



FCC TEST REPORT

Test report
On Behalf of
Bowei Technology Co., Ltd
For
XGSPON
Model No.: WAG-8F2W6-XS

FCC ID: 2AVWB-WAG-8F2W6-XS

Prepared for: Bowei Technology Co., Ltd

2F, Building No. 6C, 1658, Gumei Rd., Xuhui District, Shanghai, China

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

1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping,

Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Date of Test: Aug. 26, 2021 ~ Sept. 02, 2021

Date of Report: Aug. 02, 2021

Report Number: HK2108303184-1E



TEST RESULT CERTIFICATION

Applicant's name Bowei Technology Co., Ltd

2F, Building No. 6C, 1658, Gumei Rd., Xuhui District, Shanghai,

Manufacture's Name...... TDG Technology Co., Ltd

Product description

AZ©RES B€W Trade Mark:

Product name..... XGSPON

Model and/or type reference .: WAG-8F2W6-XS

FCC Rules and Regulations Part 15 Subpart C Section 15.247 Standards

ANSI C63.10: 2013

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Date of Test

Aug. 26, 2021 ~ Sept. 02, 2021 Date (s) of performance of tests:

Aug. 02, 2021 Date of Issue....:

Test Result.....

Testing Engineer

(Gary Qian)

Technical Manager

(Eden Hu)

Authorized Signatory:

(Jason Zhou)

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Report No.: HK2108303184-1E



TABLE OF CONTENTS

1.	Tes	st Result Summary		5
		TEST PROCEDURES AND RESULTS		
	1.2.	TEST FACILITY	HINK IL	5
	1.3.	MEASUREMENT UNCERTAINTY		6
2.	EU	T Description	AM TESTIV	7
	2.1.	GENERAL DESCRIPTION OF EUT	HIMAN	7
	2.2.	CARRIER FREQUENCY OF CHANNELS	ectivis	8
	2.3.	OPERATION OF EUT DURING TESTING		8
		DESCRIPTION OF TEST SETUP		
3.	Ge	nera Information	(i) (ii)	10
	3.1.	TEST ENVIRONMENT AND MODE		10
	3.2.	DESCRIPTION OF SUPPORT UNITS	STING	11
4.	Tes	st Results and Measurement Data	Who was	12
	4.1.	CONDUCTED EMISSION	antible .	12
	4.2.	MAXIMUM CONDUCTED OUTPUT POWER	HIAKTL	18
	4.3.	EMISSION BANDWIDTH POWER SPECTRAL DENSITY	MIAN.	21
	4.4.	Power Spectral Density	ESTING	40
		CONDUCTED BAND EDGE AND SPURIOUS EMISSION MEASUREMENT		
	4.6.	RADIATED Spurious Emission Measurement	Mak IES	95
	4.7.	ANTENNA REQUIREMENT		143
	4.8.	PHOTOGRAPH OF TEST		144
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Modified History **

Revision	Description	n	Issued Data	Remark
Revision 1.0	Initial Test Report Release		Sept. 02, 2021	Jason Zhou
WAKTES.	WAKTES.	MAKTES	MAKTES	MAKTES
		(I)		

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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. TEST FACILITY

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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Report No.: HK2108303184-1E



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.	Item	MU
r'Î	Conducted Emission	±0.37dB
2	RF power, conducted	±3.35dB
3	Spurious emissions, conducted	±2.20dB
4	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
Z-TING	Humidity The Humid	±1.0%





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2. EUT Description

2.1. GENERAL DESCRIPTION OF EUT

Equipment	XGSPON	K TESTINES HUAN TESTIV
Model Name	WAG-8F2W6-XS	W.G
Serial Model	N/A HUM TESTING MUMES	HANTESTING
Model Difference	N/A TESTING	9
Trade Mark	AZ®RES B€W	W.TESTING
FCC ID	2AVWB-WAG-8F2W6-XS	Man Man
Antenna Type	External Antenna	m/G m/
Antenna Gain	Antenna 1:5dBi Antenna 2:5dBi MIMO: 8.010dBi	WIES HUAKTES
Operation frequency	802.11b/g/n/ac 20:2412~2462MHz 802.11n/ac 40: 2422~2452MHz 802.11ax HT20: 2412~2462MHz 802.11ax HT40: 2422~2452MHz	NAN TESTING
Number of Channels	802.11b/g/n/ac20: 11CH 802.11n/ac 40: 7CH 802.11ax HT20: 11CH 802.11ax HT40: 7CH	HAKTESTING HUAKTESTING
Modulation Type	CCK/OFDM/DBPSK/DAPSK	
Power Source	DC 12V from Adapter	K TESTING WAR TESTING
Power Rating	DC 12V from Adapter	W.C
Hardware Version	V1.1 HANTESTING MAINTEE	"IAN TESTING
Software Version	V1.1.073	

Note: The EUT incorporates a MIMO function. Physically, it provides two completed tran smitters 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; Arra y Gain=0 for power measurement)

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2.2. Carrier Frequency of Channels

Channel List for 802.11b/802.11g/802.11n (HT20)/ 802.11ac 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	TSTING	

Report No.: HK2108303184-1E

(1) HOW	Channel Li	st For 802	2.11n (HT40) / 802.11a	c HT40/ 802.	11ax HT40	D HOP
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)/802.11ac

HT20/802.11ax HT20

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

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

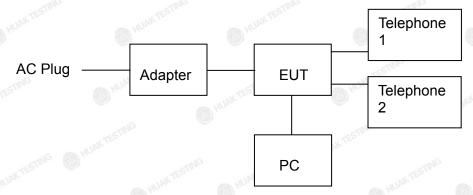
Low Channel: 2422MHz Middle Channel: 2437MHz High Channel: 2452MHz

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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

Adapter 1:

Model: MSS-V2000WR120-024E0-US Input: 100-240V~50-60Hz 0.7A max

Output: DC12V 2.0A

Adapter 2:

Model: RD1202000-C55-154MG Input: 100-240V~50-60Hz 1.0A MAX

Output: DC12V 2.0A

Telephone information Model: HCD2968(95)TSD

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TSTING TSTING

Report No.: HK2108303184-1E

3. Genera Information

3.1. Test environment and mode

25.0 °C	STILL MAKTESTING	MAKTESTIN		
56 % RH	(i)	(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.

Data rate		
1Mbps		
6Mbps		
6.5Mbps		
13.5Mbps		

Final Test Mode:

Operation mode:	Keep the EUT in continuous transmitting with
LAYTESTIV	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)/ac HT20/ax HT20, 13.5Mbps for 802.11(H40)/ac HT40/ax 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. Equipment Model No. Serial No. FCC ID Trade Name

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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Report No.: HK2108303184-1E



Test Results and Measurement Data

Conducted Emission

4.1.1. Test Specification

-TING	TING	NG T	m ^o			
Test Requirement:	FCC Part15 C Section	FCC Part15 C Section 15.207				
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			
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	(MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46				
	Reference	e Plane	-1G STR			
Test Setup:	Test table/Insulation plane Remark: E.U.T. Equipment Under Test	E.U.T AC power EMI Receiver				
Test Mode:	Charging + transmitting	Charging + transmitting with modulation				
Test Procedure:	line impedance stal provides a 50ohm/5 measuring equipmer 2. The peripheral device power through a LI coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interferer emission, the relative the interface cables	 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. 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	O Home	() Home			
af a	160	100				

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4.1.2. Test Instruments

200, 410	Conducted Emission Shielding Room Test Site (843)									
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration 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					
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	N/A	K-TESTING N/A					

Report No.: HK2108303184-1E

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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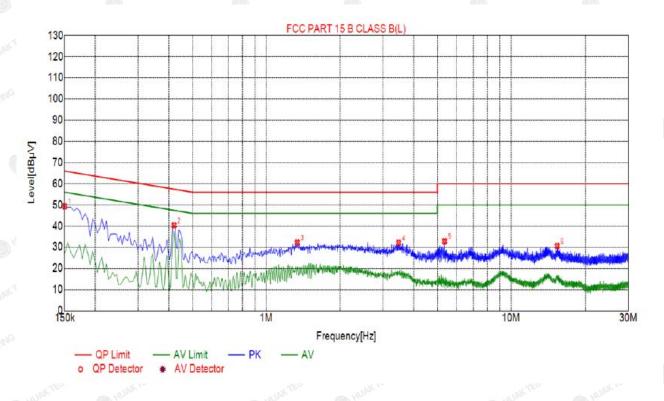
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1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China



4.1.3 Test data

Adapter 1:

Test Specification: Line

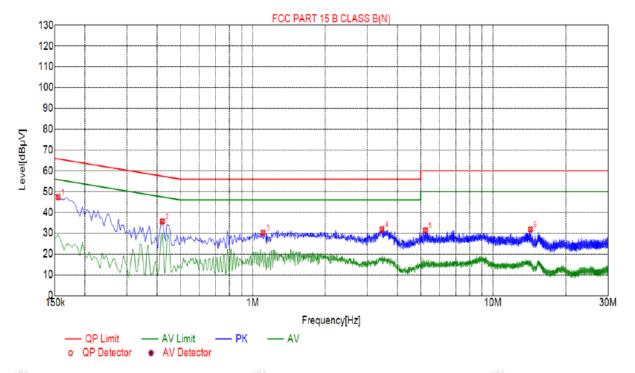


Sus	Suspected List										
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре			
1	0.1500	49.34	20.03	66.00	16.66	29.31	PK	L			
2	0.4200	40.37	20.04	57.45	17.08	20.33	PK	L			
3	1.3380	32.22	20.10	56.00	23.78	12.12	PK	L			
4	3.4710	32.09	20.25	56.00	23.91	11.84	PK	L			
5	5.3475	32.80	20.26	60.00	27.20	12.54	PK	L			
6	15.3285	30.57	19.96	60.00	29.43	10.61	PK	L			

Remark: Margin = Limit – Level

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





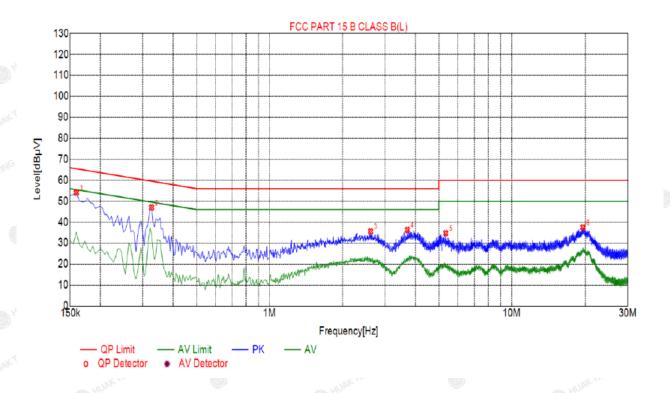
Sus	Suspected List										
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре			
1	0.1545	47.39	20.03	65.75	18.36	27.36	PK	N			
2	0.4200	35.69	20.04	57.45	21.76	15.65	PK	N			
3	1.1040	30.25	20.07	56.00	25.75	10.18	PK	N			
4	3.4485	31.87	20.25	56.00	24.13	11.62	PK	N			
5	5.2395	31.37	20.26	60.00	28.63	11.11	PK	N			
6	14.2305	31.87	19.95	60.00	28.13	11.92	PK	N			

Remark: Margin = Limit – Level

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

Adapter 2:

Test Specification: Line

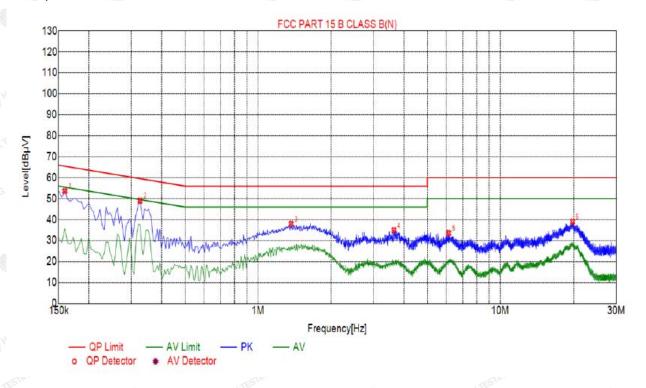


Sus	Suspected List										
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBμV]	Detector	Туре			
1	0.1590	54.09	20.01	65.52	11.43	34.08	PK	L			
2	0.3255	47.00	20.05	59.57	12.57	26.95	PK	L			
3	2.6115	35.55	20.21	56.00	20.45	15.34	PK	L			
4	3.7050	36.29	20.25	56.00	19.71	16.04	PK	L			
5	5.3385	34.72	20.26	60.00	25.28	14.46	PK	L			
6	19.5630	37.51	20.09	60.00	22.49	17.42	PK	L			

Remark: Margin = Limit – Level

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

Test Specification: Neutral



Su	Suspected List										
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре			
1	0.1590	53.63	20.01	65.52	11.89	33.62	PK	N			
2	0.3255	49.04	20.05	59.57	10.53	28.99	PK	N			
3	1.3695	37.95	20.11	56.00	18.05	17.84	PK	N			
4	3.6420	34.89	20.25	56.00	21.11	14.64	PK	N			
5	6.1350	33.56	20.23	60.00	26.44	13.33	PK	N			
6	19.7745	39.00	20.09	60.00	21.00	18.91	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 C Section 1	5.247 (b)(3)	V TESTIN			
Test Method:	KDB 558074	Mary Mary				
Limit:	30dBm	W TESTING	G			
Test Setup:	Power meter	EUT	ESTING			
Test Mode:	Transmitting mode with modulation					
Test Procedure:	FCC KDB 558074 DC v05r02. 2. The RF output of EUT meter by RF cable ar compensated to the r 3. Set to the maximum p EUT transmit continu	e Measurement Procedure of 115.247 Meas Guidance was connected to the power at attenuator. The path loss esults for each measurement ower setting and enable the ously. put power and record the research	er was nt.			
Test Result:	PASS THE PAS	WAY TESTING HUAY	ESTIN			

4.2.2. Test Instruments

RF Test Room									
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due				
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).

AFICATION.



4.2.3. Test Data

AK I WAN		, ak	AKIN - MAR		
Test	Frequency	Maximum Pea	t Power (dBm)	LIMIT	
Channel	(MHz)	Antenna port 1	Antenna port 2	MIMO	dBm
TESTING.	TESTING	TESTI	TX 802.11b Mode		ESTING TESTIN
CH01	2412	17.29	17.65	1 Marian	30
CH06	2437	17.40	17.80	I	30
CH11	2462	17.40	17.73	HUAK	30
0	HOR		TX 802.11g Mode		(i) HOW
CH01	2412	17.53	17.44	WAXTESTIN	30
CH06	2437	17.41	17.51		30 N. TESTING
CH11	2462	17.49	17.57	1 0 H	30
1		T	X 802.11n20 Mode		
CH01	2412	16.65	17.32	20.01	5/M ^G 30
CH06	2437	17.36	17.37	20.38	30
CH11	2462	17.20	17.36	20.29	30
1	W TESTING	HUAKTE T.	X 802.11n40 Mode	HUAKTE	V. TESTING
CH03	2422	17.04	17.14	20.10	30
CH06	2437	17.12	17.27	20.21	30
CH09	2452	16.98	17.10	20.05	7557MG 30 1557MG
)re		80	2.11ac HT20 Mode	. OH	0
CH01	2412	17.45	17.64	20.56	30
CH06	2437	17.52	17.59	20.57	5 mc 30 TESTIN
CH11	2462	17.20	17.76	20.50	30
NG.		- The 80	2.11ac HT40 Mode	TITLE	G.
CH03	2422	17.44	17.54	20.50	30
CH06	2437	17.48	17.70	20.60	30
CH09	2452	17.42	17.72	20.58	30



HUAKTES	HUAKTE	80	2.11ax HT20 Mode	HUAK	TES. HURK'TE
CH01	2412	17.74	17.89	20.83	30
CH06	2437	18.24	17.81	21.04	30
CH11	2462	17.51	17.82	20.68	30 HANK TEST
		80	2.11ax HT40 Mode		0
CH03	2422	17.82	17.71	20.78	30
CH06	2437	17.60	17.89	20.76	30
CH09	2452	17.71	17.93	20.83	30

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



4.3. Emission Bandwidth

4.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 1	FCC Part15 C Section 15.247 (a)(2)						
Test Method:	KDB 558074	Why House						
Limit:	>500kHz	NY TESTING						
Test Setup:	Spectrum Analyzer	EUT NG TSTING						
Test Mode:	OK TEN	Transmitting mode with modulation						
Test Procedure:	D01 15.247 Meas Gu 2. Set to the maximum p EUT transmit continu 3. Make the measurement resolution bandwidth Video bandwidth (VB) an accurate measure be greater than 500 km	ower setting and enable the ously. nt with the spectrum analyzer's (RBW) = 100 kHz. Set the W) = 300 kHz. In order to make ment. The 6dB bandwidth must						
Test Result:	PASS	MAN TESTING						

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 (9KHz-26.5GHz)	Tonscend	170660	N/A	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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4.3.3. Test data

For antenna port 1

Report No.: HK2108303184-1E

	6dB Emission Bandwidth (MHz)									
Test channel	802.11b	802.11g	802.11n (H20)	802.11n (H40)	802.11ac (H20)	802.11ac (H40)	802.11ax (H20)	802.11ax (H40)		
Lowest	7.080	16.160	17.640	35.680	17.640	36.240	17.640	36.240		
Middle	6.640	16.400	17.640	35.920	17.600	36.480	18.800	36.240		
Highest	6.640	16.160	17.040	36.160	17.440	36.480	17.640	37.520		
Limit:	HUAKTESTIN	c 0	MAKTESTIN	>500	KHz	- MAKTES	TING HUAK	ESTING O		
Test Result:				PA	SS		9			

Test plots as follows:

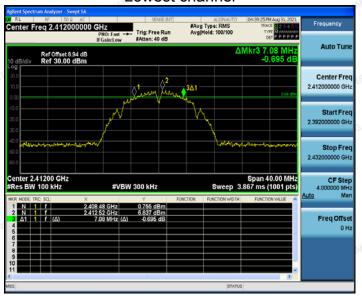
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HUAK Testing Lab TEL: +86-755 2302 9901 FAX: +86-755 2302 9901 E-mail: service@cer-mark.com
1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

802.11b Modulation

Lowest channel

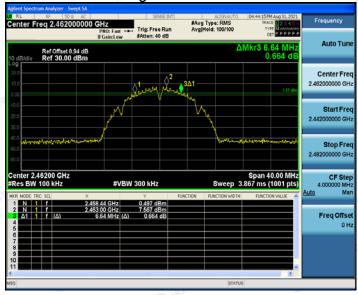
Report No.: HK2108303184-1E



Middle channel



Highest channel



802.11g Modulation

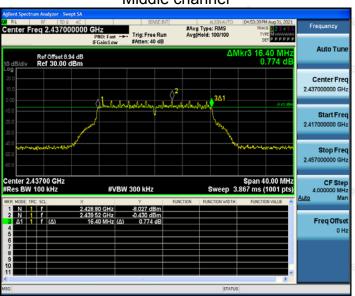
Lowest channel

Report No.: HK2108303184-1E

TEICATION



Middle channel



Highest channel



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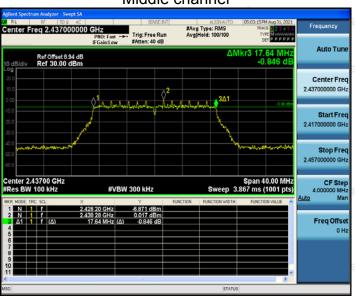
Report No.: HK2108303184-1E Page 25 of 147

802.11n (HT20) Modulation

Lowest channel



Middle channel

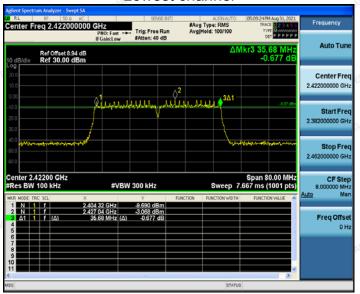


Highest channel

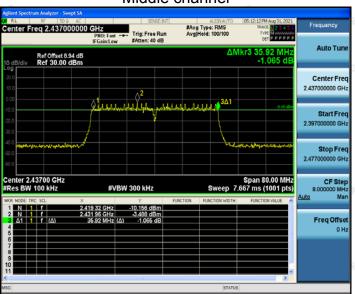


802.11n (HT40) Modulation

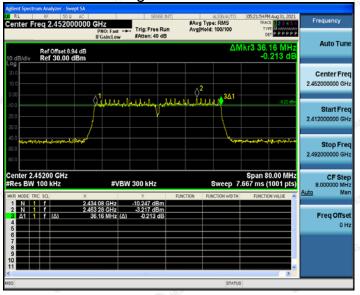
Lowest channel



Middle channel



Highest channel



802.11ac (HT20) Modulation

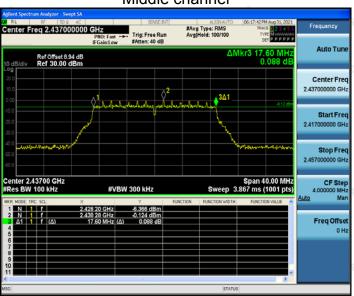
ESTINE

Lowest channel

Report No.: HK2108303184-1E



Middle channel



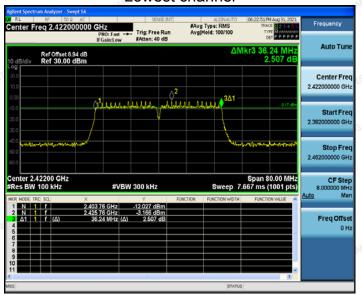
Highest channel



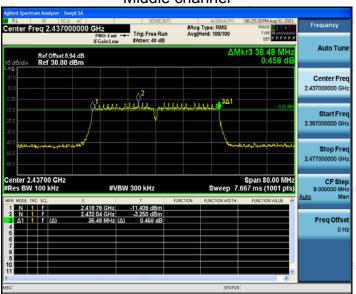
802.11ac (HT40) Modulation

Lowest channel

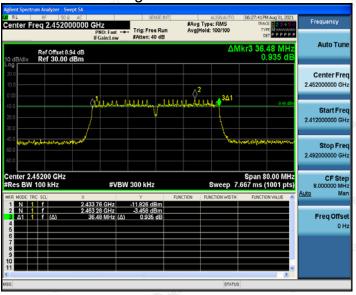
Report No.: HK2108303184-1E



Middle channel



Highest channel

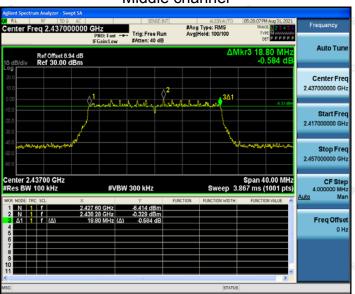


802.11ax (HT20) Modulation

Lowest channel



Middle channel



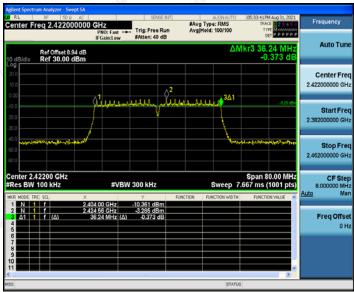
Highest channel



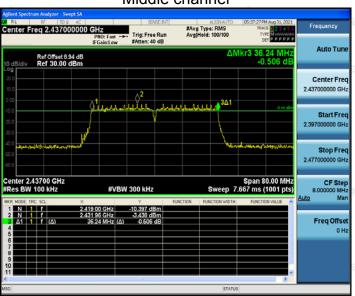
802.11ax (HT40) Modulation

Lowest channel

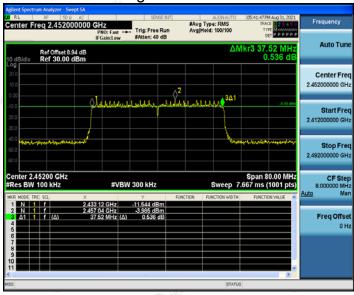
Report No.: HK2108303184-1E



Middle channel



Highest channel



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For antenna port 2

Test channel	6dB Emission Bandwidth (MHz)							
	802.11b	802.11g	802.11n (H20)	802.11n (H40)	802.11ac (HT20)	802.11ac (HT40)	802.11ax (HT20)	802.11ax (HT40)
Lowest	7.080	16.400	17.640	35.840	17.480	36.240	18.920	37.120
Middle	6.600	16.160	17.600	36.160	17.600	36.480	18.840	37.600
Highest	6.160	16.120	17.040	36.160	17.640	36.480	18.800	37.520
Limit:	>500KHz							
Test Result:	PASS PASS PASS PASS PASS PASS PASS PASS							TESTING ME

Test plots as follows:

802.11b Modulation

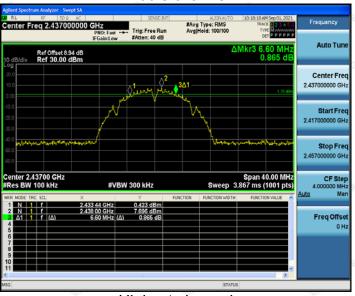
Lowest channel

Report No.: HK2108303184-1E

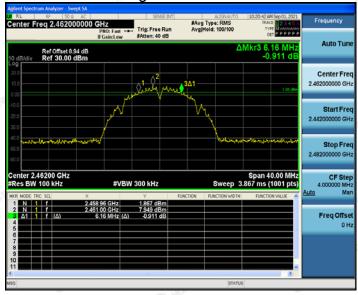
HI



Middle channel



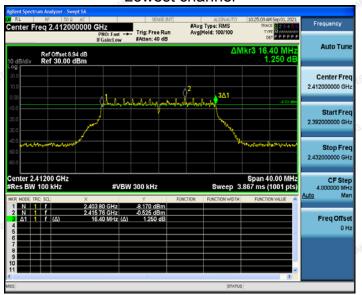
Highest channel



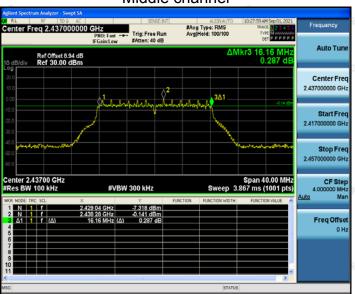
802.11g Modulation

Lowest channel

Report No.: HK2108303184-1E



Middle channel



Highest channel

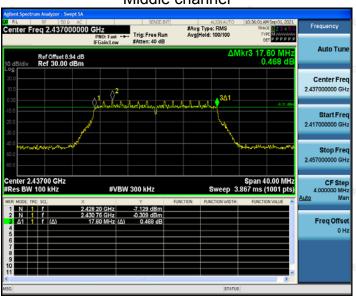


802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel

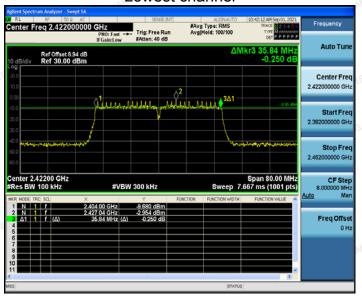


802.11n (HT40) Modulation

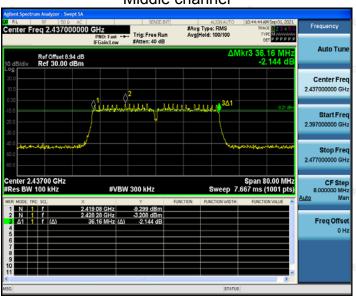
Lowest channel

Report No.: HK2108303184-1E

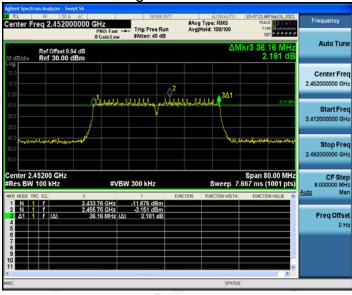
TIFICATION



Middle channel



Highest channel



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