



FCC TEST REPORT

**Test report
On Behalf of
Shenzhen Xunman Technology Co., LTD.
For**

**Wireless dual-band network card
Model No.: M-18A, M-18B, M-18C, M-18D, M-18E, M-18F, N32,
N21, M-30A, M-30B, M-30C, M-30D, M-30E, M-30F**

FCC ID: 2A5M6-M-18A

Prepared for : Shenzhen Xunman Technology Co., LTD.
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Date of Test: Nov. 11, 2022 ~ Dec. 19, 2022

Date of Report: Dec. 19, 2022

Report Number: HK2211255331-1E



TEST RESULT CERTIFICATION

Applicant's name: Shenzhen Xunman Technology Co., LTD.
Address: Floor 3, Building B, No.7, Tongfu Road, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Manufacture's Name.....: Shenzhen Xunman Technology Co., LTD.
Address: Floor 3, Building B, No.7, Tongfu Road, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Product description

Trade Mark: N/A
Product name.....: Wireless dual-band network card
Model and/or type reference : M-18A, M-18B, M-18C, M-18D, M-18E, M-18F, N32, N21, M-30A, M-30B, M-30C, M-30D, M-30E, M-30F
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: **Nov. 11, 2022 ~ Dec. 19, 2022**
Date of Issue.....: **Dec. 19, 2022**
Test Result.....: **Pass**

Testing Engineer : *Gary Qian*
(Gary Qian)

Technical Manager : *Zden Hu*
(Eden Hu)

Authorized Signatory : *Jason Zhou*
(Jason Zhou)

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TABLE OF CONTENTS

- 1. Test Result Summary 5**
 - 1.1. TEST PROCEDURES AND RESULTS..... 5
 - 1.2. INFORMATION OF THE TEST LABORATORY..... 5
 - 1.3. MEASUREMENT UNCERTAINTY 6
- 2. EUT Description 7**
 - 2.1. GENERAL DESCRIPTION OF EUT 7
 - 2.2. CARRIER FREQUENCY OF CHANNELS 8
 - 2.3. OPERATION OF EUT DURING TESTING 8
 - 2.4. DESCRIPTION OF TEST SETUP 9
- 3. Genera Information 10**
 - 3.1. TEST ENVIRONMENT AND MODE 10
 - 3.2. DESCRIPTION OF SUPPORT UNITS 11
- 4. Test Results and Measurement Data 12**
 - 4.1. CONDUCTED EMISSION 12
 - 4.2. MAXIMUM CONDUCTED OUTPUT POWER 16
 - 4.3. EMISSION BANDWIDTH..... 18
 - 4.4. POWER SPECTRAL DENSITY 33
 - 4.5. CONDUCTED BAND EDGE AND SPURIOUS EMISSION MEASUREMENT 49
 - 4.6. RADIATED SPURIOUS EMISSION MEASUREMENT 75
 - 4.7. ANTENNA REQUIREMENT 107
 - 4.8. PHOTOS OF THE EUT 110

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**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Dec. 19, 2022	Jason Zhou



1. Test Result Summary

1.1. TEST PROCEDURES AND RESULTS

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	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.



1.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded 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
1	Conducted Emission	$\pm 0.37\text{dB}$
2	RF power, conducted	$\pm 3.35\text{dB}$
3	Spurious emissions, conducted	$\pm 2.20\text{dB}$
4	All emissions, radiated(<1G)	$\pm 3.90\text{dB}$
5	All emissions, radiated(>1G)	$\pm 4.28\text{dB}$
6	Temperature	$\pm 0.1^\circ\text{C}$
7	Humidity	$\pm 1.0\%$



2. EUT Description

2.1. GENERAL DESCRIPTION OF EUT

Equipment	Wireless dual-band network card
Model Name	M-18A
Serial Model	M-18B, M-18C, M-18D, M-18E, M-18F, N32, N21, M-30A, M-30B, M-30C, M-30D, M-30E, M-30F
Model Difference	All model's the function, software and electric circuit are the same, only with appearance and model named different. Test sample model: M-18A
Trade Mark	N/A
FCC ID	2A5M6-M-18A
Antenna Type	FPC Antenna
Antenna Gain	Antenna 1:1.48dBi Antenna 2:1.48dBi MIMO: 4.490dBi
Operation frequency	802.11b/g/n/ax 20:2412~2462 MHz 802.11n/ax 40: 2422~2452MHz
Number of Channels	802.11b/g/n/ax20: 11CH 802.11n/ax 40: 7CH
Modulation Type	CCK/OFDM/DBPSK/DAPSK
Power Source	DC 5V
Power Rating	DC 5V
Hardware Version:	V1
Software Version:	V1.3
<p>Note: The EUT incorporates a MIMO function. Physically, it provides two completed transmitters and receivers(2T2R), two transmit signals are completely correlated, then, Direction gain=GANT + Array Gain(Array Gain=10 log(2) dB for power spectral density; Array Gain=0 for power measurement)</p>	



2.2. Carrier Frequency of Channels

Channel List for 802.11b/802.11g/802.11n (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		

Channel List For 802.11n (HT40)/802.11ax (HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
--	--	04	2427	07	2442	--	--
--	--	05	2432	08	2447	--	--
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)/802.11ax (HT20)**

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

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

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

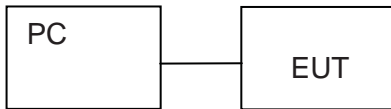


2.4. DESCRIPTION OF TEST SETUP

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, 2.25-30.25A

Output: 5VDC, 0.5A



3. General Information

3.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations (The value of duty cycle is 98.46%)
<p>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.</p>	

<p>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:</p>	
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)/802.11ax(H20)	6.5Mbps
802.11n(H40)/802.11ax(H40)	13.5Mbps
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation
<p>1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.</p> <p>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)/802.11ax(H20), 13.5Mbps for 802.11(H40)/802.11ax(H40). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.</p>	

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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.

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.
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.



4. Test Results and Measurement Data

4.1. Conducted Emission

4.1.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
	Frequency range (MHz)		Limit (dBuV)												
		Quasi-peak	Average												
	0.15-0.5	66 to 56*	56 to 46*												
0.5-5	56	46													
5-30	60	50													
Test Setup:	<p><i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test Mode:	Charging + transmitting with modulation														
Test Procedure:	<ol style="list-style-type: none"> 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														

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4.1.2. Test Instruments

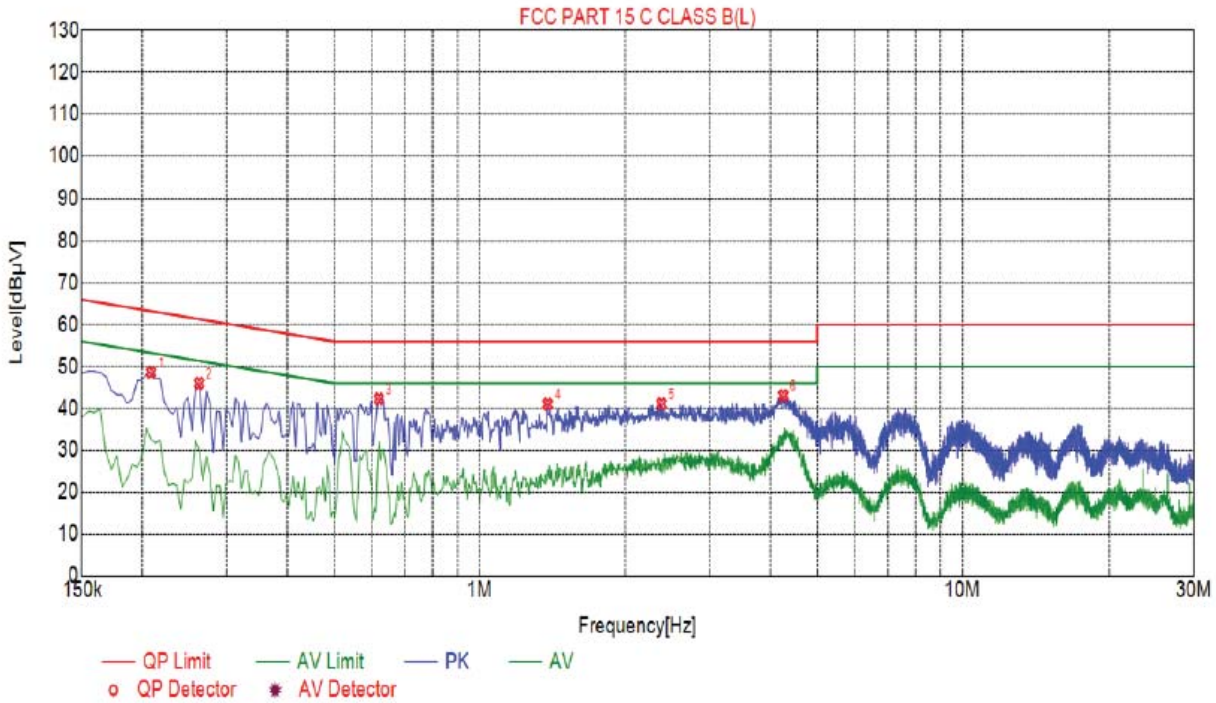
Conducted Emission Shielding Room Test Site (843)					
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Receiver	R&S	ESCI 7	HKE-010	Feb. 18, 2022	Feb. 17, 2023
LISN	R&S	ENV216	HKE-002	Feb. 18, 2022	Feb. 17, 2023
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	N/A	N/A

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

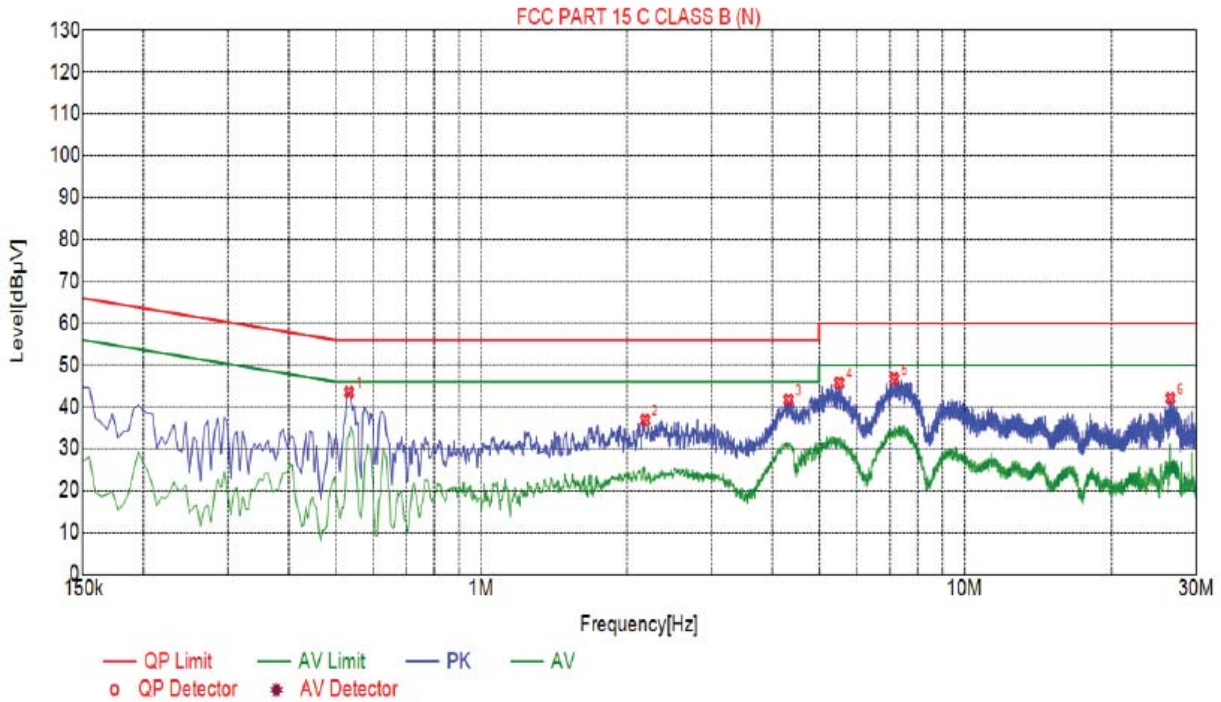


Suspected List								
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.2085	48.63	20.04	63.26	14.63	28.59	PK	L
2	0.2625	46.00	20.03	61.35	15.35	25.97	PK	L
3	0.6180	42.27	20.05	56.00	13.73	22.22	PK	L
4	1.3830	41.01	20.11	56.00	14.99	20.90	PK	L
5	2.3820	41.08	20.18	56.00	14.92	20.90	PK	L
6	4.2540	43.09	20.25	56.00	12.91	22.84	PK	L

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



Test Specification: Neutral

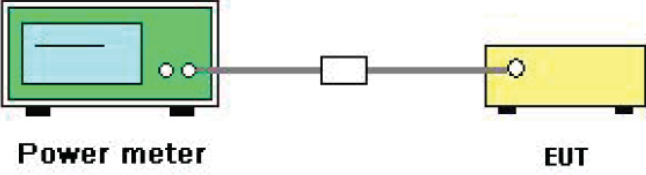


Suspected List								
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.5325	43.52	20.05	56.00	12.48	23.47	PK	N
2	2.1840	36.81	20.16	56.00	19.19	16.65	PK	N
3	4.3215	41.74	20.25	56.00	14.26	21.49	PK	N
4	5.5095	45.72	20.26	60.00	14.28	25.46	PK	N
5	7.1565	46.71	20.19	60.00	13.29	26.52	PK	N
6	26.4975	42.07	20.26	60.00	17.93	21.81	PK	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:	 <p style="text-align: center;"> Power meter EUT </p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 15.247 Meas Guidance v05r02. 2. 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. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. 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	Feb. 18, 2022	Feb. 17, 2023
Power Sensor	Agilent	E9300A	HKE-086	Feb. 18, 2022	Feb. 17, 2023
RF cable	Times	1-40G	HKE-034	Feb. 18, 2022	Feb. 17, 2023
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 18, 2022	Feb. 17, 2023

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



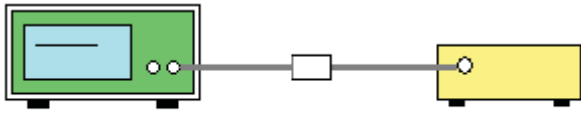
4.2.3. Test Data

Test Channel	Frequency	Maximum Peak Conducted Output Power (dBm)			LIMIT
	(MHz)	Antenna port 1	Antenna port 2	MIMO	dBm
TX 802.11b Mode					
CH01	2412	5.98	5.34	/	30
CH06	2437	5.00	5.11	/	30
CH11	2462	5.38	5.39	/	30
TX 802.11g Mode					
CH01	2412	5.25	4.33	/	30
CH06	2437	5.60	4.69	/	30
CH11	2462	5.42	4.97	/	30
TX 802.11n20 Mode					
CH01	2412	5.34	4.64	8.01	30
CH06	2437	4.55	4.82	7.70	30
CH11	2462	4.61	4.98	7.81	30
TX 802.11n40 Mode					
CH03	2422	4.03	5.13	7.63	30
CH06	2437	4.78	4.77	7.79	30
CH09	2452	4.17	4.13	7.16	30
TX 802.11ax20 Mode					
CH01	2412	4.30	4.07	7.20	30
CH06	2437	4.35	4.62	7.50	30
CH11	2462	4.12	3.91	7.03	30
TX 802.11ax40 Mode					
CH03	2422	3.99	3.96	6.99	30
CH06	2437	4.02	3.24	6.66	30
CH09	2452	3.56	3.30	6.44	30
Note: This product supports antenna 1 and antenna 2 launch, but only support 802.11 n/ax 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 15.247 (a)(2)
Test Method:	KDB 558074 D01 15.247 MEAS GUIDANCE V05R02
Limit:	>500kHz
Test Setup:	 <p style="text-align: center;">Spectrum Analyzer EUT</p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows FCC KDB 558074 D01 15.247 Meas Guidance v05r02. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. 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. 4. Measure and record the results in the test report.
Test Result:	PASS

4.3.2. Test Instruments

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 18, 2022	Feb. 17, 2023
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 18, 2022	Feb. 17, 2023
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 18, 2022	Feb. 17, 2023

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

Test channel	6dB Emission Bandwidth (MHz)					
	802.11b	802.11g	802.11n(H20)	802.11n(H40)	802.11ax(H20)	802.11ax(H40)
Lowest	10.120	16.280	17.560	30.080	15.120	30.480
Middle	10.080	16.320	17.240	36.240	18.800	37.680
Highest	11.080	16.080	17.080	36.400	18.000	37.600
Limit:	>500k					
Test Result:	PASS					

Test plots as follows:



802.11b Modulation

Lowest channel



Middle channel



Highest channel



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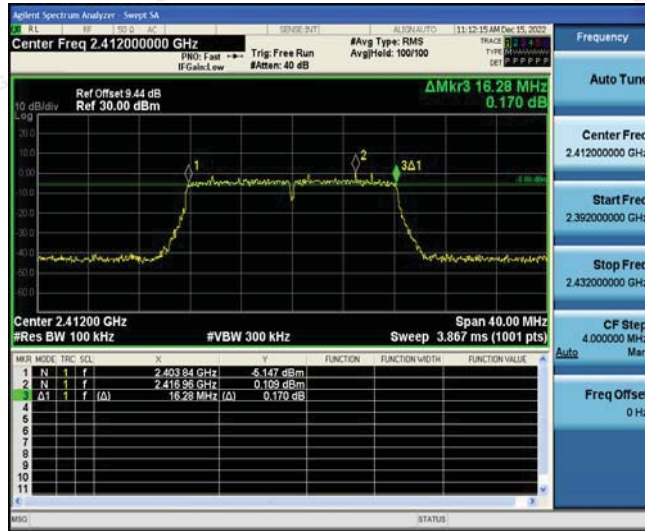
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802.11g Modulation

Lowest channel



Middle channel



Highest channel



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802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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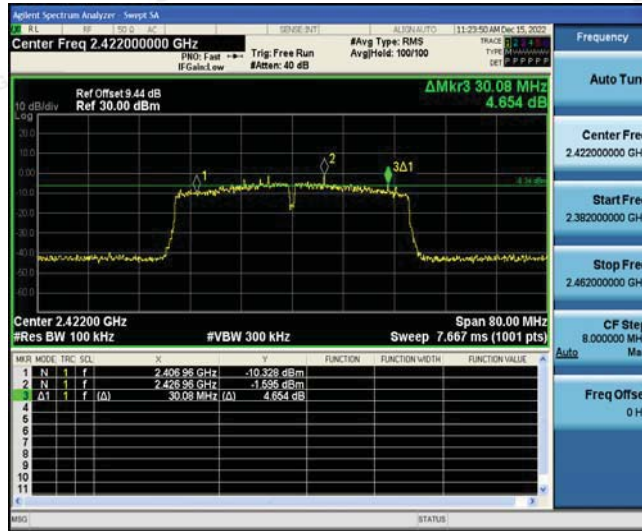
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802.11n (HT40) Modulation

Lowest channel



Middle channel



Highest channel



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802.11ax (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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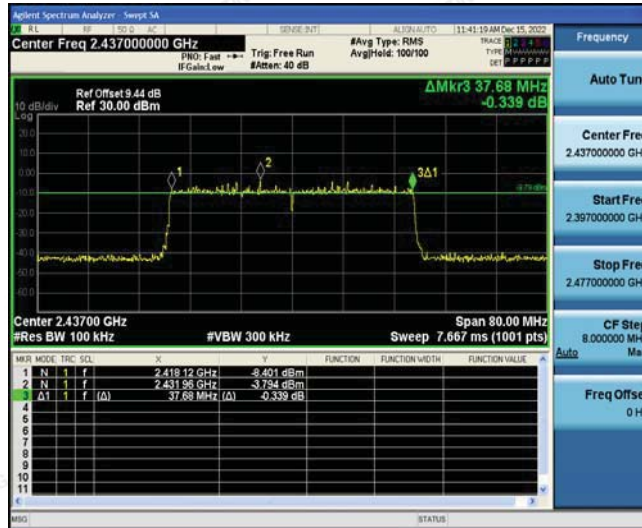


802.11ax (HT40) Modulation

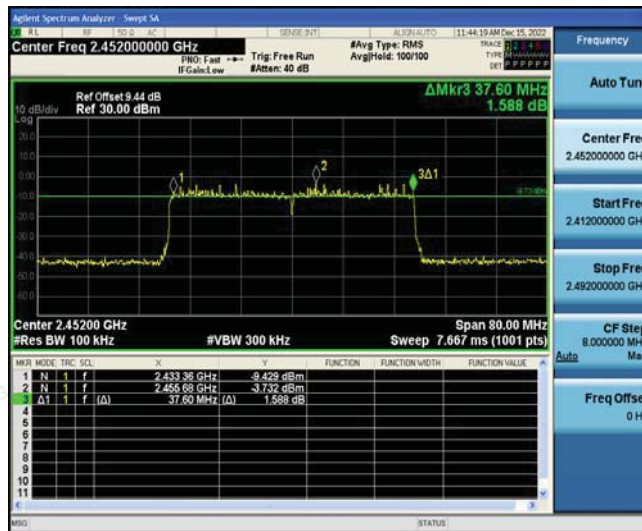
Lowest channel



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)	802.11ax(H20)	802.11ax(H40)
Lowest	10.120	16.280	17.560	26.720	16.640	27.840
Middle	10.120	16.400	17.280	36.320	17.640	37.840
Highest	10.120	16.320	17.400	36.240	18.720	37.840
Limit:	>500k					
Test Result:	PASS					

Test plots as follows:



802.11b Modulation

Lowest channel



Middle channel



Highest channel



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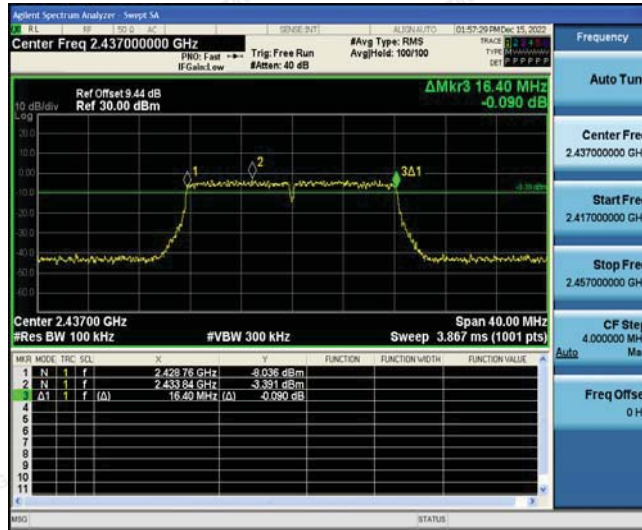


802.11g Modulation

Lowest channel



Middle channel



Highest channel



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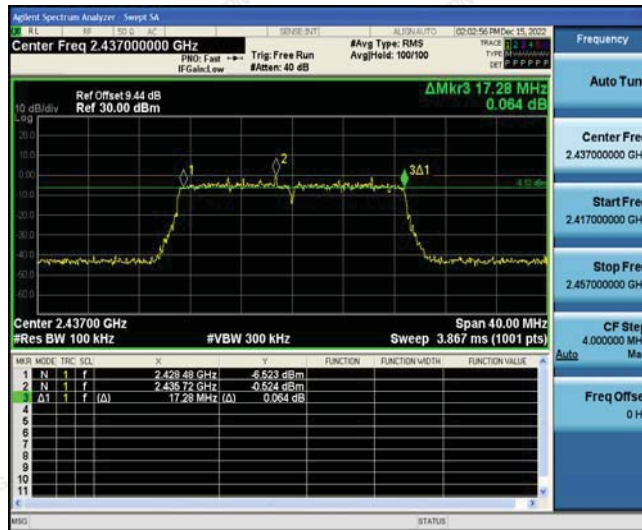


802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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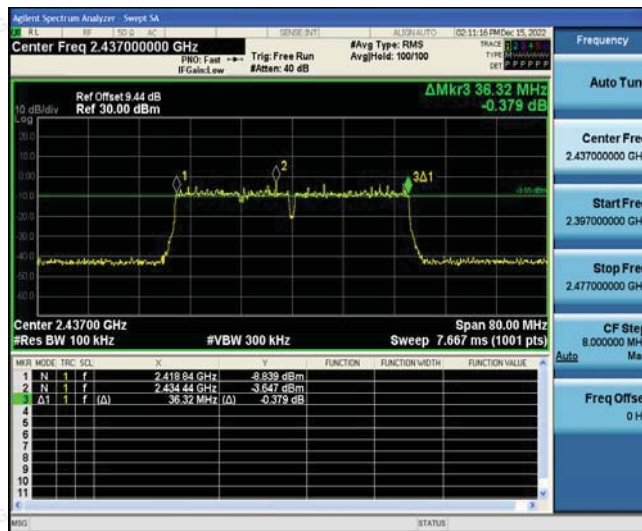


802.11n (HT40) Modulation

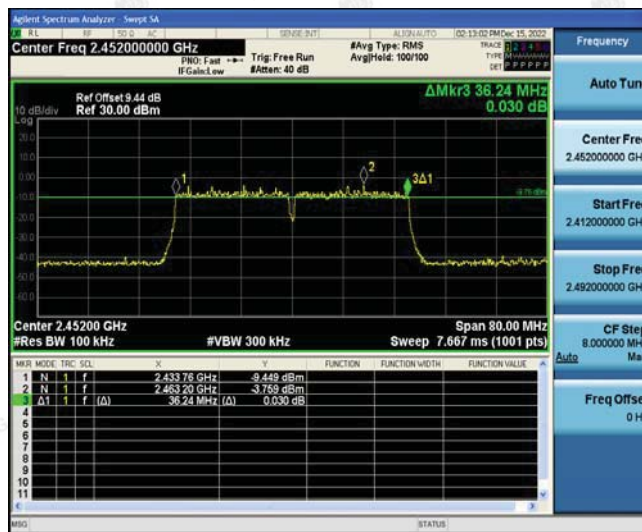
Lowest channel



Middle channel



Highest channel



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802.11ax (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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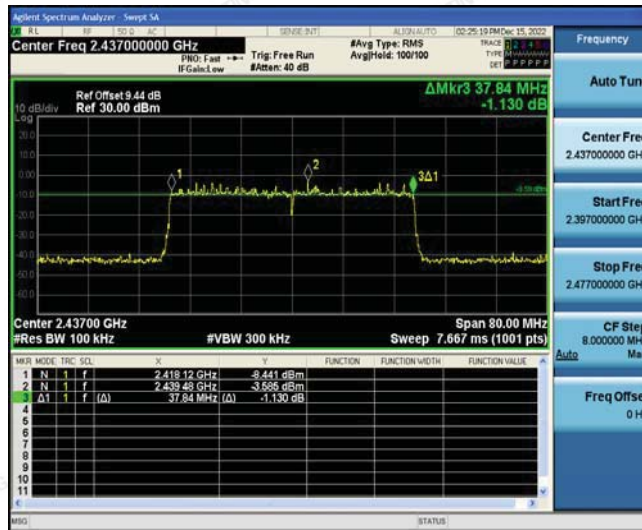


802.11ax (HT40) Modulation

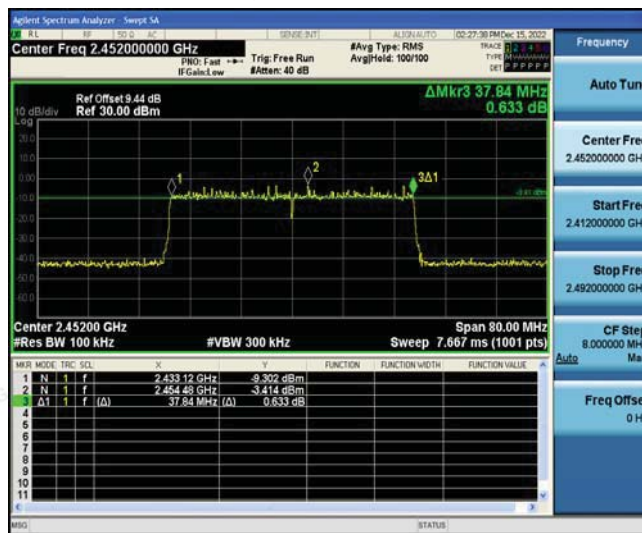
Lowest channel



Middle channel



Highest channel



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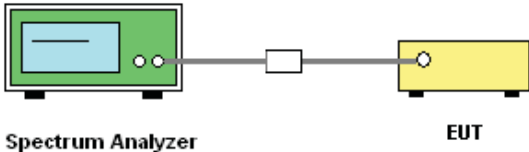
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4.4. Power Spectral Density

4.4.1. 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:	 <p style="text-align: center;">Spectrum Analyzer EUT</p>
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows Measurement procedure 10.2 method PKPSD of FCC KDB 558074 D01 15.247 Meas Guidance v05r02. 2. 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. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$. Video bandwidth $\text{VBW} \geq 3 \times \text{RBW}$. Set the span to at least 1.5 times the OBW. 5. Detector = Peak, Sweep time = auto couple. 6. Employ trace averaging (Peak) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. 6. Measure and record the results in the test report.
Test Result:	PASS

4.4.2. Test Instruments

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 18, 2022	Feb. 17, 2023
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 18, 2022	Feb. 17, 2023
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 18, 2022	Feb. 17, 2023
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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4.4.3. Test data

For antenna port 1

EUT Set Mode	Channel	Result (dBm/30kHz)	Result (dBm/3kHz)
802.11b	Lowest	-1.55	-11.55
	Middle	-0.99	-10.99
	Highest	-0.1	-10.1
802.11g	Lowest	-4.44	-14.44
	Middle	-3.37	-13.37
	Highest	-4.83	-14.83
802.11n(H20)	Lowest	-4.62	-14.62
	Middle	-4.71	-14.71
	Highest	-4.79	-14.79
802.11n(H40)	Lowest	-5.94	-15.94
	Middle	-8.11	-18.11
	Highest	-7.07	-17.07
802.11ax(H20)	Lowest	-4.5	-14.5
	Middle	-4.54	-14.54
	Highest	-4.83	-14.83
802.11ax(H40)	Lowest	-7.77	-17.77
	Middle	-8.13	-18.13
	Highest	-8.1	-18.1
PSD test result (dBm/3kHz)= PSD test result (dBm/30kHz)-10			
Limit: 8dBm/3kHz			
Test Result:	PASS		

Test plots as follows:



802.11b Modulation

Lowest channel



Middle channel



Highest channel



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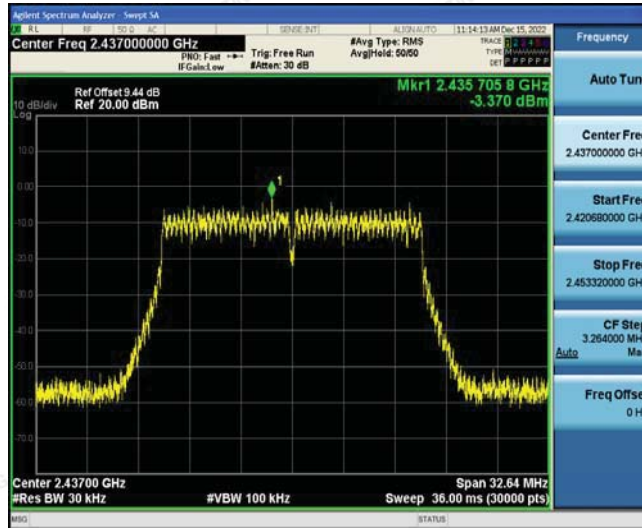


802.11g Modulation

Lowest channel



Middle channel



Highest channel



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802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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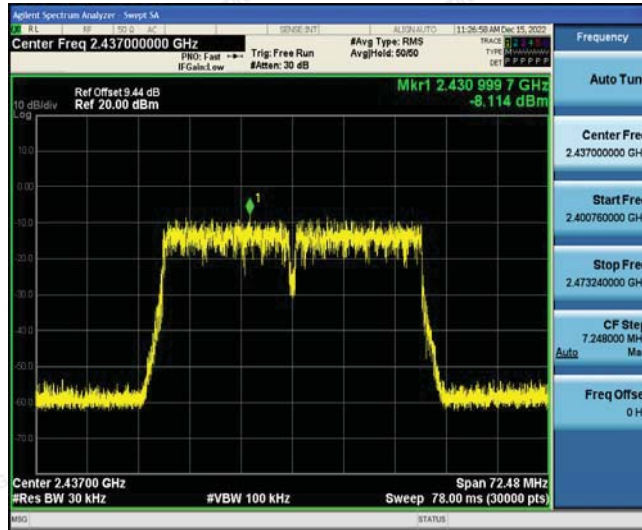


802.11n (HT40) Modulation

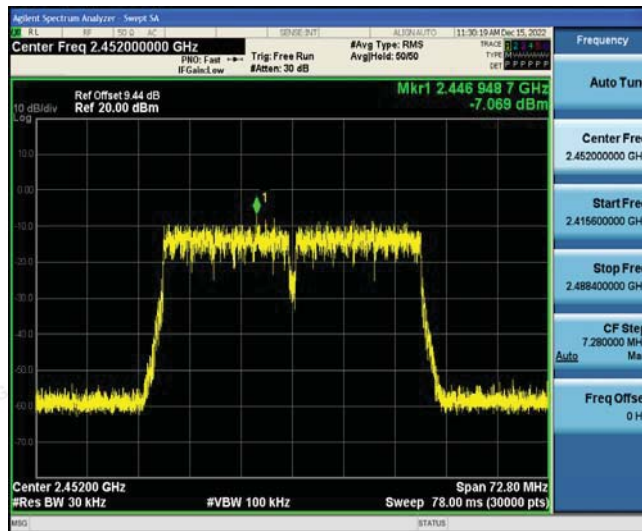
Lowest channel



Middle channel



Highest channel



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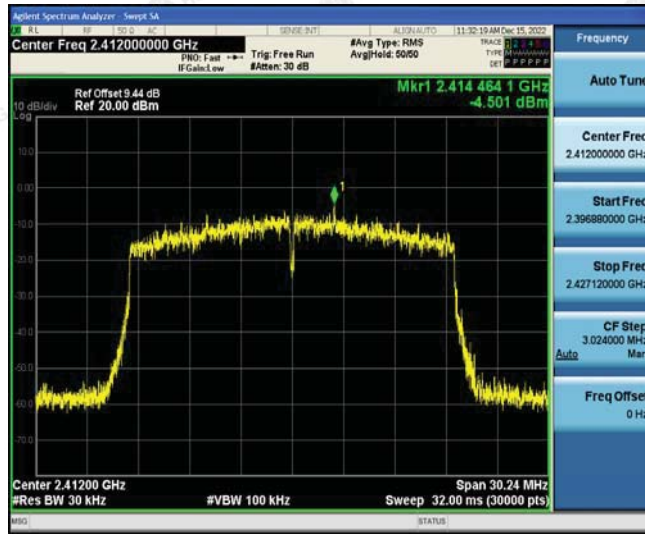
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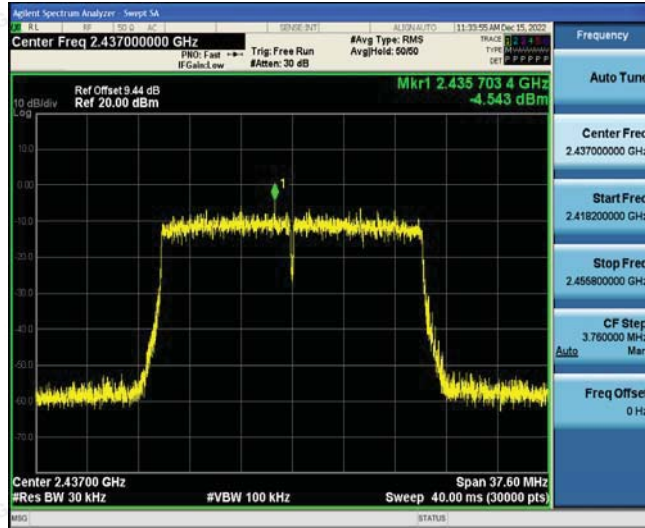


802.11ax (HT20) Modulation

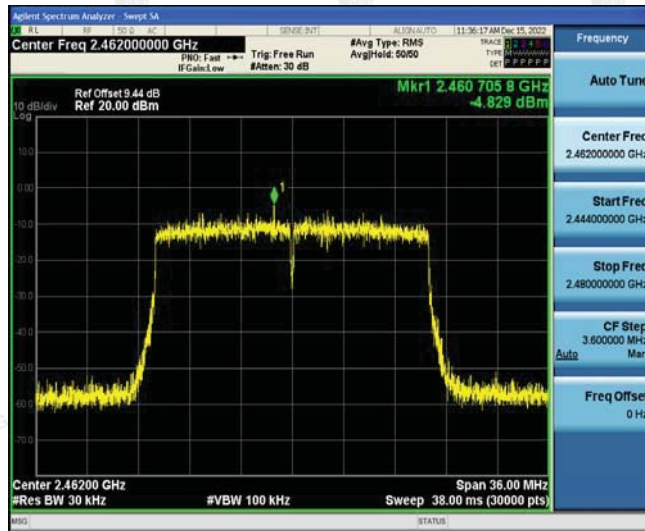
Lowest channel



Middle channel



Highest channel



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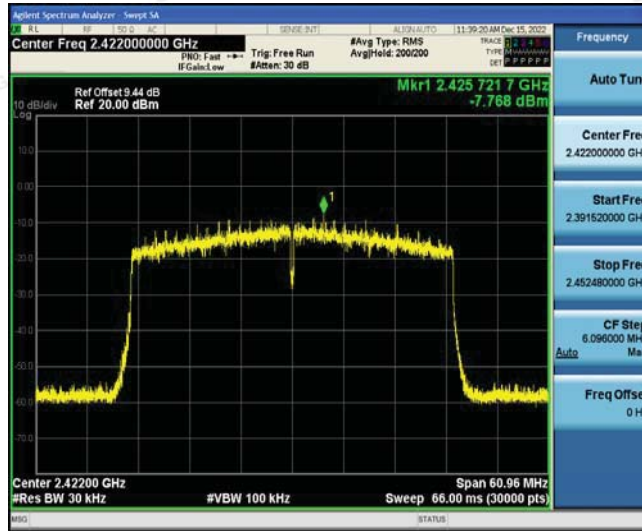
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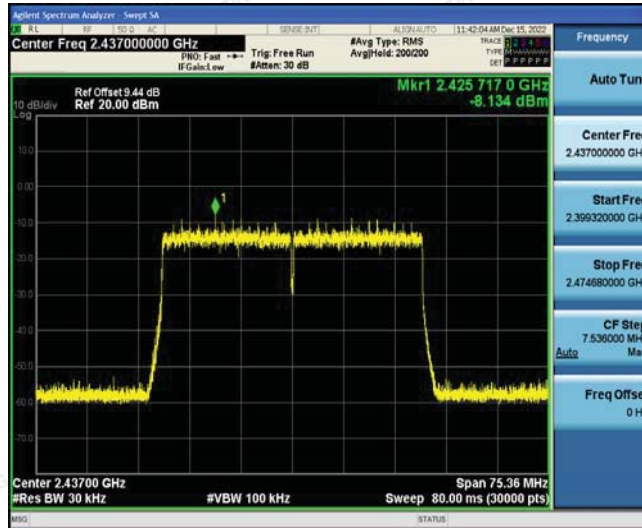


802.11ax(HT40) Modulation

Lowest channel



Middle channel



Highest channel



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For antenna port 2

EUT Set Mode	Channel	Result (dBm/30kHz)	Result (dBm/3kHz)
802.11b	Lowest	-1.72	-11.72
	Middle	-1.23	-11.23
	Highest	-0.84	-10.84
802.11g	Lowest	-5.51	-15.51
	Middle	-5.3	-15.3
	Highest	-4.51	-14.51
802.11n(H20)	Lowest	-5.77	-15.77
	Middle	-4.8	-14.8
	Highest	-4.59	-14.59
802.11n(H40)	Lowest	-5.98	-15.98
	Middle	-7.63	-17.63
	Highest	-8.38	-18.38
802.11ax(H20)	Lowest	-6.08	-16.08
	Middle	-6.97	-16.97
	Highest	-4.33	-14.33
802.11ax(H40)	Lowest	-7.74	-17.74
	Middle	-7.24	-17.24
	Highest	-7.33	-17.33
PSD test result (dBm/3kHz)= PSD test result (dBm/30kHz)-10			
Limit: 8dBm/3kHz			
Test Result:	PASS		

Test plots as follows:



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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