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FCC Test Report

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

Model No.: TC155, TC82, TC85, TC17, TC133, TC152, TC153, TC156, TC157, ZAD01, ZAQ15, ZAQ18, ZAQ20, ZAQ25, DP16, DP17, DP18, DP19, DP20, DP21, DP22, DP23, DP24, DP25

FCC ID: 2BEXJ-TC155

Prepared For:

Shenzhen Ningyuanda Technology Co., Ltd 402 Kaiteng Building, Bantian Street, Longgang District, Shenzhen, China

Prepared By:

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 Date of Test:
 Jan. 25, 2024 ~ Apr. 16, 2024

 Date of Report:
 Apr. 16, 2024

 Report Number:
 HK2404151768-E

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Test Result Certification

Applicant's Name::	Shenzhen Ningyuanda Technology Co., Ltd
Address	402 Kaiteng Building, Bantian Street, Longgang District, Shenzhen, China
Manufacturer's Name	Shenzhen Ningyuanda Technology Co., Ltd
Address	402 Kaiteng Building, Bantian Street, Longgang District, Shenzhen, China
Product Description	
Trade Mark	N/A
Product Name:	WIFI CAMERA
Model and/or Type Reference :	TC155, TC82, TC85, TC17, TC133, TC152, TC153, TC156, TC157, ZAD01, ZAQ15, ZAQ18, ZAQ20, ZAQ25, DP16, DP17, DP18, DP19, DP20, DP21, DP22, DP23, DP24, DP25
Standards	FCC Rules and Regulations Part 15 Subpart C Section 15.247

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ANSI C63.10: 2013

Date of Test	
Date (s) of Performance of Tests	Jan. 25, 2024 ~ Apr. 16, 2024
Date of Issue:	Apr. 16, 2024
Test Result	Pass

Testing Engineer

en lic

Len Liao

Technical Manager

Sliver Wan

Authorized Signatory

asin Unou

Jason Zhou

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Т 691

** Modified History **

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Feb. 01, 2024	Jason Zhou
Revision 2.0	Update Radiation, Conduction Emission data and report number. Refer to the original report HK2401250557-E	Apr. 16, 2024	Jason Zhou
	WAX IL		

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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 $y \pm U$, 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
^{nic} 1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3	Spurious emissions, conducted	±0.11dB
4.00	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
TEST 7	Humidity	±1.0%

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2. EUT Description

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2.1. General Description of EUT

MAKTES	MAKTED	LAK TES	WAKTED	WAX TED		
Equipment:	WIFI CAMERA		0	0		
Model Name:	TC155	-NG	LAKTESTING	aNG		
Series Model:	TC82, TC85, TC17, TC133, TC152, TC153, TC156, TC157, ZAD01, ZAQ15, ZAQ18, ZAQ20, ZAQ25, DP16, DP17, DP18, DP19, DP20, DP21, DP22, DP23, DP24, DP25					
Model Difference:	All model's the fun same, only with pr model: TC155.					
FCC ID:	2BEXJ-TC155	allG	and	Black		
Antenna Type:	FPC Antenna	JAK TES IN	HUAKTESI	HUAN TEST.		
Antenna Gain:	3.38dBi		TESTING			
Operation Frequency:	802.11b/g/n 20:24 802.11n 40: 2422~		HUM	HUAKTESTING		
Number of Channels:	802.11b/g/n20: 11 802.11n 40: 7CH	CH	resting			
Modulation Type:	CCK/OFDM/DBPS	SK/DAPSK	HUAKTESTIN	HUAKTESTIN		
Power Source:	AC85-240V, 50/60)Hz				
Power Rating:	AC85-240V, 50/60)Hz	TING	TING		

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	Ch	annel List	For 802.11	o/802.11g/8	02.11n (HT2	0)	
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	

2.2. Carrier Frequency of Channels

Channel List For 802.11n (HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
STINIO	KTEST C	04	2427	07	2442	TESTIN	AKTES
@ H		05	2432	08	2447	HUAN	Co-Hom
03	2422	06	2437	09	2452	I	

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 and Radiation testing:

EUT

AC Main ——

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

	operating				
5	Temperature:	25.0 °C	HUAKTESI	HUAKTES	
	Humidity:	56 % RH	()	0	
3	Atmospheric Pressure:	1010 mbar	AKTESTING	. G	

Test Mode:

	Keep the EUT in continuous transmitting by select channel and modulations
in the	by sciect charmer and modulations

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.

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	6.5Mbps
802.11n(H40)	13.5Mbps

Final Test Mode:

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	0.99	-0.04
802.11g	0.99	-0.04
802.11n(H20)	0.97	-0.13
802.11n(H40)	0.95	-0.22
A HOM	hor.	HOM

Test plots as follows:

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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.

l I	and The	with the		100	with the second s	with
8	ltem	Equipment	Trade Mark	Model/Type No.	Specification	Remark
	STILG	WIFI CAMERA	N/A	💉 TC155	N/A	EUT
NP	C.T.C.	HUAKTESTING	O HUAKTEL	HUANTESTING	Internet and the second	TESTING
10	G		TING		anne 🔘	

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

Test Specification

st Specification	TESTING	resting	TESTING	V TES				
Test Requirement:	FCC Part15 C Secti	on 15.207	ar (HUAN				
Test Method:	ANSI C63.10:2013		TING					
Frequency Range:	150 kHz to 30 MHz	O HUAN IL	Mark	ESTING				
Receiver Setup:	RBW=9 kHz, VBW=	RBW=9 kHz, VBW=30 kHz, Sweep time=auto Frequency range Limit (dBuV)						
	Frequency range (MHz)	C. CONTRACT	SC17.4	TESTI				
Limits:	0.15-0.5	Quasi-peak 66 to 56*	Average 56 to 46*	1 Alk				
Linito.	0.5-5	56	46	_				
	5-30	60	50					
	UNKTESTING	TESTIN ^{LG}	NK TESTING	AKTES				
	Refe	rence Plane						
	40cm	n						
		LISN	1					
Test Setup:	Test table/Insulation p Remarkc E.U.T: Equipment Under Test LISN: Line Impedence Stabiliza Test table height=0.8m	EMI Receiver		570				
Test Mode:	Transmitting with me	odulation						
Test Procedure:	 The E.U.T is conr line impedance st provides a 500hm measuring equipr The peripheral de power through a l coupling impedan refer to the block photographs). Both sides of A.C conducted interfe emission the relation 	abilization netwo n/50uH coupling nent. vices are also co LISN that provide ice with 50ohm to diagram of the te . line are checke	ork (L.I.S.N.). impedance fo onnected to th es a 50ohm/5 ermination. (F est setup and d for maximu o find the max	This ir the le mai OuH Please m kimum				
	the interface cable	es must be chan	ged according	g to				
Test Result:		es must be chan	ged according	g to				

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		Allen HU	100980 Y	All All				
Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due			
Receiver	R&S	ESR-7	HKE-005	Feb. 17, 2023	Feb. 16, 2024			
LISN	R&S	ENV216	HKE-002	Feb. 17, 2023	Feb. 16, 2024			
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Feb. 17, 2023	Feb. 16, 2024			
10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	Feb. 17, 2023	Feb. 16, 2024			
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	N/A	N/A			

Test Instruments

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

STIME	STINE	STRUC	STIME	STIME	STINE			
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).

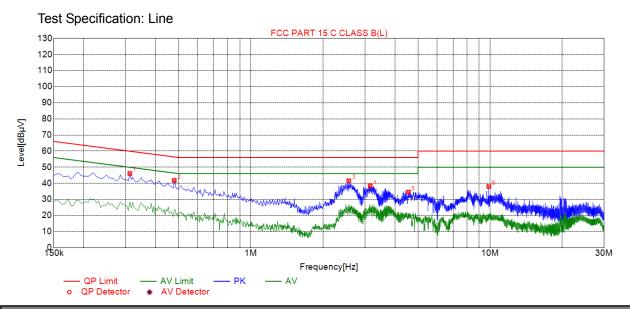
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4.2. Test Result



Suspected List

<	NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре	
	1	0.3120	46.13	20.05	59.92	13.79	26.08	PK	L	
	2	0.4785	41.80	20.04	<mark>56.37</mark>	14.57	21.76	PK	L	
	3	2.5665	41.58	20.20	56.00	14.42	21.38	PK	L	
	4	3.1560	38.40	20.23	56.00	17.60	18.17	PK	L	
	5	4.5600	34.55	20.25	56.00	21.45	14.30	PK	L	
ð	6	9.8925	38.00	20.07	60.00	22.00	17.93	PK	L	

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

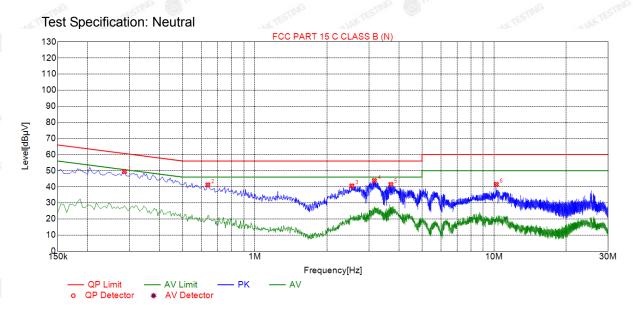
Level=Test receiver reading + correction factor

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Sus	Suspected List							
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре
1	0.2850	49.43	20.04	60.67	11.24	29.39	PK	Ν
2	0.6360	41.19	20.05	56.00	14.81	21.14	PK	Ν
3	2.5440	40.54	20.20	56.00	15.46	20.34	PK	Ν
4	3. <mark>1</mark> 605	43.85	20.23	56.00	12.15	23.62	PK	Ν
5	3.7050	41.41	20.25	56.00	14.59	21.16	PK	Ν
6	10.2255	41.46	20.05	60.00	18.54	21.41	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)
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02
Limit:	30dBm
Test Setup:	RF automatic control unit
Test Mode:	Transmitting mode with modulation
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB 558074 D01 15.247 Meas Guidance v05r02. The RF output of EUT was connected to the RF automatic control unit 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 Peak output power and record the results in the test report.
Test Result:	PASS

Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	[©] N9020A	HKE-048	Feb. 17, 2023	Feb. 16, 2024	
Power meter	Agilent	E4419B	HKE-085	Feb. 17, 2023	Feb. 16, 2024	
Power Sensor	Agilent	E9300A	HKE-086	Feb. 17, 2023	Feb. 16, 2024	
RF cable	Times	1-40G	HKE-034	Feb. 17, 2023	Feb. 16, 2024	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023	Feb. 16, 2024	

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
(MHz)		(dBm)	dBm
CH01	2412	12.72	30
CH06	2437	13.11 JAN 165000	30
CH11	2462	12.80	30
0.	0	TX 802.11g Mode	0
CH01	2412	12.78	30
CH06	2437	13.08	30
CH11	2462	12.64	30
resting	HUAKT	TX 802.11n20 Mode	restil
CH01	2412	12.75	30
CH06	2437	12.85	30
CH11	2462	12.42	30
0	0	TX 802.11n40 Mode	9
CH03	2422	12.59	30
CH06	2437	12.22	30
CH09	2452	11.75	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	ING.			
Test Mode:	Transmitting mode with modulation				
Test Procedure:	 The testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. 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:	PASS				

Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 17, 2023	Feb. 16, 2024	
RF cable	Times	1-40G	HKE-034	Feb. 17, 2023	Feb. 16, 2024	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023	Feb. 16, 2024	

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 channel	6dB Emission Bandwidth (MHz)					
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	9.600	16.360	16.920	32.320		
Middle	9.560	16.360	17.240	34.080		
Highest	9.080	16.360	16.880	35.040		
Limit:	S HUNK TES	>5	00kHz			
Test Result:		TESTING HUAK TESTING	PASS	INO HUNKTESIN C		

Test plots as follows:

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802.11b Modulation

Lowest channel



Middle channel



Highest channel



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802.11g Modulation

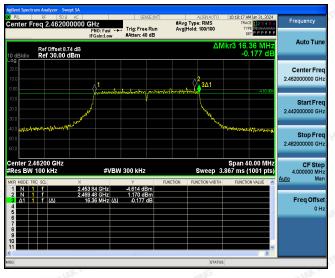
Lowest channel



Middle channel



Highest channel



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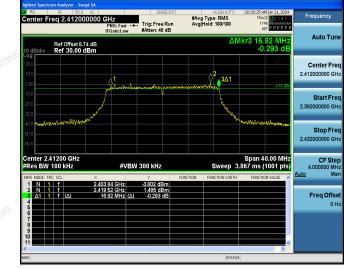
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Report No.: HK2404151768-E

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802.11n (HT20) Modulation

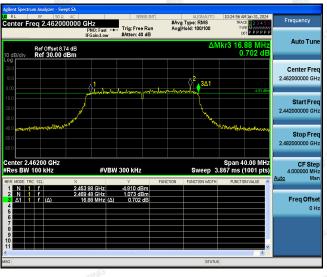
Lowest channel



Middle channel



Highest channel



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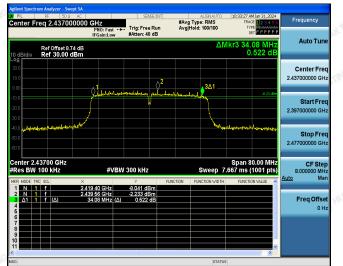
Report No.: HK2404151768-E

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				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	 The testing follows Measurement procedure 10.2 method PKPSD of FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. 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. Set to the maximum power setting and enable the EUT transmit continuously. 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. Detector = Peak, Sweep time = auto couple. Employ trace averaging (Peak) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 				
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. 17, 2023	Feb. 16, 2024
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 17, 2023	Feb. 16, 2024
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023	Feb. 16, 2024
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	-0.24	-10.24
802.11b	Middle	0.15	-9.85
	Highest	0.51	-9.49
	Lowest	-2.27	-12.27
802.11g	Middle	-2.34	-12.34
	Highest	-3.22	-13.22
	Lowest	-2.57	-12.57
802.11n(H20)	Middle 🌑	-3.16	-13.16
	Highest	-3.21	-13.21
	Lowest	-4.14	-14.14
802.11n(H40)	Middle	-5.21	-15.21
	Highest	-5.49	-15.49
PSD Test Resu	lt (dBm/3kHz)= PS	SD Test Result (dBm/30kl	Hz)-10
Limit: 8dBm/3kl	Ηz		
Test Result:	HUAK TES	PASS	TES .

Test plots as follows:

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802.11b Modulation



Middle channel



Highest channel



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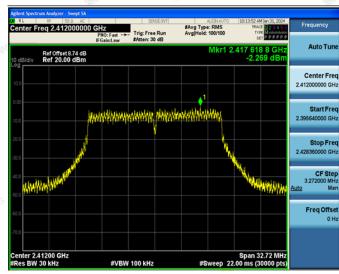
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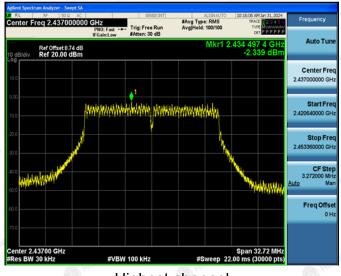
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802.11g Modulation

Lowest channel



Middle channel



Highest channel

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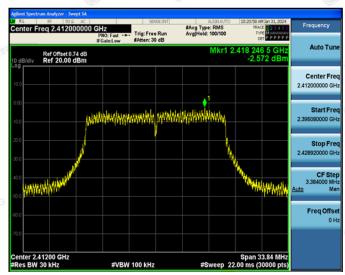


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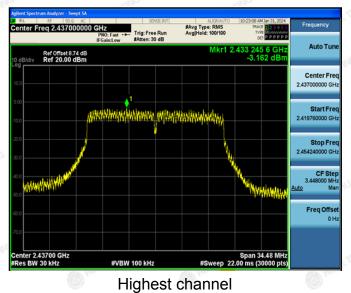
Report No.: HK2404151768-E

802.11n (HT20) Modulation

Lowest channel



Middle channel



 Addend Spectrum, Availyzer - Sweyd M.
 State - State
 Addend Spectrum, Availyzer - Sweyd M.
 Frequency

 Center Freq 2.462000000 GHz (Float - State -

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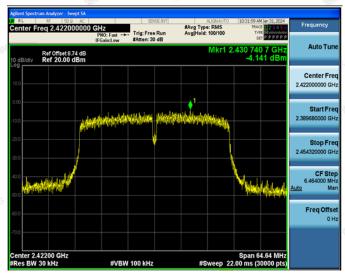


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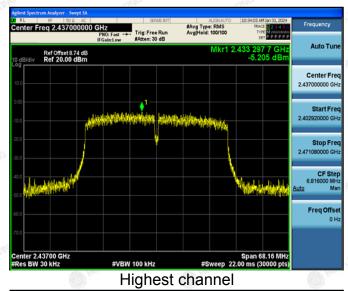
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802.11n (HT40) Modulation

Lowest channel



Middle channel



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HUAK TESTING

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:	 The testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. 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. Set to the maximum power setting and enable the EUT transmit continuously. 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). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 				
Test Result:	PASS				

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RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 17, 2023	Feb. 16, 2024	
High pass filter unit	Tonscend	JS0806-F	HKE-055	Feb. 17, 2023	Feb. 16, 2024	
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 17, 2023	Feb. 16, 2024	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023	Feb. 16, 2024	
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	N/A	N/A	

Test Instruments

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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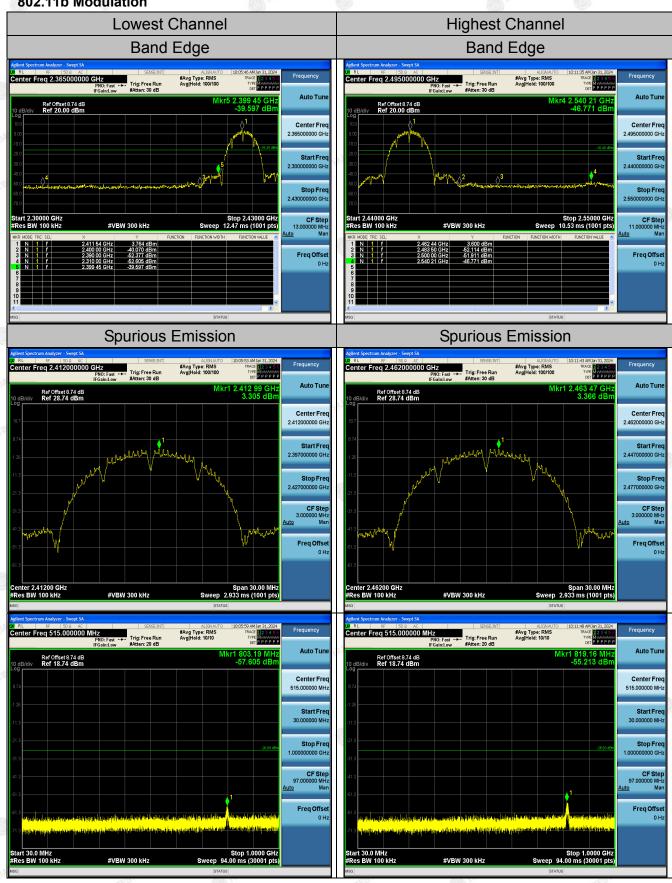
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Test Data



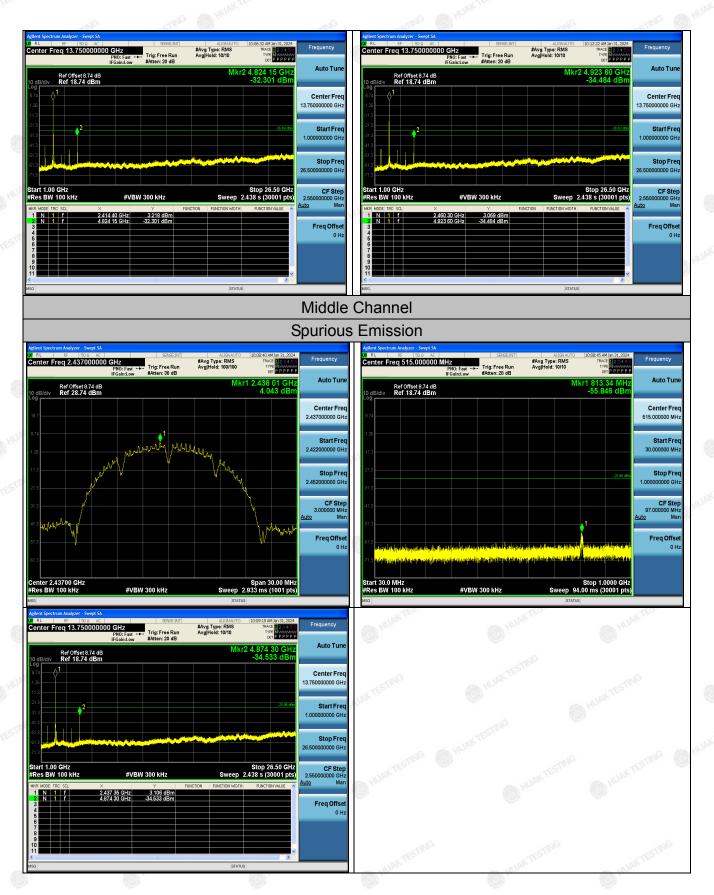


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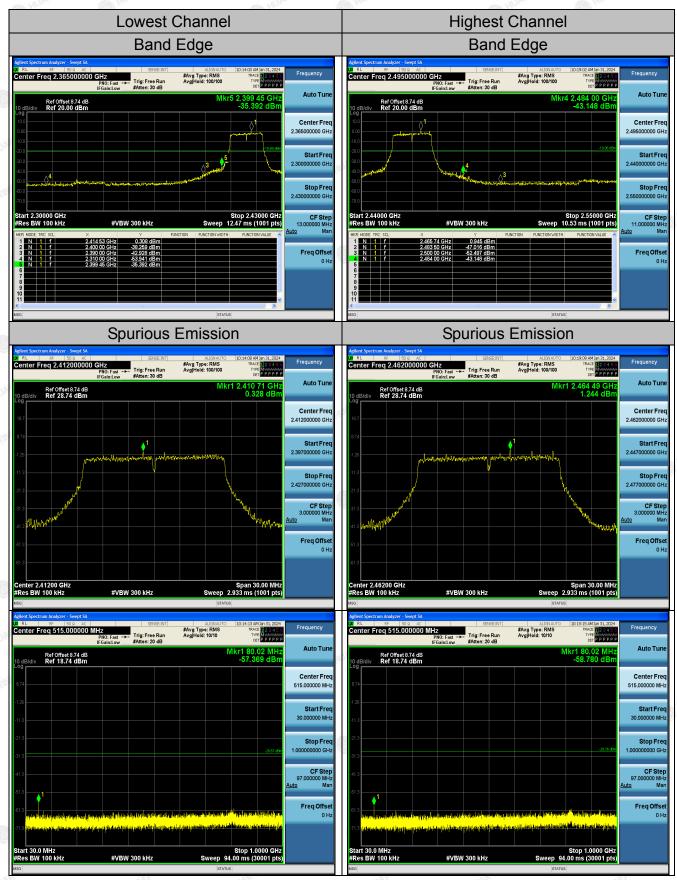
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802.11g Modulation



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