



FCC TEST REPORT

Test report
On Behalf of
International Communications Corporation
For
Wi-Fi 6 1800Mbps Router
Model No.: ResiRouterWF6

FCC ID: 2ABFZ-RESIROUTERWF6

Prepared For: International Communications Corporation

11801 Pierce St., 2nd FL Riverside, California 92505 United States

Prepared By: Shenzhen HUAK Testing Technology Co., Ltd.

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Date of Test: Dec. 02, 2021 ~ Dec. 14, 2021

Date of Report: Dec. 14, 2021

Report Number: HK2112024710-1E

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TEST RESULT CERTIFICATION

Applicant's name International Communications Corporation

Manufacture's Name...... Shenzhen Yunlink Technology Co., Ltd.

B3 Building, Anle Industrial Zone, Hangcheng Road, Gushu,

Xixiang, Bao'an, Shenzhen, China

Product description

Trade Mark: ResiRouter

Product name.....: Wi-Fi 6 1800Mbps Router

Model and/or type reference .: ResiRouterWF6

FCC Rules and Regulations Part 15 Subpart C Section 15.247

Standards ANSI C63.10: 2013

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Date of Test

Date (s) of performance of tests Dec. 02, 2021 ~ Dec. 14, 2021

Date of Issue Dec. 14, 2021

Test Result..... Pass

Testing Engineer :

(Gary Qian)

Technical Manager

(Eden Hu)

Authorized Signatory:

(Jason Zhou)

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** Modified History **

Revision	Description	on	Issued Data	Remark
Revision 1.0	Initial Test Repor	t Release	Dec. 14, 2021	Jason Zhou
WAKTES.	MAKTED	MAKTES	MAK TESS.	MAKTES
	(6)	(89)	(D)	(3)

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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	1§5.247(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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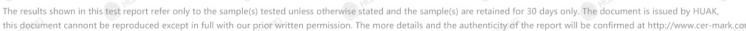
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1.3. MEASUREMENT UNCERTAINTY

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	±0.37dB
2	RF power, conducted	±3.35dB
3	Spurious emissions, conducted	±2.20dB
4,1116	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
TEST 7	Humidity	±1.0%







2. EUT DESCRIPTION

2.1. GENERAL DESCRIPTION OF EUT

Equipment:	Wi-Fi 6 1800Mbps Router
Model Name:	ResiRouterWF6
Serial Model:	N/A MARTESTINE MUNICIPALITY OF THE PROPERTY OF
Model Difference:	N/A
Trade Mark:	ResiRouter
FCC ID:	2ABFZ-RESIROUTERWF6
Antenna Type:	Internal Antenna
Antenna Gain:	Antenna 1:3dBi Antenna 2:3dBi MIMO: 6.01dBi
Operation frequency:	802.11b/g/n20: 2412~2462MHz 802.11n40: 2422~2452MHz TX ac 20: 2412~2462MHz TX ac 40: 2422~2452MHz 802.11ax HT20: 2412~2462MHz 802.11ax HT40: 2422~2452MHz
Number of Channels:	802.11b/g/n20: 11CH 802.11n40: 7CH TX ac 20: 11CH TX ac 40: 7CH 802.11ax HT20: 11CH 802.11ax HT40: 7CH
Modulation Type:	CCK/OFDM/DBPSK/DAPSK
Power Source:	POE IN: 48V, 05A DC IN:12V, 1A
Power Rating:	POE IN: 48V, 05A DC IN:12V, 1A
Hardware Version:	V1.2 WESTING WILESTING WILESTING
Software Version:	V2.0

Note: 1.The EUT incorporates a MIMO function. Physically, it provides two completed tra nsmitters and receivers(2T2R), two transmit signals are completely correlated, then, Dire ction gain=GANT + Array Gain(Array Gain=10 log(2) dB for power spectral density; Array Gain=0 for power measurement).

2. This device supports self-defined ac mode.

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2.2. CARRIER FREQUENCY OF CHANNELS

Channel List for 802.11b/ 802.11g/ 802.11n (HT20)/ TX ac HT20/ 802.11ax HT20								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
01	2412	04	2427	07	2442	10	2457	
02	2417	05	2432	08	2447	11	2462	
03	2422	06	2437	09	2452	STING		

Channel List for 802.11n (HT40) / TX ac HT40/ 802.11ax HT40							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
STING	XTESTING CO	04	2427	07	2442	TESTINI	NTE
@ H		05	2432	08	2447	HUAK	Anna Home
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)

/TX ac HT20/802.11ax HT20

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

The mode is used: Transmitting mode for 802.11n (HT40)/TX ac HT40/ 802.11ax HT40

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

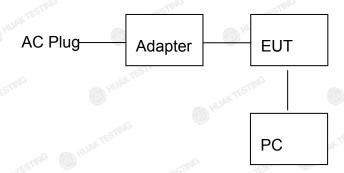
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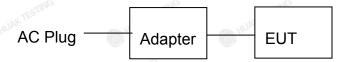


2.4. DESCRIPTION OF TEST SETUP

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



Operation of EUT during Above1GHz Radiation testing:



PC information Model: TP00067A

Input: DC 20V, 2.25~3.25A

Output: 5VDC, 0.5A

Adapter information

Model: GRT-POE15-480050

Input: AC100-240V, 50/60Hz, 0.8A

Output: 48V, 500mA

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



3. GENERA INFORMATION

3.1. TEST ENVIRONMENT AND MODE

Operating Environment:								
25.0 °C	STILL WAKTESTING	MAKTESTING						
56 % RH	(a)	(a)						
1010 mbar	TESTING							
Engineering mode: Keep the EUT in continuous transmitting by select channel and modulations (The value of duty cycle is 98.46%)								
	56 % RH 1010 mbar Keep the EUT in contin	56 % RH 1010 mbar Keep the EUT in continuous transmitting by s						

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

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

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

Mode			Data rate		
802.11b			1Mbps		
LAKTESTING	802.11g	STING	61	Mbps	LAKTESTING
802.11n(H20/ax HT20/ TX ac HT20		0	6.5	Mbps	9 H
802.11n(H40)/ax HT40/ TX ac HT40			13.5Mbps		

Final Test Mode:

Operation mode:	Keep the EUT in continuous transmitting with
Operation mode.	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)/ax HT20/TX ac HT20, 13.5Mbps for 802.11n(H40)/ax HT40/TX ac HT40. Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.



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.

Equipm	ent	Model No.	Serial No.	FCC ID	Trade Name
(_{NC}	-STNG	, I MAKET	ESTING /	HUAK TESTIN	1 STING

Note:

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

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4. TEST RESULTS AND MEASUREMENT DATA

4.1. CONDUCTED EMISSION

4.1.1. Test Specification

TING	TING T	NG T	NG TIN			
Test Requirement:	FCC Part15 C Section	15.207	HUAK TES			
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=30	kHz, Sweep time	=auto			
	Frequency range	Limit (c	dBuV)			
	(MHz)	Quasi-peak	Average			
Limits:	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60	50			
		nG .CT	nic Oli			
	MAKTES	NK TES				
	Referen	ce Plane				
	40cm	80cm LISN				
	AKTESTI"		- AC power			
	E.U.T AC pow		AC power			
Test Setup:						
Tool Goldp.	Receiver Test table/Insulation plane					
	rest table/institation plane					
	Remark					
	E.U.T. Equipment Under Test LISN: Line Impedence Stabilization	Network				
	Test table height=0.8m					
Test Mode:	Charging + transmitting	g with modulation	NG TESTI			
	1. The E.U.T is conne	cted to the main i	oower through a			
	line impedance sta					
	provides a 50ohm/50uH coupling impedance for the					
	measuring equipment.					
	2. The peripheral devices are also connected to the main					
	power through a LISN that provides a 50ohm/50uH					
	coupling impedance with 50ohm termination. (Please					
Test Procedure:	refer to the block diagram of the test setup and					
	photographs).	alagiani oi tilo	toot ootup and			
	3. Both sides of A.C.	line are chocks	d for maximum			
	conducted interferer					
	emission, the relative					
	-16	. AGA	.4(3)			
	the interface cables ANSI C63.10: 2013					
	AINSI C03. 10. 2013	on conducted mea	asurement.			
Test Result:	Pass					
	1 (5)	14 1611				

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4.1.2. Test Instruments

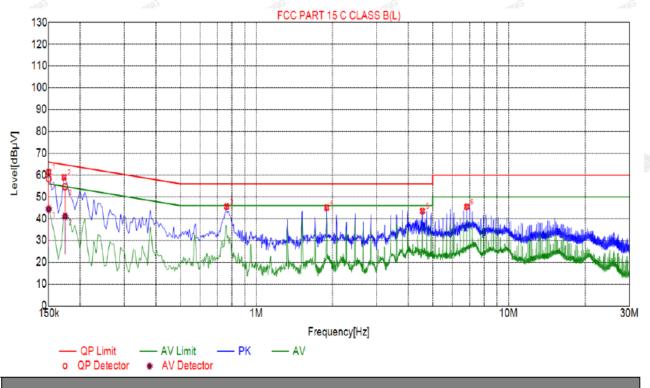
ACIDA YYY		All De Pro-	436.7763	Allia, YV					
	Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due				
Receiver	R&S	ESCI 7	HKE-010	Dec. 09, 2021	Dec. 08, 2022				
LISN	R&S	ENV216	HKE-002	Dec. 09, 2021	Dec. 08, 2022				
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).



4.1.3 Test data

Test Specification: Line



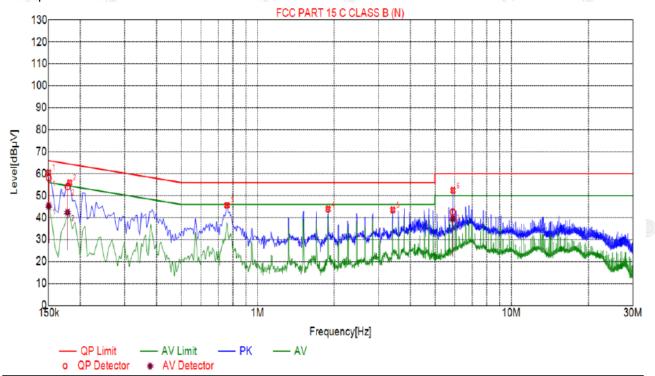
Sus	Suspected List									
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре		
1	0.1500	61.40	20.03	66.00	4.60	41.37	PK	L		
2	0.1725	59.02	20.04	64.84	5.82	38.98	PK	L		
3	0.7620	45.57	20.05	56.00	10.43	25.52	PK	L		
4	1.9005	45.04	20.14	56.00	10.96	24.90	PK	L		
5	4.5555	43.53	20.25	56.00	12.47	23.28	PK	L		
6	6.8370	45.43	20.20	60.00	14.57	25.23	PK	L		

Fina	Final Data List										
NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	QP Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	AV Reading [dBμV]	Туре
1	0.1500	20.03	58.30	66.00	7.70	38.27	44.40	56.00	11.60	24.37	L
2	0.1742	20.04	54.67	64.76	10.09	34.63	41.01	54.76	13.75	20.97	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor





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2116	Deci		
<u> </u>		\smile u \sqsubseteq	

•									
	NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре
	1	0.1500	60.54	20.03	66.00	5.46	40.51	PK	N
200	2	0.1815	55.93	20.06	64.42	8.49	35.87	PK	N
	3	0.7575	45.58	20.06	56.00	10.42	25.52	PK	N
à	4	1.8960	43.85	20.14	56.00	12.15	23.71	PK	N
	5	3.4125	43.53	20.24	56.00	12.47	23.29	PK	N
<	6	5.8965	52.37	20.23	60.00	7.63	32.14	PK	N

_		
LIDO	ıl Data) I IC+
	II Dale	1 1 1 5 1

- 1												
3	NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dΒμV]	QP Margin [dB]	QP Reading [dBμV]	AV Value [dBµV]	ΑV Limit [dBμV]	AV Margin [dB]	AV Reading [dΒμV]	Туре
	1	0.1501	20.03	58.06	66.00	7.94	38.03	45.32	56.00	10.68	25.29	N
0	2	0.1779	20.05	54.10	64.59	10.49	34.05	42.35	54.59	12.24	22.30	N
	3	5.8768	20.24	42.57	60.00	17.43	22.33	39.46	50.00	10.54	19.22	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor



4.2. MAXIMUM CONDUCTED OUTPUT POWER

4.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB 558074
Limit:	30dBm
Test Setup:	Power meter EUT
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 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 Peak output power and record the results in the test report.
Test Result:	PASS

4.2.2. Test Instruments

	RF Test Room								
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due				
Power meter	Agilent	E4419B	HKE-085	Dec. 09, 2021	Dec. 08, 2022				
Power Sensor	Agilent	E9300A	HKE-086	Dec. 09, 2021	Dec. 08, 2022				
RF cable	Times	1-40G	HKE-034	Dec. 09, 2021	Dec. 08, 2022				
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	Dec. 08, 2022				

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

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4.2.3. Test Data

Frequency	Maximum Pea	k Conducted Outpu	ıt Power (dBm)	LIMIT
(MHz)	Antenna port 1	Antenna port 2	MIMO	dBm
HUAK.	HUAK.	TX 802.11b Mode	O HUAR.	HUAN
2412	16.10	16.71	1	30
2437	15.94	14.76	HUMKTE	30
2462	16.51	15.81	1	30
	"IAK TESTING	TX 802.11g Mode	"JAK TESTING	
2412	15.75	14.52	0 1	30
2437	13.75	15.51	/ (M)	30
2462	14.15	15.53	/	30
ESTING	Ţ	X 802.11n20 Mode	G	STING
2412	13.76	15.52	17.74	30
2437	13.21	15.44	17.48	30
2462	14.04	13.31	16.70	30
HUAN	Т	X 802.11n40 Mode		HILAN
2422	14.67	15.18	17.94	30
2437	14.48	14.23	17.37	30 TESTING
2452	14.66	14.14	17.42	30
	•	TX ac HT20 Mode		
2412	13.33	11.74	15.62	30
2437	13.32	11.56	15.54	30
2462	13.22	11.95	15.64	30
TESTING	HUAKTEST	TX ac HT40 Mode	HUAK TES	TESTING
2422	13.99	12.47	16.31	30
2437	14.18	12.16	16.30	30
2452	13.98	12.47	16.30	STING 30 TESTING
	2412 2437 2462 2412 2437 2462 2412 2437 2462 2422 2437 2452 2412 2437 2462 2412 2437 2462	(MHz) Antenna port 1 2412	(MHz) Antenna port 1 Antenna port 2 TX 802.11b Mode 2412 16.10 16.71 2437 15.94 14.76 2462 16.51 15.81 TX 802.11g Mode 2412 15.75 14.52 2437 13.75 15.51 2462 14.15 15.53 TX 802.11n20 Mode 2412 13.76 15.52 2437 13.21 15.44 2462 14.04 13.31 TX 802.11n40 Mode 2422 14.67 15.18 2437 14.48 14.23 2452 14.66 14.14 TX ac HT20 Mode 2412 13.33 11.74 2437 13.32 11.56 2462 13.22 11.95 TX ac HT40 Mode 2422 13.99 12.47 2437 14.18 12.16	TX 802.11b Mode TX 802.11b Mode 2412 16.10 16.71 / 2437 15.94 14.76 / TX 802.11g Mode TX 802.11g Mode 2412 15.75 14.52 / TX 802.11g Mode 2462 14.15 15.51 / TX 802.11n20 Mode 2412 13.76 15.52 17.74 2437 13.21 15.44 17.48 2462 14.04 13.31 16.70 TX 802.11n40 Mode 2422 14.67 15.18 17.94 2437 14.48 14.23 17.37 2452 14.66 14.14 17.42 TX ac HT20 Mode 2412 13.32 11.56 15.54 2462 13.22 11.95 15.64 TX ac HT40 Mode 2422

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TING	-STING		ING STING		TING STING
		802	.11ax HT20 Mod	e HUAN	
CH01	2412	14.07	14.85	17.49	30
CH06	2437	14.12	15.72	18.00	30
CH11	2462	14.44	15.79	18.18	30 MARTES IN
1		802	.11ax HT40 Mode	e	
CH03	2422	14.63	15.25	17.96	30
CH06	2437	14.45	16.09	18.36	30
CH09	2452	14.74	16.08	18.47	30

Note: This product supports antenna 1 and antenna 2 launch, but only support 802.11 n/TX ac/802.11ax for MIMO mode, not support 802.11 b and 802.11 g for MIMO mode.

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4.3. EMISSION BANDWIDTH

4.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 1	5.247 (a)(2)	X TESTA
Test Method:	KDB 558074	(a) HUM	MON.
Limit:	>500kHz	AK TESTIVE	VG
Test Setup:	Spectrum Analyzer	EUT	HAKTESING
Test Mode:	Transmitting mode with r	modulation	
Test Procedure:	1. The testing follows FC D01 15.247 Meas Gu 2. Set to the maximum p EUT transmit continu 3. Make the measureme resolution bandwidth Video bandwidth (VB an accurate measure be greater than 500 k 4. Measure and record the	uidance v05r02. ower setting and elously. nt with the spectrur (RBW) = 100 kHz. W) = 300 kHz. In our ment. The 6dB bark	nable the m analyzer's Set the rder to make ndwidth must
Test Result:	PASS	O HUAN	● HUA

4.3.2. Test Instruments

at I All	102	1 121	4100	4 100	4 100			
RF Test Room								
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due			
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	Dec. 08, 2022			
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Dec. 09, 2021	Dec. 08, 2022			
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	Dec. 08, 2022			

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



4.3.3. Test data

For antenna port 1

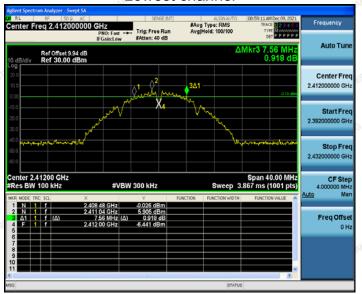
-cTIIV		Ulla	-CTIII		CTIL	-cTIIV		-cTITO
Test channel 80	6dB Emission Bandwidth (MHz)							
	802.11b	802.11g	802.11n (H20)	802.11n (H40)	TX ac (H20)	TX ac (H40)	802.11ax (H20)	802.11ax (H40)
Lowest	7.56	16.28	17.28	36.40	17.52	35.68	17.00	37.84
Middle	7.52	15.92	15.04	35.68	17.12	35.84	19.04	37.60
Highest	8.08	16.04	16.88	34.64	16.72	35.68	18.36	37.76
Limit:	>500KHz							
Test Result:	ÆS	Ing	TESTING	PA	SS	TESTIN	3	TESTING
1000	177		1000	. 15.75		- 5/32		

Test plots as follows:

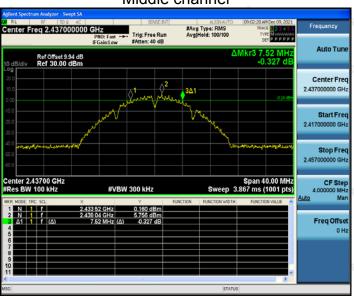


802.11b Modulation

Lowest channel



Middle channel



Highest channel





802.11g Modulation

Lowest channel



Middle channel



Highest channel





802.11n (HT20) Modulation

Lowest channel



Middle channel

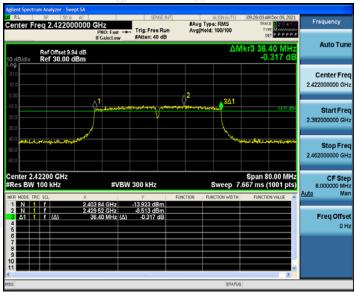


Highest channel

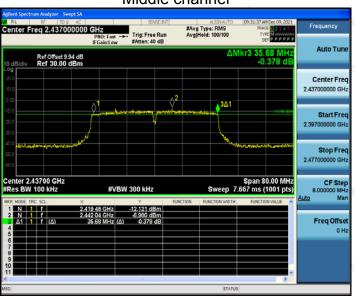


802.11n (HT40) Modulation

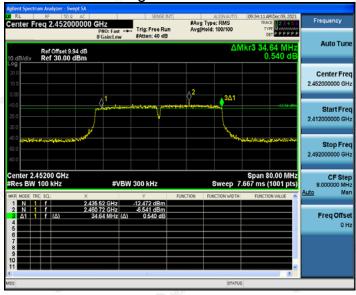
Lowest channel



Middle channel



Highest channel



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TX ac (HT20) Modulation

Lowest channel



Middle channel



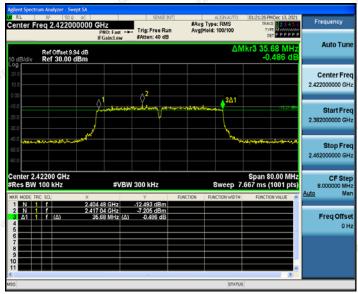
Highest channel



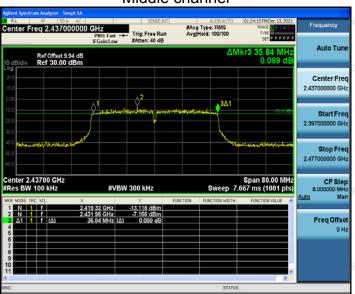


TX ac (HT40) Modulation

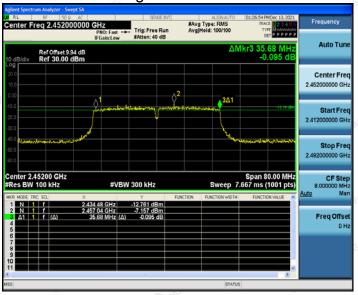
Lowest channel



Middle channel



Highest channel

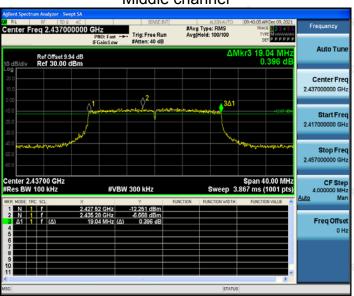


802.11ax (HT20) Modulation

Lowest channel



Middle channel

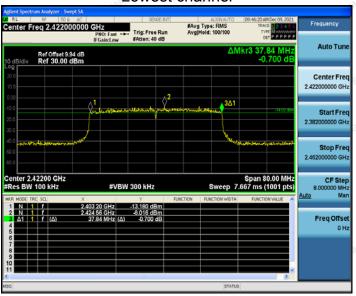


Highest channel

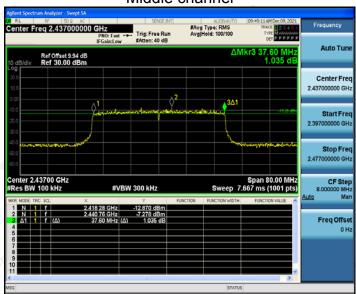


802.11ax (HT40) Modulation

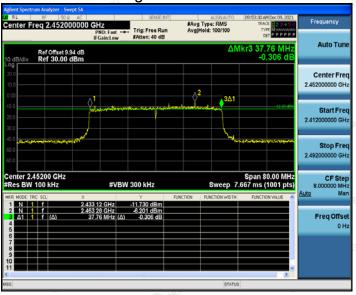
Lowest channel



Middle channel



Highest channel





For antenna port 2

Report No.: HK2112024710-1E

	6dB Emission Bandwidth (MHz)								
Test channel 80	802.11b	802.11g	802.11n (H20)	802.11n (H40)	TX ac (HT20)	TX ac (HT40)	802.11ax (HT20)	802.11ax (HT40)	
Lowest	7.08	15.64	17.56	36.32	16.72	35.04	18.52	37.20	
Middle	7.56	15.64	16.88	36.32	17.60	35.60	17.40	37.52	
Highest	7.56	15.56	16.28	35.84	17.16	36.40	18.64	37.36	
Limit:	>500KHz								
Test Result:	. KTESTIN	G O HO	TESTIN	PASS PASS			TESTING WESTING OF HE		

Test plots as follows:

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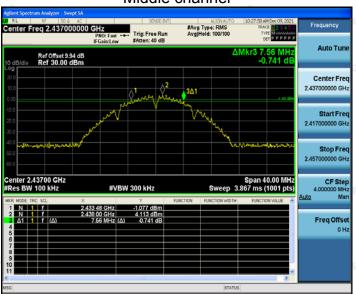
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802.11b Modulation

Lowest channel



Middle channel



Highest channel



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802.11g Modulation

Lowest channel



Middle channel



Highest channel



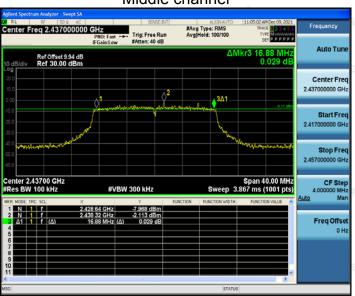


802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel

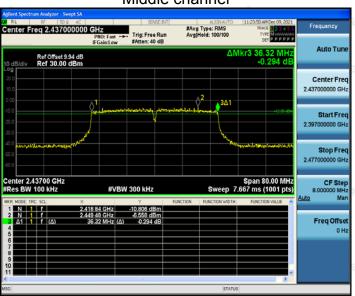


802.11n (HT40) Modulation

Lowest channel



Middle channel



Highest channel



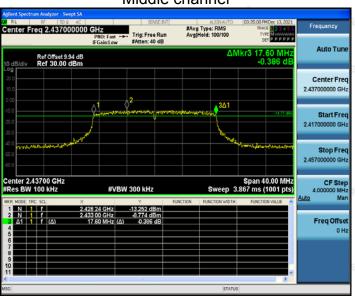


TX ac(HT20) Modulation

Lowest channel



Middle channel



Highest channel



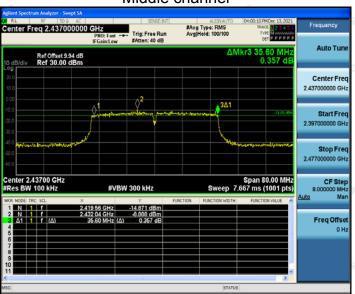


TX ac (HT40) Modulation

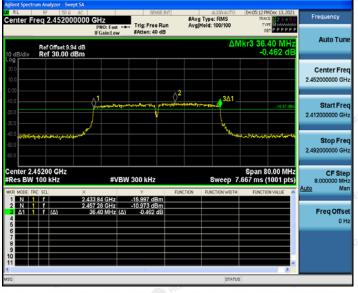
Lowest channel



Middle channel



Highest channel





802.11ax (HT20) Modulation

Lowest channel



Middle channel



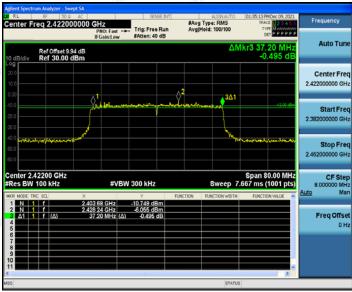
Highest channel



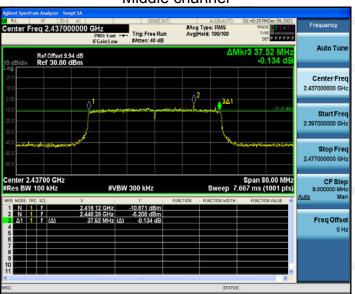


802.11ax (HT40) Modulation

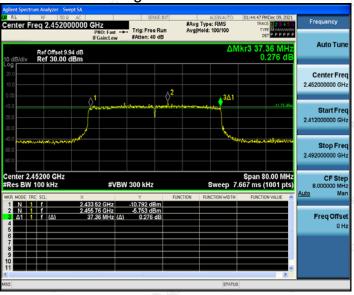
Lowest channel



Middle channel



Highest channel



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