RADIO TEST REPORT
FCC 47 CFR PART 15 SUBPART C

Test Standard	**FCC Part 15.247**
Product name	**Yushan X-ray Flat Panel Detector**
Brand Name	**INCX**
Model No.	**V17C, V14C, V14G, V17G, F14C, F14G**
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:

Shawn Wu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。
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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	December 29, 2022	Initial Issue	ALL	Doris Chu

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

<table>
<tr><td>Applicant</td><td colspan="6">InnoCare Optoelectronics Corp.
Rm. B, No. 2, Sec. 2, Huanxi Rd., Southern Taiwan Science Park, Xinshi Dist., Tainan, 741 Taiwan</td></tr>
<tr><td>Manufacturer</td><td colspan="6">InnoCare Optoelectronics Corp.
Rm. B, No. 2, Sec. 2, Huanxi Rd., Southern Taiwan Science Park, Xinshi Dist., Tainan City 741, Taiwan, R.O.C.</td></tr>
<tr><td>Equipment</td><td colspan="6">Yushan X-ray Flat Panel Detector</td></tr>
<tr><td>Model Name</td><td colspan="6">V17C, V14C, V14G, V17G, F14C, F14G</td></tr>
<tr><td rowspan="7">Model Discrepancy</td><td colspan="2">Model</td><td>PCBA X-Board</td><td>ROIC</td><td>Scintillator</td><td>Other</td></tr>
<tr><td>Main</td><td>V17C</td><td rowspan="6">different size</td><td>12</td><td>CsI</td><td rowspan="6">Marketing Differences</td></tr>
<tr><td rowspan="5">Series</td><td>V17G</td><td>12</td><td>GOS</td></tr>
<tr><td>V14C</td><td>10</td><td>CsI</td></tr>
<tr><td>V14G</td><td>10</td><td>GOS</td></tr>
<tr><td>F14C</td><td>10</td><td>CsI</td></tr>
<tr><td>F14G</td><td>10</td><td>GOS</td></tr>
<tr><td>Brand Name</td><td colspan="6">INCX</td></tr>
<tr><td>Received Date</td><td colspan="6">November 2, 2022</td></tr>
<tr><td>Date of Test</td><td colspan="6">November 10 ~ 22, 2022</td></tr>
<tr><td>Power Supply</td><td colspan="6">1. Power from Power Adapter.
Mean well / GSM60A24-P1L
I/P: 100-240VAC, 1.4-0.7A, 50-60Hz
O/P: 24VDC, 2.5A, 60W MAX.
2. Power from Battery.
11.4VDC, 4231mAh or 4129mAh/48Wh</td></tr>
<tr><td>HW Version</td><td colspan="6">V06</td></tr>
<tr><td>SW Version</td><td colspan="6">v111.253</td></tr>
</table>

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.
3. Disclaimer: The variant trademarks are assessed as identical in hardware and software to each other, hence all variants are fully covered by the test results in this test report without further verification test.

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1.2 EUT CHANNEL INFORMATION

Frequency Range	802.11b/g/n HT20 / ac VHT20 / ax HE20: 2412MHz ~ 2462MHz 802.11n HT40 / ac VHT40 / ax HE40: 2422MHz ~ 2452MHz
Modulation Type	1. IEEE 802.11b mode: CCK 2. IEEE 802.11g mode: OFDM 3. IEEE 802.11n HT 20 Mode: OFDM 4. IEEE 802.11n HT 40 MHz mode: OFDM 5. IEEE 802.11ac VHT 20 Mode: OFDM 6. IEEE 802.11ac VHT 40 MHz mode: OFDM 7. IEEE 802.11ax HE20 MHz mode: OFDMA 8. IEEE 802.11ax HE40 MHz mode: OFDMA
Number of channels	1. IEEE 802.11b mode: 11 Channels 2. IEEE 802.11g mode: 11 Channels 3. IEEE 802.11n HT 20 Mode : 11 Channels 4. IEEE 802.11n HT 40 MHz mode: 7 Channels 5. IEEE 802.11ac VHT 20 Mode: 11 Channels 6. IEEE 802.11ac VHT 40 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 and RSS-GEN Table 1 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

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1.3 ANTENNA INFORMATION

Antenna Specification	☐ PIFA ☒ PCB ☐ Dipole ☐ Coils
Antenna Gain	Chain 0: Gain: -1.84 dBi Chain 1: Gan: -0.68 dBi Direction Gain: 1.77 dBi
Antenna connector	I-PEX

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
Channel Bandwidth	± 2.1863
RF output power (Power Meter + Power sensor)	± 1.2688
Power Spectral density	± 2.1855
Conducted Bandedge	± 2.1866
Conducted Spurious Emission	± 2.1859
Radiated Emission_9kHz-30MHz	± 3.814
Radiated Emission_30MHz-200MHz	± 4.272
Radiated Emission_200MHz-1GHz	± 4.619
Radiated Emission_1GHz-6GHz	± 5.522
Radiated Emission_6GHz-18GHz	± 5.228
Radiated Emission_18GHz-26GHz	± 4.089
Radiated Emission_26GHz-40GHz	± 4.019

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.

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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.

☐ No. 12, Ln. 116, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan 24803

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Tony Chao	-
Radiation	Ray Li, Tony Chao	-
RF Conducted	David Li	-

Remark: The lab has been recognized as the FCC accredited lab. 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.

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1.6 INSTRUMENT CALIBRATION

RF Conducted Test Site					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Power Meter	Anritsu	ML2496A	2136002	2021-12-06	2022-12-05
EXA Signal Analyzer	Keysight	N9010B	MY60242460	2022-01-30	2023-01-29
Power Sensor	Anritsu	MA2411B	1911386	2022-08-08	2023-08-07
Power Sensor	Anritsu	MA2411B	1911387	2022-08-08	2023-08-07
Software	Radio Test Software Ver. 21				

3M 966 Chamber Test Site					
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
K-Type Cable	Huber+Suhner	SUCOFLEX 102	29406/2	2021-12-05	2022-12-04
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2022-08-03	2023-08-02
Spectrum Analyzer	Agilent	E4446A	MY46180323	2021-12-06	2022-12-05
Thermo-Hygro Meter	WISEWIND	1206	D07	2021-12-28	2022-12-27
Loop Antenna	COM-POWER	AL-130	121051	2022-04-13	2023-04-12
Coaxial Cable	EMCI	EMC101G- KM-KM-500	211041	2021-12-23	2022-12-22
Coaxial Cable	EMC	EMC101G-KM-KM-9000	211042	2021-12-23	2022-12-22
Horn Antenna	ETS LINDGREN	3116	00026370	2021-11-30	2022-11-29
Cable	Woken	J-1099	201709090004	2021-12-23	2022-12-22
Preamplifier	EMEC	EM330	060609	2022-02-23	2023-02-22
Preamplifier	HP	8449B	3008A00965	2021-12-24	2022-12-23
Band Reject Filter	MICRO TRONICS	BRM 50702	112	2021-11-23	2022-11-22
Cable	Huber+Suhner	104PEA	20995+11112+182330	2022-02-23	2023-02-22
Coaxial Cable	EMCI	EMC105	190914+33953	2022-06-15	2023-06-14
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2022-01-25	2023-01-24
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 210616				

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

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AC Conducted Emissions Test Site					
Equipment	**Manufacturer**	**Model**	**S/N**	**Cal Date**	**Cal Due**
CABLE	EMCI	CFD300-NL	CERF	2022-06-27	2023-06-26
EMI Test Receiver	R&S	ESCI	100064	2022-06-17	2023-06-16
LISN	SCHAFFNER	NNB 41	03/10013	2022-02-15	2023-02-14
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.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment						
No.	**Equipment**	**Brand**	**Model**	**Series No.**	**FCC ID**	**IC**
	N/A					

Support Equipment						
No.	**Equipment**	**Brand**	**Model**	**Series No.**	**FCC ID**	**IC**
1	NB(E)	Lenovo	T460	N/A	N/A	N/A

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.

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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

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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 mode: MCS0 IEEE 802.11ac VHT40 mode: MCS0 IEEE 802.11ax HE20 MHz mode: MCS0 IEEE 802.11ax HE40 MHz mode: MCS0
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 802.11ac VHT40 mode: 2T2R IEEE 802.11ax HE20 mode: 2T2R IEEE 802.11ax HE40 mode: 2T2R

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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 802.11ac 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 802.11ac 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

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/ n HT20 / ax HE20 / n HT40 / ax HE40 mode, per pre-test, MIMO 2TX mode was the worst and reported.
3.The mode IEEE 802.11ac VHT20 and VHT40 are only different in control messages with IEEE 802.11n 20 MHz and HT40, and have same power setting. Therefore, the highest power(IEEE 802.11n 20 MHz and HT40) were test conducted and radiated measurement and recorded in this report.

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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 (14inch) Mode 1: EUT power by Adapter (17inch)
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 (14inch) Mode 1: EUT power by Adapter (17inch)
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 (14inch) Mode 1: EUT power by Adapter (17inch)
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.

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3.3 EUT DUTY CYCLE

Temperature: 24.2 ~ 25.2℃ **Test date:** November 10 ~ 11, 2022

Humidity: 57 ~ 59% RH **Tested by:** David Li

Duty Cycle				
Configuration	Duty Cycle (%)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b	99.90	0.00	0.12	0.01
802.11g	99.42	0.03	0.74	0.01
802.11n HT20	98.80	0.05	1.52	0.01
802.11n HT40	97.98	0.09	2.94	3.00
802.11ac VHT20	99.38	0.03	0.78	0.01
802.11ac VHT40	98.76	0.05	1.57	0.01
802.11ax HE20	99.20	0.03	1.01	0.01
802.11ax HE40	98.67	0.06	1.92	0.01

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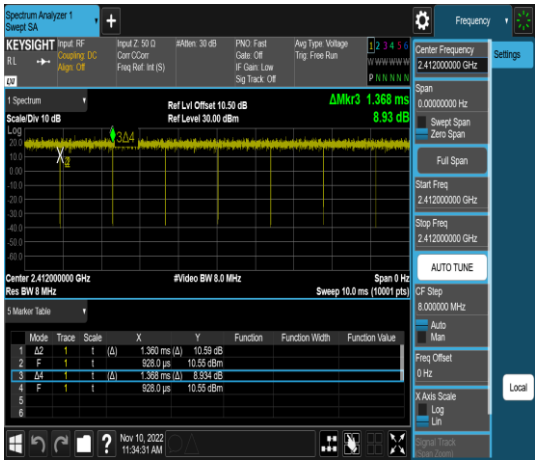
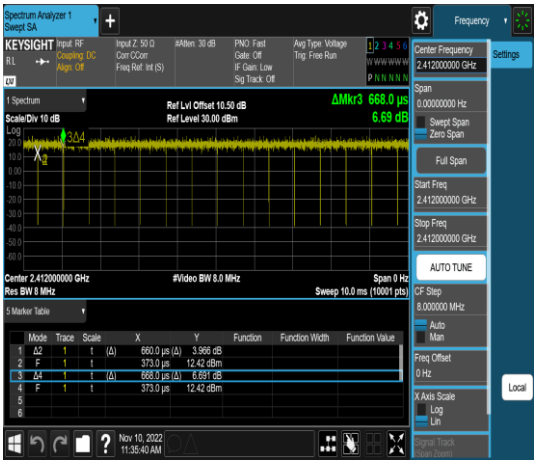
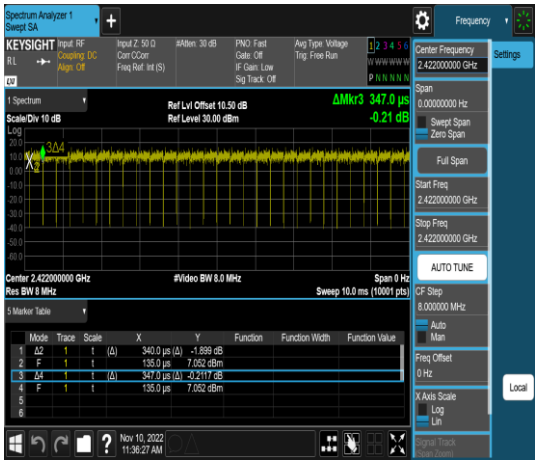
802.11b	802.11g
	
802.11n HT20	**802.11n HT40**
	

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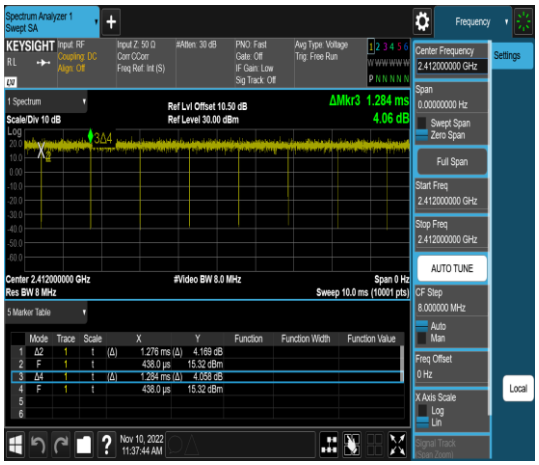
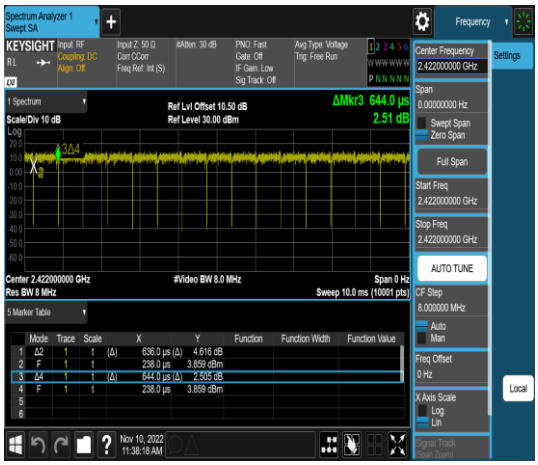
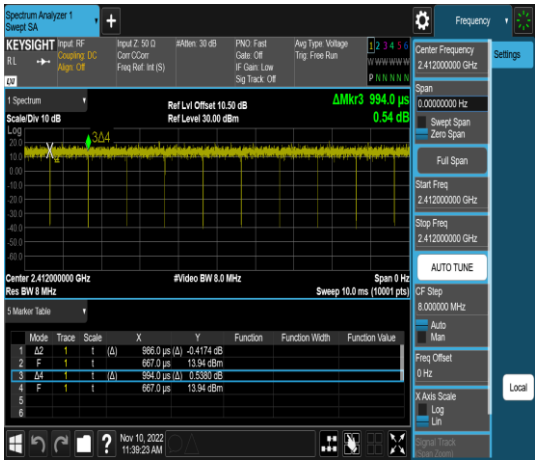
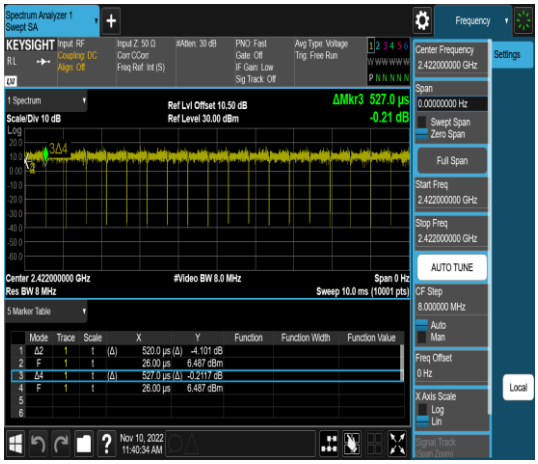
802.11ac VHT20	802.11ac VHT40
	
802.11ax HE20	802.11ax HE40
	

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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

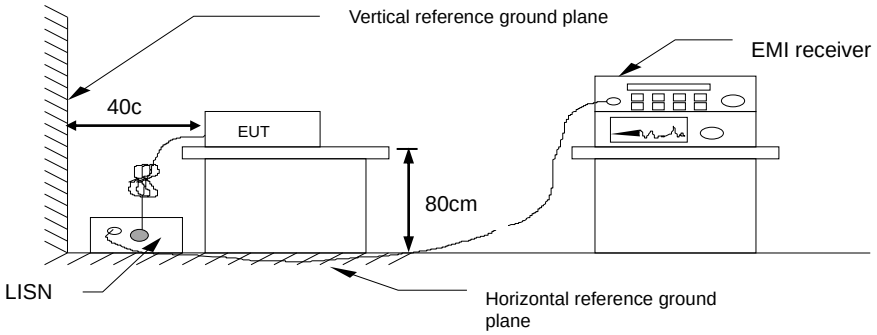
* Decreases with the logarithm of the frequency.

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.

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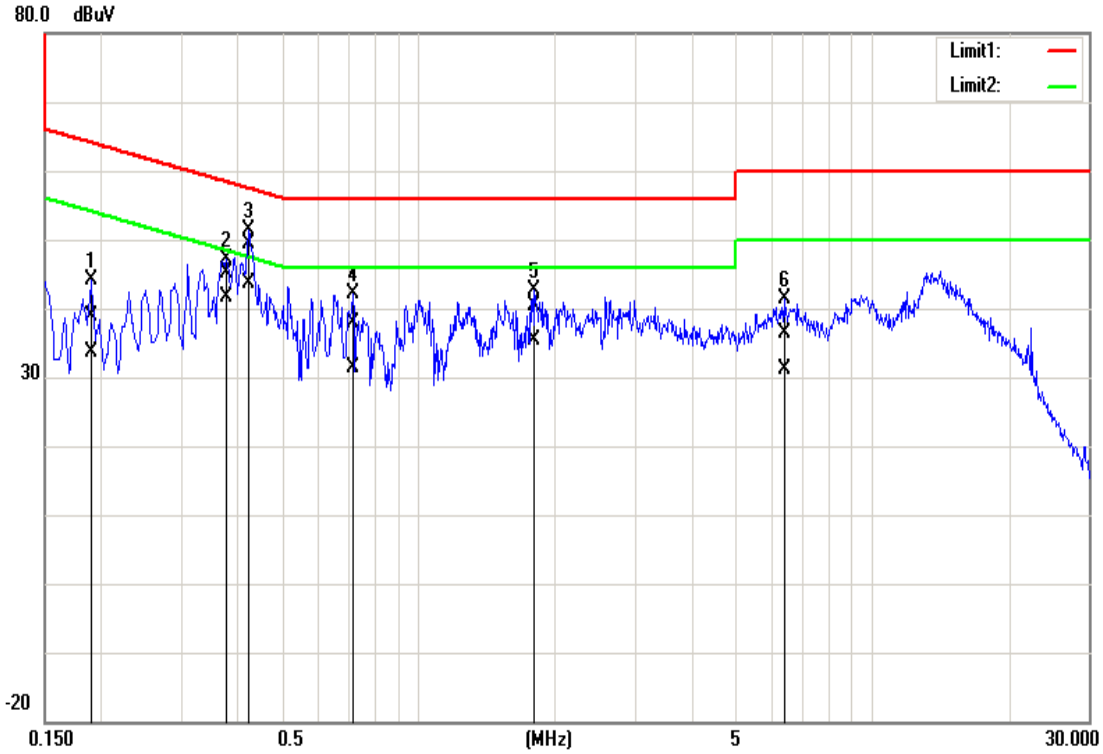
Test Data

Test Mode:	Mode 1	Temp/Hum	24.5(℃) / 58%RH
Phase:	Line	Test Date	November 22, 2022
		Test Engineer	Tony Chao



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
0.1900	28.69	23.45	10.18	38.87	33.63	64.04	54.04	-25.17	-20.41	Pass
0.3780	34.84	31.34	10.19	45.03	41.53	58.32	48.32	-13.29	-6.79	Pass
0.4220	39.27	33.56	10.19	49.46	43.75	57.41	47.41	-7.95	-3.66	Pass
0.7180	27.66	21.28	10.21	37.87	31.49	56.00	46.00	-18.13	-14.51	Pass
1.8060	30.07	25.08	10.25	40.32	35.33	56.00	46.00	-15.68	-10.67	Pass
6.4100	26.10	20.81	10.32	36.42	31.13	60.00	50.00	-23.58	-18.87	Pass

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

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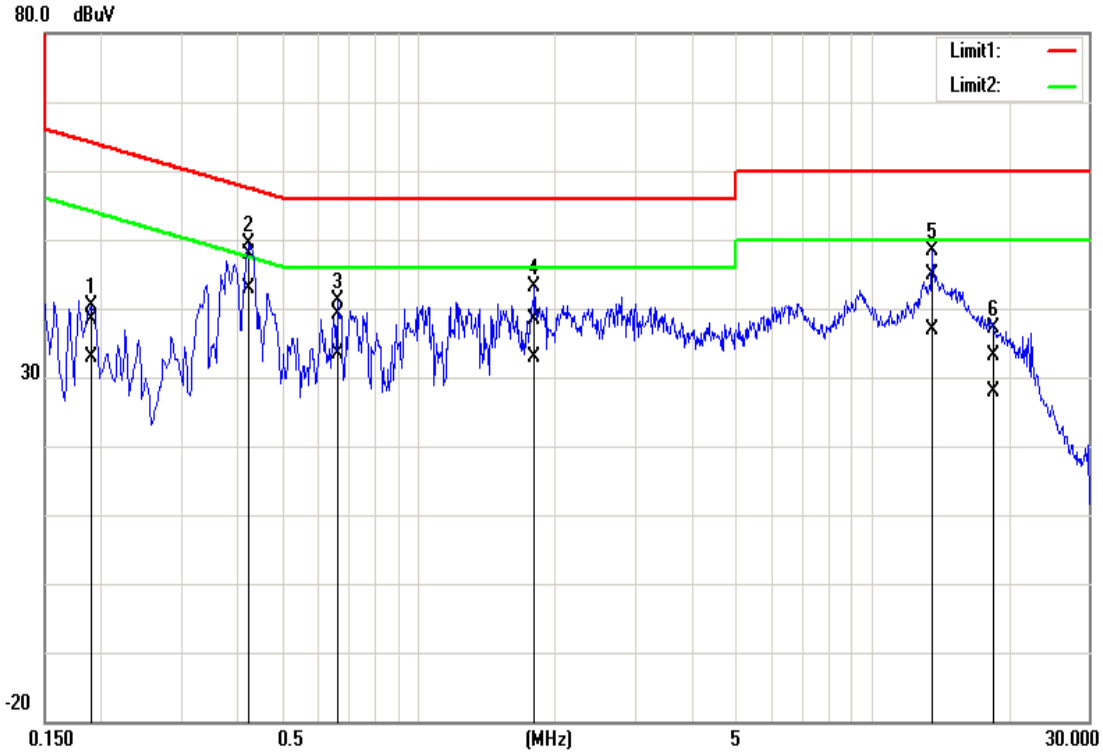
Test Mode:	Mode 1	Temp/Hum	24.5(℃) / 58%RH
Phase:	Neutral	Test Date	November 22, 2022
		Test Engineer	Tony Chao



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
0.1900	28.30	22.61	10.17	38.47	32.78	64.04	54.04	-25.57	-21.26	Pass
0.4220	37.71	32.61	10.18	47.89	42.79	57.41	47.41	-9.52	-4.62	Pass
0.6620	28.87	23.30	10.18	39.05	33.48	56.00	46.00	-16.95	-12.52	Pass
1.8020	28.22	22.55	10.23	38.45	32.78	56.00	46.00	-17.55	-13.22	Pass
13.5620	34.41	26.60	10.37	44.78	36.97	60.00	50.00	-15.22	-13.03	Pass
18.5780	22.83	17.38	10.40	33.23	27.78	60.00	50.00	-26.77	-22.22	Pass

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

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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

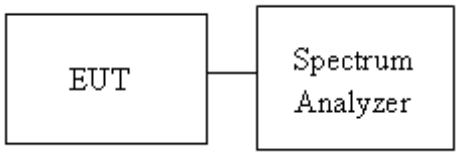
Occupied Bandwidth(99%) ： For reporting purposes only.

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



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4.2.4 Test Result

Temperature:	24.2 ~ 25.2℃	**Test date:**	November 10 ~ 11, 2022
Humidity:	57 ~ 59% RH	**Tested by:**	David Li

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)**
Low	2412	14.819	14.864	11090.00	10150.00	≥500
Mid	2437	14.812	14.885	10150.00	10170.00	
High	2462	**14.856**	**14.927**	**11110.00**	**11110.00**	

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)**
Low	2412	**16.401**	16.320	**16320.00**	15970.00	≥500
Mid	2437	16.396	16.326	16310.00	15770.00	
High	2462	16.396	**16.347**	16310.00	**16350.00**	

Test mode: IEEE 802.11n HT 20 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)**
Low	2412	**17.515**	17.505	17120.00	16980.00	≥500
Mid	2437	**17.515**	17.501	**17300.00**	16960.00	
High	2462	17.509	**17.530**	17080.00	**17570.00**	

Test mode: IEEE 802.11n HT 40 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)**
Low	2412	**36.229**	36.026	**36120.00**	35750.00	≥500
Mid	2437	36.215	36.065	36060.00	35750.00	
High	2462	36.223	**36.163**	35810.00	**35790.00**	

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Test mode: IEEE 802.11ax 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)**
Low	2412	full	18.892	18.888	18300.00	18260.00	≥500
Mid	2437	full	18.901	18.883	18510.00	17800.00	
High	2462	full	18.904	**18.914**	**18680.00**	**18280.00**	

Test mode: IEEE 802.11ax 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)**
Low	2422	full	37.712	37.503	37970.00	36520.00	≥500
Mid	2437	full	**37.749**	37.711	**38010.00**	**37990.00**	
High	2452	full	37.700	37.672	37620.00	36610.00	

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Test Data

6dB BANDWIDTH

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

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

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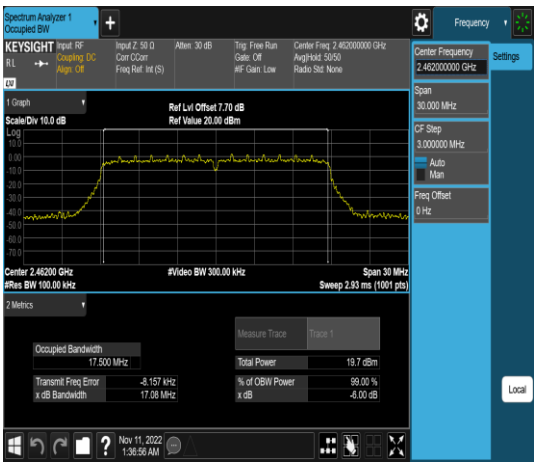
IEEE 802.11n HT20 mode- chain 0	
Low CH	**Mid CH**
High CH	
	

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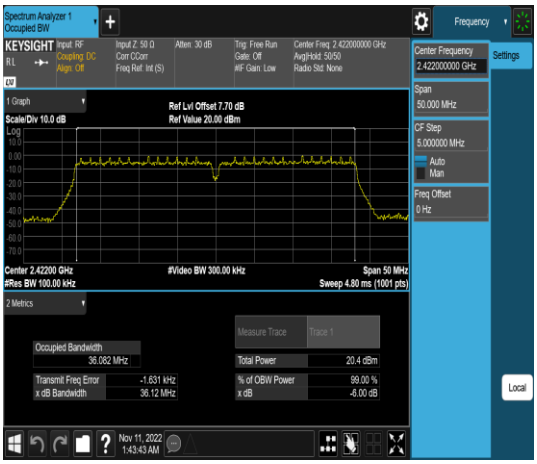
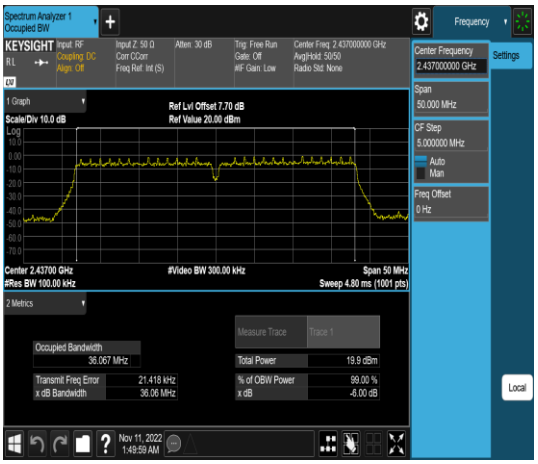
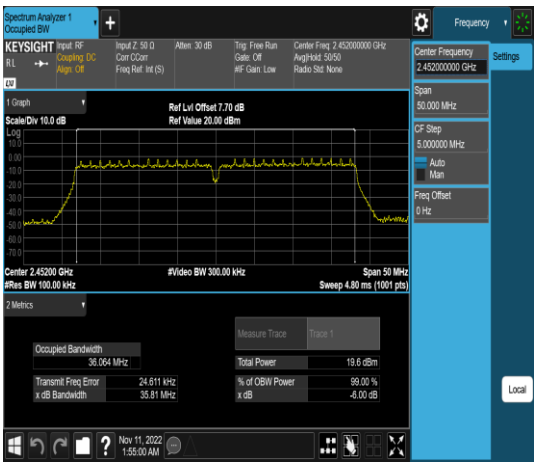
IEEE 802.11n HT40 mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

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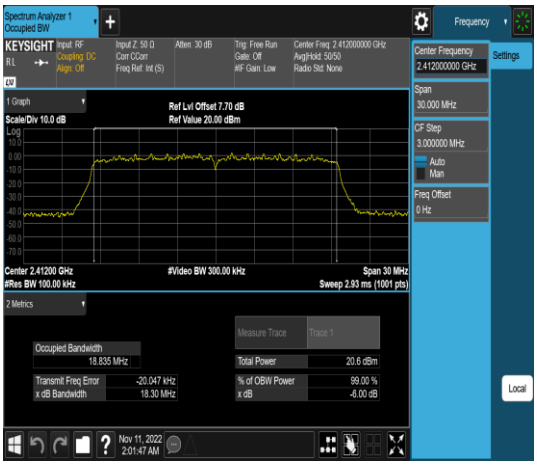
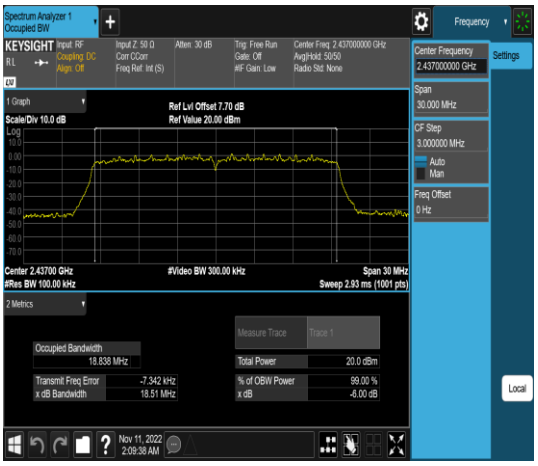
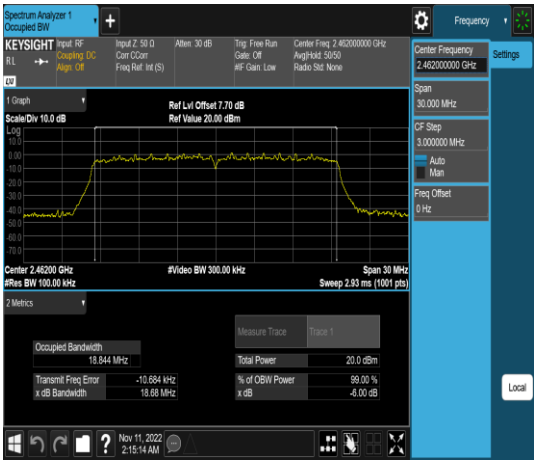
IEEE 802.11ax HE20 mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

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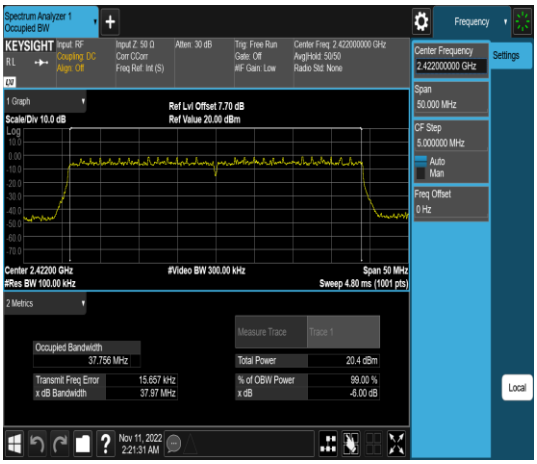
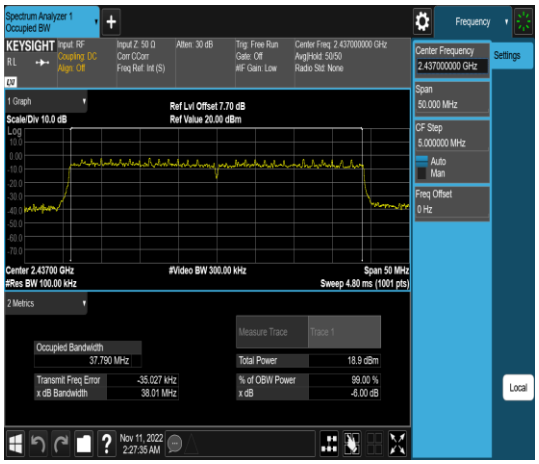
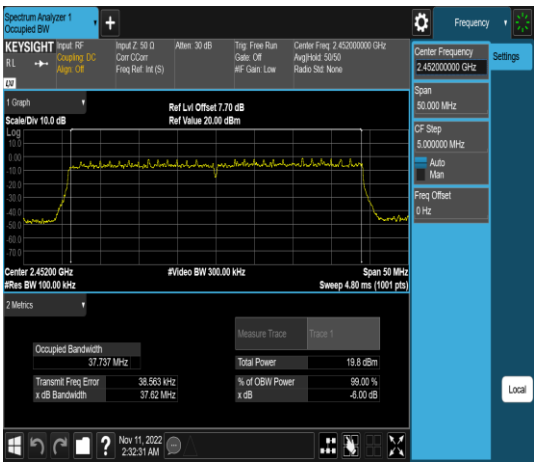
IEEE 802.11ax HE40 mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

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

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

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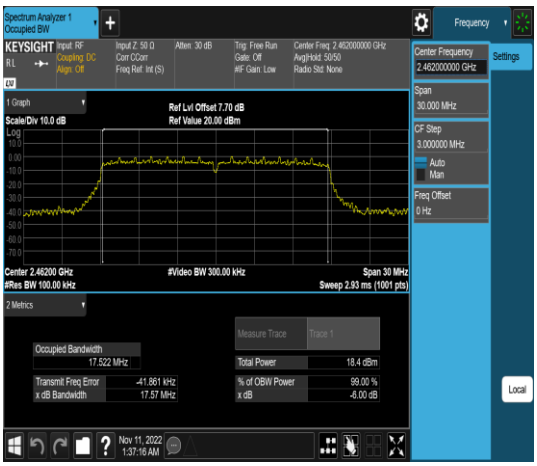
IEEE 802.11n HT20 mode- chain 1	
Low CH	**Mid CH**
High CH	
	

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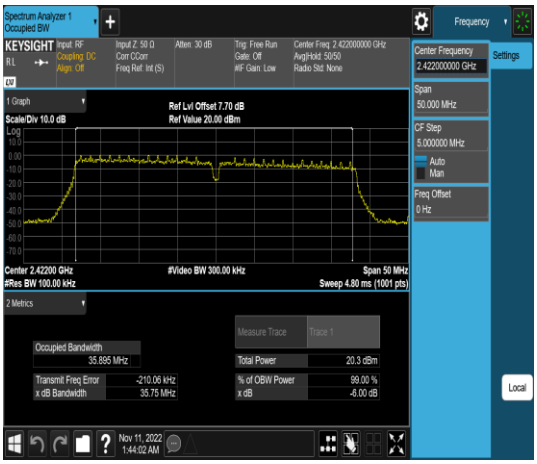
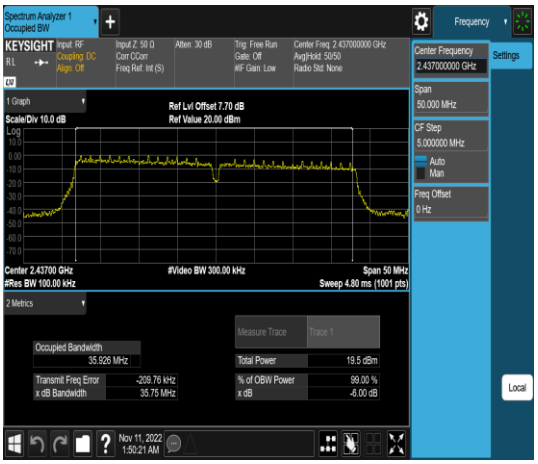
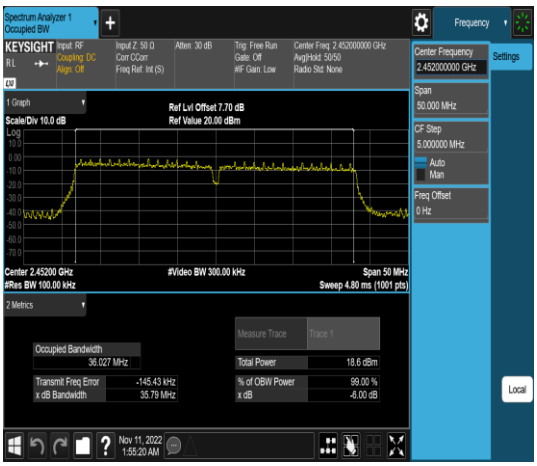
IEEE 802.11n HT40 mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

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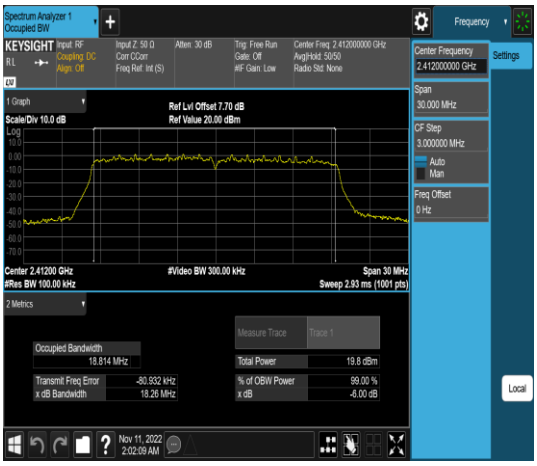
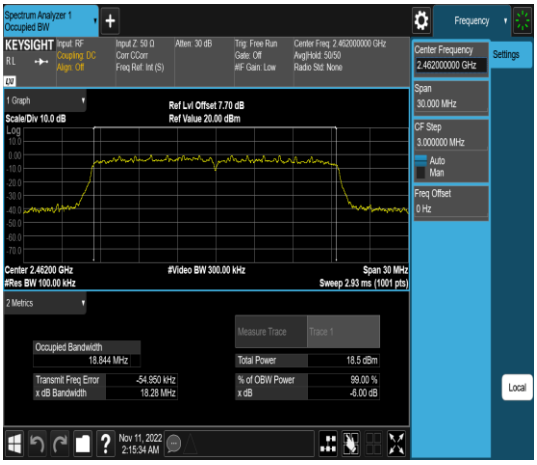
IEEE 802.11ax HE20 mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

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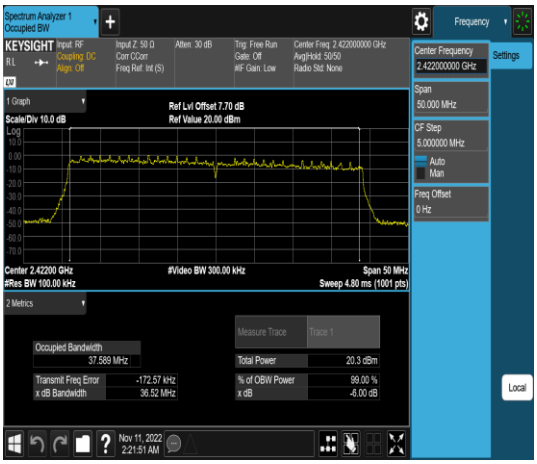
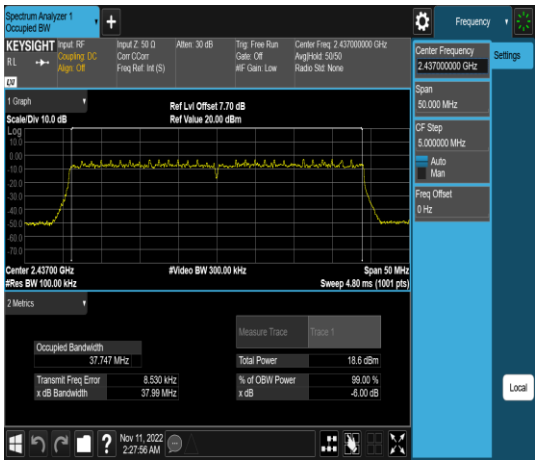
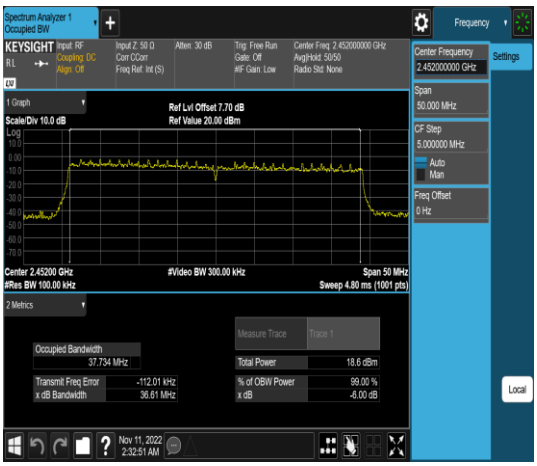
IEEE 802.11ax HE40 mode- chain 1	
Low CH	**Mid CH**
	
High CH	
	

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Test Data

BANDWIDTH 99%

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

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

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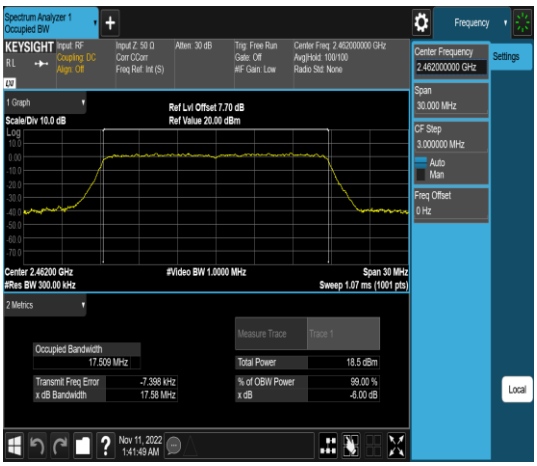
IEEE 802.11n HT20 mode- chain 0	
Low CH	**Mid CH**
High CH	
	

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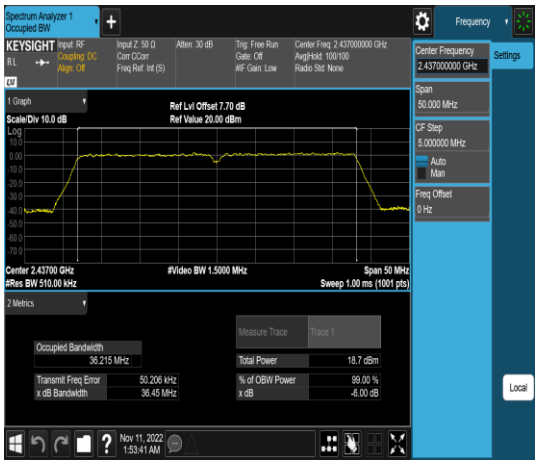
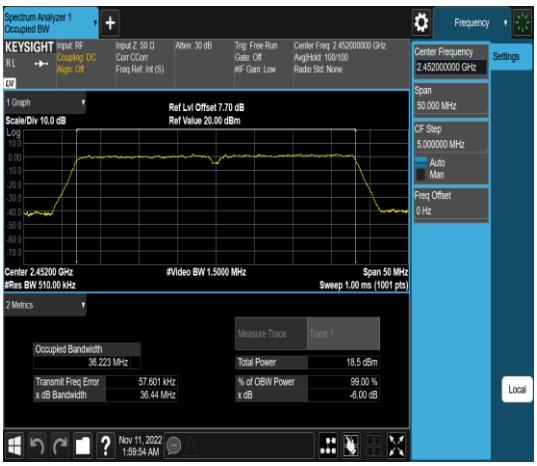
IEEE 802.11n HT40 mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

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

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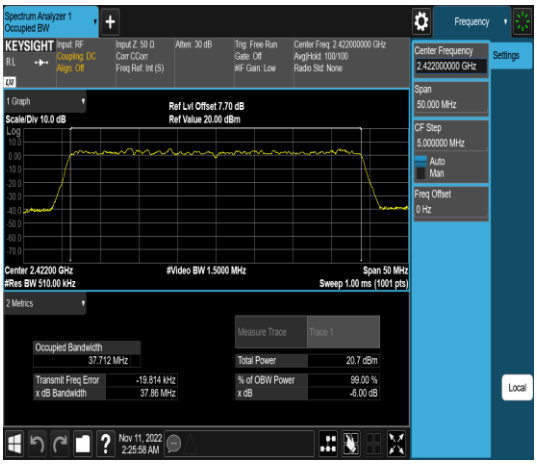
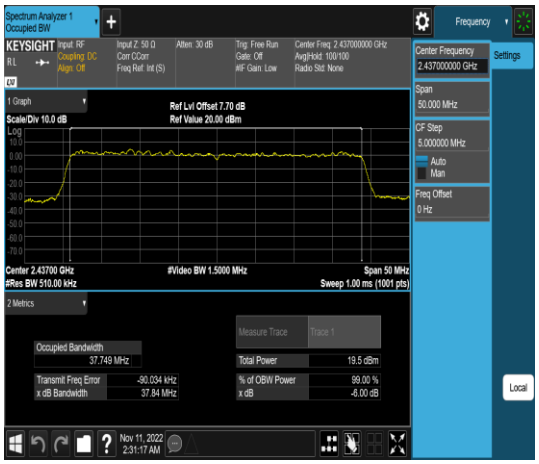
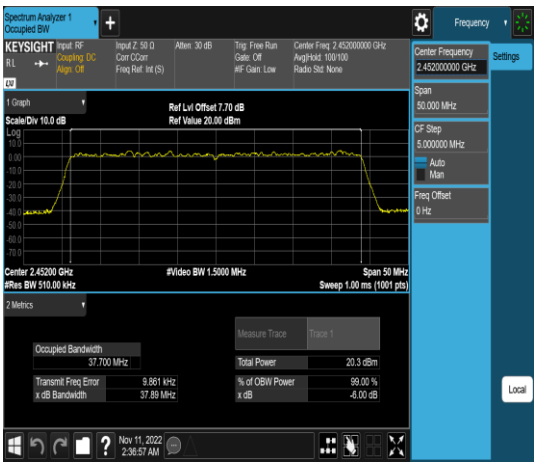
IEEE 802.11ax HE40 mode- chain 0	
Low CH	**Mid CH**
	
High CH	
	

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

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