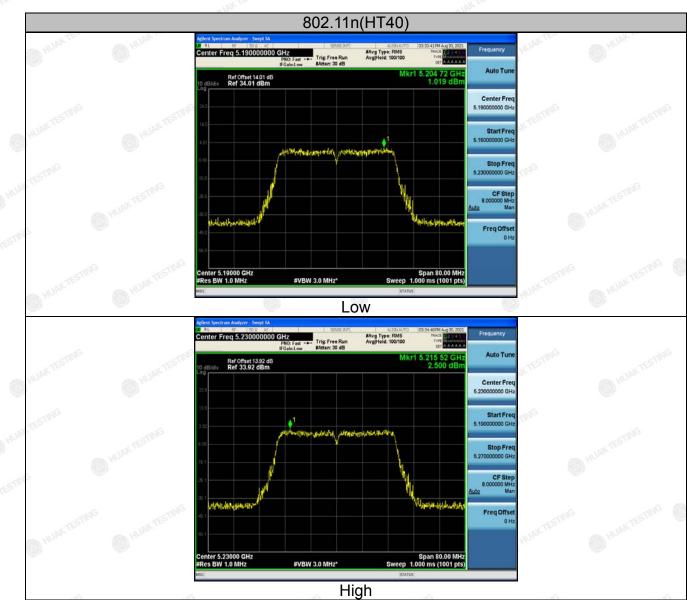
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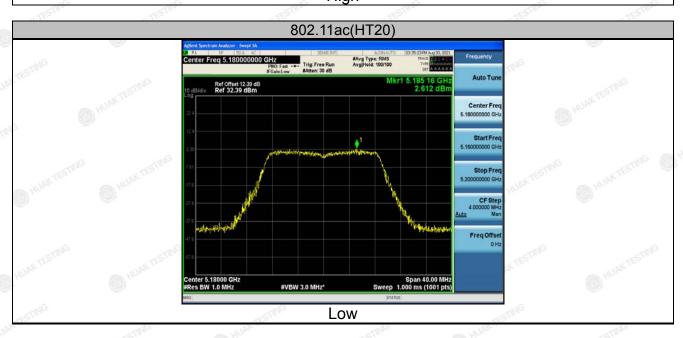


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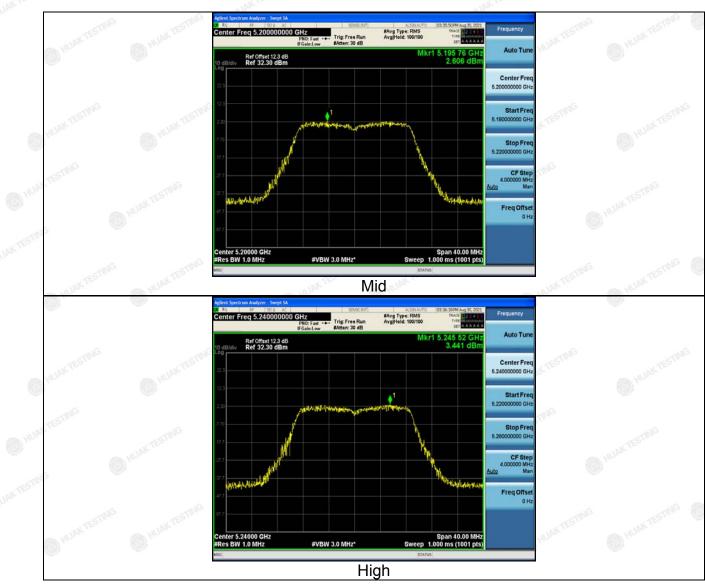


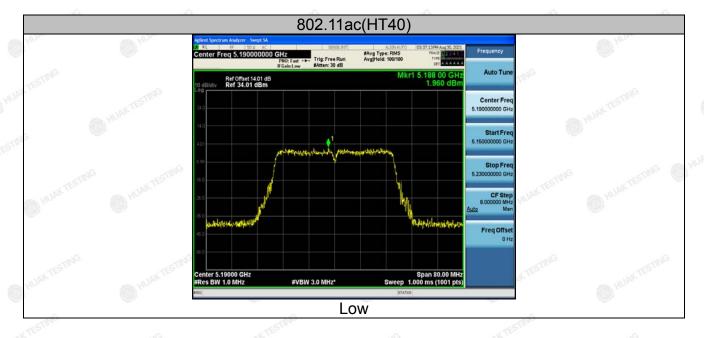


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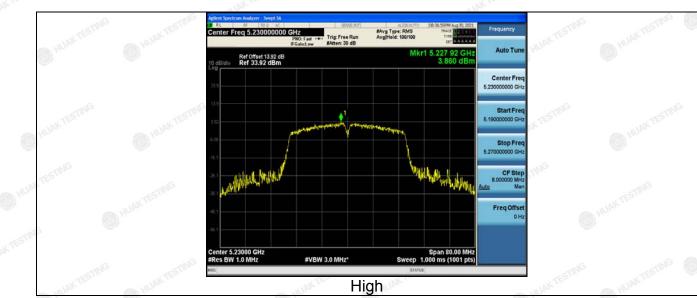
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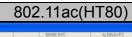
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Low

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4.6. BAND EDGE

4.6.1. Test Specification

Test Requirement:	FCC CFR47 Part 15E Section 15.407		
Test Method:	ANSI C63.10 2013		
	For band I&II&III: E[dBμV/m] = EIRP[dBm] + 95.2=68.2 dBμV/m, for EIRP(dBm)= -27dBm For transmitters operating in the 5.725-5.85 GHz band:		
Limit:	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		
	For band IV(5715-5725MHz&5850-5860MHz): E[dBµV/m] = EIRP[dBm] + 95.2=78.2 dBµV/m, for EIRP(dBm)= -27dBm ;		
	For band IV(other un-restricted band):E[dBµV/m] = EIRP[dBm] + 95.2=68.2 dBµV/m, for EIRP(dBm)= -27dBm		
Test Setup:	Ant. feed point 14 m Ground Plane		
	Receiver Amp.		
Test Mode:	Transmitting mode with modulation		
Test Procedure:	 The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 		

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Test Proced	łure:	 4. For each suspected emission, the to its worst case and then the anten heights from 1 meter to 4 meters and turned from 0 degrees to 360 degree maximum reading. 5. The test-receiver system was set Function and Specified Bandwidth v Mode. 6. If the emission level of the EUT in 10dB lower than the limit specified, stopped and the peak values of the reported. Otherwise the emissions to 10dB margin would be re-tested one guasi peak or average method as s 	ina was tuned to ad the rota table was ses to find the to Peak Detect with Maximum Hold n peak mode was then testing could be EUT would be that did not have e by one using peak,
Test Result:	:	PASS	h

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4.6.2. Test Instruments

Radiated Emission Test Site (966)						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Receiver	R&S	ESRP3	HKE-005	Dec. 10, 2020	Dec. 09, 2021	
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 10, 2020	Dec. 09, 2021	
Preamplifier	EMCI	EMC051845S E	HKE-015	Dec. 10, 2020	Dec. 09, 2021	
Preamplifier	Agilent	83051A	HKE-016	Dec. 10, 2020	Dec. 09, 2021	
Loop antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 10, 2020	Dec. 09, 2021	
Broadband antenna	Schwarzbeck	VULB 9163	HKE-012	Dec. 10, 2020	Dec. 09, 2021	
Horn antenna	Schwarzbeck	9120D	HKE-013	Dec. 10, 2020	Dec. 09, 2021	
Antenna Mast	Keleto	CC-A-4M	N/A	N/A	N/A	
Position controller	Taiwan MF	MF7802	HKE-011	Dec. 10, 2020	Dec. 09, 2021	
Radiated test software	Tonscend	TS+ Rev 2.5.0.0	HKE-082	N/A	N/A	
RF cable (9KHz-1GHz)	Times	381806-001	N/A	N/A	N/A	
Hf antenna	Schwarzbeck	LB-180400-K F	HKE-031	Dec. 10, 2020	Dec. 09, 2021	
RF cable	Tonscend	1-18G	HKE-099	Dec. 10, 2020	Dec. 09, 2021	
RF cable	Times	1-40G	HKE-034	Dec. 10, 2020	Dec. 09, 2021	

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4.6.3. Test Data

Radiated Band Edge Test:

Operation Mode: 802.11a Mode with 5.2G TX CH Low

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150	54.62	-2.49	52.13	74	-21.87	peak
5150	TSTIG OF	-2.49	mis / rest	54	STING	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz) ^{کس} ری	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Delector Type
5150	53.92	-2.49	51.43	74	-22.57	peak
5150	1	-2.49	1	54	NG	AVG
Remark: Factor	= Antenna Factor	+ Cable Loss -	Pre-amplifier.	ING CHUNKIL	-mu	G STING

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Operation Mode: TX CH High with 5.2G

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Turne
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Detector Type
5350	54.18	-2.11	52.07	74	-21.93	peak
5350	1	-2.11	1	54	K TESTING	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5350	53.74	-2.11	51.63	74	-22.37	peak
5350	HUAN TEL	-2.11	HUAKTE	54	HUAK TEL	AVG
		1997 - C.		1		1997 - C.

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier.

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Operation Mode: 802.11n20 Mode with 5.2G TX CH Low

Horizontal

Frequer	ncy M	eter Reading	Factor	Emission Level	🕬 Limits	Margin	Detector Turne
(MHz)		(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150 since		54.22	-2.49	51.73	74	-22.27	peak
5150	HUAKTES	1	-2.49	HUXTESI	54	1	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150	54.75	-2.49	52.26	74	-21.74	peak
s ^{anic} 5150	1	-2.49	1	54	TESTING	AVG
Domoriu Footor	- Antonno Fostor	L Cabla Lasa	Dro omnlifion	A HO		TESTING

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: TX CH High with 5.2G

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Ture
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Detector Type
5350	53.69	-2.11	51.58	74	-22.42	peak
5350	1	-2.11	1	54	restrive /	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
5350	54.17	-2.11	52.06	74	-21.94	peak
5350	HUAK TED	-2.11	I HUAK TES	54	WAKTED	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: 802.11 n40 Mode with 5.2G TX CH Low

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Tures
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
^{NG} 5150	52.58	-2.49	50.09	74	-23.91	peak
5150	1	-2.49	HUALTEST	54	1	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Turne
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150	51.69	-2.49	49.2	74	-24.8	peak
5150	STING /	-2.49	/ TESTING	54		AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: TX CH High with 5.2G

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Ture
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5350	53.74	-2.11	51.63	74	-22.37	peak
5350		-2.11	1	54	restrive /	AVG

Vertical:

1051100	Tern Co	10	STAD TESTIC	S22	COTING .	TESTIC
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5350	54.26	-2.11	52.15	NG 74	-21.85	peak
5350	HUAK TED /	-2.11	I HUAK TES	54	NUAKTED	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: 802.11 ac20 Mode with 5.2G TX CH Low

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotootor Turo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150	52.14	-2.49	49.65	74	-24.35	peak
5150	STING /	-2.49	-	54 max	1	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150	53.47	-2.49	50.98	74	-23.02	peak
5150	/	-2.49	Ÿ	54	1	AVG
Bomark: Easter	- Antonno Eastor		Dro omplifior®	19	TESTINE	лG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: TX CH High with 5.2G

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Detector Type
5350	53.74	-2.11	51.63	74	-22.37	peak
5350		-2.11	1	54	K TESTING	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Delector Type
5350	54.27	-2.11	_o 52.16	74	-21.84	peak
5350	HUAKTE	-2.11	HUANT	54	HUAKTE	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: 802.11 ac40 Mode with 5.2G TX CH Low

Horizontal

Frequence	cy N	leter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	O HU	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150		54.31	-2.49	51.82	74	-22.18	peak
5150	NAKTES	1	-2.49	HUALTES	54	1	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	✓ (dBµV/m)	(dB)	Detector Type
5150	52.56	-2.49	50.07	74 🔘	-23.93	peak
[©] 5150	1	-2.49	1	54	ESTING	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: TX CH High with 5.2G

Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Ture
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5350	52.78	-2.11	50.67	74	-23.33	peak
5350		-2.11	1	54	TESTING /	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Delector Type
5350	54.16	-2.11	52.05	74	-21.95	peak
5350	HUAN TES /	-2.11	I HUAK TES	54	WAKTED	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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Operation Mode: 802.11 ac80 Mode with 5.2G TX CH Low

Horizontal

Frequency	Meter Reading	Factor	Emission Level	No Limits	Margin	Detector Turne
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
5150	56.22	-2.49	53.73	74	-20.27	peak
5150		-2.49	HUNKTEST	54	1	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Tyre
(MHz)	(dBµV)	(dB)	(dBµV/m)	IdBµV/m)	(dB)	Detector Type
5150	54.73	-2.49	52.24	74 🌑	-21.76	peak
^{SS} 5150	1	-2.49	1	54	ESTING /	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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FICATION

Operation Mode: TX CH High with 5.2G

Horizontal

Freq	uency	Meter Reading	Factor	Emission Level	No Limits	Margin	Detector Turo
(M	IHz) 🕚	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
s ⁶⁰ 53	350	53.64	-2.11	51.53	74	-22.47	peak
53	350	STAND /	-2.11	KESTING	54	1	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	- Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
5350	52.16	-2.11	50.05	74	-23.95	peak
5350	1	-2.11		54	1	AVG

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4.7. SPURIOUS EMISSION

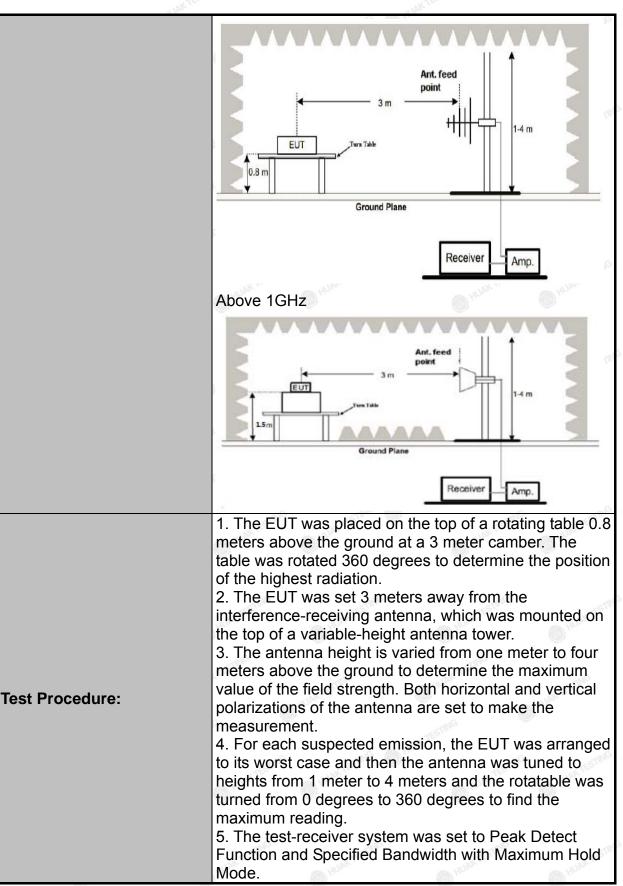
4.7.1.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407						
Test Method:	KDB 789033	KDB 789033 D02 v02r01					
Frequency Range:	9kHz to 40G	9kHz to 40GHz					
Measurement Distance:	3 m	KTESTING	6 ^H	JAKTA	KTESTING		
Antenna Polarization:	Horizontal &	Horizontal & Vertical					
Operation mode:	Transmitting	mode with	modulat	tion			
	Frequency 9kHz- 150kHz 150kHz-	Detector Quasi-peak Quasi-peak	RBW 200Hz 9kHz	VBW 1kHz 30kHz	Remark Quasi-peak Value Quasi-peak Value		
Receiver Setup:	30MHz 30MHz-1GHz Above 1GHz	Quasi-peak Peak Peak	120KHz 1MHz 1MHz	300KHz 3MHz 10Hz	Quasi-peak Value Peak Value Average Value		
Limit:	shall not exc (i) All emiss dBm/MHz at edge increas above or below or below the 15.6 dBm/MI and from 5 increasing lin edge.	eed an e.i.r sions shall 75 MHz or sing linear ow the ban band edge Hz at 5 MHz MHz abo nearly to a l requency b	r.p. of -2 be lim r more a ly to 10 d edge, e increas z above ove or evel of 2 elow 1G	27 dBm/N ited to a bove or dBm/M and from sing linea or below below ti 27 dBm/N Hz and v	5.35 GHz ban AHz. a level of -2 below the ban Hz at 25 MH 25 MHz abov arly to a level of the band edge he band edge AHz at the ban which fall in res		
Test setup:	For radiated	3	m —				
	30MHz to 10	HUAN					

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Test results:	PASS
Test Procedure:	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

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4.7.2. Test Data

All the test modes completed for test. only the worst result of (802.11a at 5180MHz) was reported Below 1GHz



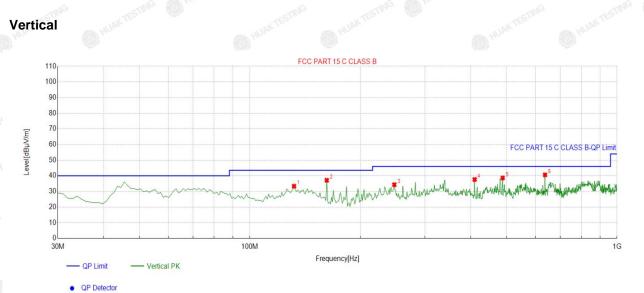
Susp	bect	ed	List	

Suspe	cted List								
NO.	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polanty
1	46.5065	-13.65	45.25	31.60	40.00	8.40	100	348	Horizontal
2	87.2873	-17.72	51.57	33.85	40.00	6.15	100	348	Horizontal
3	133.8939	-18.81	53.49	34.68	43.50	8.82	100	269	Horizontal
4	258.1782	-13.50	52.93	39.43	46.00	6.57	100	360	Horizontal
5	582.4825	-6.64	41.64	35.00	46.00	11.00	100	68	Horizontal
6	706.7668	-4.94	45.34	40.40	46.00	5.60	100	190	Horizontal

Remark: Factor = Cable loss + Antenna factor - Preamplifier; Level = Reading + Factor; Margin = Limit - Level

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Suspe	cted List								
	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	Delevite
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	131.9520	-18.69	52.01	33.32	43.50	10.18	100	2	Vertical
2	162.0521	-18.03	55.17	37.14	43.50	6.36	100	272	Vertical
3	247.4975	-13.51	47.83	34.32	46.00	11.68	100	56	Vertical
4	409.6497	-10.23	47.86	37.63	46.00	8.37	100	79	Vertical
5	488.2983	-8.53	47.16	38.63	46.00	7.37	100	339	Vertical
6	636.8569	-5.60	46.19	40.59	46.00	5.41	100	118	Vertical
			1				1	9	

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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FICATION

Above 1GHz

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Turc
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
3647	60.41	-4.59	55.82	74	-18.18	peak
3647	46.32	-4.59	41.73	54	-12.27	AVG
10360	53.69	3.74	57.43	74	-16.57	peak
10360	43.16	3.74	46.9	54	-7.1	AVG

Vertical:

STING	STING	-51	NC	TIME	STINC	STIN
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
3647	61.21	-4.59	56.62	74	-17.38	peak
3647	45.22	-4.59	40.63	54	-13.37	AVG
10360	51.79	3.74	55.53	74	-18.47	peak
10360	43.16	3.74	46.9	54	-7.15	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dete at a Turn
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Detector Type
3647	60.72	-4.59	56.13	74	-17.87	peak
3647	45.22	-4.59	40.63	54	-13.37	AVG
10400	53.14	3.74	56.88	74	-17.12	peak
10400	44.25	3.74	47.99	54	-6.01	AVG

Vertical:

MA	-males		MNG	TANG	TING	T
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
3647	60.79	-4.59	56.2	74	-17.8	peak
3647	43.16	-4.59	38.57	54	-15.43	AVG
10400	51.87	3.74	55.61	74 MARTES	-18.39	peak
10400	40.29	3.74	44.03	54	-9.97	AVG

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HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Data atau Tura
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Detector Type
3647	61.73	-4.59	57.14	74	-16.86	peak
3647	45.24	-4.59	40.65	54	-13.35	AVG
10480	53.19	3.75	56.94	74	-17.06	peak
10480	42.33	3.75	46.08	54	-7.92	AVG
TING	come W		TING	here and	TING	~STILL

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	🔊 Limits	Margin	D. L. L. TSIM
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
3647	60.49	-4.59	55.9	74	-18.1	peak
3647	43.77	-4.59	39.18	54	-14.82	AVG
10480	55.36	3.75	59.11	74	-14.89	peak
10480	40.16	3.75	43.91	54	-10.09	AVG
TESTING	TEST	A.	STING		TSTIN	TESTRA

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Remark:

(1) Measuring frequencies from 1 GHz to the 40 GHz.

(2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency.
 (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of

15.205, then the general radiated emission limits in 15.209 apply.

(4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.

(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

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4.8. FREQUENCY STABILITY MEASUREMENT

4.8.1. Test Specification

Test Requirement:	FCC Part15 Section 15.407(g)
Test Method:	ANSI C63.10: 2013
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Setup:	Temperature Chamber Spectrum Analyzer EUT AC/DC Power supply
Test Procedure:	The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
Test Result:	PASS
Remark:	N/A Martin Contraction Contraction Contraction

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4.8.2. Test Instruments

RF Test Room								
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due			
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 10, 2020	Dec. 09, 2021			
Temperature and humidity meter	Boyang	HTC-1	HKE-077	Dec. 10, 2020	Dec. 09, 2021			
programmable power supply	Agilent	[©] E3646A	HKE-092	Dec. 10, 2020	Dec. 09, 2021			

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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*

Test Result as follows:

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
5.2G Band	4.25V	5179.972	-28	5239.969	-31
	5V	5179.979	-21	5239.978	-22
	5.75V	5179.986	-14	5239.975	-25

Mode	Temperature (℃)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
NG	-30	5179.984	-16	5239.969	-31
STAT	-20	5179.976	-24	5239.978	-22
3	-10	5180.012	12	5239.984	-16
HUAKTESTING	0 🔘 🗝	5179.997	-3	5239.986	-14
5.2G Band	10	5179.982	-18	5239.967	-33
TESTING	20	5179.988	-12	5239.966	-34
Mar Mon	30	5179.979	-21	5239.971	-29
	40	5179.974	-26	5239.962	-38
ESTIM-	50	5179.968	-32	5239.973	-27

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4.9. ANTENNA REQUIREMENT

Standard Applicable

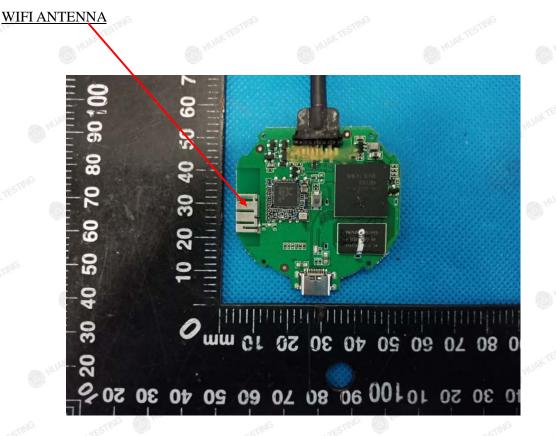
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is a Internal Antenna, which permanently attached. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 1.52dBi.

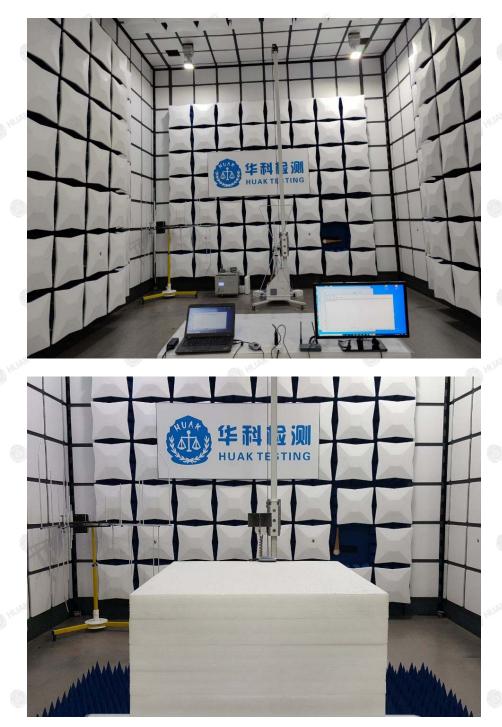


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5. PHOTOGRAPHS OF TEST SETUP

Radiated Emission



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Conducted Emission



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P A T

6. PHOTOS OF THE EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

----End of test report--

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