

# **FCC Test Report**

Test Report
On Behalf of
Shenzhen Ningyuanda Technology Co., Ltd
For
Camera

Model No.: X3, X5, G1, G2, G3, G4, G5, G6, G7, G8, G9, G10, G11, G12, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11

FCC ID: 2BEXJ-X3

Prepared For: Shenzhen Ningyuanda Technology Co., Ltd

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Date of Test: Feb. 27, 2024 ~ Mar. 07, 2024

Date of Report: Mar. 07, 2024

Report Number: HK2402270832-E

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**Test Result Certification** 

Applicant's Name.....: Shenzhen Ningyuanda Technology Co., Ltd

Shenzhen, China

Manufacturer's Name ........... Shenzhen Ningyuanda Technology Co., Ltd

Shenzhen, China

**Product Description** 

Trade Mark ..... N/A

Product Name...... Camera

Model and/or Type Reference: X3, X5, G1, G2, G3, G4, G5, G6, G7, G8, G9, G10, G11, G12,

D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11

Standards FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.10: 2013

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Date of Test .....

Date (s) of Performance of Tests ...... Feb. 27, 2024 ~ Mar. 07, 2024

Date of Issue...... Mar. 07, 2024

Test Result..... Pass

**Testing Engineer** 

len lian

Len Liao

**Technical Manager** 

Liver Wan

Sliver Wan

Authorized Signatory

Jason Wou

Jason Zhou

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#### STING

Report No.: HK2402270832-E

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\*\* Modified History \*\*

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Mar. 07, 2024	Jason Zhou
JAN HUAN		HUAN	
			9

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# 1. Test Result Summary

#### 1.1. Test Procedures and Results

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247(b)(4)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247(b)(3)	PASS
6dB Emission Bandwidth	§15.247(a)(2)	PASS
Power Spectral Density	§15.247(e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	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.

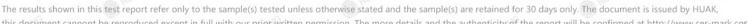
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1.3. Measurement Uncertainty

The reported uncertainty of measurement y ± 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.	ltem	MU
1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3	Spurious emissions, conducted	±0.11dB
4 111/6	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
ES 7	Humidity	±1.0%





# 2. EUT Description

# 2.1. General Description of EUT

(6230)	CETTA CETTA CETTA
Equipment:	Camera
Model Name:	X3 Humers
Series Model:	X5, G1, G2, G3, G4, G5, G6, G7, G8, G9, G10, G11, G12, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11
Model Difference:	All model's the function, software and electric circuit are the same, only with product model named different. Test sample model: X3.
FCC ID:	2BEXJ-X3
Antenna Type:	FPC Antenna
Antenna Gain:	1.48dBi
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:	DC5V from micro USB
Power Rating:	DC5V from micro USB

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# 2.2. Carrier Frequency of Channels

Channel List For 802.11b/802.11g/802.11n (HT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	<sup>AUP 10</sup>	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)
STING_	K TESTIII	04	2427	07	2442	TESTIN	NTE
(D) H		05	2432	08	2447	HUAN	A HOM
03	2422	06	2437	09	2452		

#### 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

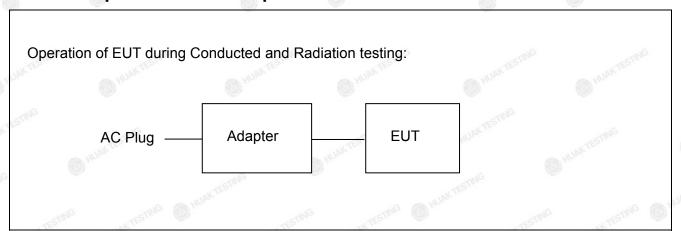
The mode is used: Transmitting mode for 802.11n (HT40)

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

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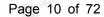


2.4. Description of Test Setup



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. General Information

# 3.1. Test Environment and Mode

perating Environment:			
Temperature:	25.0 °C	MAKTESIN	THE HUAK TO
Humidity:	56 % RH	9	(1)
Atmospheric Pressure:	1010 mbar	LAKTESTING	, NG
est Mode:	•		
Engineering Mode:	Keep the EUT by select chann		

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.

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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.

Data rate
1Mbps
6Mbps
6.5Mbps
13.5Mbps

#### **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 802.11n(H40).

3. Mode Test Duty Cycle

Mode	Duty Cycle	Duty Cycle Factor (dB)
802.11b	0.990	-0.043
802.11g	0.941	-0.263
802.11n(H20)	0.965	-0.153
802.11n(H40)	0.909	-0.414

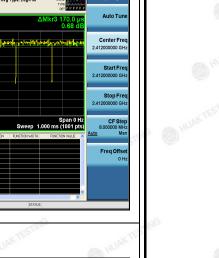
Test plots as follows:

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802.11g

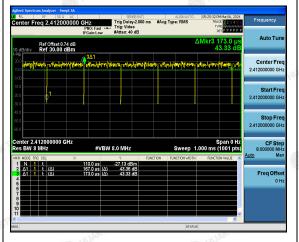
Ref Offset 8.74 dB Ref 30.00 dBm

802.11b

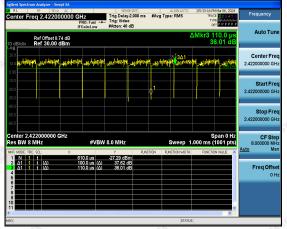


Report No.: HK2402270832-E

# 802.11n(H20)



### 802.11n(H40)



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# 3.2. Description of Support Units

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.

Item	Equipment	Trade Mark	Model/Type No.	Specification	Remark
G	Camera	N/A	×3	N/A	EUT
2	USB Cable	N/A	N/A	Length: 50cm	Accessory
<sup>5</sup> 3	Adapter	N/A	MDY-10-EH	Input: AC100-240V, 50/60Hz, 0.7A Output: DC5V/3A, 9V/3A, 12V/2.25A, 20V/1.35A	Peripheral
- JUAK TES	HUAKTES		UAN TESTI	- MAKIESIII	HUAKTES
0		9		0	
TIN	- TING		TING	NG THE	TING

#### Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 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

### **Test Specification**

TIME TIME	TING	TING	TINE	70			
Test Requirement:	FCC Part15 C Secti	on 15.207	AKTES (III	HUAKTES			
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013					
Frequency Range:	150 kHz to 30 MHz	150 kHz to 30 MHz					
Receiver Setup:	RBW=9 kHz, VBW=	RBW=9 kHz, VBW=30 kHz, Sweep time=auto					
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Limit (d Quasi-peak 66 to 56* 56 60	Average 56 to 46* 46 50	AFTESTING			
Test Setup:	Test table/Insulation p	Test table/Insulation plane  Remark  E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network					
Test Mode:	Transmitting with mo	odulation	AX TESTING	MAKTESTIN			
Test Procedure:	line impedance st provides a 50ohm measuring equipm 2. The peripheral de power through a l coupling impedant refer to the block photographs). 3. Both sides of A.C conducted interfe emission, the relation	<ol> <li>The E.U.T is 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.</li> <li>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</li> </ol>					
Test Result:	PASS	JAKTE	TING	-n/G			
25"	CO. Fr.	All Arthur		261			

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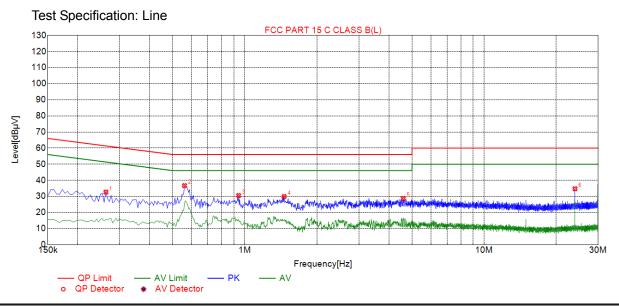
#### **Test Instruments**

	Conducted Emission Shielding Room Test Site (843)						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Receiver	R&S	ESR-7	HKE-005	Feb. 20, 2024	Feb. 19, 2025		
LISN	R&S	ENV216	HKE-002	Feb. 20, 2024	Feb. 19, 2025		
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Feb. 20, 2024	Feb. 19, 2025		
10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	Feb. 20, 2024	Feb. 19, 2025		
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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# 4.2. Test Result



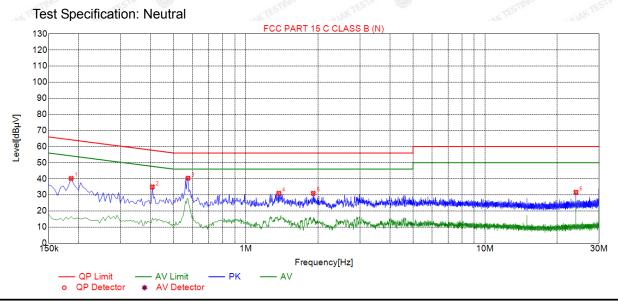
Sus	Suspected List								
NO.	Freq. [MHz]	Level [dBµ∀]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµ∀]	Detector	Туре	
1	0.2625	32.66	20.03	61.35	28.69	12.63	PK	L	
2	0.5595	36.69	20.06	56.00	19.31	16.63	PK	L	
3	0.9420	30.54	20.06	56.00	25.46	10.48	PK	L	
4	1.4595	29.93	20.10	56.00	26.07	9.83	PK		
5	4.5960	28.70	20.25	56.00	27.30	8.45	PK	L	
6	24.0000	34.74	20.22	60.00	25.26	14.52	PK	L	

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

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Sus	Suspected List								
NO.	Freq. [MHz]	Level [dBµ∀]	Factor [dB]	Limit [dBµ∀]	Margin [dB]	Reading [dBµ∀]	Detector	Туре	
1	0.1860	40.18	20.05	64.21	24.03	20.13	PK	N	
2	0.4065	34.95	20.03	57.72	22.77	14.92	PK	N	
3	0.5730	40.33	20.05	56.00	15.67	20.28	PK	N	
4	1.3740	31.00	20.11	56.00	25.00	10.89	PK	N	
5	1.9140	30.97	20.14	56.00	25.03	10.83	PK	N	
6	24.0000	31.62	20.22	60.00	28.38	11.40	PK	N	

Remark: Margin = Limit - Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

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# 4.3. Maximum Conducted Output Power

# **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)	Y TESTIN				
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02					
Limit:	30dBm	a)G				
Test Setup:	RF automatic control unit EUT	HUAK TESTING				
Test Mode:	Transmitting mode with modulation					
Test Procedure:	<ol> <li>The testing follows the Measurement Proc FCC KDB 558074 D01 15.247 Meas Guid v05r02.</li> <li>The RF output of EUT was connected to the automatic control unit by RF cable and attemption The path loss was compensated to the reeach measurement.</li> <li>Set to the maximum power setting and enamed EUT transmit continuously.</li> <li>Measure the Peak output power and recording the test report.</li> </ol>	dance ne RF tenuator. sults for able the				
Test Result:	PASS					

#### **Test Instruments**

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025	
Power meter	Agilent	E4419B	HKE-085	Feb. 20, 2024	Feb. 19, 2025	
Power Sensor	Agilent	E9300A	HKE-086	Feb. 20, 2024	Feb. 19, 2025	
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025	

**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**

TEST	NG	TX 802.11b Mode	3
Test Channel	Frequency	Maximum Peak Conducted Output Power	LIMIT
rest orialine	(MHz)	(dBm)	dBm
CH01	2412	12.40	30
CH06	2437	12.83	30
CH11	2462	12.43	30
9	0	TX 802.11g Mode	0
CH01	2412	13.00	30
CH06	2437	13.27	30
CH11	2462	12.95	30
-ESTING	HUAKT	TX 802.11n20 Mode	ESTI
CH01	2412	13.10	30
CH06	2437	13.02	30
CH11	2462	13.47	30
		TX 802.11n40 Mode	9
CH03	2422	12.97	30
CH06	2437	12.98	30
CH09	2452	12.91	30

Note: The test results including the cable loss.

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# 4.4. Emission Bandwidth

# **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)					
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02					
Limit:	>500kHz					
Test Setup:	Spectrum Analyzer EUT					
Test Mode:	Transmitting mode with modulation					
Test Procedure:	<ol> <li>The testing follows FCC KDB Publication 558074 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 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.</li> <li>Measure and record the results in the test report.</li> </ol>					
Test Result:	PASS					

### **Test Instruments**

ALL HO.	40,	a HO.	ATTEN FILE	AD HO	AD HO.		
	RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025		
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025		

**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

Toot shannel	6dB Emission Bandwidth (MHz)					
Test channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	9.560	15.640	15.720	35.120		
Middle	9.160	15.160	15.160	35.120		
Highest	9.520	15.440	15.160	35.120		
Limit:	S HUAKTES!	>!	500kHz	- O		
Test Result:	TOK	TESTING WUAKTEST	PASS	TING WAXTESTING		

Test plots as follows:

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#### 802.11b Modulation

#### Lowest channel



#### Middle channel



#### Highest channel



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#### 802.11g Modulation

#### Lowest channel



#### Middle channel



#### Highest channel



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#### 802.11n (HT20) Modulation

#### Lowest channel



#### Middle channel



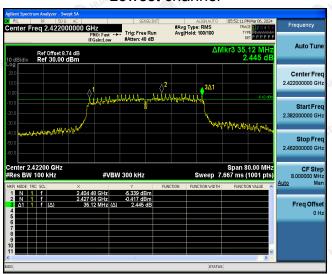
#### Highest channel



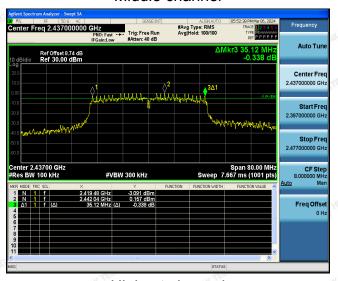
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#### 802.11n (HT40) Modulation

#### Lowest channel



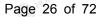
#### Middle channel



#### Highest channel



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4.5. Power Spectral Density

# **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (e)					
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02					
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:	Transmitting mode with modulation					
Test Procedure:	<ol> <li>The testing follows Measurement procedure 10.2 method PKPSD of FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02.</li> <li>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>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>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>Detector = Peak, Sweep time = auto couple.</li> <li>Employ trace averaging (Peak) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level.</li> <li>Measure and record the results in the test report.</li> </ol>					
Test Result:	PASS					

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**Test Instruments** 

	RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025		
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 20, 2024	Feb. 19, 2025		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025		
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	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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Test data

EUT Set Mode	Channel	Result (dBm/30KHz)	Result (dBm/3kHz)				
	Lowest	-0.61	-10.61				
802.11b	Middle	-0.20	-10.2				
	Highest	-0.82	-10.82				
	Lowest	-0.88	-10.88				
802.11g	Middle	-0.88	-10.88				
	Highest	-0.90	-10.9				
	Lowest	-0.66	-10.66				
802.11n(H20)	Middle	-1.40	-11.4				
	Highest	-0.59	-10.59				
	Lowest	-3.48	-13.48				
802.11n(H40)	Middle	-2.82	-12.82				
	Highest	-3.16	-13.16				
PSD Test Result (dBm/3kHz)= PSD Test Result (dBm/30kHz)-10							
Limit: 8dBm/3kHz							
Test Result:	: PASS						

#### Test plots as follows:

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#### 802.11b Modulation

#### Lowest channel



#### Middle channel



#### Highest channel



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#### 802.11g Modulation

#### Lowest channel



Middle channel



Highest channel



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#### 802.11n (HT20) Modulation

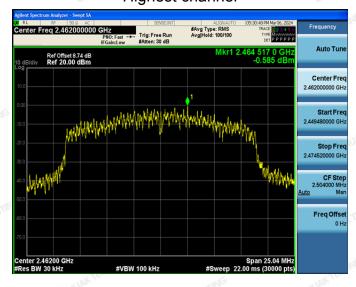
#### Lowest channel



#### Middle channel



#### Highest channel



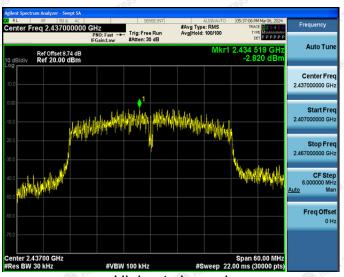
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#### 802.11n (HT40) Modulation

#### Lowest channel



#### Middle channel







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# 4.6. Conducted Band Edge and Spurious Emission Measurement

# **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02				
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).				
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	<ol> <li>Transmitting mode with modulation</li> <li>The testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02.</li> <li>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>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).</li> <li>Measure and record the results in the test report.</li> <li>The RF fundamental frequency should be excluded</li> </ol>				
Test Result:	PASS				

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#### **Test Instruments**

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025	
High pass filter unit	Tonscend	JS0806-F	HKE-055	Feb. 20, 2024	Feb. 19, 2025	
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 20, 2024	Feb. 19, 2025	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025	
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	N/A	N/A	

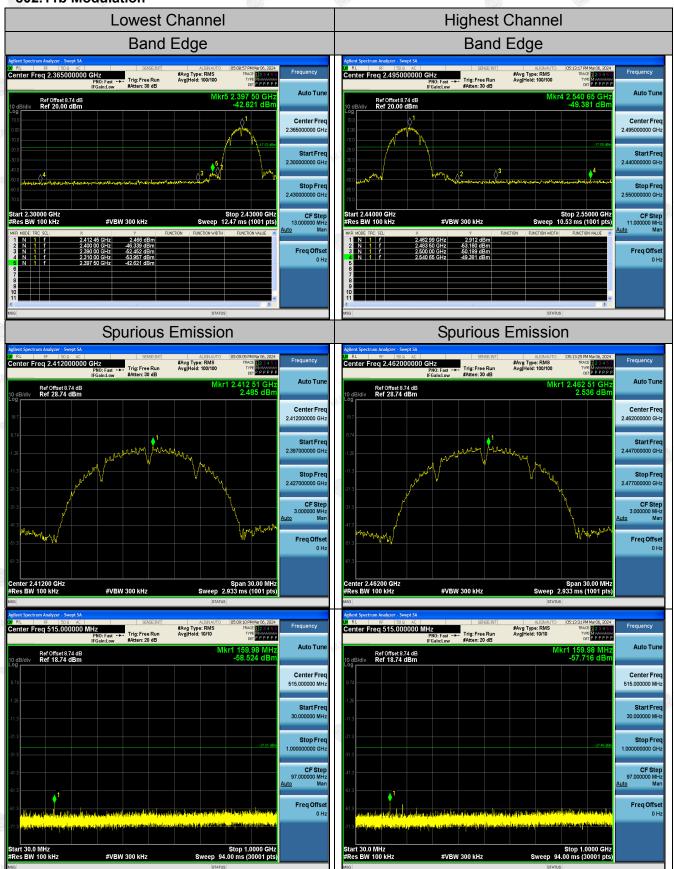
**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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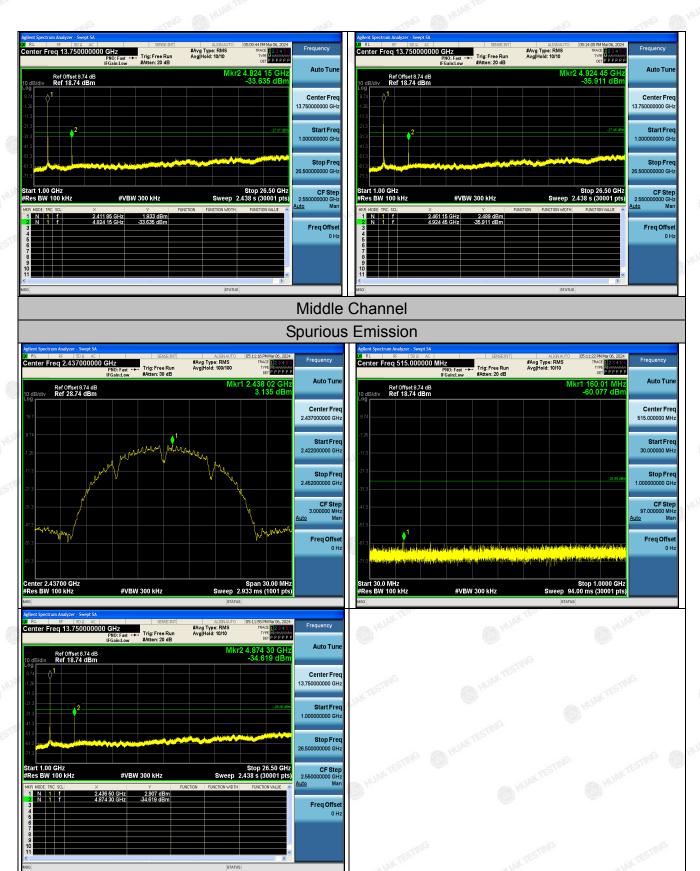


#### **Test Data**

#### 802.11b Modulation



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