RADIO TEST REPORT
FCC 47 CFR PART 15 SUBPART C

Test Standard	**FCC Part 15.247**
Product name	**AX1800 Wi-Fi 6 AI Router, AX1800 SMART ROUTER**
Brand Name	**D-Link**
Model No.	**R18**
Test Result	**Pass**
Statements of Conformity	**Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.**

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.
The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory).

Approved by:

David Huang
Supervisor

Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	July 19, 2022	Initial Issue	ALL	Doris Chu

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	D-Link Corporation 14420 Myford Road Suite 100 Irvine California United States 92606
Manufacturer	D-Link Corporation 14420 Myford Road Suite 100 Irvine California United States 92606
Equipment	AX1800 Wi-Fi 6 AI Router, AX1800 SMART ROUTER
Model Name	R18
Model Discrepancy	N/A
Trade Name	D-Link
Received Date	January 17, 2022
Date of Test	February 22 ~ April 3, 2022
Power Supply	Power from Power Adapter AMIGO / AMS159A-1201000FU I/P: 100-240Vac, 50-60Hz, 0.5A O/P: 12Vdc, 1.0A

Remark:
1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

Frequency Range	802.11b/g/n HT 20/ac (VHT20)/ax (HE20): 2412MHz ~ 2462MHz 802.11n HT 40/ac (VHT40)/ax (HE40): 2422MHz ~ 2452MHz
Modulation Type	1. IEEE 802.11b mode: DSSS 2. IEEE 802.11g mode: OFDM 3. IEEE 802.11n HT 20 MHz mode: OFDM 4. IEEE 802.11n HT 40 MHz mode: OFDM 5. IEEE 802.11ac (VHT20) MHz mode: OFDM 6. IEEE 802.11ac (VHT40) MHz mode: OFDM 7. IEEE 802.11ax (HE20) MHz mode: OFDMA 8. IEEE 802.11ax (HE40) MHz mode: OFDMA
Number of channel	1. IEEE 802.11b mode: 11 Channels 2. IEEE 802.11g mode: 11 Channels 3. IEEE 802.11n HT 20 MHz mode: 11 Channels 4. IEEE 802.11n HT 40 MHz mode: 7 Channels 5. IEEE 802.11ac (VHT20) MHz mode: 11 Channels 6. IEEE 802.11ac (VHT40) MHz mode: 7 Channels 7. IEEE 802.11ax (HE20) MHz mode: 11 Channels 8. IEEE 802.11ax (HE40) MHz mode: 7 Channels

Remark:
Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	**Number of frequencies**	**Location in frequency range of operation**
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Specification	☐ PIFA ☐ PCB ☒ Dipole ☐ Coils
Antenna Gain	Chain 0: Gain: 4.8 dBi Chain 1: Gain: 4.4 dBi Power Directional Gain: 7.61 dBi
Antenna Trade / Model	Chain 0: LYNwave / AOX21X-051048-00 Chain 1: LYNwave / AOX20X-051041-00
Antenna connector	MHF compatible

Notes:
1. Power Directional Gain = 10*log { [10^(Ant1/20) + 10^(Ant2/20) + … + 10^(Ant N /20)]^2 / N ANT} dBi
2. The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	+/- 2.1183
3M Semi Anechoic Chamber / 30M~200M	+/- 4.12
3M Semi Anechoic Chamber / 200M~1000M	+/- 4.68
3M Semi Anechoic Chamber / 1G~8G	+/- 5.18
3M Semi Anechoic Chamber / 8G~18G	+/- 5.47
3M Semi Anechoic Chamber / 18G~26G	+/- 3.81
3M Semi Anechoic Chamber / 26G~40G	+/- 3.87
Channel Bandwidth	+/ 1.8006
RF output power	+/ 1.8009
Power Spectral density	+/ 1.7998
Emission Reference Level	+/ 1.8006
Conducted Bandedge	+/ 1.8010
Conducted Spurious Emission	+/ 1.8017

Remark:
1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan. (R.O.C.)

Test site	Test Engineer	Remark
AC Conduction Room	Jack Chen	-
Radiation	Tony Chao, Czerny Lin	-
RF Conducted	Jack Chen, Allen Shen	-

Remark: The lab has been recognized as the FCC accredited lad under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309.

1.6 INSTRUMENT CALIBRATION

RF Conducted Test Site					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
EXA Signal Analyzer	KEYSIGHT	N9010B	MY59071573	05/25/2021	05/24/2022
EXA Signal Analyzer	KEYSIGHT	N9010B	MY55460167	09/07/2021	09/06/2022
Power Meter	Anritsu	ML2496A	2136002	12/06/2021	12/05/2022
Power Seneor	Anritsu	MA2411B	1911386	08/19/2021	08/18/2022
Power Seneor	Anritsu	MA2411B	1911387	08/19/2021	08/18/2022
Software	Radio Test Software Ver. 21				

AC Power Line Conducted Emission Test Room					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
CABLE	EMCI	CFD300-NL	CERF	06/28/2021	06/27/2022
EMI Test Receiver	R&S	ESCI	100064	07/05/2021	07/04/2022
LISN	SCHWARZBECK	NSLK 8127	8127-01068	01/17/2022	01/16/2023
Software	EZ-EMC(CCS-3A1-CE-wugu)				

Remark:
1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.

3M 966 Chamber Test Site					
Equipment	**Manufacturer**	**Model**	**S/N**	**Cal Date**	**Cal Due**
Band Reject Filters	MICRO TRONICS	BRM 50702	112	11/23/2021	11/22/2022
Bilog Antenna	Sunol Sciences	JB3	A030105	07/19/2021	07/18/2022
Coaxial Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	02/24/2021	02/23/2022
				02/23/2022	02/22/2023
Coaxial Cable	EMCI	EMC105	190914+1111	09/17/2021	09/16/2022
Coaxial Cable	Woken	J-1099	201709090004	12/23/2021	12/22/2022
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	12/28/2021	12/27/2022
Horn Antenna	ETS LINDGREN	3116	00026370	11/30/2021	11/29/2022
Horn Antenna	ETS LINDGREN	3117	00055165	07/29/2021	07/28/2022
K Type Cable	Huber+Suhner	SUCOFLEX 102	29406/2	12/05/2021	12/04/2022
Loop Ant	COM-POWER	AL-130	121051	04/07/2021	04/06/2022
Pre-Amplifier	EMEC	EM330	060609	02/24/2021	02/23/2022
				02/23/2022	02/22/2023
Pre-Amplifier	HP	8449B	3008A00965	12/24/2021	12/23/2022
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	12/06/2021	12/05/2022
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180419c				

Remark:
1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment					
No.	**Equipment**	**Brand**	**Model**	**Series No.**	**FCC ID**
1	Lan Cable	Nienyi	NYS4709	N/A	N/A

Support Equipment					
No.	**Equipment**	**Brand**	**Model**	**Series No.**	**FCC ID**
1	NB(J)	TOSHIBA	PT345T-00L002	N/A	PD97260H

1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.247, KDB 662911 D01.

2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(a)(2)	4.2	6 dB Bandwidth	Pass
-	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)	4.3	Output Power Measurement	Pass
15.247(e)	4.4	Power Spectral Density	Pass
15.247(d)	4.5	Conducted Band Edge	Pass
15.247(d)	4.5	Conducted Spurious Emission	Pass
15.247(d)	4.6	Radiation Band Edge	Pass
15.247(d)	4.6	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	IEEE 802.11b mode:1Mbps IEEE 802.11g mode:6Mbps IEEE 802.11n HT20 mode: MCS0 IEEE 802.11n HT40 mode: MCS0 IEEE 802.11ac (VHT20) MHz mode: MCS0 IEEE 802.11ac (VHT40) MHz mode: MCS0 IEEE 802.11ax (HE20) MHz mode: MCS0 IEEE 802.11ax (HE40) MHz mode: MCS0
Test Channel Frequencies	**IEEE 802.11b mode:** 1. Lowest Channel: 2412MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2462MHz **IEEE 802.11g mode :** 1. Lowest Channel: 2412MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2462MHz **IEEE 802.11n HT20 mode :** 1. Lowest Channel: 2412MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2462MHz **IEEE 802.11 ac (VHT20) mode :** 1. Lowest Channel: 2412MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2462MHz **IEEE 802.11 ax (HE20) mode :** 1. Lowest Channel: 2412MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2462MHz **IEEE 802.11n HT40 mode :** 1. Lowest Channel: 2422MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2452MHz **IEEE 802.11 ac (VHT40) mode :** 1. Lowest Channel: 2422MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2452MHz **IEEE 802.11 ax (HE40) mode :** 1. Lowest Channel: 2422MHz 2. Middle Channel: 2437MHz 3. Highest Channel: 2452MHz

Operation Transmitter	IEEE 802.11b mode: 2T2R IEEE 802.11g mode: 2T2R IEEE 802.11n HT20 mode: 2T2R IEEE 802.11n HT40 mode: 2T2R IEEE 802.11ac (VHT20) mode: 2T2R IEEE 802.11ax (HE20) mode: 2T2R IEEE 802.11 ac (VHT40) mode: 2T2R IEEE 802.11ax (HE40) mode: 2T2R

Remark:
1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. The worst-case data rates are determined to be as follows for each mode based upon investigations by measuring the power and PSD across all date rates, bandwidths, and modulations. The device supports SISO and MIMO at 802.11b/g/ ac (VHT20)/ ax (HE20)/ ac (VHT40)/ ax (HE40) mode, per pre-test, MIMO 2TX mode was the worst and reported.
3. The EUT support Beamforming off and beamforming on mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.

3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conducted Emission	
Test Condition	AC Power line conducted emission for line and neutral
Power supply Mode	Mode 1: EUT power by Adapter
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Adapter
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☒ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☐ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Adapter
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:
1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report
3. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest output power channel as worse case.

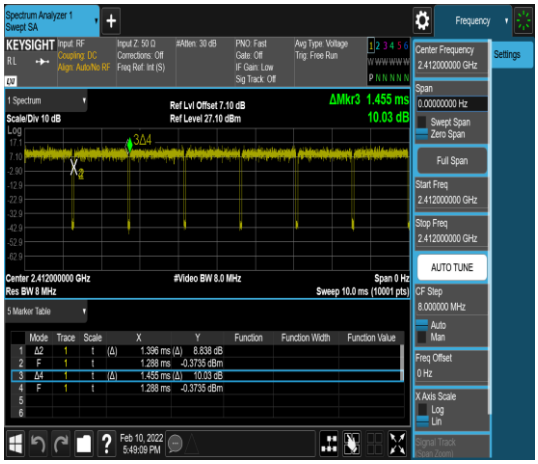
3.3 EUT DUTY CYCLE

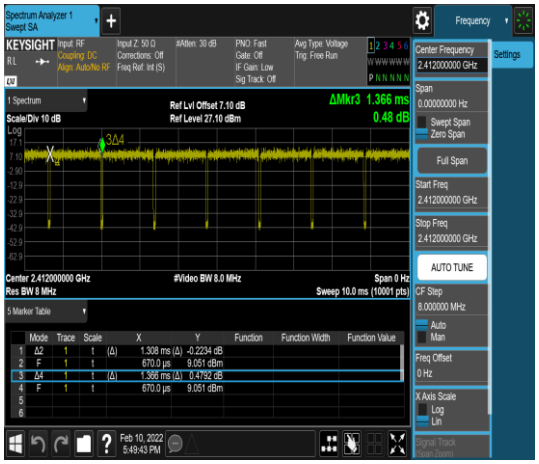
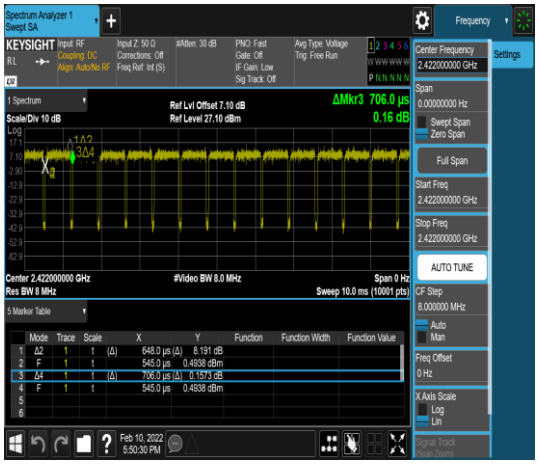
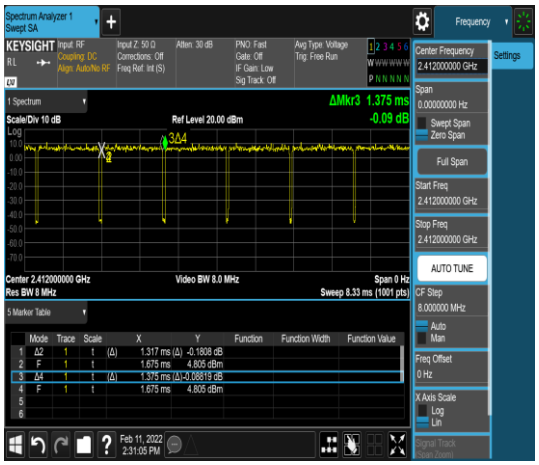
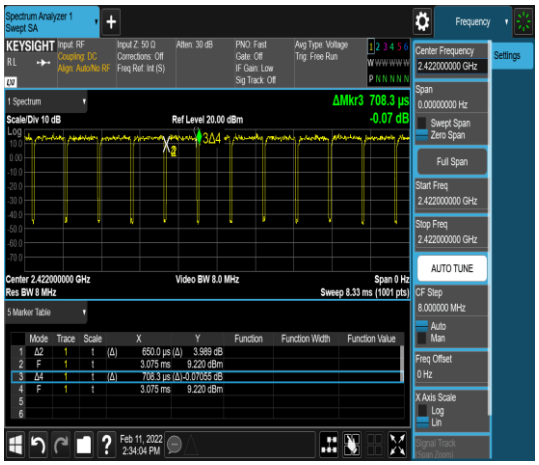
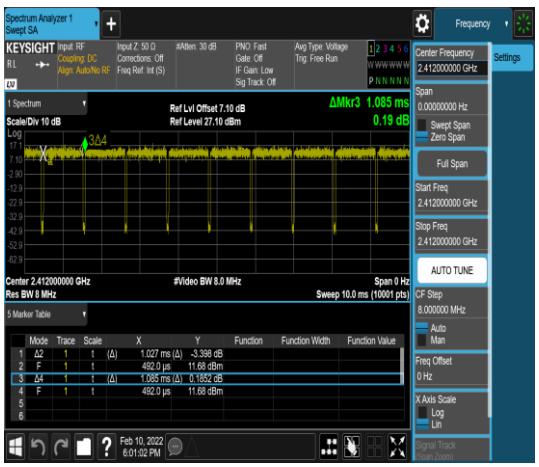
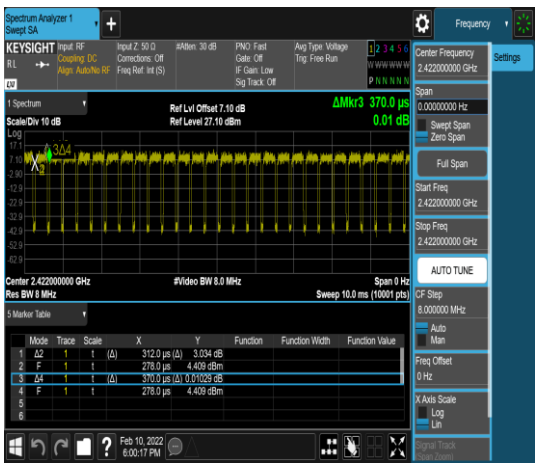
BFM OFF

Temperature: 16.5 ~ 23.6℃ **Test date:** February 10 ~ March 7, 2022

Humidity: 53 ~ 68% RH **Tested by:** Jack Chen

Duty Cycle				
Configuration	Duty Cycle (%)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b	99.34	0.03	0.12	0.01
802.11g	95.95	0.18	0.72	1.00
802.11n HT20	95.75	0.19	0.76	1.00
802.11n HT40	91.78	0.37	1.54	2.00
802.11 ac (VHT20)	95.78	0.19	0.76	1.00
802.11 ac (VHT40)	91.76	0.37	1.54	2.00
802.11 ax (HE20)	94.65	0.24	0.97	1.00
802.11 ax (HE40)	84.32	0.74	3.21	4.00

802.11b	802.11g
	

802.11n HT20	802.11n HT40
	
802.11 ac (VHT20)	802.11 ac (VHT40)
	
802.11 ax (HE20)	802.11 ax (HE40)
	

4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a)(2),

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

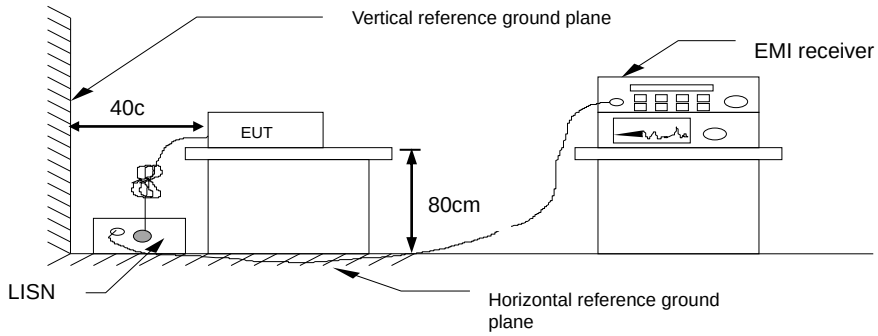
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup

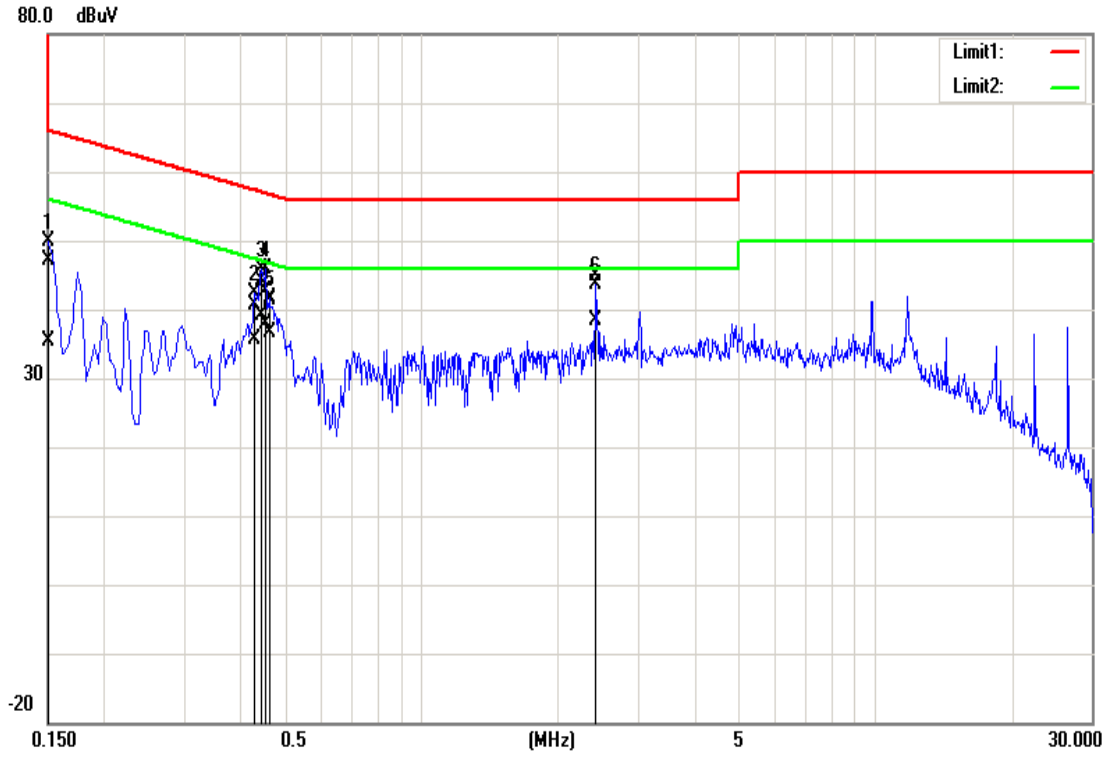


4.1.4 Test Result

Pass.

Test Data

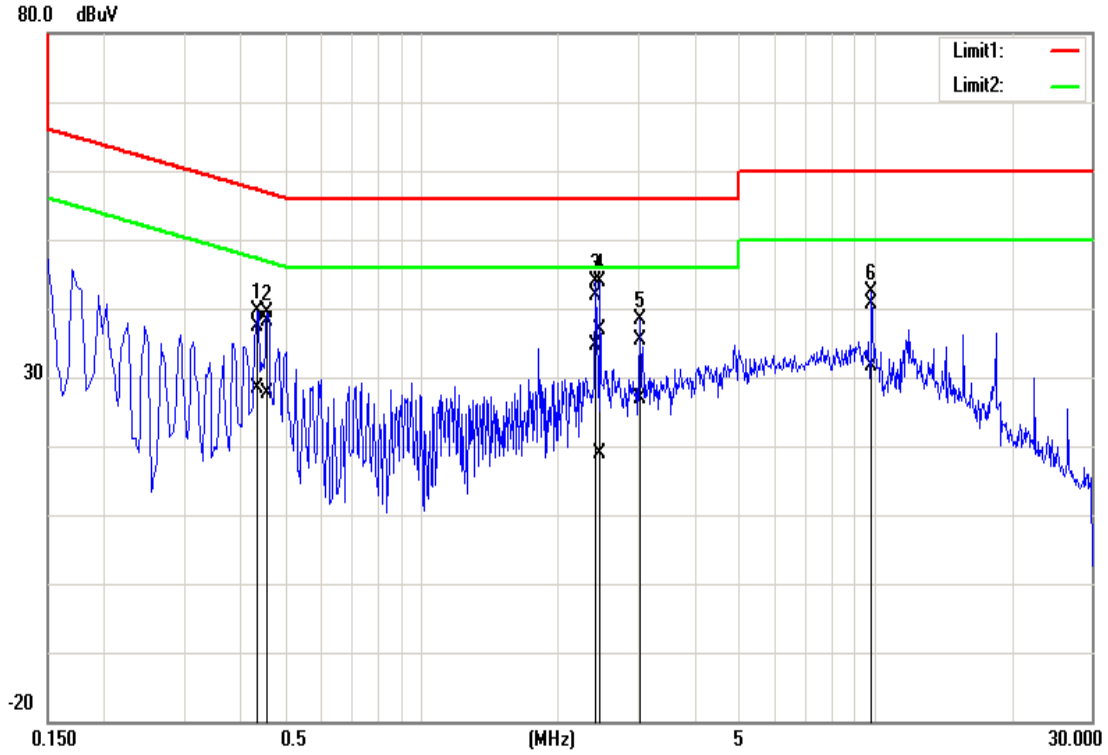
Test Mode:	Mode 1	Temp/Hum	19.9(℃)/ 58%RH
Phase:	Line	Test Date	February 9, 2022
Test Voltage:	120Vac, 60Hz	Test Engineer	Jack Chen



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (d uV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1500	47.16	35.30	0.08	47.24	35.38	66.00	56.00	-18.76	-20.62	Pass
0.4300	40.43	35.50	0.10	40.53	35.60	57.25	47.25	-16.72	-11.65	Pass
0.4460	44.13	38.91	0.10	44.23	39.01	56.95	46.95	-12.72	-7.94	Pass
0.4540	42.62	37.76	0.10	42.72	37.86	56.80	46.80	-14.08	-8.94	Pass
0.4620	41.16	36.59	0.10	41.26	36.69	56.66	46.66	-15.40	-9.97	Pass
2.4220	44.82	38.33	0.16	44.98	38.49	56.00	46.00	-11.02	-7.51	Pass

Note: 1. Correction factor = LISN loss + Cable loss.

Test Mode:	Mode 1	Temp/Hum	19.9(℃)/ 58%RH
Phase:	Neutral	Test Date	February 9, 2022
Test Voltage:	120Vac, 60Hz	Test Engineer	Jack Chen



Frequency (MHz)	Quasi Peak reading dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.4340	37.37	28.19	0.10	37.47	28.29	57.18	47.18	-19.71	-18.89	Pass
0.4580	38.01	27.54	0.10	38.11	27.64	56.73	46.73	-18.62	-19.09	Pass
2.4180	41.83	34.54	0.16	41.99	34.70	56.00	46.00	-14.01	-11.30	Pass
2.4740	36.68	18.65	0.16	36.84	18.81	56.00	46.00	-19.16	-27.19	Pass
3.0260	35.13	26.73	0.18	35.31	26.91	56.00	46.00	-20.69	-19.09	Pass
9.8580	40.29	31.40	0.34	40.63	31.74	60.00	50.00	-19.37	-18.26	Pass

Note: 1. Correction factor = LISN loss + Cable loss.

4.2 6dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

4.2.1 Test Limit

According to §15.247(a)(2),

6 dB Bandwidth ：

Limit	Shall be at least 500kHz

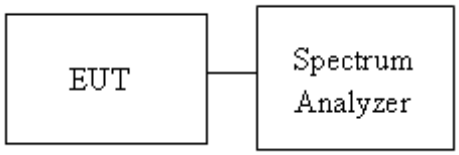
Occupied Bandwidth(99%) ： For reporting purposes only.

4.2.2 Test Procedure

Test method Refer as ANSI C63.10: 2013,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 100kHz, VBW = 300kHz and Detector = Peak, to measurement 6 dB Bandwidth.
4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

4.2.3 Test Setup



4.2.4 Test Result

BFM OFF

Temperature: 16.5 ~ 23.6℃ **Test date:** February 10 ~ March 7, 2022

Humidity: 53 ~ 68% RH **Tested by:** Jack Chen

Test mode: IEEE 802.11b mode / 2412-2462 MHz						
Channel	**Frequency (MHz)**	**Chain 0 OBW(99%) (MHz)**	**Chain 1 OBW(99%) (MHz)**	**Chain 0 6dB BW (kHz)**	**Chain 1 6dB BW (kHz)**	**6dB limit (kHz)**
1	2412	**12.868**	12.876	**8099.00**	8105.00	≥500
6	2437	12.773	12.783	8087.00	8092.00	
11	2462	12.834	**12.933**	8074.00	**8106.00**	

Test mode: IEEE 802.11g mode / 2412-2462 MHz						
Channel	**Frequency (MHz)**	**Chain 0 OBW(99%) (MHz)**	**Chain 1 OBW(99%) (MHz)**	**Chain 0 6dB BW (kHz)**	**Chain 1 6dB BW (kHz)**	**6dB limit (kHz)**
1	2412	16.675	16.488	15150.00	15140.00	≥500
6	2437	**16.715**	**16.533**	15140.00	**15150.00**	
11	2462	16.682	16.480	**15340.00**	**15150.00**	

Test mode: IEEE 802.11 ac (VHT20) MHz mode / 2412-2462 MHz						
Channel	**Frequency (MHz)**	**Chain 0 OBW(99%) (MHz)**	**Chain 1 OBW(99%) (MHz)**	**Chain 0 6dB BW (kHz)**	**Chain 1 6dB BW (kHz)**	**6dB limit (kHz)**
1	2412	**17.708**	17.592	**15150.00**	**15740.00**	≥500
6	2437	17.698	17.582	**15150.00**	**15740.00**	
11	2462	17.654	**17.596**	15140.00	15720.00	

Test mode: IEEE 802.11 ac (VHT40) MHz mode / 2422-2452 MHz						
Channel	**Frequency (MHz)**	**Chain 0 OBW(99%) (MHz)**	**Chain 1 OBW(99%) (MHz)**	**Chain 0 6dB BW (kHz)**	**Chain 1 6dB BW (kHz)**	**6dB limit (kHz)**
3	2422	36.045	35.934	**35150.00**	35140.00	≥500
6	2437	**36.051**	35.939	**35150.00**	35130.00	
9	2452	35.988	**35.957**	**35150.00**	**35150.00**	

Test mode: IEEE 802.11 ax (HE20) MHz mode / 2412-2462 MHz							
Channel	**Frequency (MHz)**	**RU Config**	**Chain 0 OBW(99%) (MHz)**	**Chain 1 OBW(99%) (MHz)**	**Chain 0 6dB BW (kHz)**	**Chain 1 6dB BW (kHz)**	**6dB limit (kHz)**
1	2412	full	19.050	19.016	**18630.00**	**18840.00**	≥500
6	2437	full	19.043	19.021	18460.00	18600.00	
11	2462	full	**19.070**	19.031	18580.00	18540.00	

Test mode: IEEE 802.11 ax (HE40) MHz mode / 2422-2452 MHz							
Channel	**Frequency (MHz)**	**RU Config**	**Chain 0 OBW(99%) (MHz)**	**Chain 1 OBW(99%) (MHz)**	**Chain 0 6dB BW (kHz)**	**Chain 1 6dB BW (kHz)**	**6dB limit (kHz)**
3	2422	full	**37.589**	37.543	37320.00	36250.00	≥500
6	2437	full	37.574	37.584	37360.00	36620.00	
9	2452	full	37.548	37.562	**37470.00**	**36910.00**	

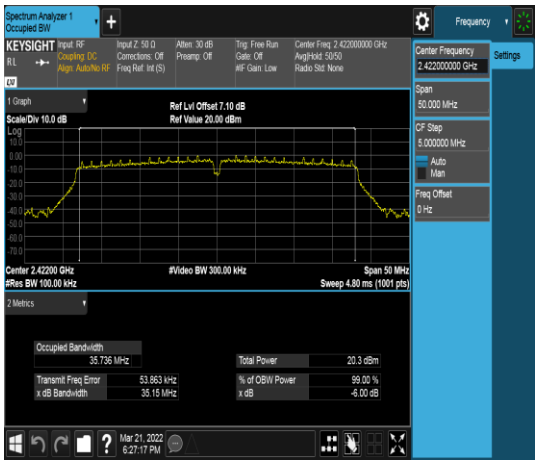
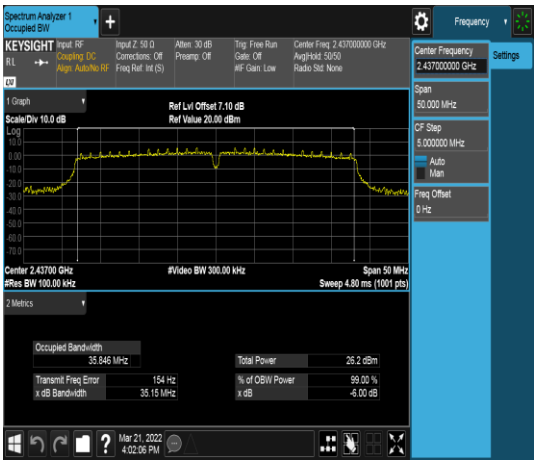
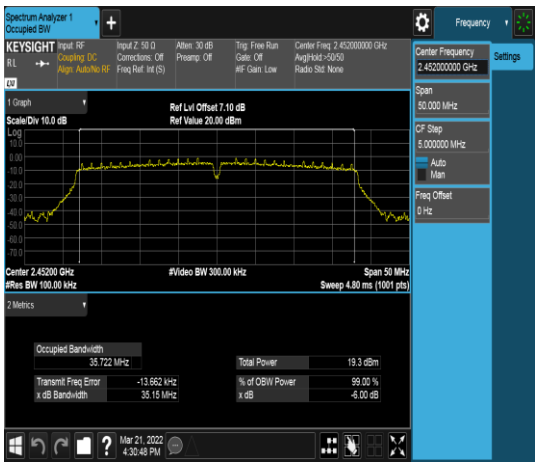
Test Data

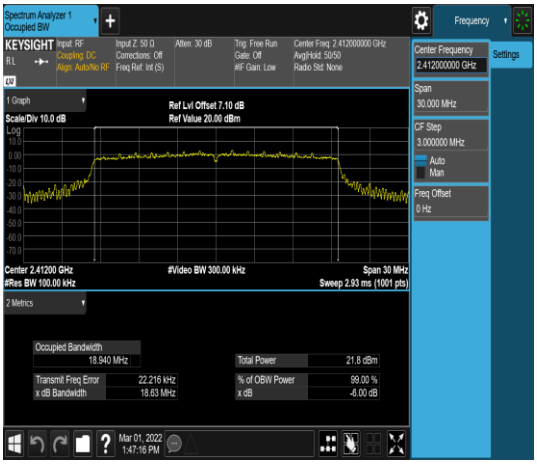
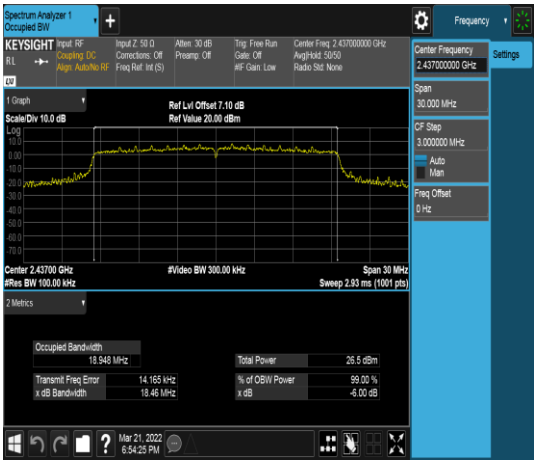
6dB BANDWIDTH

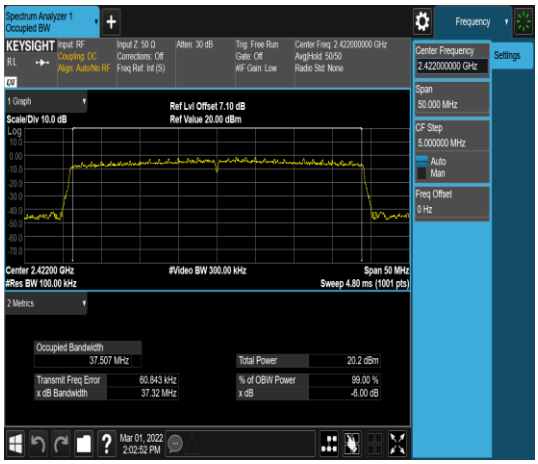
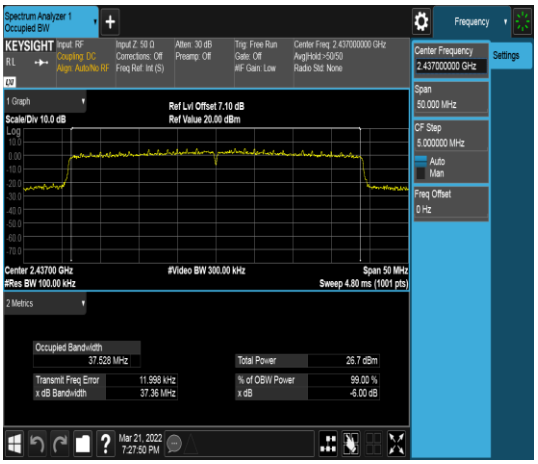
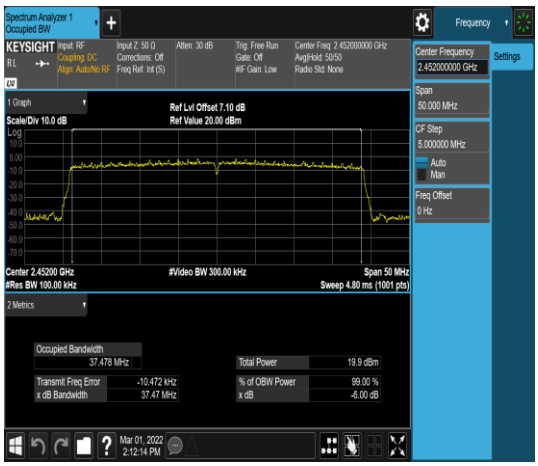
IEEE 802.11b mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11g mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ac (VHT20) mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

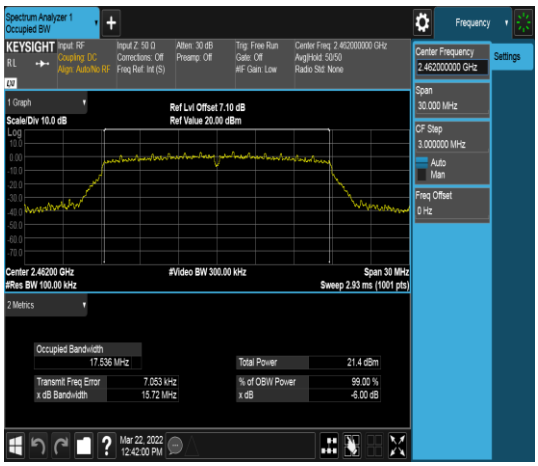
IEEE 802.11 ac (VHT40) mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

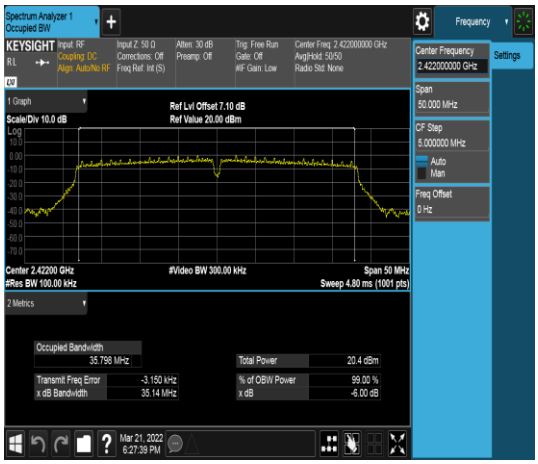
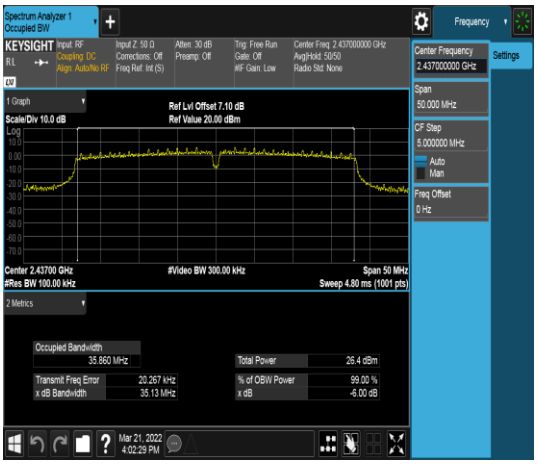
IEEE 802.11 ax (HE20) mode- chain 0	
Low CH full	**Mid CH full**
	
High CH full	
	

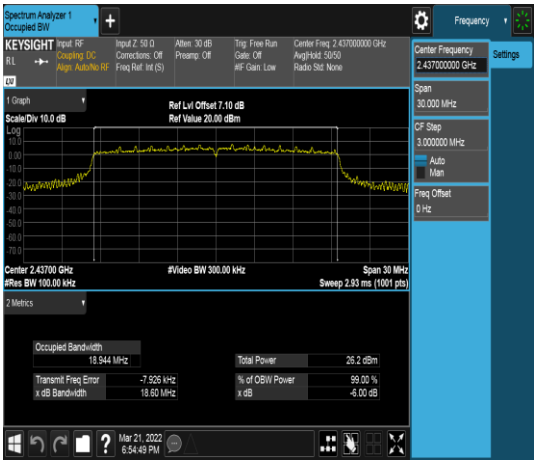
IEEE 802.11 ax (HE40) mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

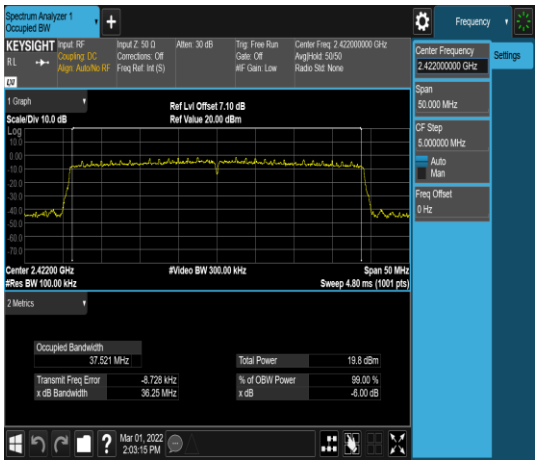
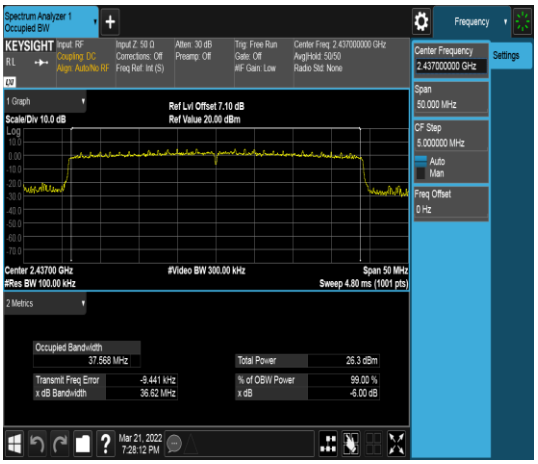
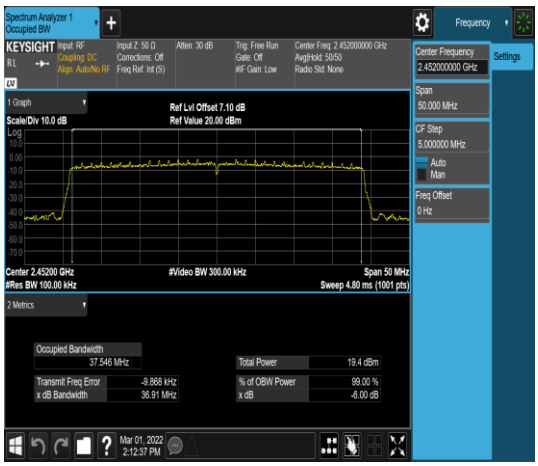
IEEE 802.11b mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11g mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ac (VHT20) mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ac (VHT40) mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ax (HE20) mode- chain 1	
Low CH full	**Mid CH full**
	
High CH full	
	

IEEE 802.11 ax (HE40) mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

Test Data

BANDWIDTH 99%

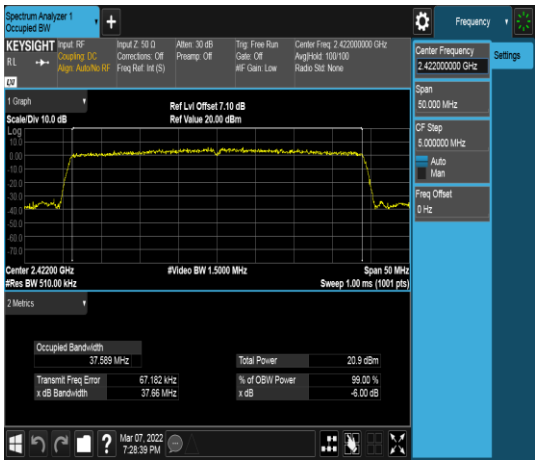
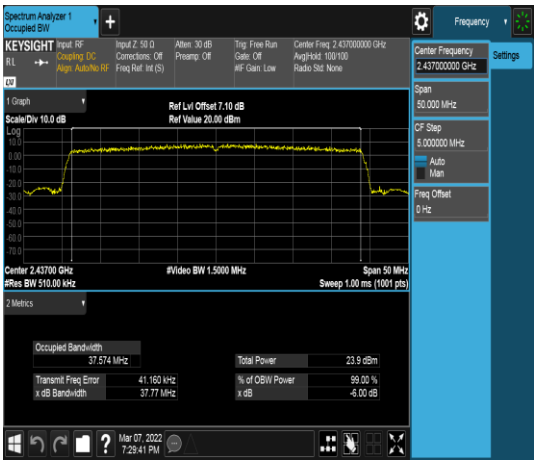
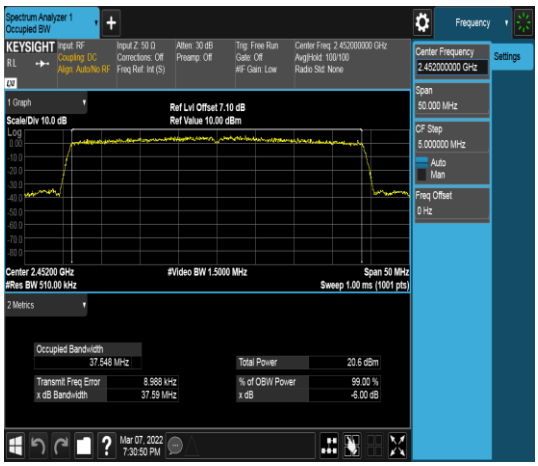
IEEE 802.11b mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11g mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ac (VHT20) mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ac (VHT40) mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11 ax (HE20) mode- chain 0	
Low CH full	**Mid CH full**
	
High CH full	
	

IEEE 802.11 ax (HE40) mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11b mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

IEEE 802.11g mode- chain 1	
Low CH	**Mid CH**
	
High CH