

TEST REPORT

Applicant: TOUCH DYNAMIC INC.
Address: 121 Corporate Blvd, South Plainfield, NJ 07080, USA
Equipment Type: QuestGamingTablet
Model Name: QuestGamingTablet
Brand Name: TOUCH_DYNAMIC
FCC ID: 2BMQJ-QUESTBINGO10
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: Sep. 19, 2024
Test Date: Sep. 20, 2024 - Oct. 12, 2024
Date of Issue: Jan. 15, 2025

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Tested by: Hai Su

Checked by: Zhang Yanqing

Approved by: Chen Zidong
(Technical Director)

Hai Su

Zhang Yanqing

Chen Zidong

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jan. 15, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1st to 2nd floors, Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1st to 2nd floors, Building 1, No. 222 Xuanlan Road, Xuanqiao Town, Pudong New District, Shanghai
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	TOUCH DYNAMIC INC.
Address	121 Corporate Blvd, South Plainfield, NJ 07080, USA

2.2 Manufacturer Information

Manufacturer	TOUCH DYNAMIC INC.
Address	121 Corporate Blvd, South Plainfield, NJ 07080, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	QuestGamingTablet
Model Name Under Test	QuestGamingTablet
Series Model Name	N/A
Description of Model name differentiation	N/A
Sample Number	SC-SH2490028-S06 SC-SH2490028-S10
Hardware Version	V1.0
Software Version	S0461_TOUCH_DYNAMIC_COMBO_20240821
Dimensions (Approx.)	L:332.9mm W:180.9mm H:21.2mm
Weight (Approx.)	1.23kg

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 2.4G:11b,11g,11n(HT20/40),11ax(HE20/40) WIFI 5G:11a,11n(HT20/40), 11ac(VHT20/40/80/160),11ax(HE20/40/80/160) WIFI 6G:11ax(HE20/40/80/160) U-NII-5/6/7/8
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-5: 5925 MHz to 6425 MHz U-NII-6: 6425 MHz to 6525 MHz U-NII-7: 6525 MHz to 6875 MHz U-NII-8: 6875 MHz to 7125 MHz
Modulation technology	OFDM, OFDMA
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11ax up to 1021 Mbps
Channel Bandwidth	802.11ax: 20 MHz, 40 MHz, 80 MHz, 160MHz
Maximum Output Power	U-NII-5: 17.53 dBm U-NII-6: 17.37 dBm U-NII-7: 17.63 dBm U-NII-8: 17.40 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-5: 5925 MHz to 6425 MHz: 3 dBi U-NII-6: 6425 MHz to 6525 MHz: 3 dBi U-NII-7: 6525 MHz to 6875 MHz: 3 dBi U-NII-8: 6875 MHz to 7125 MHz: 3 dBi
About the Product	The equipment is QuestGamingTablet, intended for used with information technology equipment.

2.5 Channel List

U-NII-5/6/7/8:

20 MHz		40 MHz		80 MHz		160 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
1	5955	3	5965	7	5985	15	6025
5	5975	11	6005	23	6065	47	6185
9	5995	19	6045	39	6145	79	6345
13	6015	27	6085	55	6225	111	6505
17	6035	35	6125	71	6305	143	6665
21	6055	43	6165	87	6385	175	6825
25	6075	51	6205	103	6465	207	6985
29	6095	59	6245	119	6545		
33	6115	67	6285	135	6625		
37	6135	75	6325	151	6705		
41	6155	83	6365	167	6785		
45	6175	91	6405	183	6865		
49	6195	99	6445	199	6945		
53	6215	107	6485	215	7025		
57	6235	115	6525				
61	6255	123	6565				
65	6275	131	6605				
69	6295	139	6645				
73	6315	147	6685				
77	6335	155	6725				
81	6355	163	6765				
85	6375	171	6805				
89	6395	179	6845				
93	6415	187	6885				
97	6435	195	6925				
101	6455	203	6965				
105	6475	211	7005				
109	6495	219	7045				
113	6515	227	7085				
117	6535						
121	6555						
125	6575						
129	6595						
133	6615						
137	6635						
141	6655						
145	6675						

149	6695						
153	6715						
157	6735						
161	6755						
165	6775						
169	6795						
173	6815						
177	6835						
181	6855						
185	6875						
189	6895						
193	6915						
197	6935						
201	6955						
205	6975						
209	6995						
213	7015						
217	7035						
221	7055						
225	7075						
229	7095						
233	7115						

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11ax(HE20) (SU)

U-NII-5 (5925 - 6425 MHz)			U-NII-6 (6425 - 6525 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
1	Low	5955	97	Low	6435
45	Mid	6175	105	Mid	6475
93	High	6415	113	High	6515

U-NII-7 (6425 - 6875 MHz)			U-NII-8 (6875 - 7125 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
117	Low	6535	185	Low	6875
153	Mid	6715	213	Mid	7015
181	High	6855	233	High	7115

For 802.11ax(HE40) (SU)

U-NII-5 (5925 - 6425 MHz)			U-NII-6 (6425 - 6525 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
3	Low	5965	99	Low	6445
43	Mid	6165	107	Mid	6485
91	High	6405	115	High	6525

U-NII-7 (6425 - 6875 MHz)			U-NII-8 (6875 - 7125 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
123	Low	6565	187	Low	6885
155	Mid	6725	211	Mid	7005
179	High	6845	227	High	7085

For 802.11ax(HE80) (SU)

U-NII-5 (5925 - 6425 MHz)			U-NII-6 (6425 - 6525 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
7	Low	5985	103	Low	6465
39	Mid	6145	119	High	6545
87	High	6385			

U-NII-7 (6425 - 6875 MHz)			U-NII-8 (6875 - 7125 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
135	Low	6625	183	Low	6865
151	Mid	6705	199	Mid	6945
167	High	6785	215	High	7025

For 802.11ax(HE160) (SU)

U-NII-5 (5925 - 6425 MHz)			U-NII-6 (6425 - 6525 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
15	Low	6025	111	Mid	6505
47	Mid	6185			
79	High	6345			

U-NII-7 (6425 - 6875 MHz)			U-NII-8 (6875 - 7125 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
143	Low	6665	207	Mid	6985
175	High	6825			

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-5	U-NII-6	U-NII-7	U-NII-8
				Channel	Channel	Channel	Channel
RF Output Power	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207
Emission Bandwidth & 99% Occupied Bandwidth	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207
Power Spectral Density	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207
Radiated Spurious Emissions	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207
Band Edge (Restricted-band)	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207
Contention Based Protocol	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207
In-Band Emissions	11ax(20 MHz)	4	OFDMA	1/45/93	97/105/113	117/153/181	185/213/229/233
	11ax(40 MHz)	8		3/43/91	99/107/115	123/155/179	187/211/227
	11ax(80 MHz)	17		7/39/87	103/119	135/151/167	183/199/215
	11ax(160 MHz)	34		15/47/79	111	143/175	207

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB Publication 987594 D03v01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure 6 GHz (U-NII) Devices Part 15, Subpart E
4	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	N/A	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	N/A	ANNEX A.2	Pass
4	Power Spectral Density	15.407(a)	N/A	ANNEX A.3	Pass
5	Conducted Emission	15.207	N/A	ANNEX A.4	Pass
6	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	N/A	ANNEX A.5	Pass
7	Contention Based Protocol	15.407(d)	N/A	ANNEX A.6	Pass
8	In-Band Emissions	15.407(b)	N/A	ANNEX A.7	Pass

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note ²: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	52% to 59%	
Atmospheric Pressure	101 kPa	
Temperature	NT (Normal Temperature)	+22.5°C to +24.7°C
	LT (Low Temperature)	0°C
	HT (High Temperature)	+40°C
Working Voltage of the EUT	NV (Normal Voltage)	3.40 V
	LV (Low Voltage)	3.85 V
	HV (High Voltage)	4.38 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420147	2024.02.22	2025.02.21
Spectrum Analyzer	KEYSIGHT	N9010B	MY60240977	2024.02.22	2025.02.21
Signal Generator	Anritsu	MG3710E	6262063515	2024.02.22	2025.02.21
Wideband Radio Communication Tester	R&S	CMW500	168792	2024.02.22	2025.02.21
EMI Receiver	KEYSIGHT	N9038A	MY55330122	2024.07.09	2025.07.08
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-177	2024.03.11	2027.03.10
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-1203	2024.03.11	2027.03.10
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-2134	2024.03.11	2027.03.10
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400-KF	J211060307	2024.03.11	2027.03.10
Anechoic Chamber	YiHeng	9m*6m*6m	EMC001	2024.04.18	2027.04.17
EMI Receiver	KEYSIGHT	N9038A	MY55330115	2024.02.19	2025.02.18
LISN	SCHWARZBECK	NSLK 8127	8127-940	2024.02.25	2025.02.24
10dB Limiter	SCHWARZBECK	VTSD 9561-F	9561-F N00409	2024.02.19	2025.02.18
Shielded Room	YiHeng	5m*4m*3.2 m	EMC006	2024.02.22	2027.02.21

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable Test Setup
BL410R	BALUN	V2.1.1.496	N/A	The section 4.6.1
BL410E	BALUN	V21.919	N/A	The section 4.6.2&4.6.3&4.6.4&4.6.5

4.4 Decision Rule

- ☐ No Need
☒ Use General conformity decision rule (Consider uncertainty or not ☒No ☐Yes)
☐ Use Special Conformity Decision Rule (Consider uncertainty or not ☐No ☐Yes)

4.5 Measurement Uncertainty

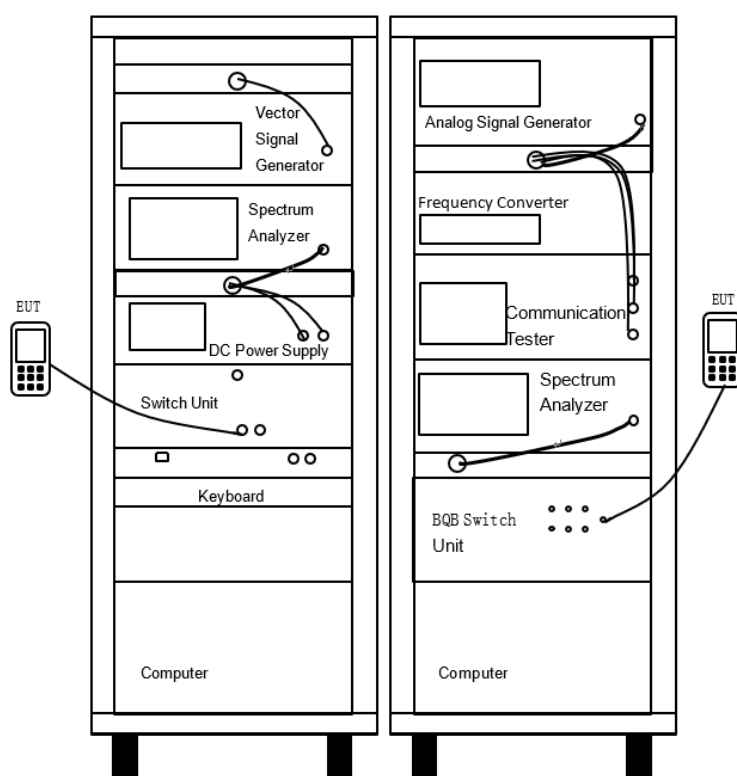
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.4 %
RF output power, conducted	0.41 dB
Power Spectral Density, conducted	1.73 dB
Unwanted Emissions, conducted	1.73 dB
All emissions, radiated	4.57 dB
Temperature	0.82 °C
Humidity	4.1 %

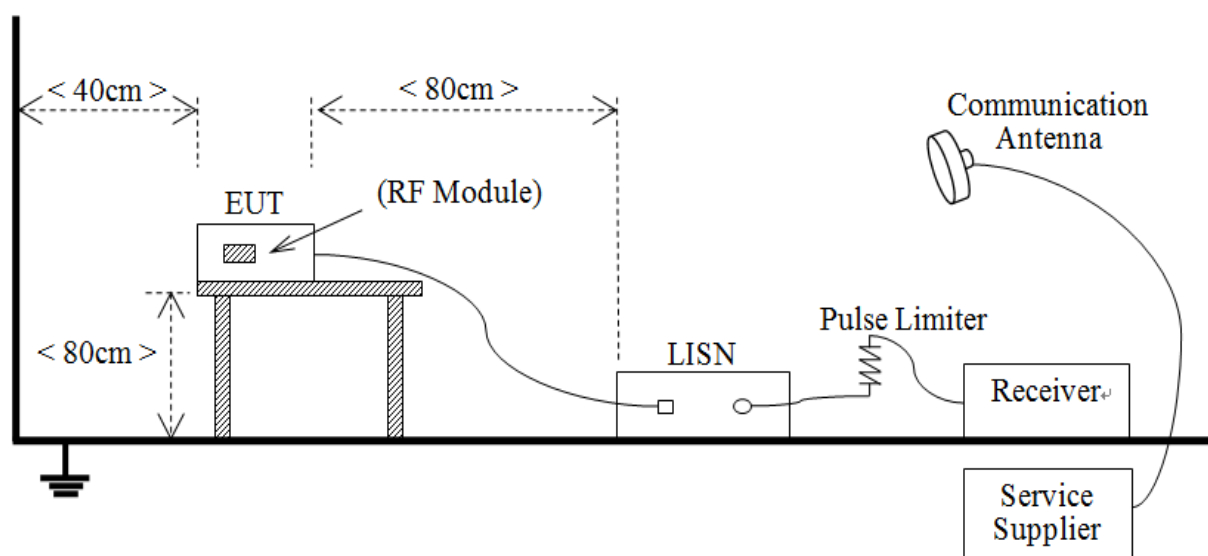
4.6 Description of Test Setup

4.6.1 For Antenna Port Test



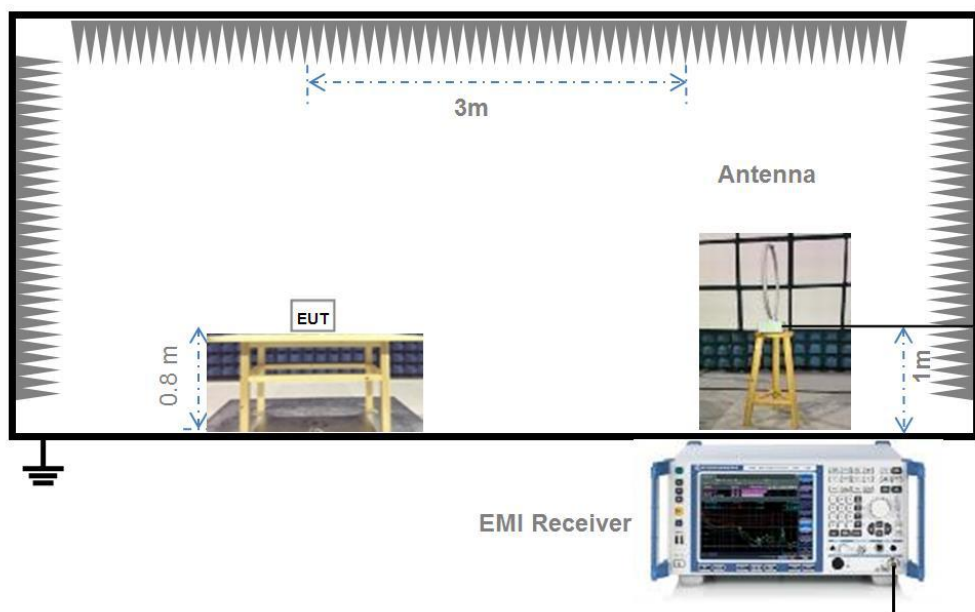
(Diagram 1)

4.6.2 For AC Power Supply Port Test



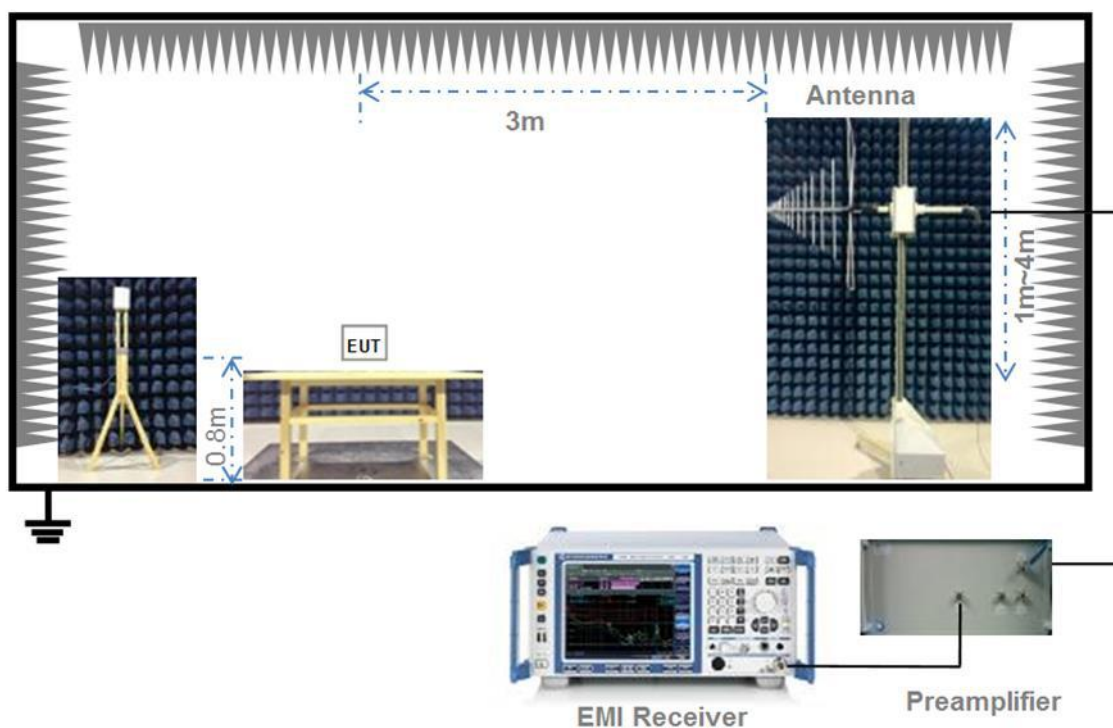
(Diagram 2)

4.6.3 For Radiated Test (Below 30 MHz)



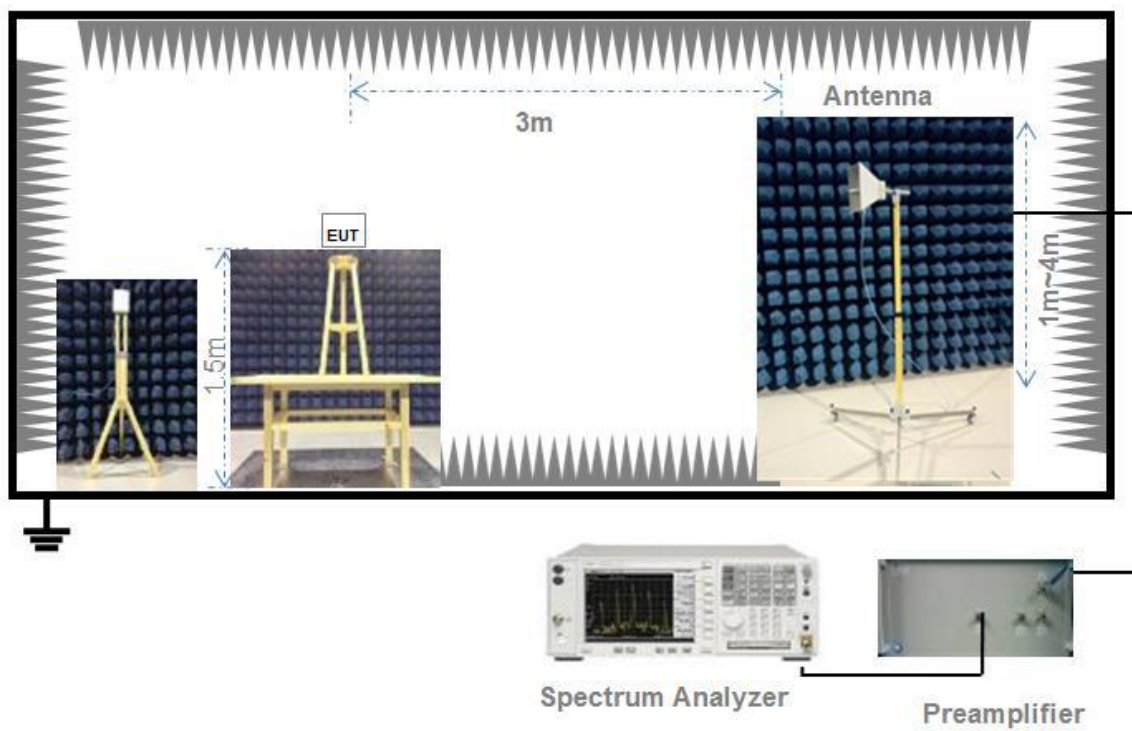
(Diagram 3)

4.6.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.6.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5925-7125	24 dBm (e.i.r.p.)
Note: Where "B" is the 26 dB emissions bandwidth in MHz.	

5.1.2 Test Setup

The section 4.6.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW $\geq$ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW $\geq$ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space

environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 99% Occupied Bandwidth

5.2.1 Limit

FCC §15.407(a)

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

5.2.2 Test Setup

The test setup photo please refer to 4.6.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5925-7125	-1 dBm/MHz (e.i.r.p.)

5.3.2 Test Setup

The section 4.6.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz,
2. VBW $\geq 3 \times$ RBW,
3. Sweep time = Auto,
4. Detector = RMS.
5. Allow the sweeps to continue until the trace stabilizes.
6. Use the peak marker function to determine the maximum amplitude level.
7. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.3.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.4.2 Test Setup

The section 4.6.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.4.

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

5.5.1 Limit

FCC §15.209 & 15.407(b)

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note ¹: The Limit for radiated test was performed according to FCC Part 15C

Note ²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5925 - 7125	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)

Note: The following formula is used to convert the equipment isotropic radiated power (eirr) to field strength.

5.5.2 Test Setup

The section 4.6.3-4.6.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
 d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:
 $E = \text{EIRP} - 20\log D + 104.8$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

f) Compare the resultant electric field strength level to the applicable limit.

g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

a) RBW = as specified in Table 1.

b) VBW $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits. The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.5.

5.6 Contention Based Protocol

5.6.1 Limit

FCC §15.15.407(d)

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

5.6.2 Test Setup

The section 4.6.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The AWGN interference signal level is corrected according to the antenna gain, and the AWGN interference signal is modulated by the vector signal source. When AWGN interference exists, a spectrum analyzer is used to detect whether the EUT recognizes and stops transmission.

5.6.4 Test Result

Please refer to ANNEX A.6.

5.7 In-Band Emissions

5.7.1 Limit

FCC §15.15.407(b)

Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:

- a. Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
- b. Suppressed by 28 dB at one channel bandwidth from the channel center.
- c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.

5.7.2 Test Setup

The section 4.6.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.5.2 of ANSI C63.10-2013.
3. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (This will be used to determine the channel edge.)
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - a. Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.

9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

5.7.4 Test Result Please

refer to ANNEX A.7.

ANNEX A TEST RESULT

A.1 RF Output Power

Note 1: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note 2: All the configurations were tested, but only the worst data was shown in this report.

Duty Cycle

U-NII-5/6/7/8

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11ax (HE20)	1.01	1.36	74.10%	1.30
11ax (HE40)	0.53	0.89	59.79%	2.23
11ax (HE80)	0.04	0.06	67.01%	1.74
11ax (HE160)	0.04	0.06	66.55%	1.77

Test DataConducted Power

U-NII-5 (5925-6425MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20) (SU)	CH1	9.71	24	Pass
11ax(HE20) (SU)	CH45	9.75	24	Pass
11ax(HE20) (SU)	CH93	9.21	24	Pass
11ax(HE40) (SU)	CH3	12.35	24	Pass
11ax(HE40) (SU)	CH43	12.52	24	Pass
11ax(HE40) (SU)	CH91	11.92	24	Pass
11ax(HE80) (SU)	CH7	14.49	24	Pass
11ax(HE80) (SU)	CH39	14.90	24	Pass
11ax(HE80) (SU)	CH87	14.54	24	Pass
11ax(HE160) (SU)	CH15	17.25	24	Pass
11ax(HE160) (SU)	CH47	17.52	24	Pass
11ax(HE160) (SU)	CH79	17.53	24	Pass

U-NII-6 (6425-6525MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20) (SU)	CH97	9.32	24	Pass
11ax(HE20) (SU)	CH105	9.75	24	Pass
11ax(HE20) (SU)	CH113	9.18	24	Pass
11ax(HE40) (SU)	CH99	12.12	24	Pass
11ax(HE40) (SU)	CH107	12.38	24	Pass
11ax(HE40) (SU)	CH115	12.41	24	Pass
11ax(HE80) (SU)	CH103	14.38	24	Pass
11ax(HE80) (SU)	CH119	14.23	24	Pass
11ax(HE160) (SU)	CH111	17.37	24	Pass

U-NII-7 (6425-6875MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20) (SU)	CH117	9.47	24	Pass
11ax(HE20) (SU)	CH153	9.43	24	Pass
11ax(HE20) (SU)	CH181	9.14	24	Pass
11ax(HE40) (SU)	CH123	11.97	24	Pass
11ax(HE40) (SU)	CH155	12.26	24	Pass
11ax(HE40) (SU)	CH179	12.60	24	Pass
11ax(HE80) (SU)	CH135	14.39	24	Pass
11ax(HE80) (SU)	CH151	14.86	24	Pass
11ax(HE80) (SU)	CH1167	14.74	24	Pass
11ax(HE160) (SU)	CH143	17.63	24	Pass
11ax(HE160) (SU)	CH175	17.08	24	Pass

U-NII-8 (6875-7125MHz)				
Mode	Channel	EIRP Power (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20) (SU)	CH185	9.46	24	Pass
11ax(HE20) (SU)	CH213	8.97	24	Pass
11ax(HE20) (SU)	CH229	8.60	24	Pass
11ax(HE20) (SU)	CH233	9.39	24	Pass
11ax(HE40) (SU)	CH187	12.51	24	Pass
11ax(HE40) (SU)	CH211	12.53	24	Pass
11ax(HE40) (SU)	CH227	12.47	24	Pass
11ax(HE80) (SU)	CH183	14.63	24	Pass
11ax(HE80) (SU)	CH199	14.50	24	Pass
11ax(HE80) (SU)	CH215	14.34	24	Pass
11ax(HE160) (SU)	CH207	17.40	24	Pass

A.2 Emission Bandwidth and 99% Occupied Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SH2490675-606 Data Part 1.pdf”.

Test Data

U-NII-5 (5925 - 6425MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax (HE20) (SU)	CH1	21.27	18.86
11ax (HE20) (SU)	CH45	21.72	18.83
11ax (HE20) (SU)	CH93	21.47	18.84
11ax (HE40) (SU)	CH3	39.52	37.61
11ax (HE40) (SU)	CH43	39.50	37.58
11ax (HE40) (SU)	CH91	39.53	37.58
11ax (HE80) (SU)	CH7	82.28	76.67
11ax (HE80) (SU)	CH39	82.03	76.62
11ax (HE80) (SU)	CH87	82.12	76.60
11ax (HE160) (SU)	CH15	162.60	155.84
11ax (HE160) (SU)	CH47	162.50	155.71
11ax (HE160) (SU)	CH79	162.50	155.76

U-NII-6 (6425 - 6525MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax (HE20) (SU)	CH97	21.47	18.84
11ax (HE20) (SU)	CH105	21.22	18.83
11ax (HE20) (SU)	CH113	21.50	18.85
11ax (HE40) (SU)	CH99	39.59	37.59
11ax (HE40) (SU)	CH107	39.53	37.57
11ax (HE40) (SU)	CH115	39.55	37.59
11ax (HE80) (SU)	CH103	82.00	76.58
11ax (HE80) (SU)	CH119	82.22	76.61
11ax (HE160) (SU)	CH111	162.30	155.80

U-NII-7 (6525 - 6825MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax (HE20) (SU)	CH117	21.45	18.83
11ax (HE20) (SU)	CH153	21.87	18.84
11ax (HE20) (SU)	CH181	21.32	18.84
11ax (HE40) (SU)	CH123	39.50	37.59
11ax (HE40) (SU)	CH155	39.50	37.59
11ax (HE40) (SU)	CH179	39.48	37.58
11ax (HE80) (SU)	CH135	82.07	76.64
11ax (HE80) (SU)	CH151	82.07	76.58
11ax (HE80) (SU)	CH1167	82.28	76.64
11ax (HE160) (SU)	CH143	162.70	155.78
11ax (HE160) (SU)	CH175	162.80	156.10

U-NII-8 (6875 - 7125MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax (HE20) (SU)	CH185	21.37	18.83
11ax (HE20) (SU)	CH213	21.40	18.85
11ax (HE20) (SU)	CH229	21.64	18.86
11ax (HE20) (SU)	CH233	21.46	18.85
11ax (HE40) (SU)	CH187	39.52	37.58
11ax (HE40) (SU)	CH211	39.53	37.55
11ax (HE40) (SU)	CH227	40.30	37.60
11ax (HE80) (SU)	CH183	82.23	76.63
11ax (HE80) (SU)	CH199	82.10	76.63
11ax (HE80) (SU)	CH215	82.35	76.70
11ax (HE160) (SU)	CH207	162.30	155.98

A.3 Power Spectral Density (PSD)

Note 1: Test plots please refer to the document "Annex No.: BL-SH2490675-606 Data Part 2.pdf".

Note 2: The PSD has considered the Duty Factor.

Test Data

U-NII-5 (5925 - 6425MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11ax (HE20) (SU)	CH1	-1.37	-1.00	Pass
11ax (HE20) (SU)	CH45	-1.23	-1.00	Pass
11ax (HE20) (SU)	CH93	-1.49	-1.00	Pass
11ax (HE40) (SU)	CH3	-1.17	-1.00	Pass
11ax (HE40) (SU)	CH43	-1.24	-1.00	Pass
11ax (HE40) (SU)	CH91	-1.61	-1.00	Pass
11ax (HE80) (SU)	CH7	-1.20	-1.00	Pass
11ax (HE80) (SU)	CH39	-1.15	-1.00	Pass
11ax (HE80) (SU)	CH87	-1.51	-1.00	Pass
11ax (HE160) (SU)	CH15	-1.15	-1.00	Pass
11ax (HE160) (SU)	CH47	-1.29	-1.00	Pass
11ax (HE160) (SU)	CH79	-1.28	-1.00	Pass

U-NII-6 (6425 - 6525MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11ax (HE20) (SU)	CH97	-1.49	-1.00	Pass
11ax (HE20) (SU)	CH105	-1.25	-1.00	Pass
11ax (HE20) (SU)	CH113	-1.50	-1.00	Pass
11ax (HE40) (SU)	CH99	-1.59	-1.00	Pass
11ax (HE40) (SU)	CH107	-1.44	-1.00	Pass
11ax (HE40) (SU)	CH115	-1.51	-1.00	Pass
11ax (HE80) (SU)	CH103	-1.51	-1.00	Pass
11ax (HE80) (SU)	CH119	-1.61	-1.00	Pass
11ax (HE160) (SU)	CH111	-1.17	-1.00	Pass

U-NII-7 (6525 - 6825MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11ax (HE20) (SU)	CH117	-1.48	-1.00	Pass
11ax (HE20) (SU)	CH153	-1.23	-1.00	Pass
11ax (HE20) (SU)	CH181	-1.46	-1.00	Pass
11ax (HE40) (SU)	CH123	-1.58	-1.00	Pass
11ax (HE40) (SU)	CH155	-1.57	-1.00	Pass
11ax (HE40) (SU)	CH179	-1.31	-1.00	Pass
11ax (HE80) (SU)	CH135	-1.56	-1.00	Pass
11ax (HE80) (SU)	CH151	-1.16	-1.00	Pass
11ax (HE80) (SU)	CH1167	-1.34	-1.00	Pass
11ax (HE160) (SU)	CH143	-1.20	-1.00	Pass
11ax (HE160) (SU)	CH175	-1.71	-1.00	Pass

U-NII-8 (6875 - 7125MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11ax (HE20) (SU)	CH185	-1.46	-1.00	Pass
11ax (HE20) (SU)	CH213	-1.85	-1.00	Pass
11ax (HE20) (SU)	CH229	-2.16	-1.00	Pass
11ax (HE20) (SU)	CH233	-1.35	-1.00	Pass
11ax (HE40) (SU)	CH187	-1.39	-1.00	Pass
11ax (HE40) (SU)	CH211	-1.91	-1.00	Pass
11ax (HE40) (SU)	CH227	-1.42	-1.00	Pass
11ax (HE80) (SU)	CH183	-1.47	-1.00	Pass
11ax (HE80) (SU)	CH199	-1.62	-1.00	Pass
11ax (HE80) (SU)	CH215	-1.86	-1.00	Pass
11ax (HE160) (SU)	CH207	-1.21	-1.00	Pass

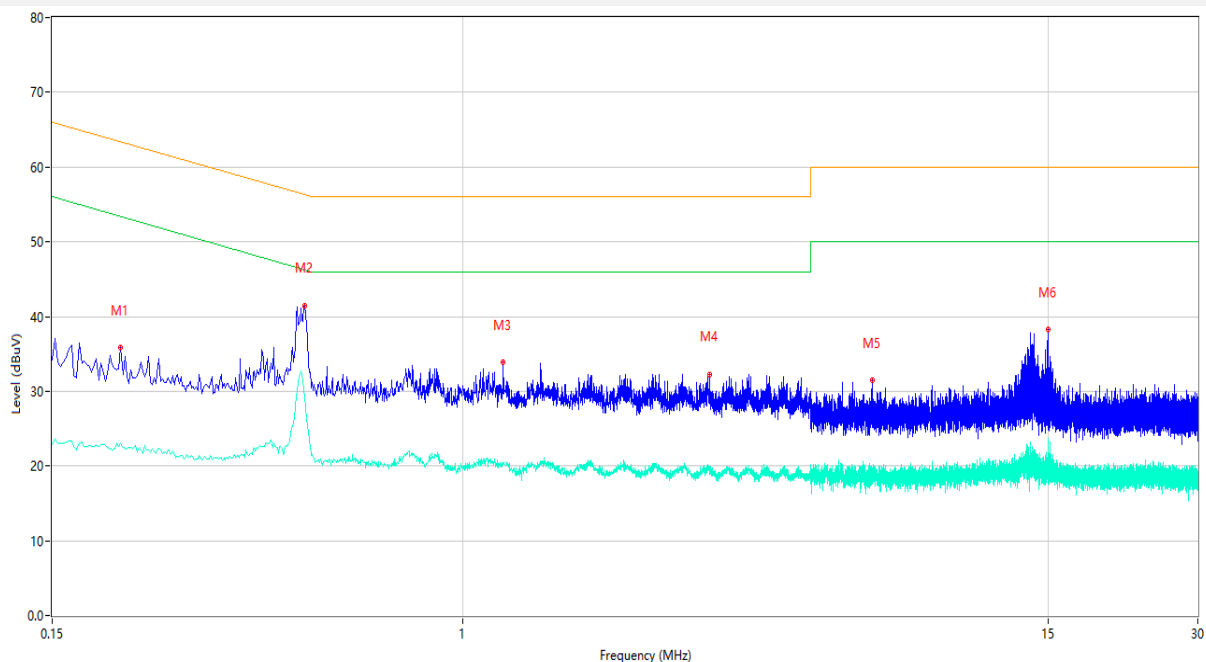
A.4 Conducted Emission

Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

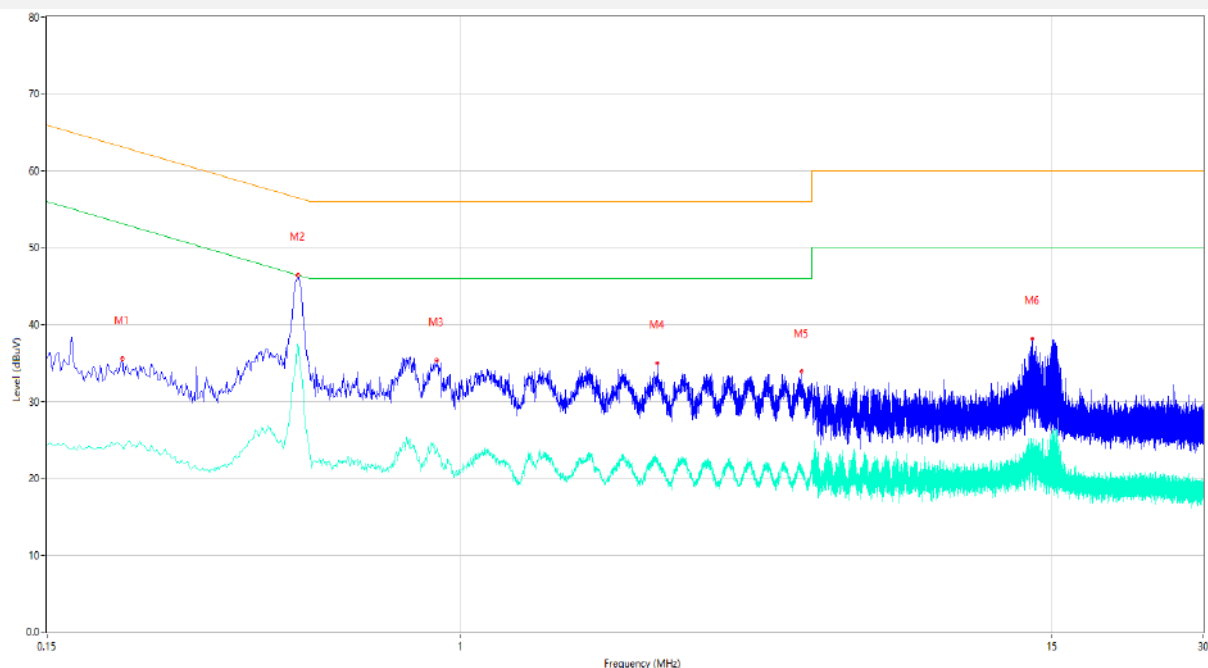
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.206	35.84	9.75	63.37	27.53	Peak	L	Pass
1**	0.206	23.01	9.75	53.37	30.36	AV	L	Pass
2	0.482	41.49	9.74	56.30	14.81	Peak	L	Pass
2**	0.482	29.19	9.74	46.30	17.11	AV	L	Pass
3	1.208	33.89	9.70	56.00	22.11	Peak	L	Pass
3**	1.208	20.26	9.70	46.00	25.74	AV	L	Pass
4	3.140	32.31	9.66	56.00	23.69	Peak	L	Pass
4**	3.140	19.68	9.66	46.00	26.32	AV	L	Pass
5	6.650	31.53	9.59	60.00	28.47	Peak	L	Pass
5**	6.650	18.44	9.59	50.00	31.56	AV	L	Pass
6	15.028	38.21	9.25	60.00	21.79	Peak	L	Pass
6**	15.028	23.71	9.25	50.00	26.29	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.212	35.52	9.76	63.13	27.61	Peak	N	Pass
1**	0.212	24.07	9.76	53.13	29.06	AV	N	Pass
2	0.474	46.44	9.80	56.44	10.00	Peak	N	Pass
2**	0.474	36.81	9.80	46.44	9.63	AV	N	Pass
3	0.896	35.32	9.86	56.00	20.68	Peak	N	Pass
3**	0.896	23.98	9.86	46.00	22.02	AV	N	Pass
4	2.464	34.92	9.86	56.00	21.08	Peak	N	Pass
4**	2.464	21.87	9.86	46.00	24.13	AV	N	Pass
5	4.764	33.91	9.82	56.00	22.09	Peak	N	Pass
5**	4.764	21.25	9.82	46.00	24.75	AV	N	Pass
6	13.728	38.08	9.57	60.00	21.92	Peak	N	Pass
6**	13.728	23.27	9.57	50.00	26.73	AV	N	Pass

A.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

A.5.1 Radiated Spurious Emissions

Test Data

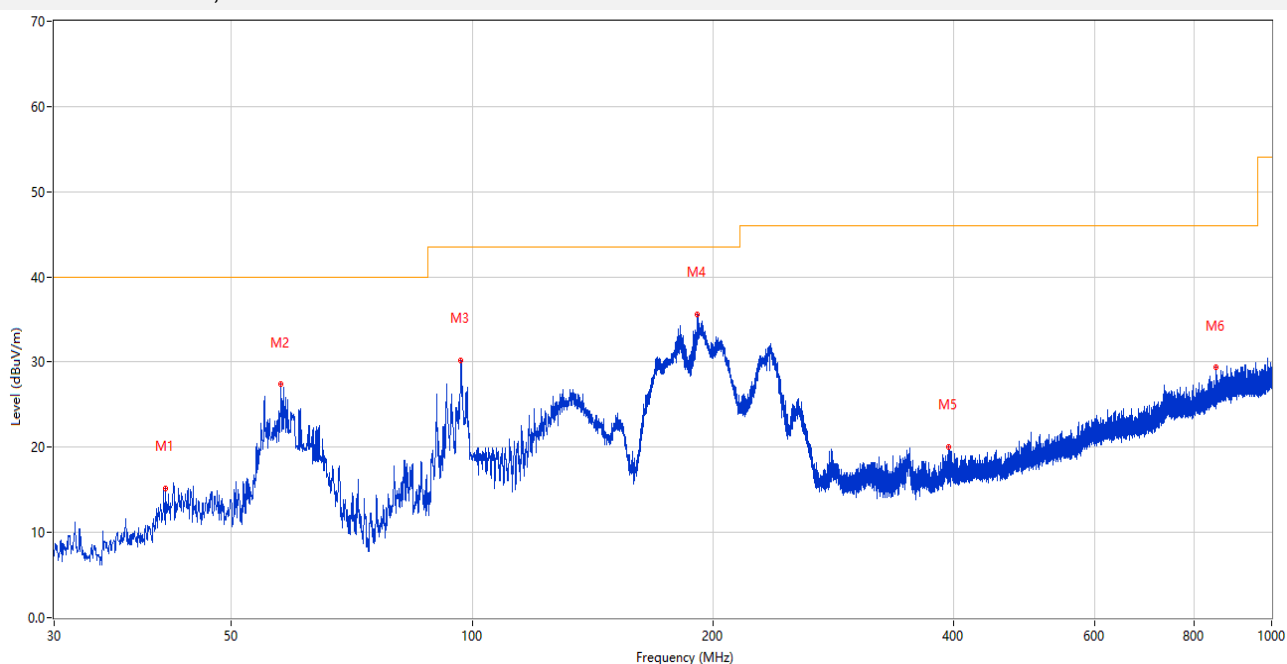
Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

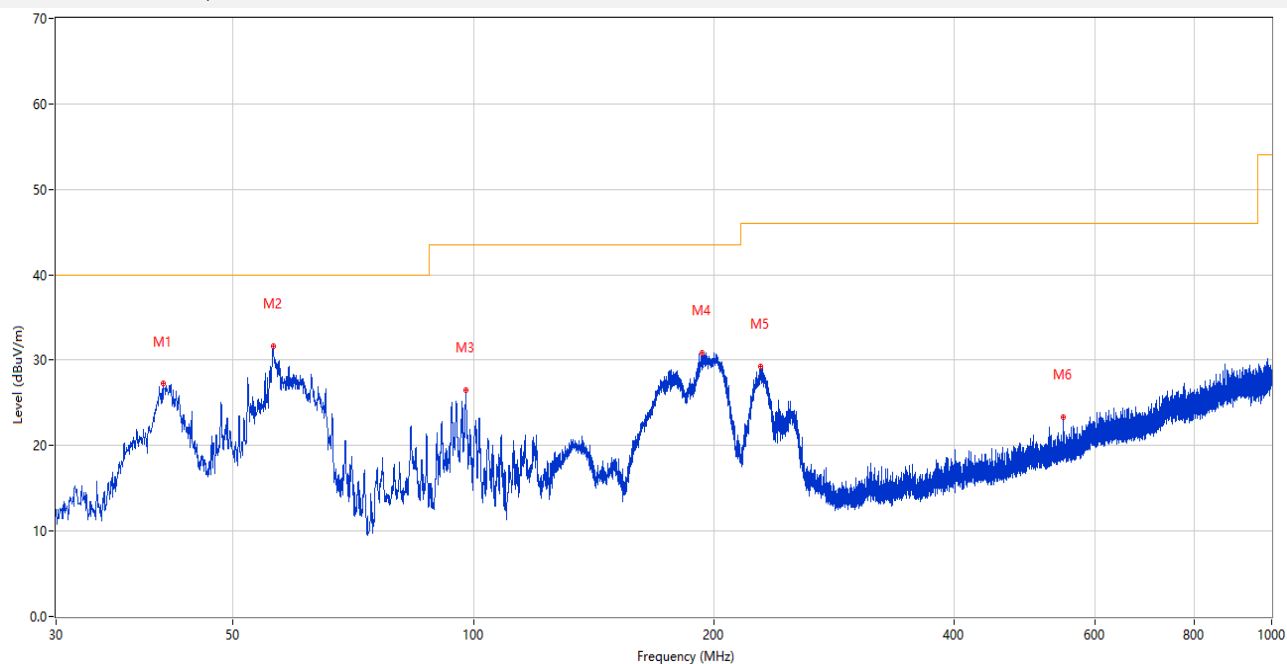
Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	41.398	15.20	-25.58	40.0	24.80	Peak	356.00	100	Horizontal	Pass
2	57.596	27.49	-25.73	40.0	12.51	Peak	241.00	200	Horizontal	Pass
3	96.833	30.14	-26.61	43.5	13.36	Peak	101.00	200	Horizontal	Pass
4	191.456	35.54	-26.59	43.5	7.96	Peak	53.00	200	Horizontal	Pass
5	394.478	20.06	-20.94	46.0	25.94	Peak	87.00	100	Horizontal	Pass
6	850.959	29.34	-11.06	46.0	16.66	Peak	326.00	100	Horizontal	Pass

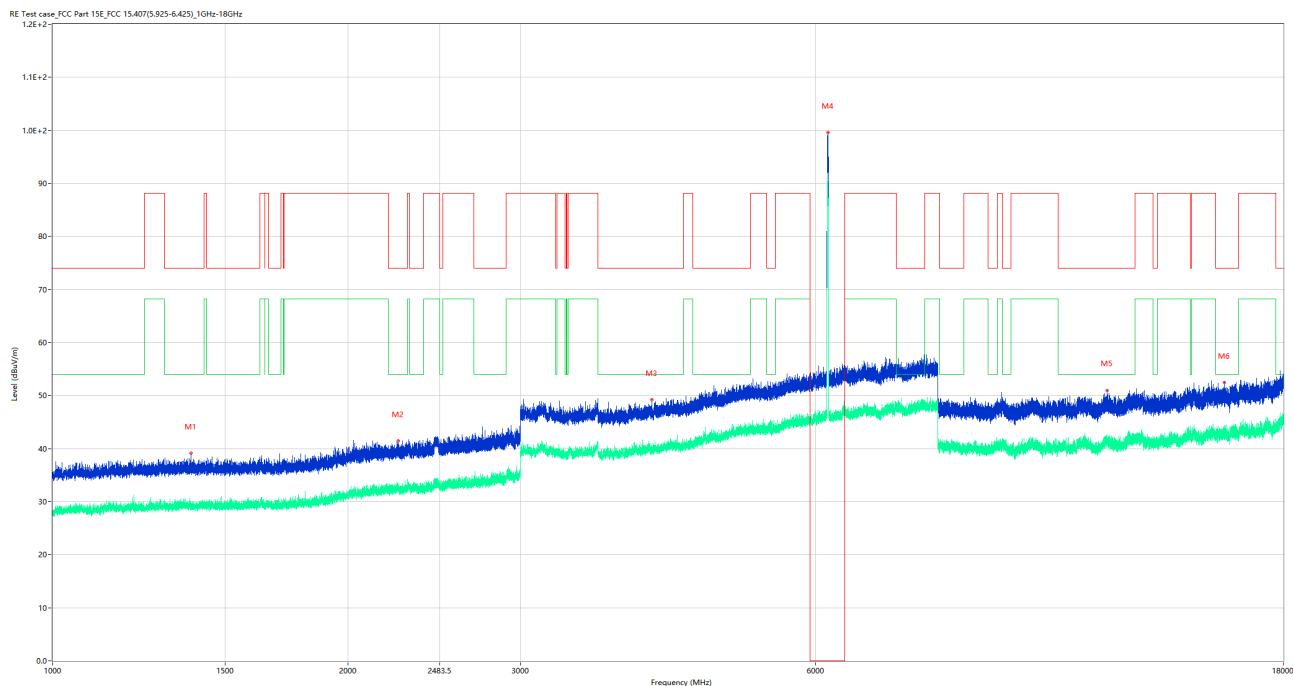
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.864	27.22	-25.74	40.0	12.78	Peak	28.00	100	Vertical	Pass
2	56.142	31.65	-25.39	40.0	8.35	Peak	46.00	200	Vertical	Pass
3	97.803	26.47	-26.51	43.5	17.03	Peak	161.00	200	Vertical	Pass
4	193.154	30.83	-26.27	43.5	12.67	Peak	107.00	100	Vertical	Pass
5	228.996	29.25	-25.34	46.0	16.75	Peak	83.00	200	Vertical	Pass
6	548.659	23.30	-17.41	46.0	22.70	Peak	89.00	100	Vertical	Pass

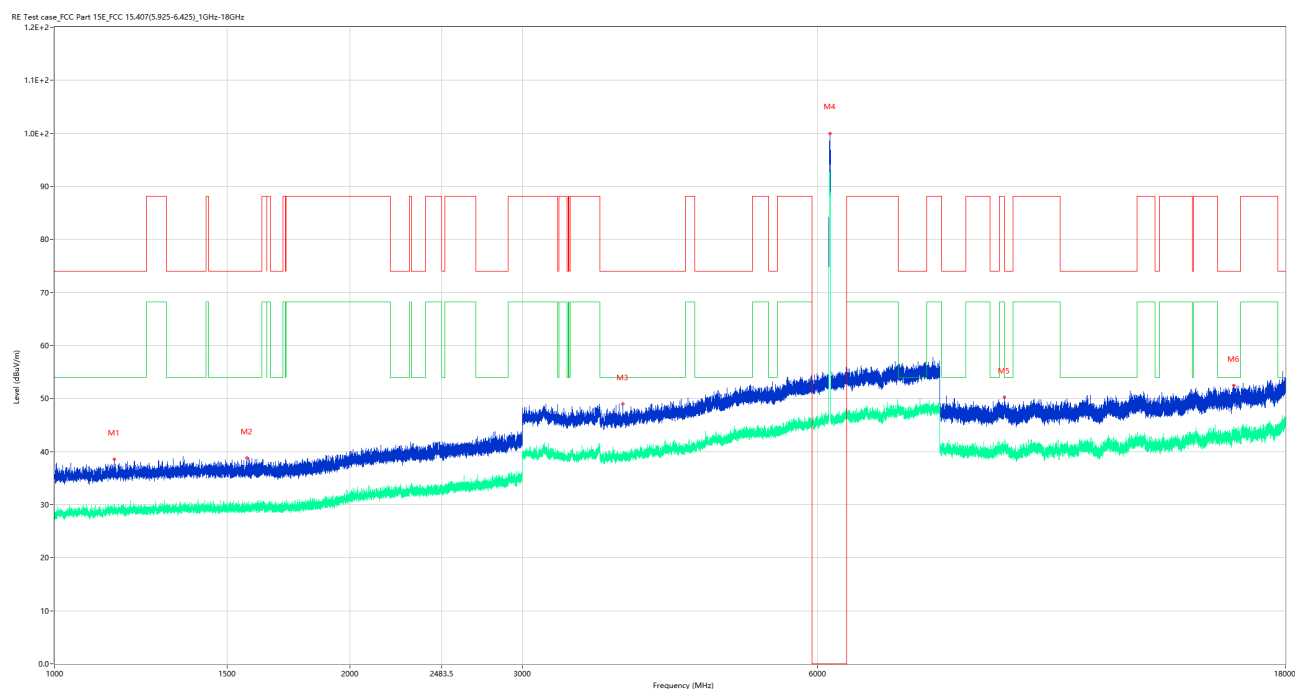
Note: The spurious above 18G is noise only, do not show on the report.

11ax20(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT H



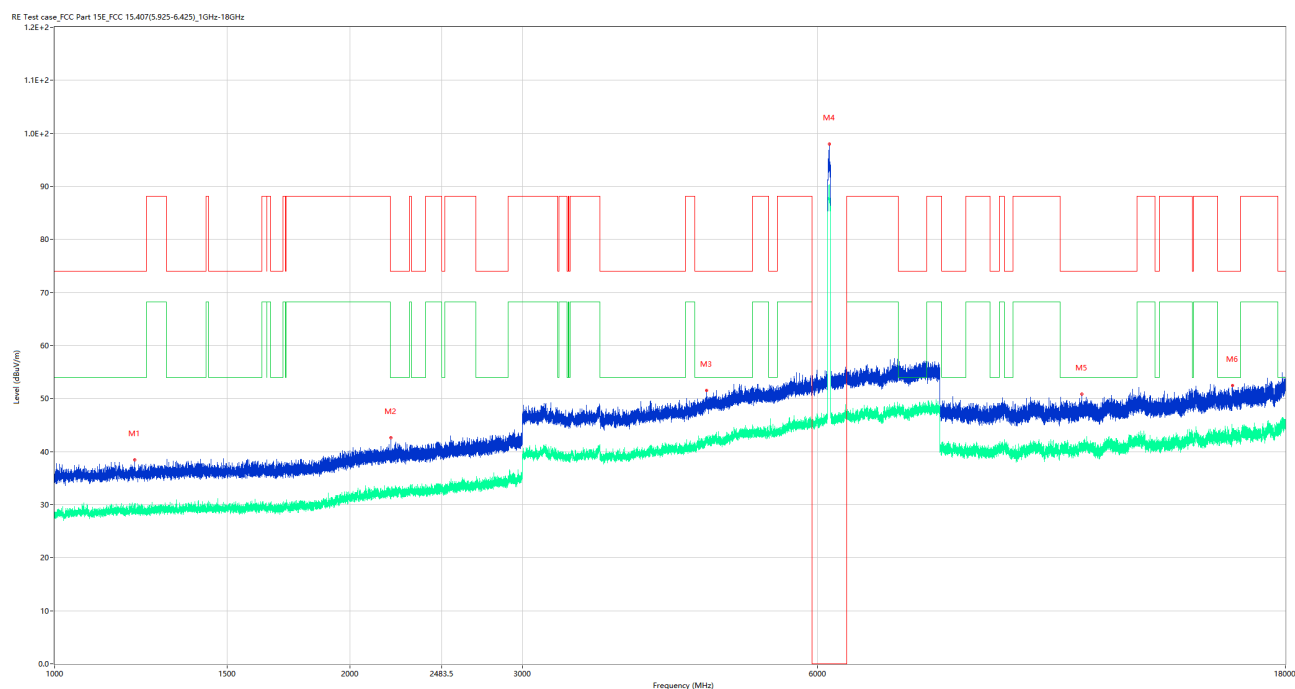
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1384.700	39.14	-16.26	74.0	34.86	Peak	42.00	150	Horizontal	Pass
1**	1384.700	28.54	-16.26	54.0	25.46	AV	42.00	150	Horizontal	Pass
2	2250.700	41.52	-12.47	74.0	32.48	Peak	360.00	150	Horizontal	Pass
2**	2250.700	32.82	-12.47	54.0	21.18	AV	360.00	150	Horizontal	Pass
3	4082.250	49.25	-3.83	74.0	24.75	Peak	234.00	150	Horizontal	Pass
3**	4082.250	39.38	-3.83	54.0	14.62	AV	234.00	150	Horizontal	Pass
4	6175.750	99.64	1.17	--	248.36	Peak	348.00	150	Horizontal	N/A
4**	6175.750	89.17	1.17	--	-89.17	AV	348.00	150	Horizontal	N/A
5	11902.599	50.92	-0.80	74.0	23.08	Peak	260.00	150	Horizontal	Pass
5**	11902.599	41.36	-0.80	54.0	12.64	AV	260.00	150	Horizontal	Pass
6	15673.725	52.46	1.79	74.0	21.54	Peak	259.00	150	Horizontal	Pass
6**	15673.725	42.46	1.79	54.0	11.54	AV	259.00	150	Horizontal	Pass

11ax20(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT V



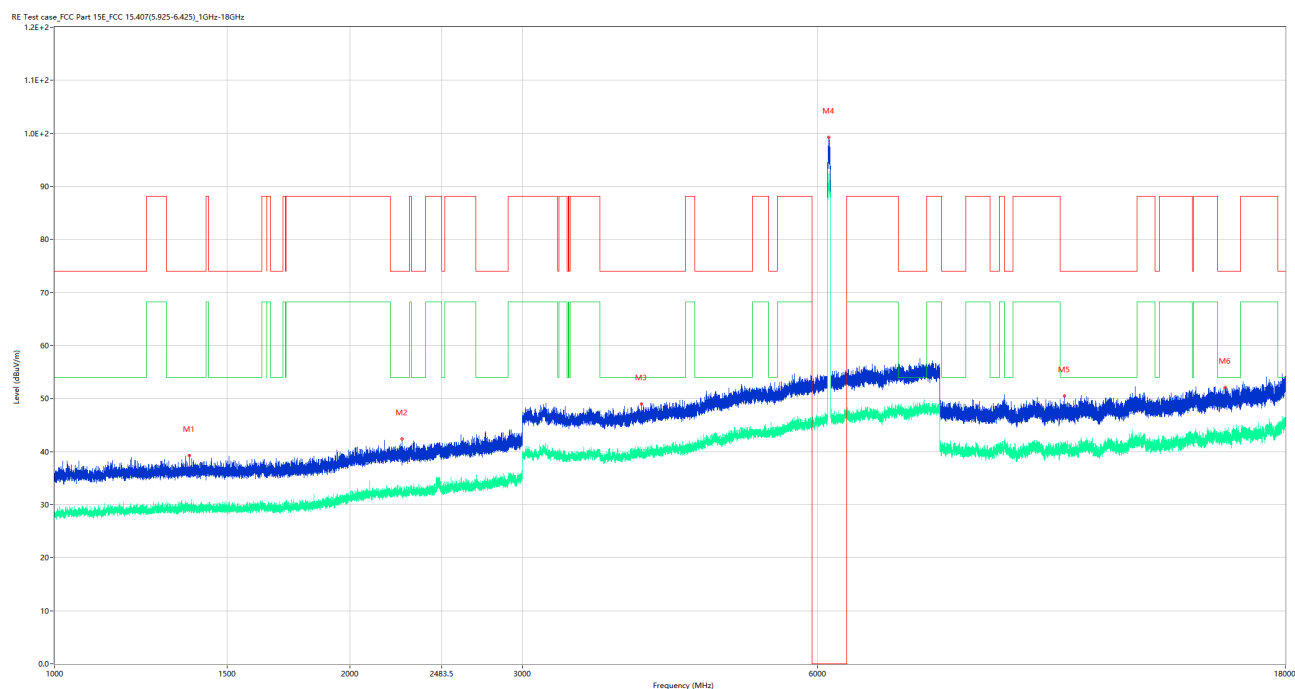
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1149.300	38.59	-16.23	74.0	35.41	Peak	23.00	150	Vertical	Pass
1**	1149.300	29.14	-16.23	54.0	24.86	AV	23.00	150	Vertical	Pass
2	1571.800	38.78	-16.26	74.0	35.22	Peak	13.00	150	Vertical	Pass
2**	1571.800	29.88	-16.26	54.0	24.12	AV	13.00	150	Vertical	Pass
3	3799.000	49.02	-4.22	74.0	24.98	Peak	320.00	150	Vertical	Pass
3**	3799.000	38.86	-4.22	54.0	15.14	AV	320.00	150	Vertical	Pass
4	6174.750	100.00	1.20	--	32.00	Peak	132.00	150	Vertical	N/A
4**	6174.750	92.70	1.20	--	-92.70	AV	132.00	150	Vertical	N/A
5	9305.538	50.33	-1.83	74.0	23.67	Peak	353.00	150	Vertical	Pass
5**	9305.538	40.66	-1.83	54.0	13.34	AV	353.00	150	Vertical	Pass
6	15949.088	52.44	1.36	74.0	21.56	Peak	186.00	150	Vertical	Pass
6**	15949.088	43.09	1.36	54.0	10.91	AV	186.00	150	Vertical	Pass

11ax40(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT H



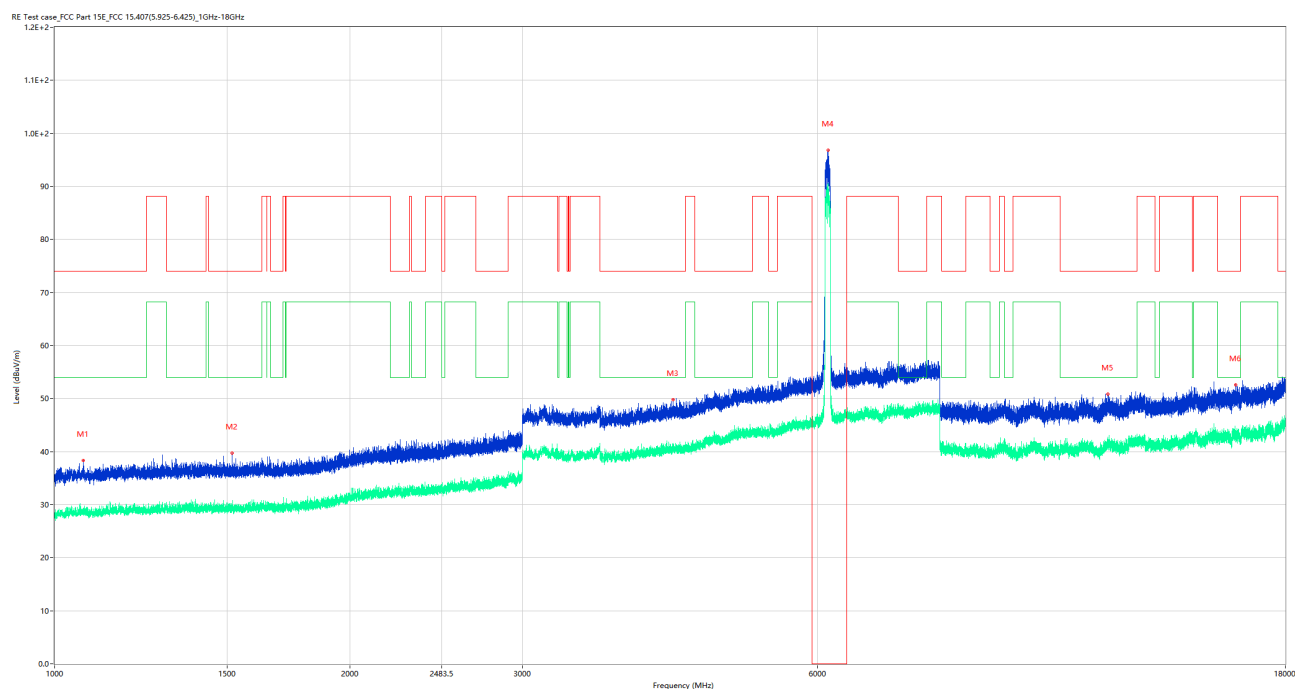
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1206.100	38.46	-16.16	74.0	35.54	Peak	163.00	150	Horizontal	Pass
1**	1206.100	28.89	-16.16	54.0	25.11	AV	163.00	150	Horizontal	Pass
2	2202.800	42.66	-13.46	74.0	31.34	Peak	4.00	150	Horizontal	Pass
2**	2202.800	32.12	-13.46	54.0	21.88	AV	4.00	150	Horizontal	Pass
3	4623.000	51.58	-1.60	74.0	22.42	Peak	168.00	150	Horizontal	Pass
3**	4623.000	41.84	-1.60	54.0	12.16	AV	168.00	150	Horizontal	Pass
4	6165.500	98.01	1.42	--	240.99	Peak	339.00	150	Horizontal	N/A
4**	6165.500	88.81	1.42	--	-88.81	AV	339.00	150	Horizontal	N/A
5	11159.463	50.86	-1.30	74.0	23.14	Peak	66.00	150	Horizontal	Pass
5**	11159.463	41.17	-1.30	54.0	12.83	AV	66.00	150	Horizontal	Pass
6	15893.963	52.52	1.63	74.0	21.48	Peak	0.00	150	Horizontal	Pass
6**	15893.963	43.40	1.63	54.0	10.60	AV	0.00	150	Horizontal	Pass

11ax40(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT V



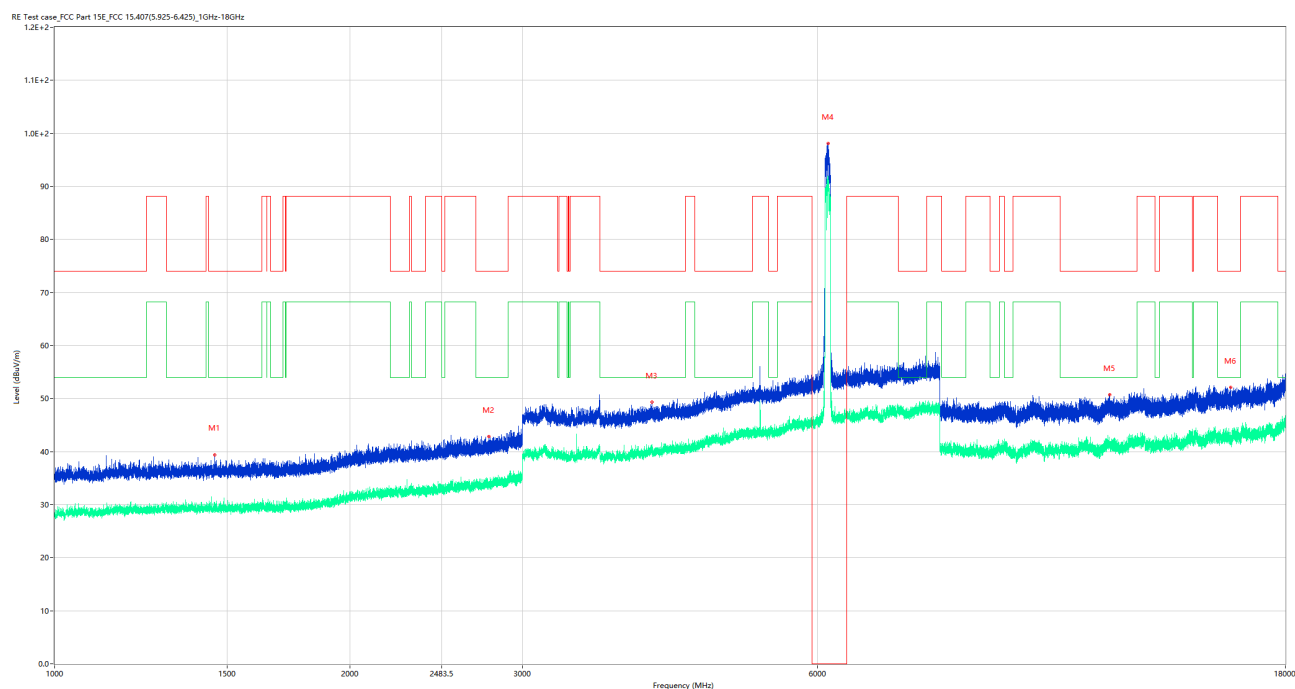
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1371.800	39.25	-16.39	74.0	34.75	Peak	355.00	150	Vertical	Pass
1**	1371.800	29.77	-16.39	54.0	24.23	AV	355.00	150	Vertical	Pass
2	2260.000	42.38	-12.86	74.0	31.62	Peak	360.00	150	Vertical	Pass
2**	2260.000	31.64	-12.86	54.0	22.36	AV	360.00	150	Vertical	Pass
3	3967.250	48.98	-3.21	74.0	25.02	Peak	150.00	150	Vertical	Pass
3**	3967.250	39.35	-3.21	54.0	14.65	AV	150.00	150	Vertical	Pass
4	6161.750	99.28	1.46	--	18.72	Peak	118.00	150	Vertical	N/A
4**	6161.750	90.14	1.46	--	-90.14	AV	118.00	150	Vertical	N/A
5	10720.088	50.54	-1.20	74.0	23.46	Peak	1.00	150	Vertical	Pass
5**	10720.088	40.46	-1.20	54.0	13.54	AV	1.00	150	Vertical	Pass
6	15631.200	52.07	0.95	74.0	21.93	Peak	360.00	150	Vertical	Pass
6**	15631.200	42.33	0.95	54.0	11.67	AV	360.00	150	Vertical	Pass

11ax80(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT H



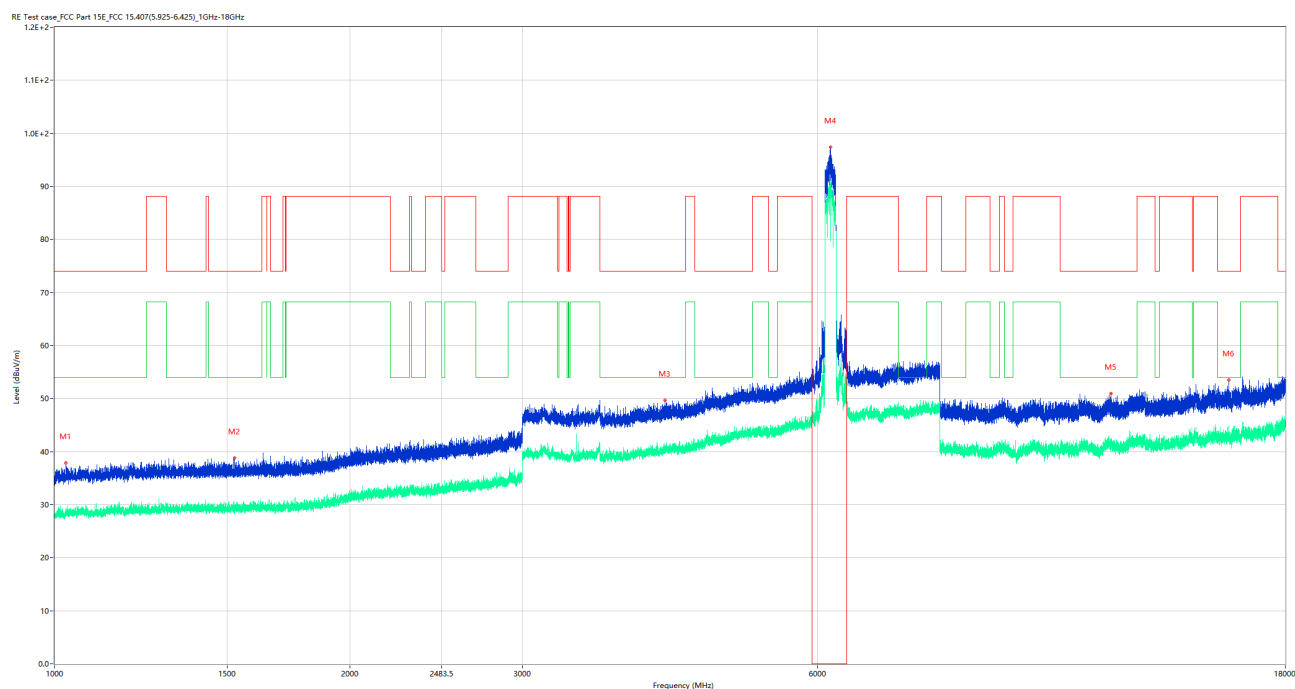
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1069.600	38.31	-16.24	74.0	35.69	Peak	360.00	150	Horizontal	Pass
1**	1069.600	29.25	-16.24	54.0	24.75	AV	360.00	150	Horizontal	Pass
2	1516.000	39.75	-16.32	74.0	34.25	Peak	233.00	150	Horizontal	Pass
2**	1516.000	29.10	-16.32	54.0	24.90	AV	233.00	150	Horizontal	Pass
3	4273.250	49.76	-2.34	74.0	24.24	Peak	33.00	150	Horizontal	Pass
3**	4273.250	40.66	-2.34	54.0	13.34	AV	33.00	150	Horizontal	Pass
4	6153.000	96.84	1.54	--	253.16	Peak	350.00	150	Horizontal	N/A
4**	6153.000	90.07	1.54	--	-90.07	AV	350.00	150	Horizontal	N/A
5	11870.537	50.89	-0.71	74.0	23.11	Peak	360.00	150	Horizontal	Pass
5**	11870.537	42.00	-0.71	54.0	12.00	AV	360.00	150	Horizontal	Pass
6	16014.713	52.55	1.20	74.0	21.45	Peak	256.00	150	Horizontal	Pass
6**	16014.713	42.75	1.20	54.0	11.25	AV	256.00	150	Horizontal	Pass

11ax80(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT V



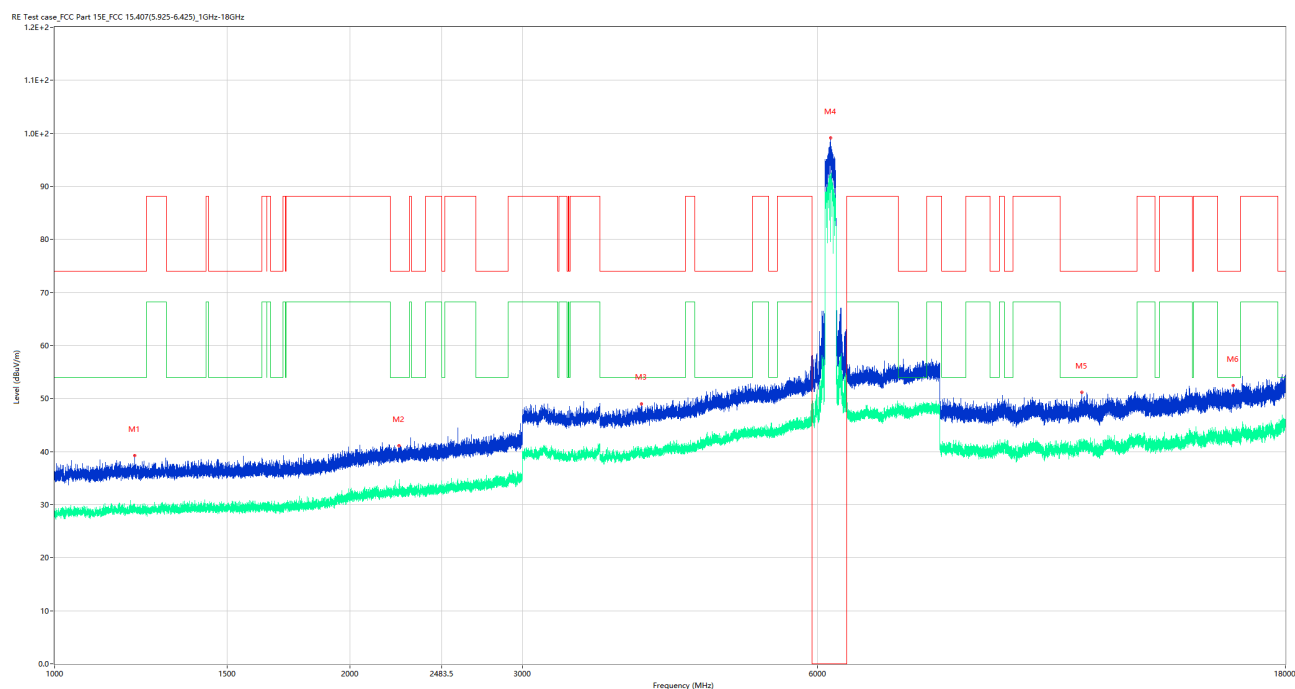
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1455.900	39.43	-16.38	74.0	34.57	Peak	360.00	150	Vertical	Pass
1**	1455.900	30.44	-16.38	54.0	23.56	AV	360.00	150	Vertical	Pass
2	2773.400	42.83	-10.16	74.0	31.17	Peak	51.00	150	Vertical	Pass
2**	2773.400	33.82	-10.16	54.0	20.18	AV	51.00	150	Vertical	Pass
3	4064.750	49.31	-3.18	74.0	24.69	Peak	0.00	150	Vertical	Pass
3**	4064.750	40.03	-3.18	54.0	13.97	AV	0.00	150	Vertical	Pass
4	6153.250	98.08	1.53	--	33.92	Peak	132.00	150	Vertical	N/A
4**	6153.250	91.14	1.53	--	-91.14	AV	132.00	150	Vertical	N/A
5	11925.875	50.69	-1.20	74.0	23.31	Peak	141.00	150	Vertical	Pass
5**	11925.875	41.22	-1.20	54.0	12.78	AV	141.00	150	Vertical	Pass
6	15824.925	52.11	1.20	74.0	21.89	Peak	0.00	150	Vertical	Pass
6**	15824.925	42.15	1.20	54.0	11.85	AV	0.00	150	Vertical	Pass

11ax160(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT H



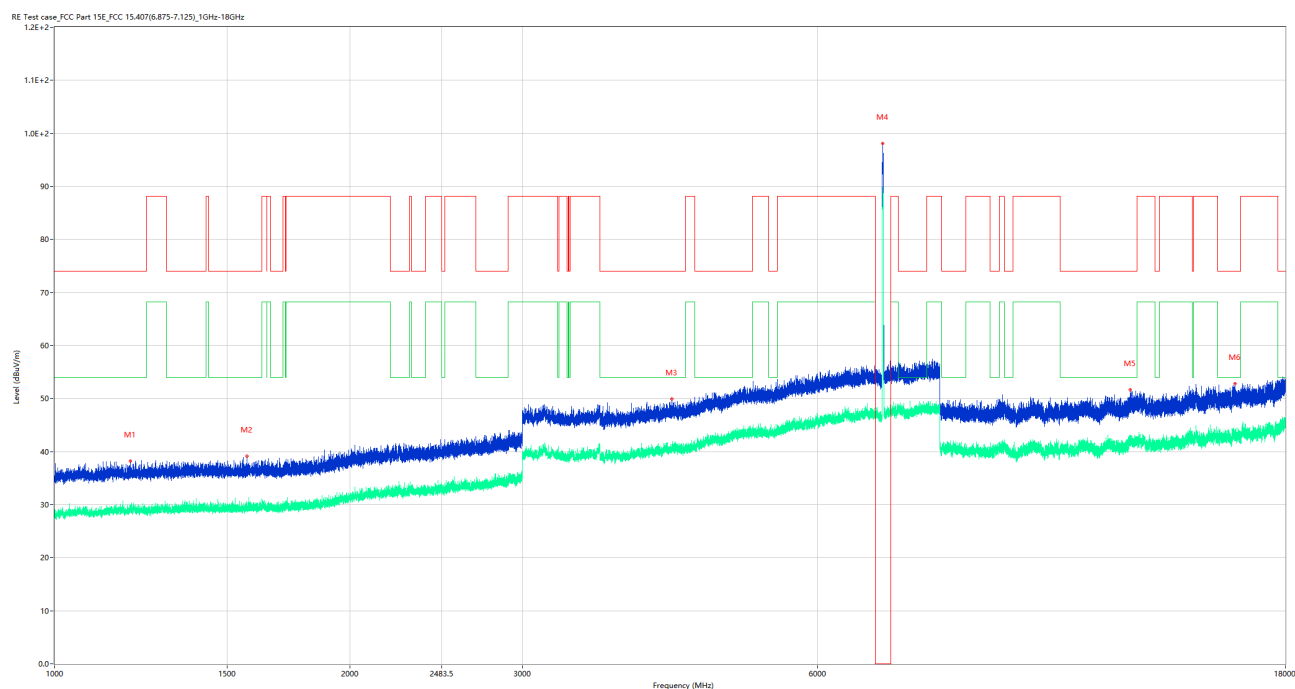
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1026.500	37.83	-16.43	74.0	36.17	Peak	150.00	150	Horizontal	Pass
1**	1026.500	28.43	-16.43	54.0	25.57	AV	150.00	150	Horizontal	Pass
2	1525.100	38.75	-16.30	74.0	35.25	Peak	87.00	150	Horizontal	Pass
2**	1525.100	28.37	-16.30	54.0	25.63	AV	87.00	150	Horizontal	Pass
3	4191.250	49.72	-2.81	74.0	24.28	Peak	182.00	150	Horizontal	Pass
3**	4191.250	40.27	-2.81	54.0	13.73	AV	182.00	150	Horizontal	Pass
4	6187.250	97.42	1.16	--	250.58	Peak	348.00	150	Horizontal	N/A
4**	6187.250	90.25	1.16	--	-90.25	AV	348.00	150	Horizontal	N/A
5	11948.438	50.92	-1.21	74.0	23.08	Peak	284.00	150	Horizontal	Pass
5**	11948.438	41.76	-1.21	54.0	12.24	AV	284.00	150	Horizontal	Pass
6	15758.250	53.53	0.93	74.0	20.47	Peak	222.00	150	Horizontal	Pass
6**	15758.250	43.39	0.93	54.0	10.61	AV	222.00	150	Horizontal	Pass

11ax160(SU), U-NII-5, 1 GHz to 18 GHz, Middle Channel, ANT V



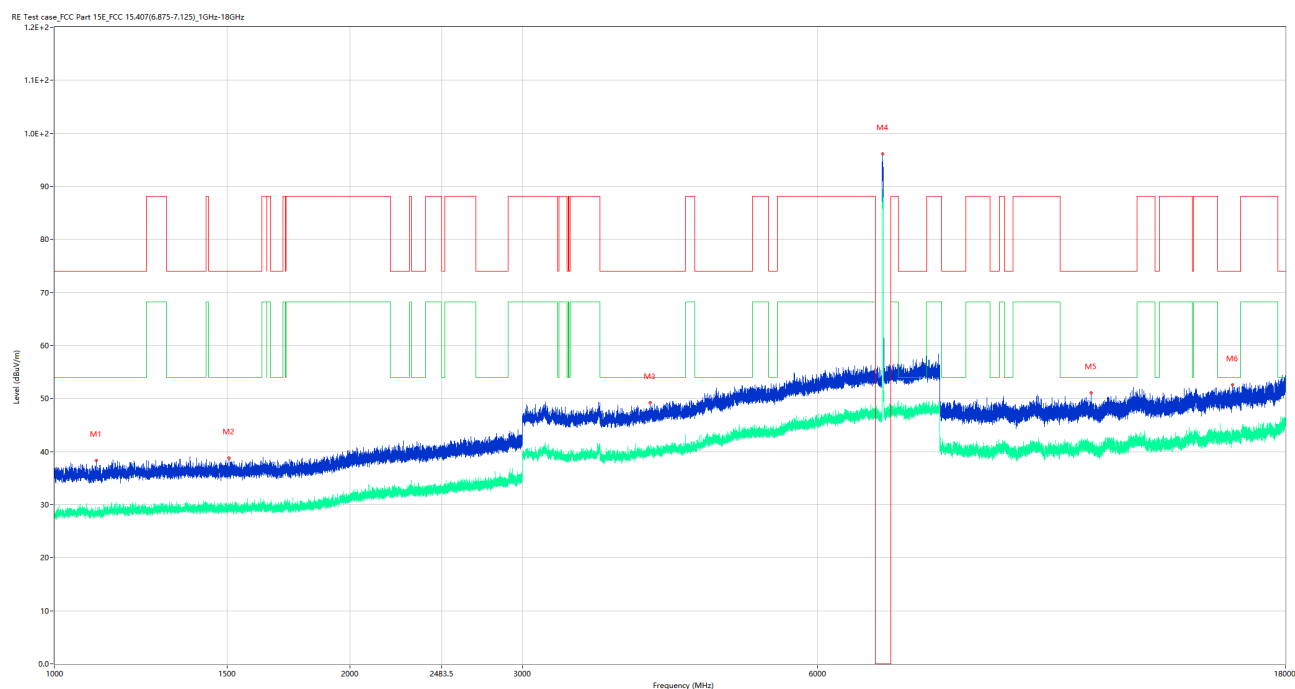
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1207.400	39.24	-16.19	74.0	34.76	Peak	338.00	150	Vertical	Pass
1**	1207.400	29.19	-16.19	54.0	24.81	AV	338.00	150	Vertical	Pass
2	2244.800	41.10	-12.59	74.0	32.90	Peak	67.00	150	Vertical	Pass
2**	2244.800	32.44	-12.59	54.0	21.56	AV	67.00	150	Vertical	Pass
3	3969.250	49.04	-3.26	74.0	24.96	Peak	319.00	150	Vertical	Pass
3**	3969.250	40.53	-3.26	54.0	13.47	AV	319.00	150	Vertical	Pass
4	6187.000	99.18	1.15	--	32.82	Peak	132.00	150	Vertical	N/A
4**	6187.000	91.76	1.15	--	-91.76	AV	132.00	150	Vertical	N/A
5	11161.362	51.15	-1.19	74.0	22.85	Peak	1.00	150	Vertical	Pass
5**	11161.362	41.64	-1.19	54.0	12.36	AV	1.00	150	Vertical	Pass
6	15931.237	52.46	1.32	74.0	21.54	Peak	223.00	150	Vertical	Pass
6**	15931.237	42.67	1.32	54.0	11.33	AV	223.00	150	Vertical	Pass

11ax20(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT H



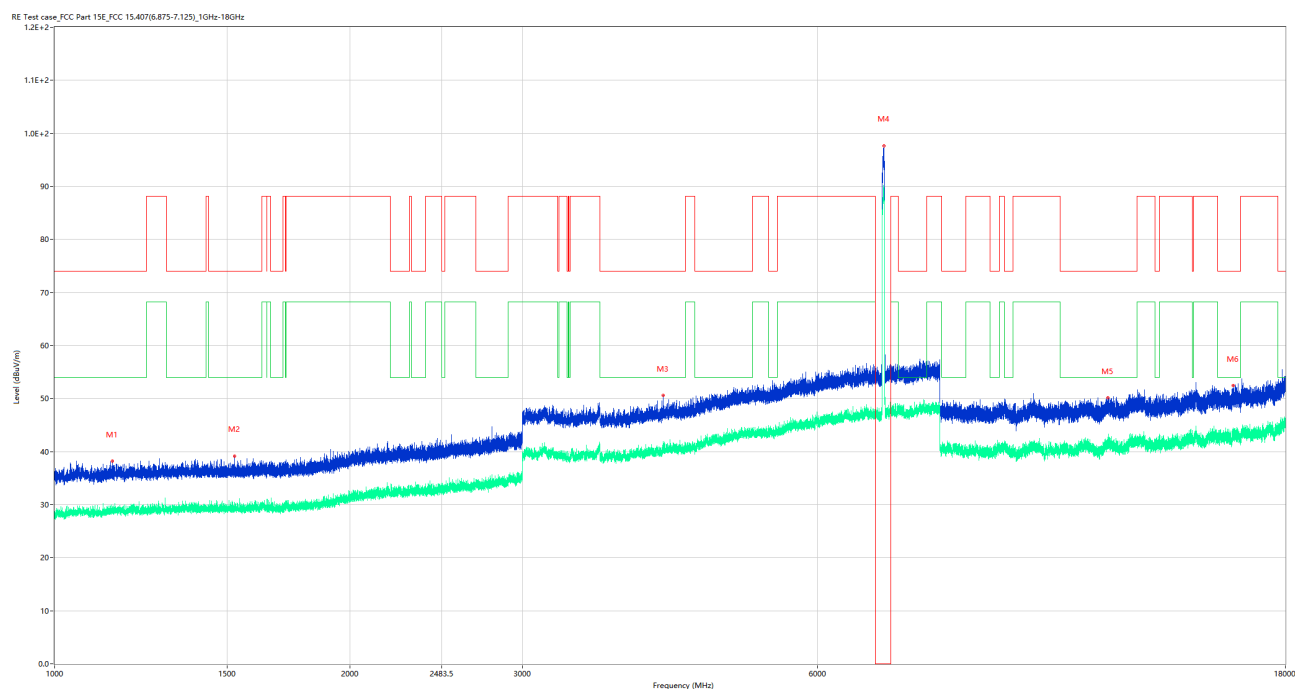
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1193.700	38.26	-16.20	74.0	35.74	Peak	105.00	150	Horizontal	Pass
1**	1193.700	29.59	-16.20	54.0	24.41	AV	105.00	150	Horizontal	Pass
2	1570.500	39.16	-16.24	74.0	34.84	Peak	303.00	150	Horizontal	Pass
2**	1570.500	29.86	-16.24	54.0	24.14	AV	303.00	150	Horizontal	Pass
3	4262.000	49.94	-2.96	74.0	24.06	Peak	312.00	150	Horizontal	Pass
3**	4262.000	40.40	-2.96	54.0	13.60	AV	312.00	150	Horizontal	Pass
4	6992.750	98.08	1.80	--	258.92	Peak	357.00	150	Horizontal	N/A
4**	6992.750	87.57	1.80	--	-87.57	AV	357.00	150	Horizontal	N/A
5	12500.388	51.65	-0.07	74.0	22.35	Peak	266.00	150	Horizontal	Pass
5**	12500.388	43.12	-0.07	54.0	10.88	AV	266.00	150	Horizontal	Pass
6	16006.838	52.78	1.08	74.0	21.22	Peak	360.00	150	Horizontal	Pass
6**	16006.838	42.90	1.08	54.0	11.10	AV	360.00	150	Horizontal	Pass

11ax20(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT V



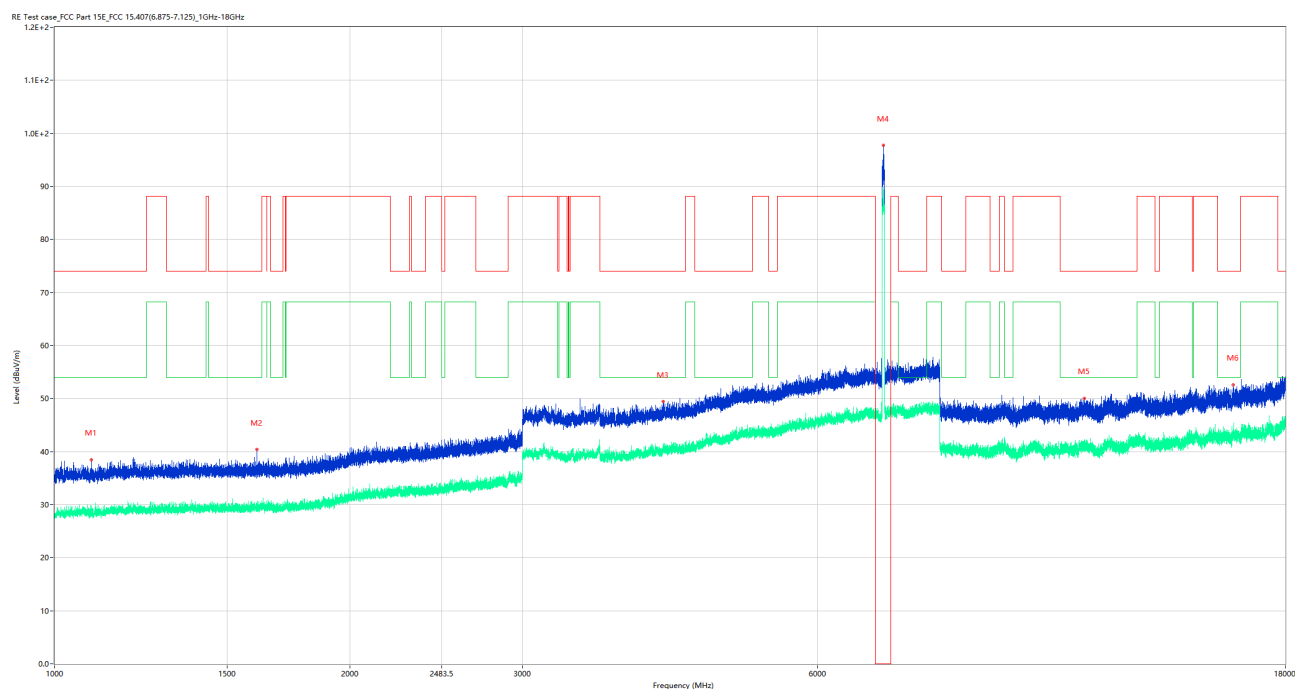
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1102.900	38.33	-16.43	74.0	35.67	Peak	310.00	150	Vertical	Pass
1**	1102.900	28.17	-16.43	54.0	25.83	AV	310.00	150	Vertical	Pass
2	1506.100	38.83	-16.24	74.0	35.17	Peak	220.00	150	Vertical	Pass
2**	1506.100	29.27	-16.24	54.0	24.73	AV	220.00	150	Vertical	Pass
3	4051.500	49.24	-3.03	74.0	24.76	Peak	47.00	150	Vertical	Pass
3**	4051.500	40.21	-3.03	54.0	13.79	AV	47.00	150	Vertical	Pass
4	6994.000	96.17	1.78	--	34.83	Peak	131.00	150	Vertical	N/A
4**	6994.000	89.32	1.78	--	-89.32	AV	131.00	150	Vertical	N/A
5	11410.025	51.11	-1.37	74.0	22.89	Peak	41.00	150	Vertical	Pass
5**	11410.025	40.49	-1.37	54.0	13.51	AV	41.00	150	Vertical	Pass
6	15893.175	52.54	1.63	74.0	21.46	Peak	17.00	150	Vertical	Pass
6**	15893.175	43.13	1.63	54.0	10.87	AV	17.00	150	Vertical	Pass

11ax40(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT H



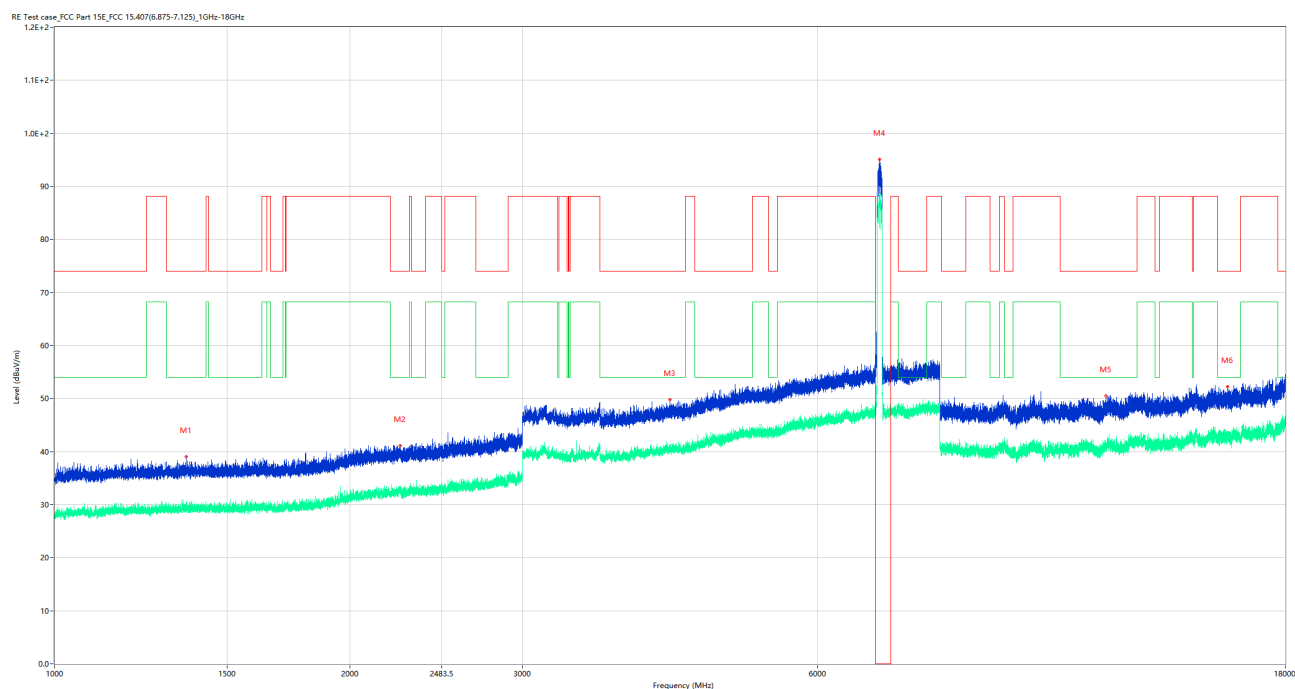
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1145.800	38.25	-16.24	74.0	35.75	Peak	107.00	150	Horizontal	Pass
1**	1145.800	28.80	-16.24	54.0	25.20	AV	107.00	150	Horizontal	Pass
2	1525.300	39.20	-16.30	74.0	34.80	Peak	0.00	150	Horizontal	Pass
2**	1525.300	29.58	-16.30	54.0	24.42	AV	0.00	150	Horizontal	Pass
3	4176.750	50.65	-3.14	74.0	23.35	Peak	0.00	150	Horizontal	Pass
3**	4176.750	40.45	-3.14	54.0	13.55	AV	0.00	150	Horizontal	Pass
4	7010.750	97.69	2.48	--	-97.69	Peak	0.00	150	Horizontal	N/A
4**	7010.750	89.34	2.48	--	-89.34	AV	0.00	150	Horizontal	N/A
5	11867.213	50.11	-0.69	74.0	23.89	Peak	77.00	150	Horizontal	Pass
5**	11867.213	41.82	-0.69	54.0	12.18	AV	77.00	150	Horizontal	Pass
6	15927.825	52.43	1.00	74.0	21.57	Peak	0.00	150	Horizontal	Pass
6**	15927.825	42.99	1.00	54.0	11.01	AV	0.00	150	Horizontal	Pass

11ax40(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT V



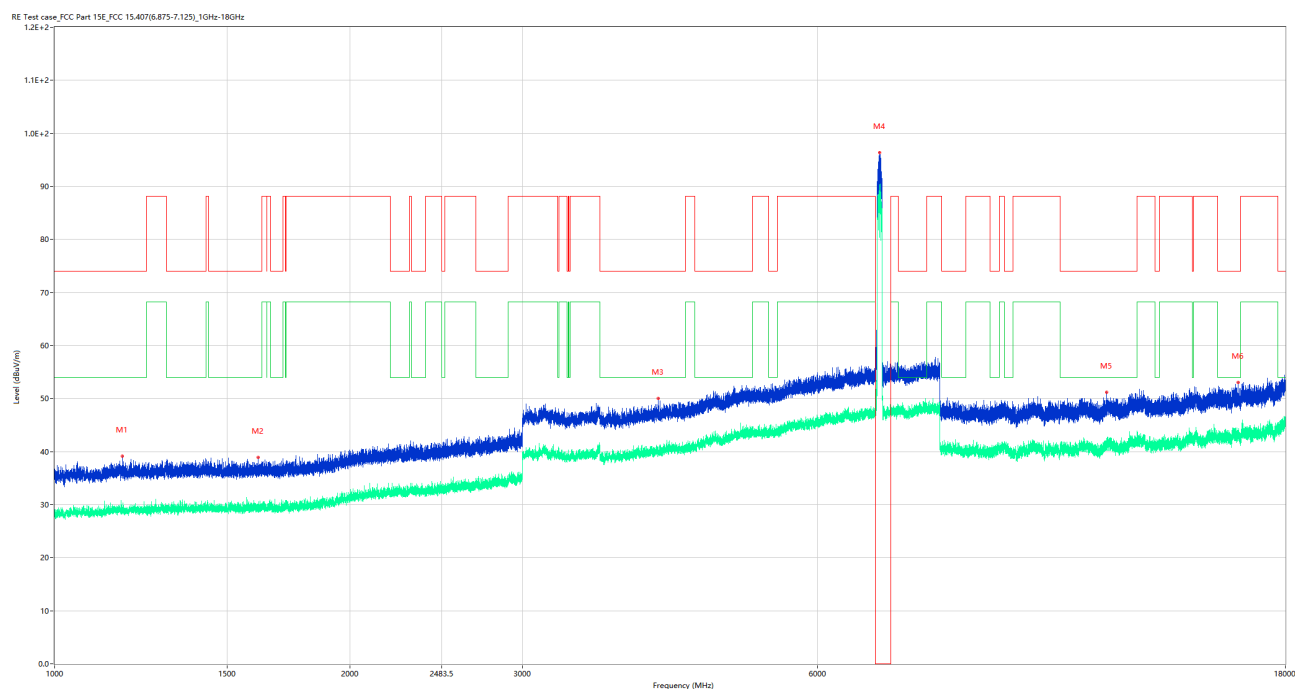
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1089.200	38.51	-16.39	74.0	35.49	Peak	332.00	150	Vertical	Pass
1**	1089.200	27.84	-16.39	54.0	26.16	AV	332.00	150	Vertical	Pass
2	1608.200	40.44	-16.32	74.0	33.56	Peak	291.00	150	Vertical	Pass
2**	1608.200	29.36	-16.32	54.0	24.64	AV	291.00	150	Vertical	Pass
3	4174.250	49.44	-3.28	74.0	24.56	Peak	92.00	150	Vertical	Pass
3**	4174.250	39.93	-3.28	54.0	14.07	AV	92.00	150	Vertical	Pass
4	7006.000	97.72	2.15	--	10.28	Peak	108.00	150	Vertical	N/A
4**	7006.000	89.85	2.15	--	-89.85	AV	108.00	150	Vertical	N/A
5	11227.388	49.98	-1.47	74.0	24.02	Peak	319.00	150	Vertical	Pass
5**	11227.388	42.05	-1.47	54.0	11.95	AV	319.00	150	Vertical	Pass
6	15937.800	52.57	1.53	74.0	21.43	Peak	100.00	150	Vertical	Pass
6**	15937.800	43.58	1.53	54.0	10.42	AV	100.00	150	Vertical	Pass

11ax80(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT H



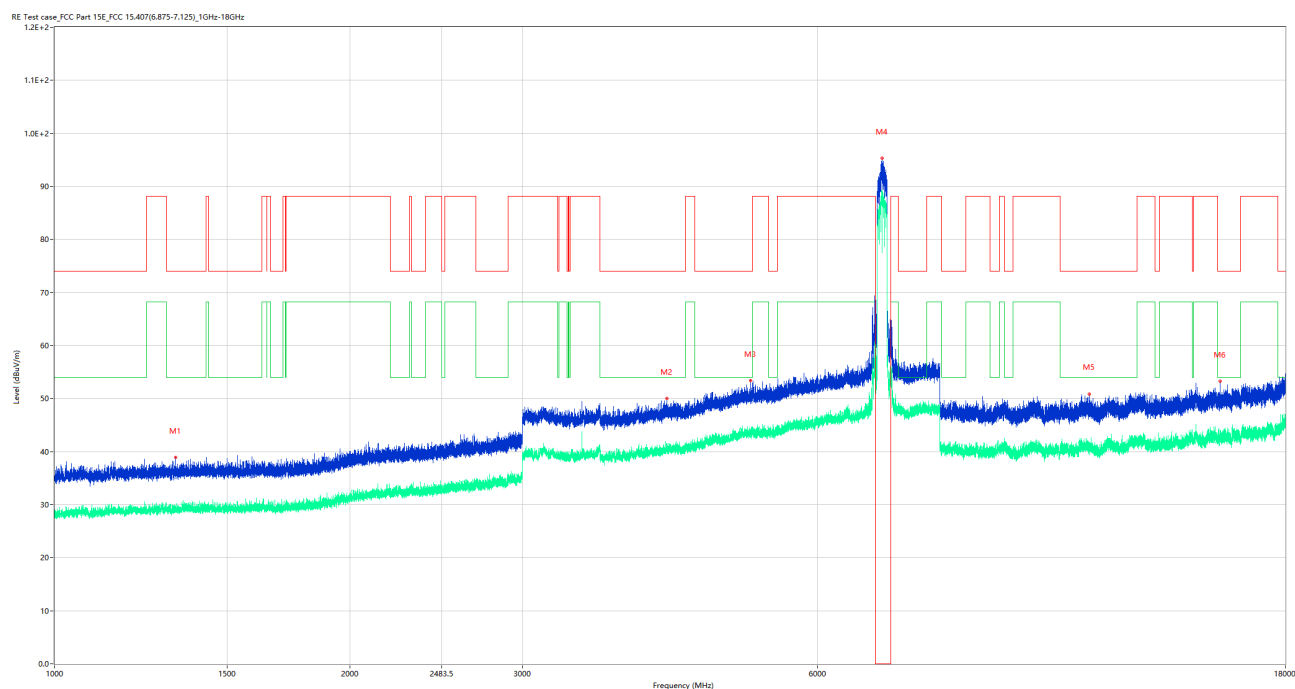
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1362.600	39.02	-16.28	74.0	34.98	Peak	0.00	150	Horizontal	Pass
1**	1362.600	29.25	-16.28	54.0	24.75	AV	0.00	150	Horizontal	Pass
2	2251.000	41.11	-12.48	74.0	32.89	Peak	260.00	150	Horizontal	Pass
2**	2251.000	32.78	-12.48	54.0	21.22	AV	260.00	150	Horizontal	Pass
3	4242.000	49.78	-2.49	74.0	24.22	Peak	24.00	150	Horizontal	Pass
3**	4242.000	40.25	-2.49	54.0	13.75	AV	24.00	150	Horizontal	Pass
4	6940.750	95.12	1.48	--	249.88	Peak	345.00	150	Horizontal	N/A
4**	6940.750	88.54	1.48	--	-88.54	AV	345.00	150	Horizontal	N/A
5	11809.263	50.47	-1.31	74.0	23.53	Peak	243.00	150	Horizontal	Pass
5**	11809.263	40.81	-1.31	54.0	13.19	AV	243.00	150	Horizontal	Pass
6	15714.938	52.19	1.16	74.0	21.81	Peak	360.00	150	Horizontal	Pass
6**	15714.938	43.25	1.16	54.0	10.75	AV	360.00	150	Horizontal	Pass

11ax80(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT V



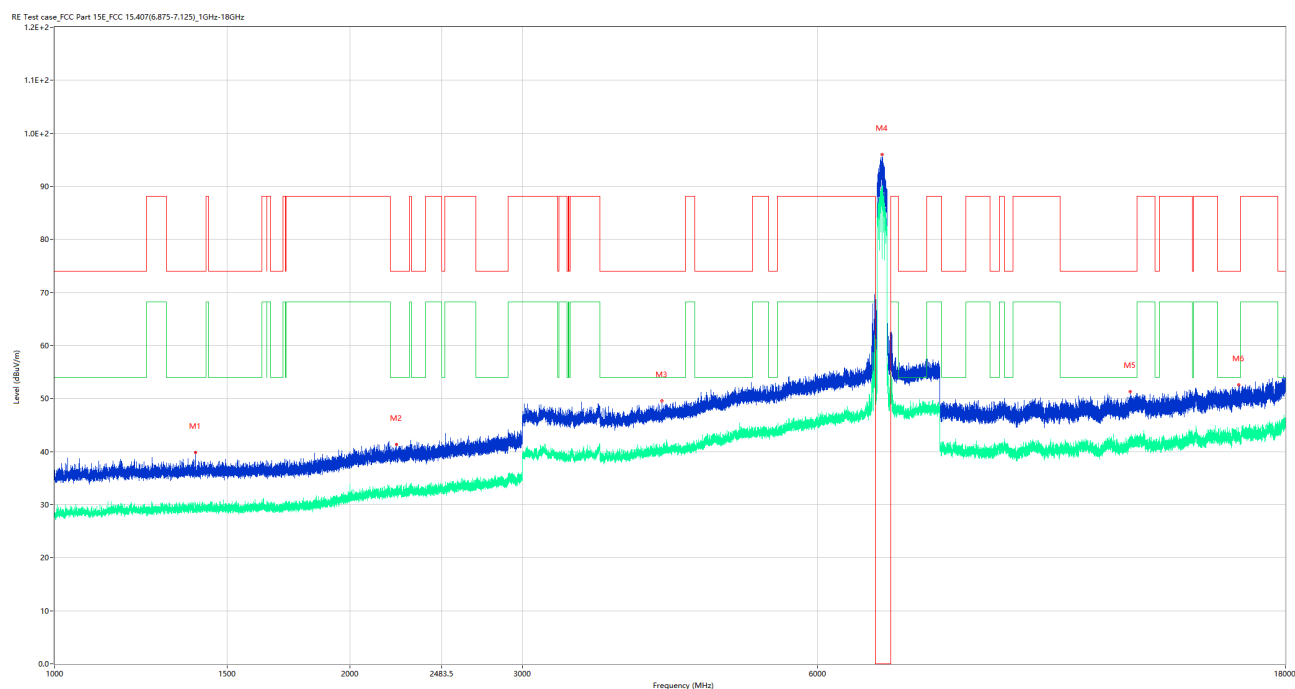
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1172.500	39.18	-16.14	74.0	34.82	Peak	0.00	150	Vertical	Pass
1**	1172.500	29.15	-16.14	54.0	24.85	AV	0.00	150	Vertical	Pass
2	1612.000	38.91	-16.24	74.0	35.09	Peak	359.00	150	Vertical	Pass
2**	1612.000	29.65	-16.24	54.0	24.35	AV	359.00	150	Vertical	Pass
3	4127.250	50.07	-3.47	74.0	23.93	Peak	0.00	150	Vertical	Pass
3**	4127.250	39.64	-3.47	54.0	14.36	AV	0.00	150	Vertical	Pass
4	6941.500	96.37	1.50	--	11.63	Peak	108.00	150	Vertical	N/A
4**	6941.500	89.28	1.50	--	-89.28	AV	108.00	150	Vertical	N/A
5	11836.812	51.19	-1.13	74.0	22.81	Peak	341.00	150	Vertical	Pass
5**	11836.812	40.94	-1.13	54.0	13.06	AV	341.00	150	Vertical	Pass
6	16116.563	53.04	1.67	74.0	20.96	Peak	0.00	150	Vertical	Pass
6**	16116.563	43.03	1.67	54.0	10.97	AV	0.00	150	Vertical	Pass

11ax160(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.600	38.95	-16.25	74.0	35.05	Peak	176.00	150	Horizontal	Pass
1**	1328.600	28.69	-16.25	54.0	25.31	AV	176.00	150	Horizontal	Pass
2	4210.750	49.99	-2.35	74.0	24.01	Peak	228.00	150	Horizontal	Pass
2**	4210.750	40.50	-2.35	54.0	13.50	AV	228.00	150	Horizontal	Pass
3	5124.000	53.35	-0.83	74.0	20.65	Peak	92.00	150	Horizontal	Pass
3**	5124.000	43.30	-0.83	54.0	10.70	AV	92.00	150	Horizontal	Pass
4	6982.000	95.33	1.89	--	264.67	Peak	360.00	150	Horizontal	N/A
4**	6982.000	88.27	1.89	--	-88.27	AV	360.00	150	Horizontal	N/A
5	11357.300	50.90	-1.59	74.0	23.10	Peak	7.00	150	Horizontal	Pass
5**	11357.300	39.71	-1.59	54.0	14.29	AV	7.00	150	Horizontal	Pass
6	15445.613	53.23	1.44	74.0	20.77	Peak	207.00	150	Horizontal	Pass
6**	15445.613	43.10	1.44	54.0	10.90	AV	207.00	150	Horizontal	Pass

11ax160(SU), U-NII-8, 1 GHz to 18 GHz, Middle Channel, ANT V



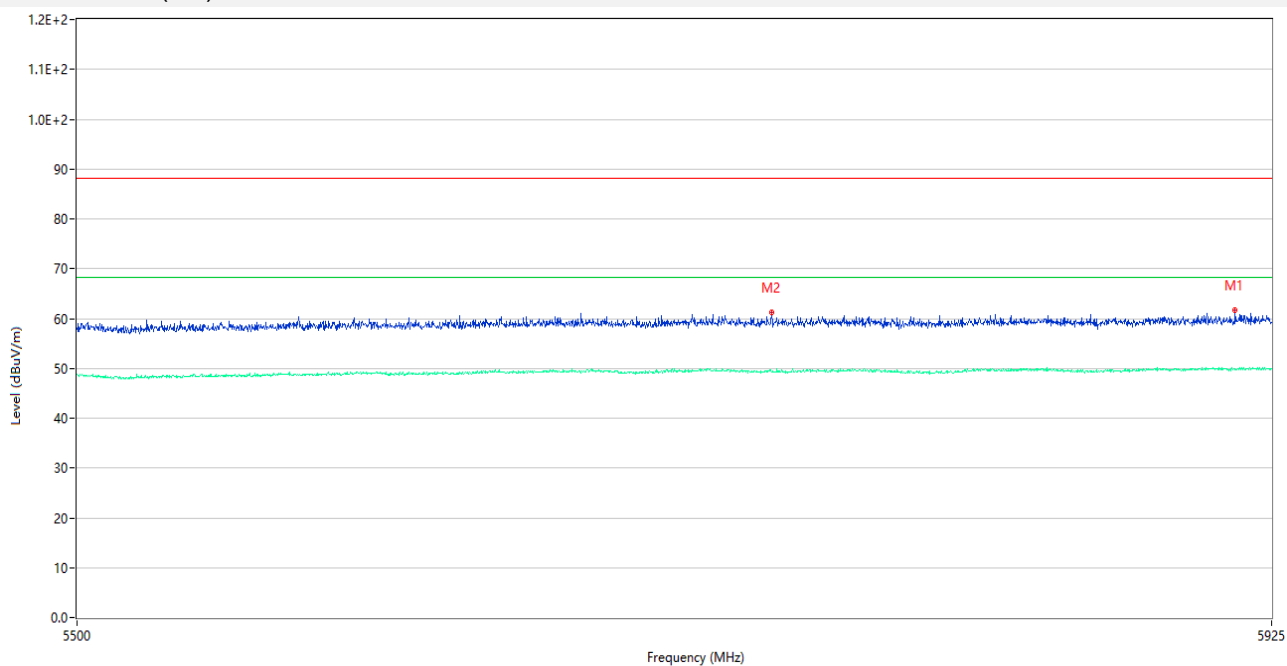
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1391.400	39.88	-16.28	74.0	34.12	Peak	22.00	150	Vertical	Pass
1**	1391.400	29.31	-16.28	54.0	24.69	AV	22.00	150	Vertical	Pass
2	2231.300	41.31	-13.11	74.0	32.69	Peak	71.00	150	Vertical	Pass
2**	2231.300	31.95	-13.11	54.0	22.05	AV	71.00	150	Vertical	Pass
3	4163.750	49.60	-3.62	74.0	24.40	Peak	261.00	150	Vertical	Pass
3**	4163.750	40.26	-3.62	54.0	13.74	AV	261.00	150	Vertical	Pass
4	6981.750	96.03	1.89	--	11.97	Peak	108.00	150	Vertical	N/A
4**	6981.750	89.21	1.89	--	-89.21	AV	108.00	150	Vertical	N/A
5	12498.962	51.29	0.06	74.0	22.71	Peak	219.00	150	Vertical	Pass
5**	12498.962	41.35	0.06	54.0	12.65	AV	219.00	150	Vertical	Pass
6	16147.800	52.57	1.27	74.0	21.43	Peak	1.00	150	Vertical	Pass
6**	16147.800	43.52	1.27	54.0	10.48	AV	1.00	150	Vertical	Pass

A.5.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict
U-NII-5	802.11ax(HE20) (SU)	Low	Pass
	802.11ax(HE40) (SU)	Low	Pass
	802.11ax(HE80) (SU)	Low	Pass
	802.11ax(HE160) (SU)	Low	Pass
U-NII-8	802.11ax(HE20) (SU)	Low	Pass
	802.11ax(HE40) (SU)	Low	Pass
	802.11ax(HE80) (SU)	Low	Pass
	802.11ax(HE160) (SU)	Middle	Pass

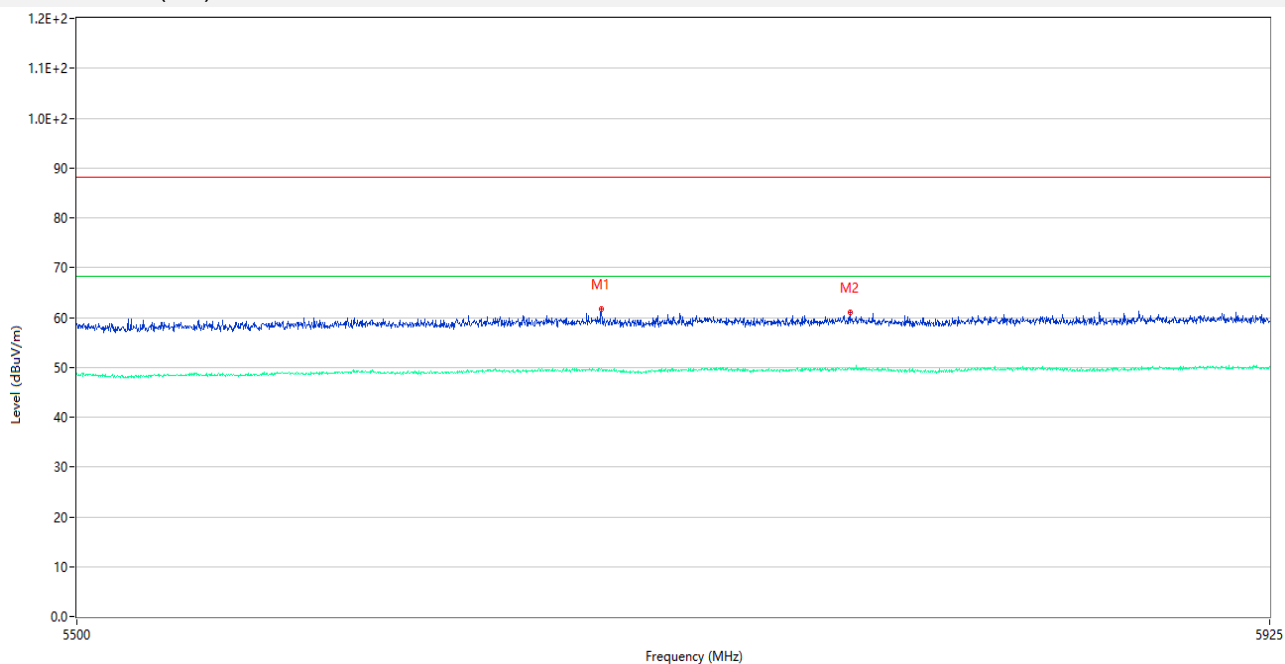
Test Plots

U-NII-5 11ax20 (SU) Low Channel



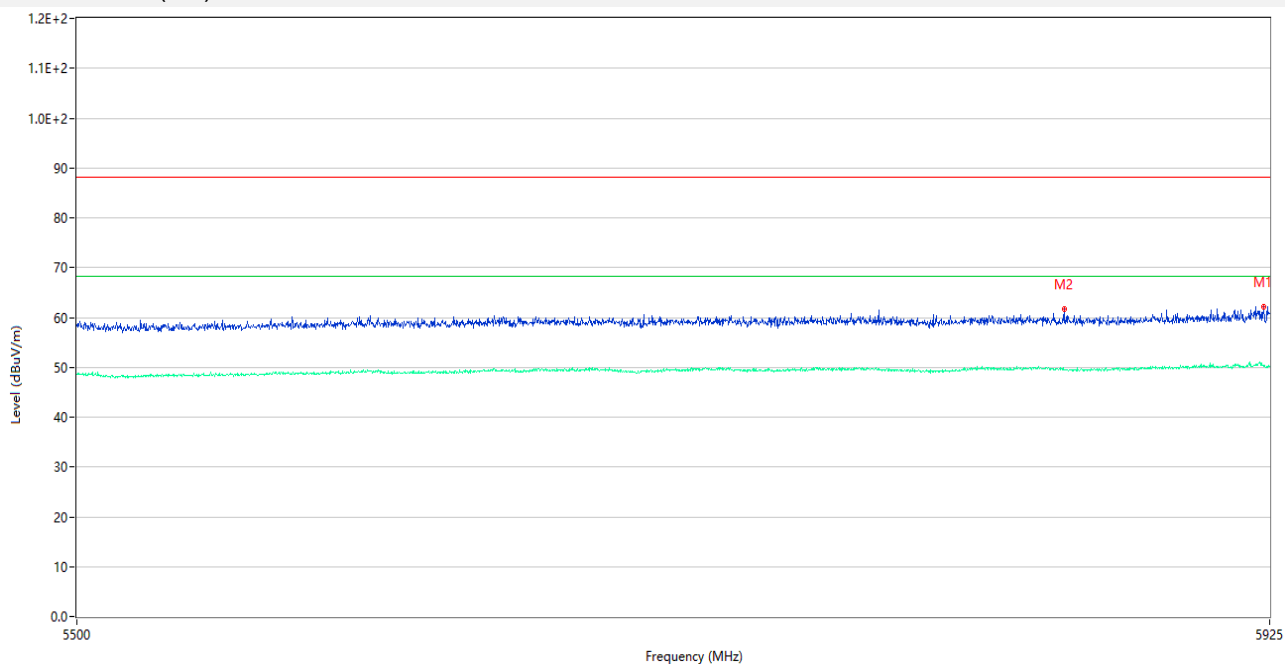
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5911.612	61.59	7.57	88.2	26.61	Peak	58.00	150	Vertical	Pass
1**	5911.612	49.99	7.57	68.2	18.21	AV	58.00	150	Vertical	Pass
2	5743.312	61.31	6.31	88.2	26.89	Peak	0.00	150	Vertical	Pass
2**	5743.312	49.26	6.31	68.2	18.94	AV	0.00	150	Vertical	Pass

U-NII-5 11ax40 (SU) Low Channel



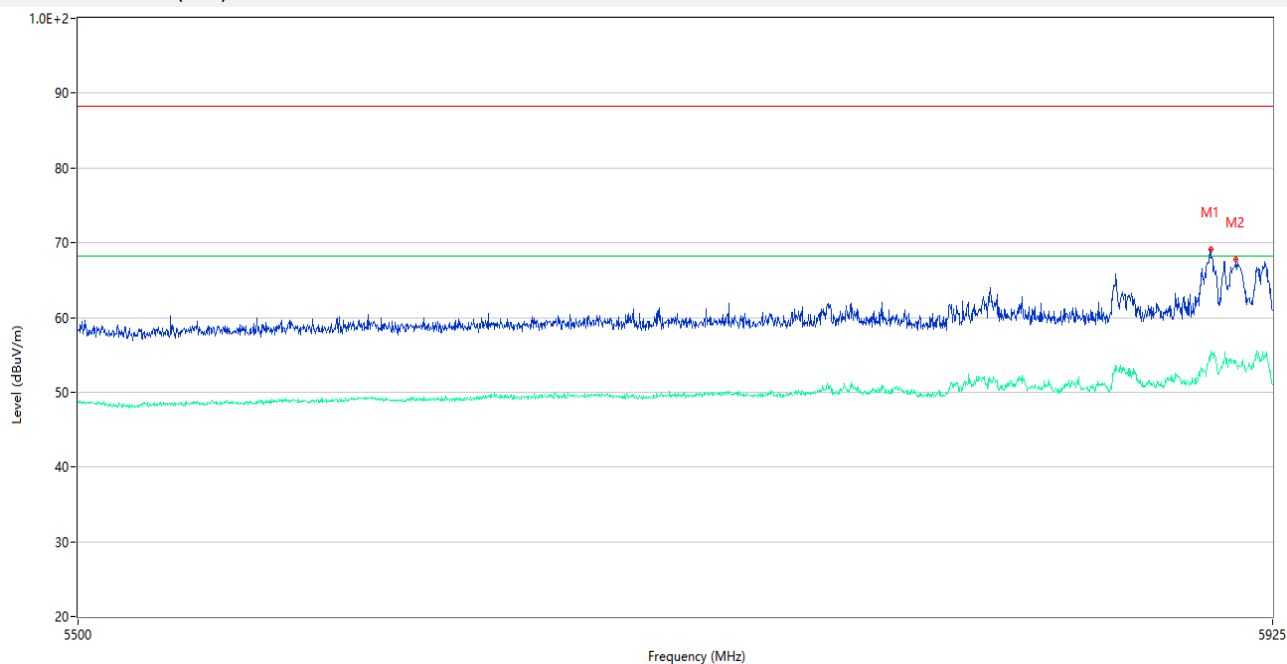
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5682.962	61.66	6.41	88.2	26.54	Peak	6.00	150	Horizontal	Pass
1**	5682.962	49.66	6.41	68.2	18.54	AV	6.00	150	Horizontal	Pass
2	5771.788	61.05	6.84	88.2	27.15	Peak	161.00	150	Horizontal	Pass
2**	5771.788	49.74	6.84	68.2	18.46	AV	161.00	150	Horizontal	Pass

U-NII-5 11ax80 (SU) Low Channel



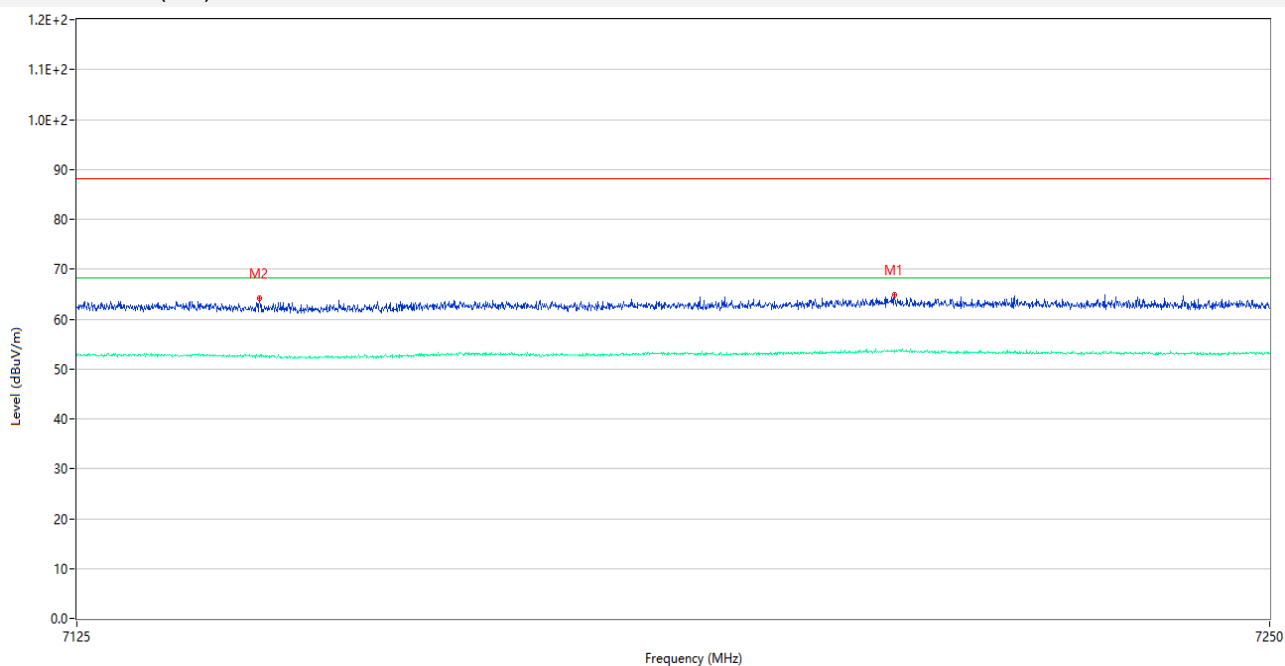
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5922.875	62.11	7.81	88.2	26.09	Peak	124.00	150	Vertical	Pass
1**	5922.875	50.20	7.81	68.2	18.00	AV	124.00	150	Vertical	Pass
2	5849.563	61.71	6.90	88.2	26.49	Peak	0.00	150	Vertical	Pass
2**	5849.563	49.39	6.90	68.2	18.81	AV	0.00	150	Vertical	Pass

U-NII-5 11ax160 (SU) Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5902.263	69.10	7.68	88.2	19.10	Peak	121.00	150	Vertical	Pass
1**	5902.263	55.18	7.68	68.2	13.02	AV	121.00	150	Vertical	Pass
2	5911.612	67.79	7.57	88.2	20.41	Peak	121.00	150	Vertical	Pass
2**	5911.612	54.15	7.57	68.2	14.05	AV	121.00	150	Vertical	Pass

U-NII-8 11ax20 (SU) Low Channel



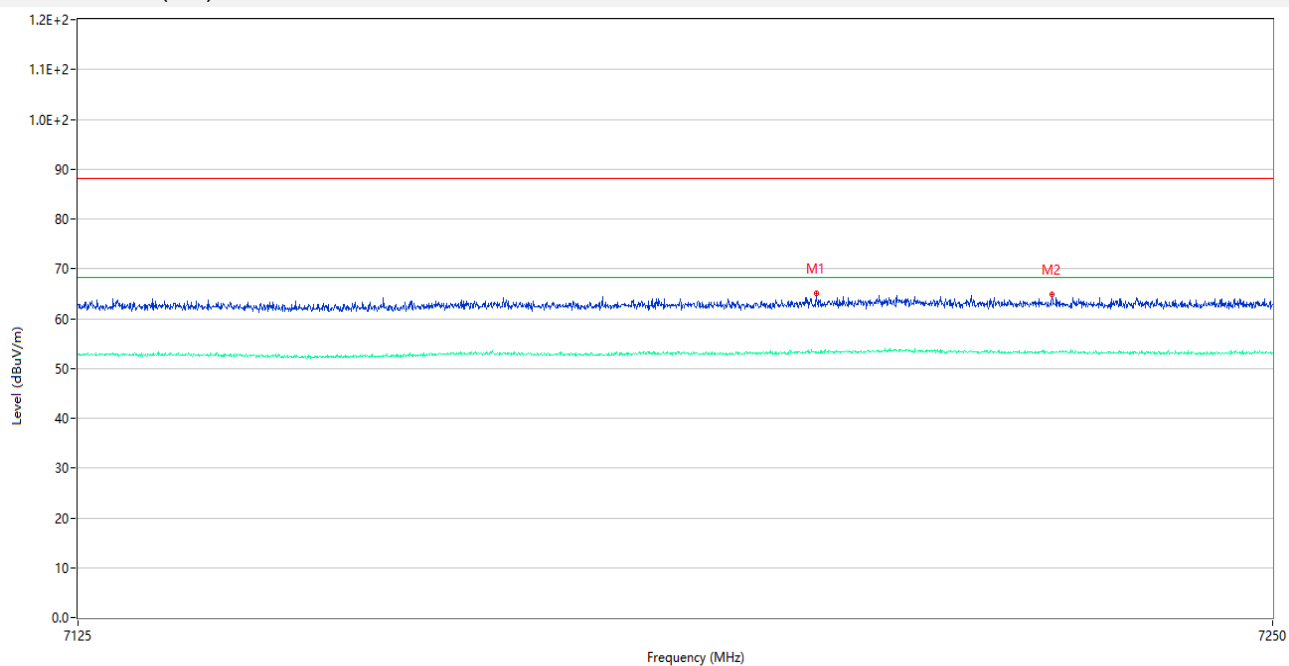
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7210.438	64.86	10.89	88.2	23.34	Peak	360.00	150	Horizontal	Pass
1**	7210.438	53.67	10.89	68.2	14.53	AV	360.00	150	Horizontal	Pass
2	7144.000	64.16	9.11	88.2	24.04	Peak	211.00	150	Horizontal	Pass
2**	7144.000	52.42	9.11	68.2	15.78	AV	211.00	150	Horizontal	Pass

U-NII-8 11ax40 (SU) Low Channel



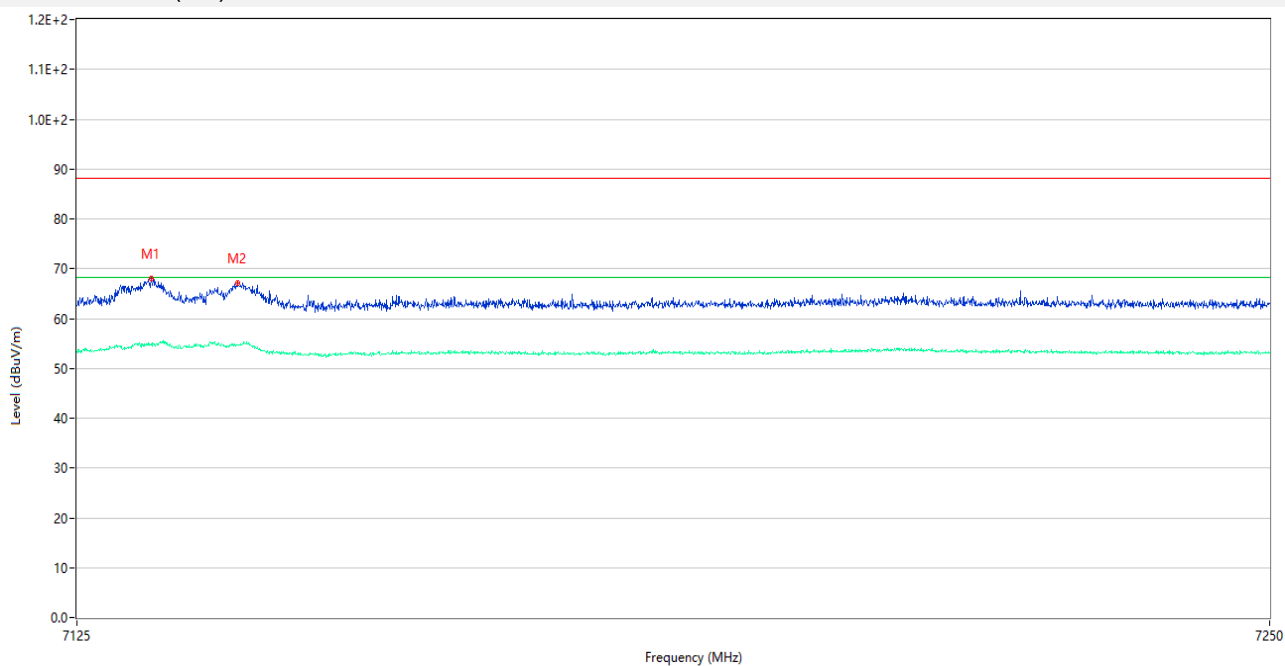
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7249.438	64.97	10.20	88.2	23.23	Peak	335.00	150	Vertical	Pass
1**	7249.438	53.08	10.20	68.2	15.12	AV	335.00	150	Vertical	Pass
2	7223.312	64.56	10.63	88.2	23.64	Peak	68.00	150	Vertical	Pass
2**	7223.312	53.44	10.63	68.2	14.76	AV	68.00	150	Vertical	Pass

U-NII-8 11ax80 (SU) Low Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7202.000	65.11	10.23	88.2	23.09	Peak	319.00	150	Vertical	Pass
1**	7202.000	53.43	10.23	68.2	14.77	AV	319.00	150	Vertical	Pass
2	7226.750	64.84	10.59	88.2	23.36	Peak	120.00	150	Vertical	Pass
2**	7226.750	53.23	10.59	68.2	14.97	AV	120.00	150	Vertical	Pass

U-NII-8 11ax160 (SU) Middle Channel



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7132.687	68.00	9.34	88.2	20.20	Peak	357.00	150	Horizontal	Pass
1**	7132.687	54.87	9.34	68.2	13.33	AV	357.00	150	Horizontal	Pass
2	7141.750	67.01	9.19	88.2	21.19	Peak	355.00	150	Horizontal	Pass
2**	7141.750	54.72	9.19	68.2	13.48	AV	355.00	150	Horizontal	Pass

A.6 Contention Based Protocol

Interference Signals used for Tests

Interference Signals Type	Bandwidth (MHz)
AWGN	10

Regulated Threshold Level

Test Method	Interference threshold level
☒ Conducted ☐ Radiation	The Regulated Threshold Level = -62 dBm (assumes a 0 dBi receive antenna) and minimum antenna gain is 3 dBi. The Regulated Threshold Level = -62 dBm + G (3 dBi) = -59 dBm

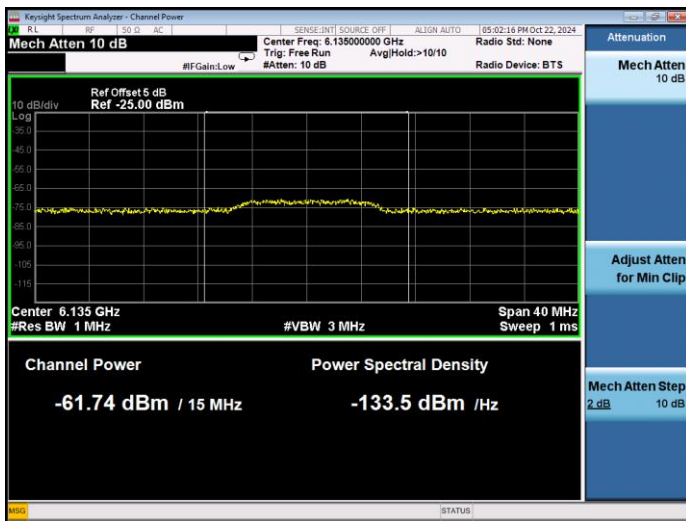
Test Data

U-NII-5 (5925 MHz to 6425 MHz)								
Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Measured Detection Level (dBm)	Detection Rate	Regulated Threshold Level (dBm)	Margin (dB)	Verdict
802.11ax (HE20)	37	6135	6135	-61.74	100%	-59.00	2.74	Pass
802.11ax (HE160)	47	6185	6110	-64.57	100%	-59.00	5.57	Pass
			6185	-62.85	90%	-59.00	3.85	Pass
			6260	-63.74	100%	-59.00	4.74	Pass

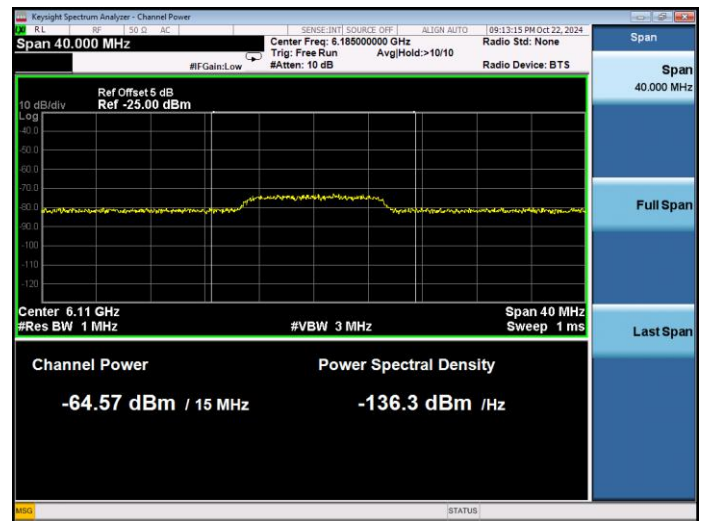
Test Plots

Plots of Incumbent signal(AWGN) Level

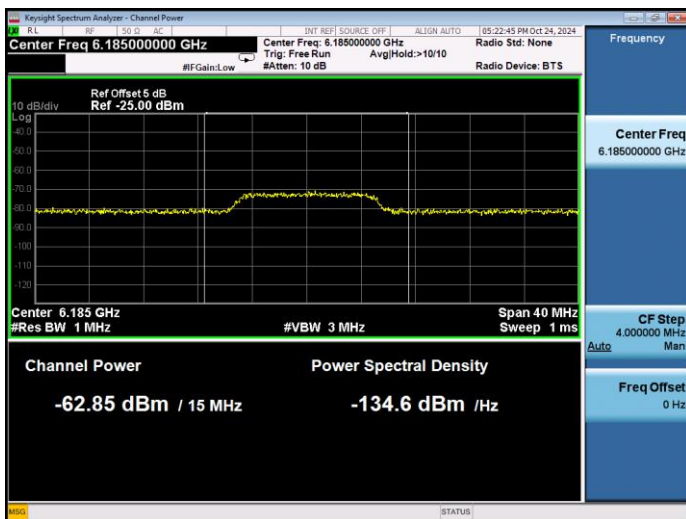
802.11ax (HE20)-Channel 53



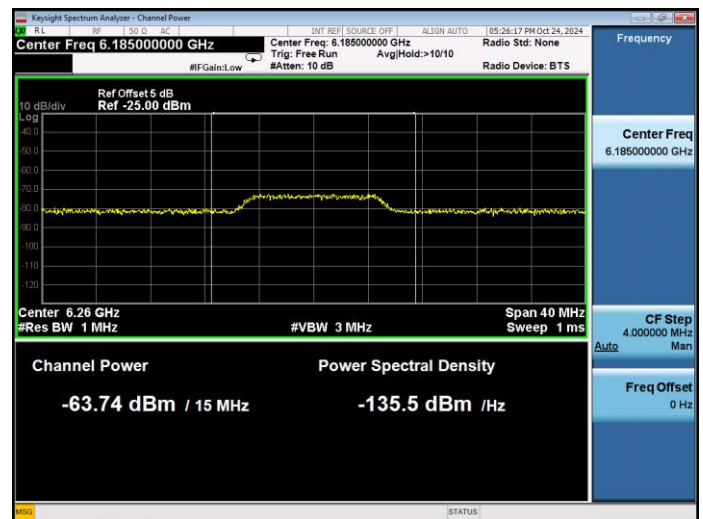
802.11ax (HE160)-Channel 47 (Low Edge)



802.11ax (HE160)-Channel 47 (Middle Edge)



802.11ax (HE160)-Channel 47 (High Edge)

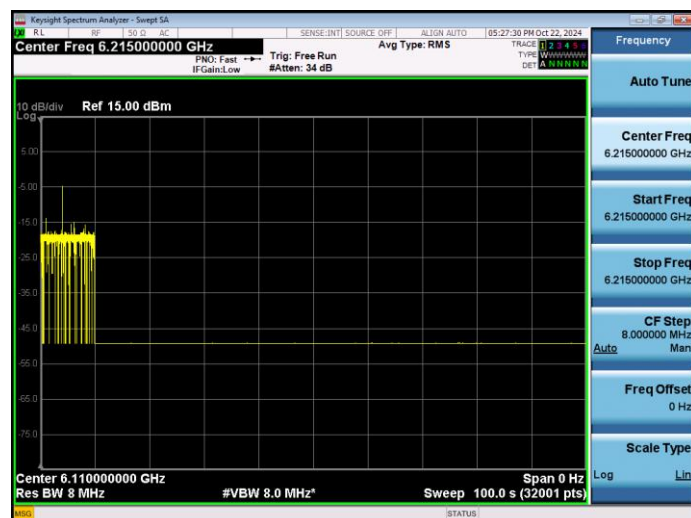


Plots of EUT Tx waveform

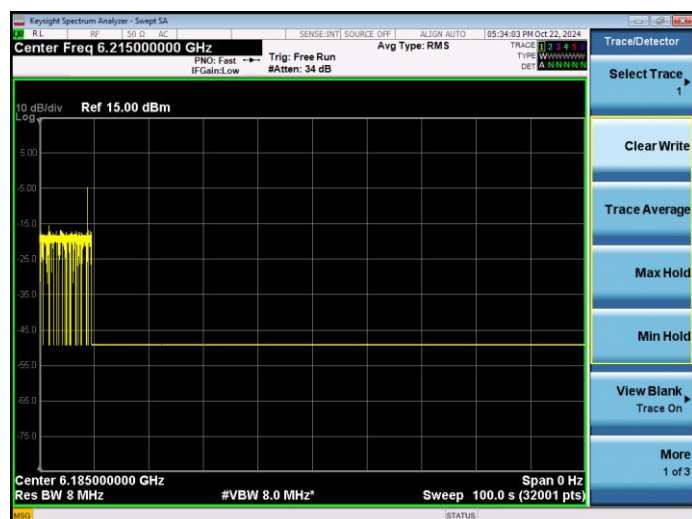
802.11ax (HE20)-Channel 53



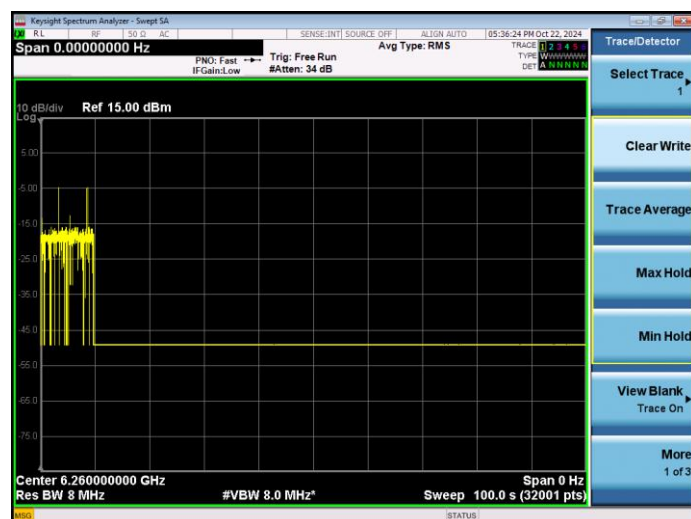
802.11ax (HE160)-Channel 47 (Low Edge)



802.11ax (HE160)-Channel 47 (Middle Edge)



802.11ax (HE160)-Channel 47 (High Edge)



Interference Signals used for Tests

Interference Signals Type	Bandwidth (MHz)
AWGN	10

Regulated Threshold Level

Test Method	Interference threshold level
☒ Conducted ☐ Radiation	The Regulated Threshold Level = -62 dBm (assumes a 0 dBi receive antenna) and minimum antenna gain is 3 Bi. The Regulated Threshold Level = -62 dBm + G (3 dBi) = -59m

Test Data

U-NII-8 (6875 MHz to 7125 MHz)								
Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Measured Detection Level (dBm)	Detection Rate	Regulated Threshold Level (dBm)	Margin (dB)	Verdict
802.11ax (HE20)	193	6915	6915	-64.57	100%	-59.00	5.57	Pass
802.11ax (HE160)	207	6985	6910	-63.74	100%	-59.00	4.74	Pass
			6985	-64.73	90%	-59.00	5.73	Pass
			7060	-62.51	100%	-59.00	3.51	Pass

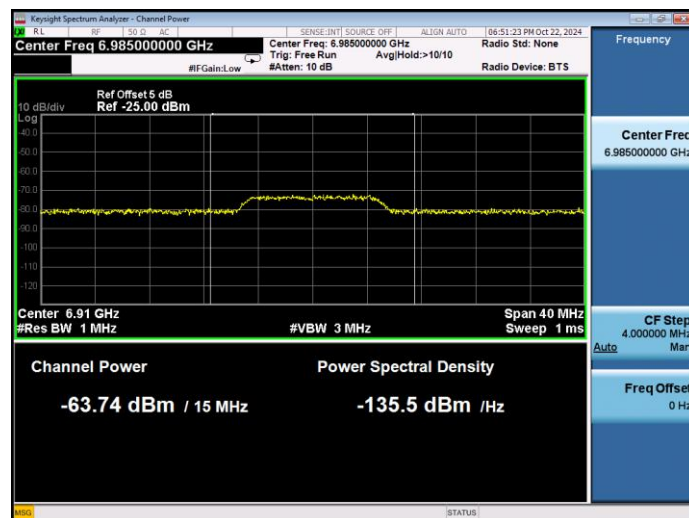
Test Plots

Plots of Incumbent signal(AWGN) Level

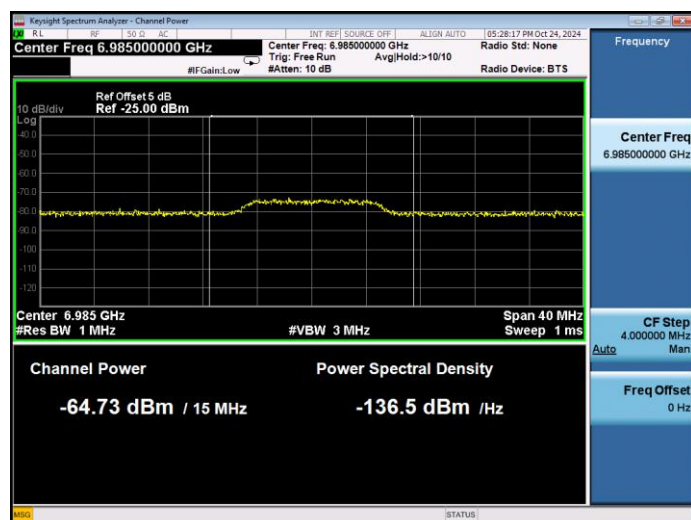
802.11ax (HE20)-Channel 213



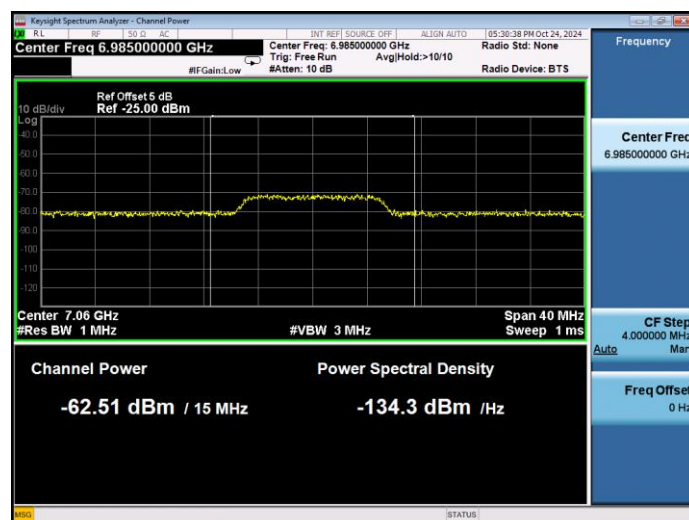
802.11ax (HE160)-Channel 207 (Low Edge)



802.11ax (HE160)-Channel 207 (Middle Edge)



802.11ax (HE160)-Channel 207 (High Edge)

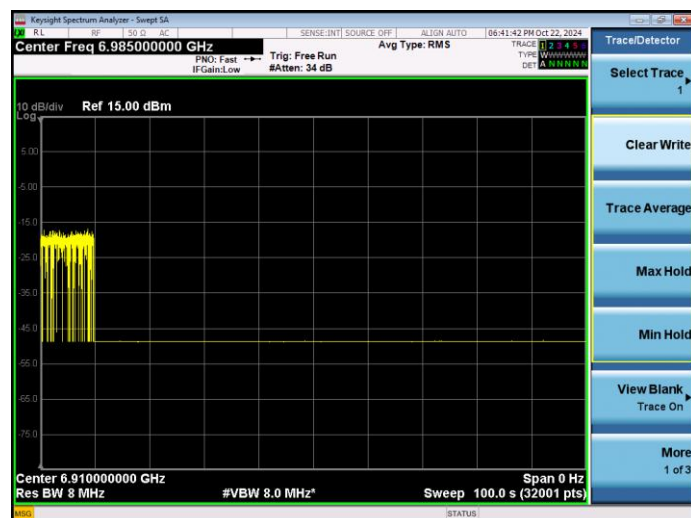


Plots of EUT Tx waveform

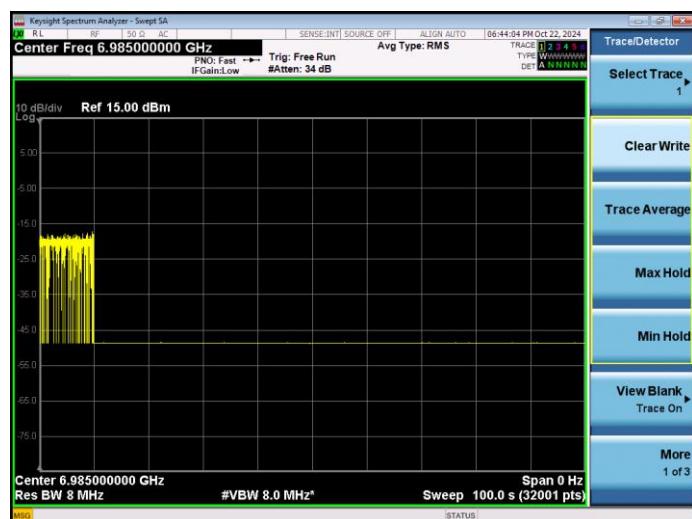
802.11ax (HE20)-Channel 213



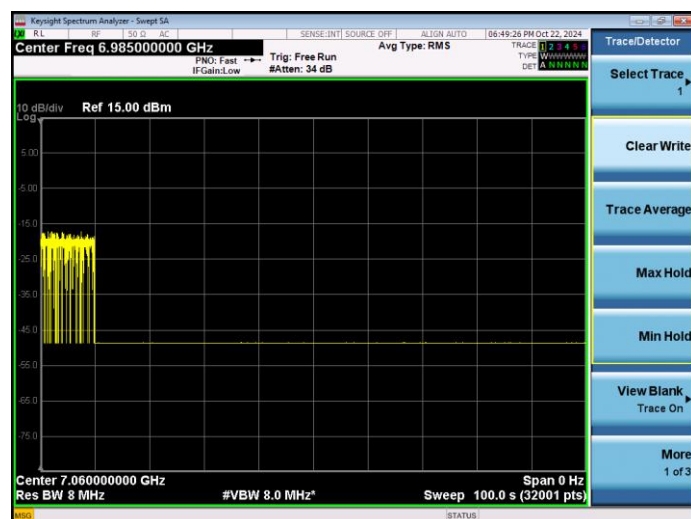
802.11ax (HE160)-Channel 207 (Low Edge)



802.11ax (HE160)-Channel 207 (Middle Edge)



802.11ax (HE160)-Channel 207 (High Edge)

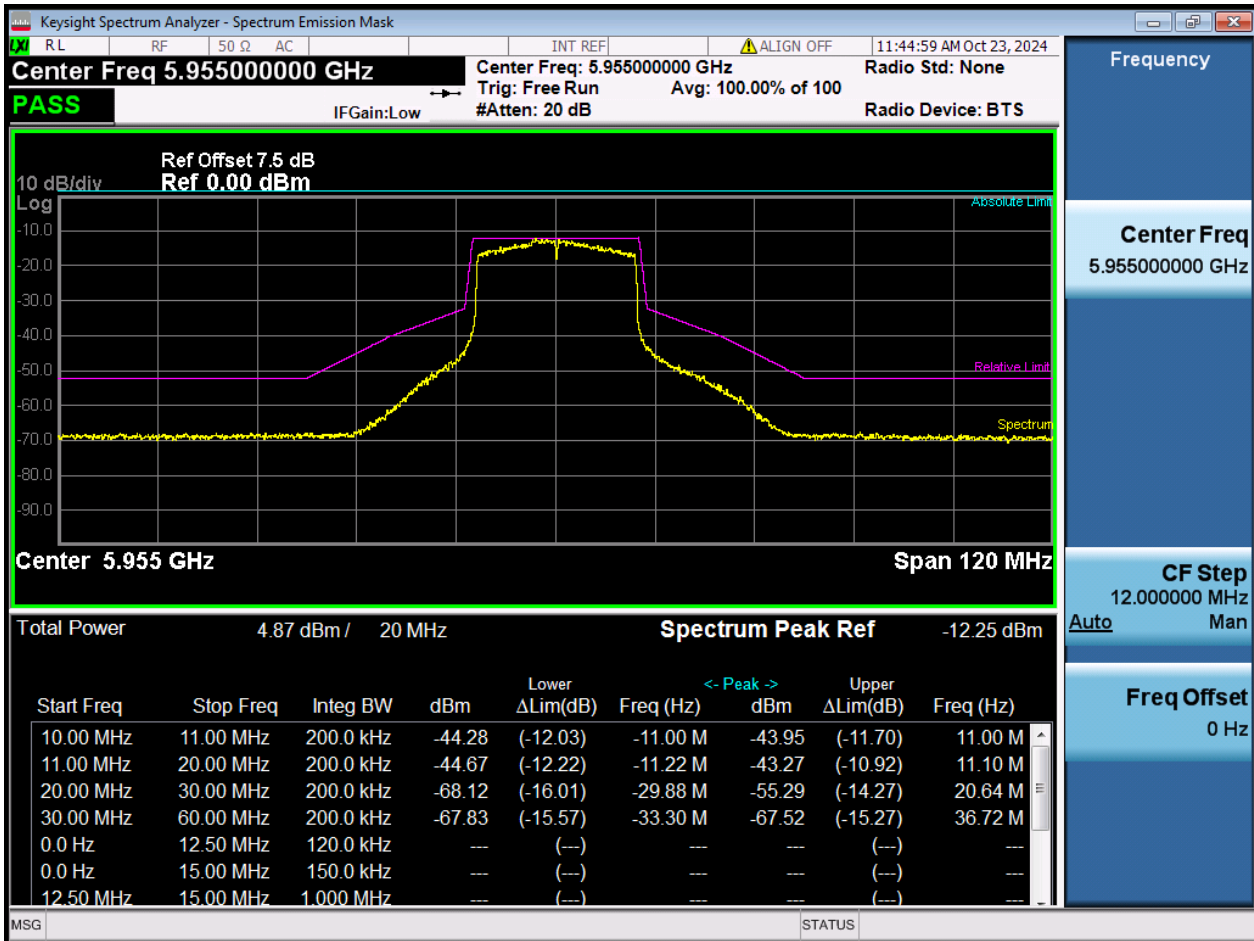


A.7 In-Band Emissions

Test Data and Plots

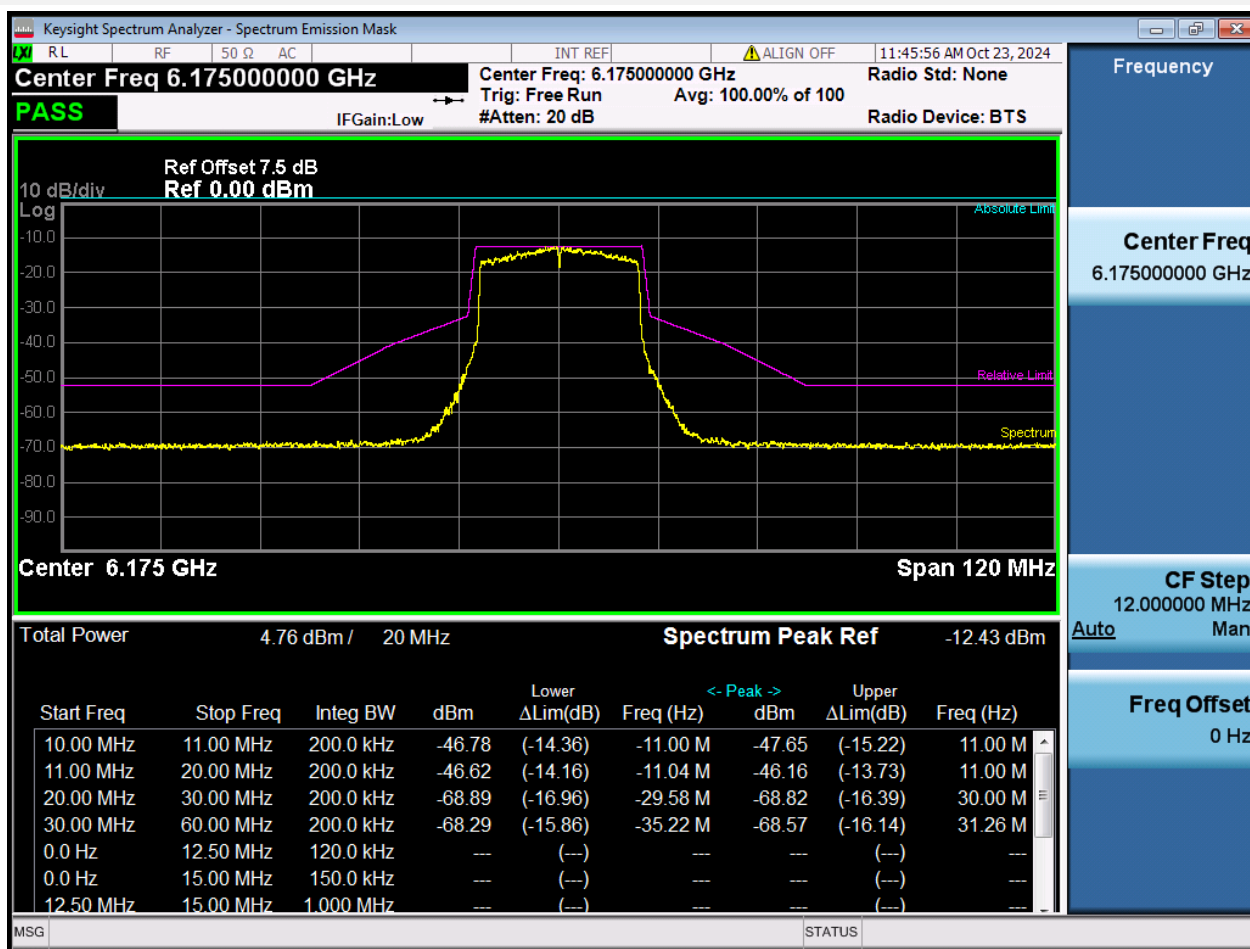
Main Antenna

11ax20 (SU), U-NII-5, Low Channel



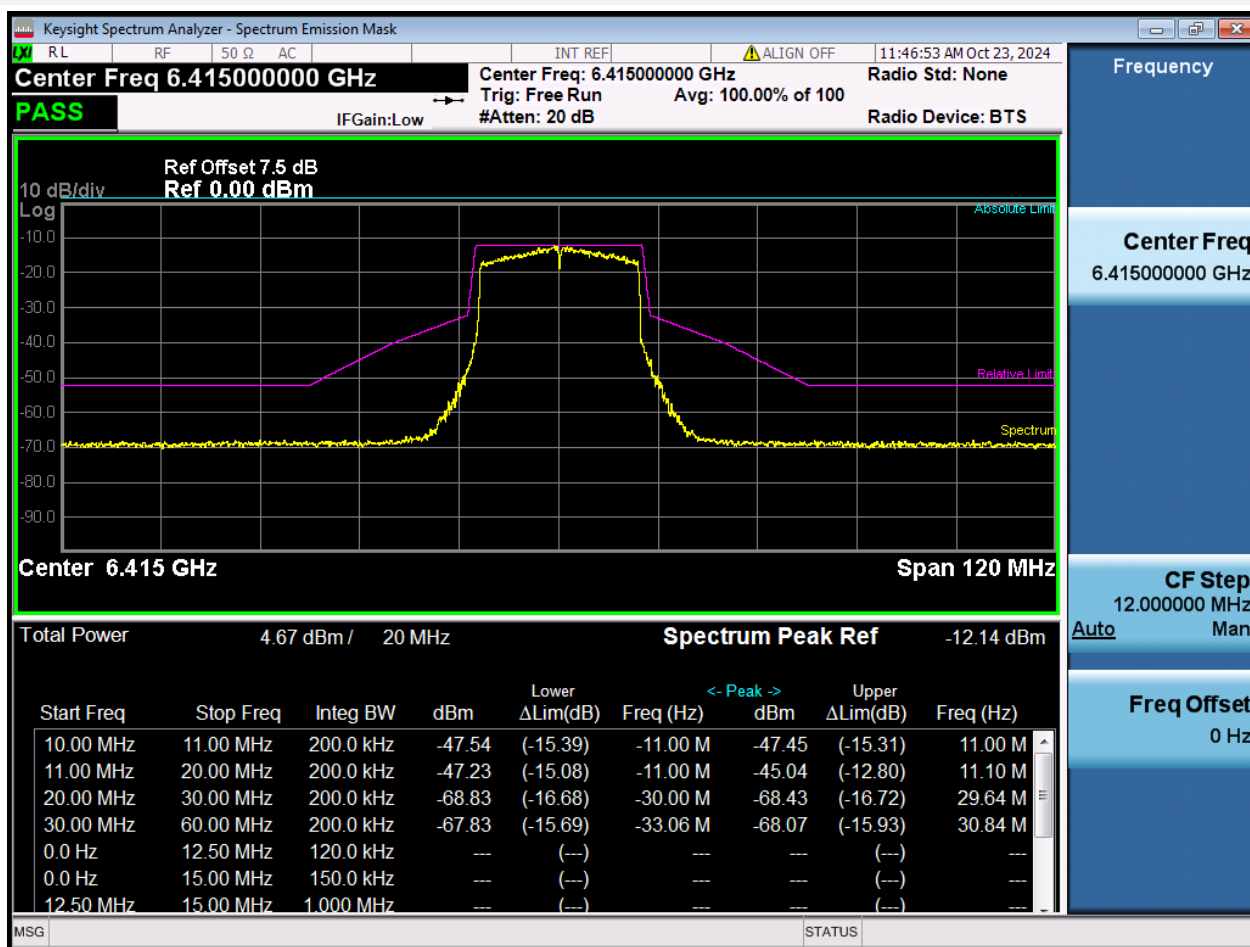
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-33.3	5921.7	-55.57	-67.83	15.57	Pass
-30	-20	0.2	-29.88	5925.12	-55.86	-68.12	16.01	Pass
-20	-11	0.2	-11.22	5943.78	-32.41	-44.67	12.22	Pass
-11	-10	0.2	-11	5944	-32.03	-44.28	12.03	Pass
10	11	0.2	11	5966	-31.7	-43.95	11.7	Pass
11	20	0.2	11.1	5966.1	-31.01	-43.27	10.92	Pass
20	30	0.2	20.64	5975.64	-43.04	-55.29	14.27	Pass
30	60	0.2	36.72	5991.72	-55.27	-67.52	15.27	Pass

11ax20 (SU), U-NII-5, Middle Channel



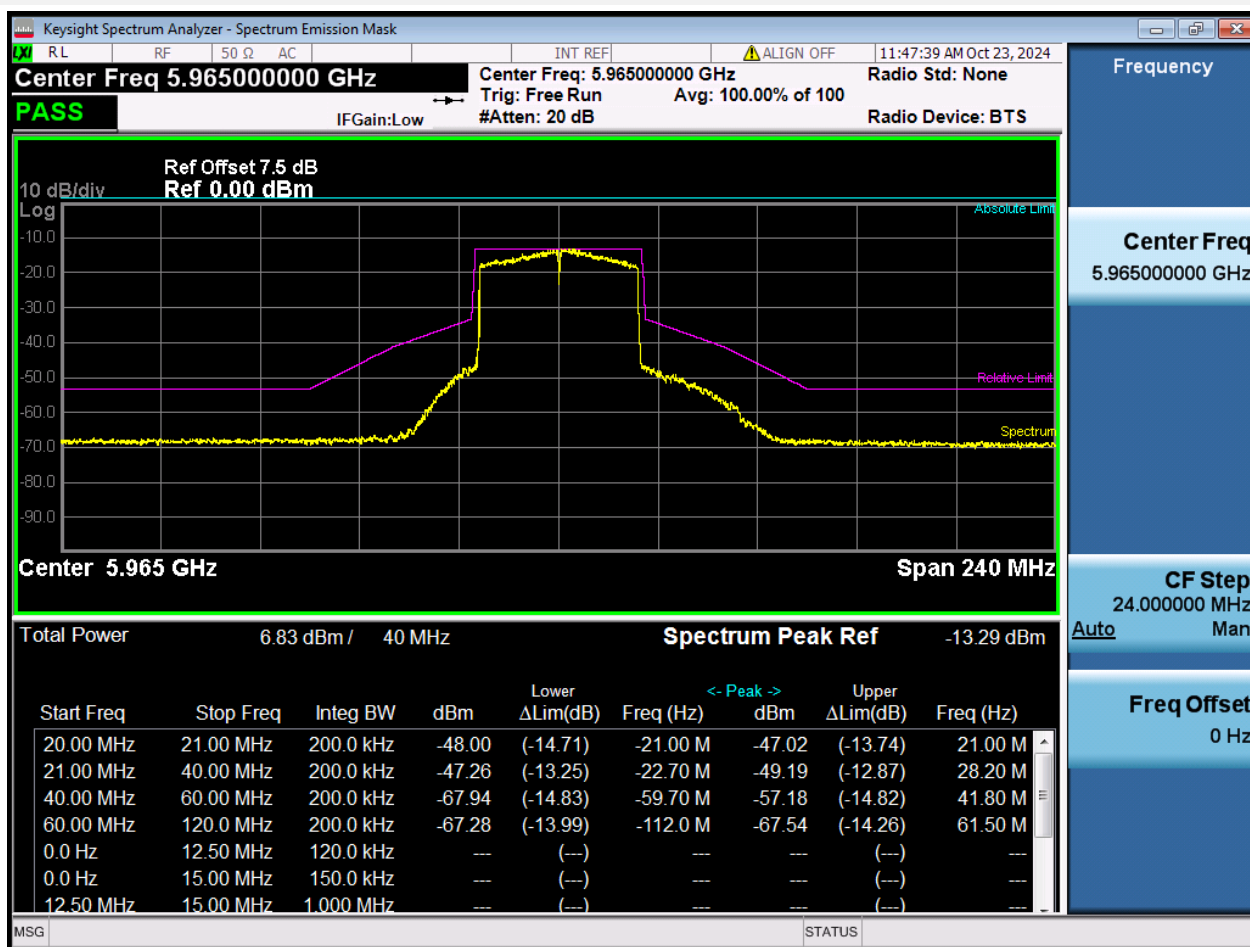
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-35.22	6139.78	-55.86	-68.29	15.86	Pass
-30	-20	0.2	-29.58	6145.42	-56.46	-68.89	16.96	Pass
-20	-11	0.2	-11.04	6163.96	-34.2	-46.62	14.16	Pass
-11	-10	0.2	-11	6164	-34.36	-46.78	14.36	Pass
10	11	0.2	11	6186	-35.22	-47.65	15.22	Pass
11	20	0.2	11	6186	-33.73	-46.16	13.73	Pass
20	30	0.2	30	6205	-56.39	-68.82	16.39	Pass
30	60	0.2	31.26	6206.26	-56.14	-68.57	16.14	Pass

11ax20 (SU), U-NII-5, High Channel



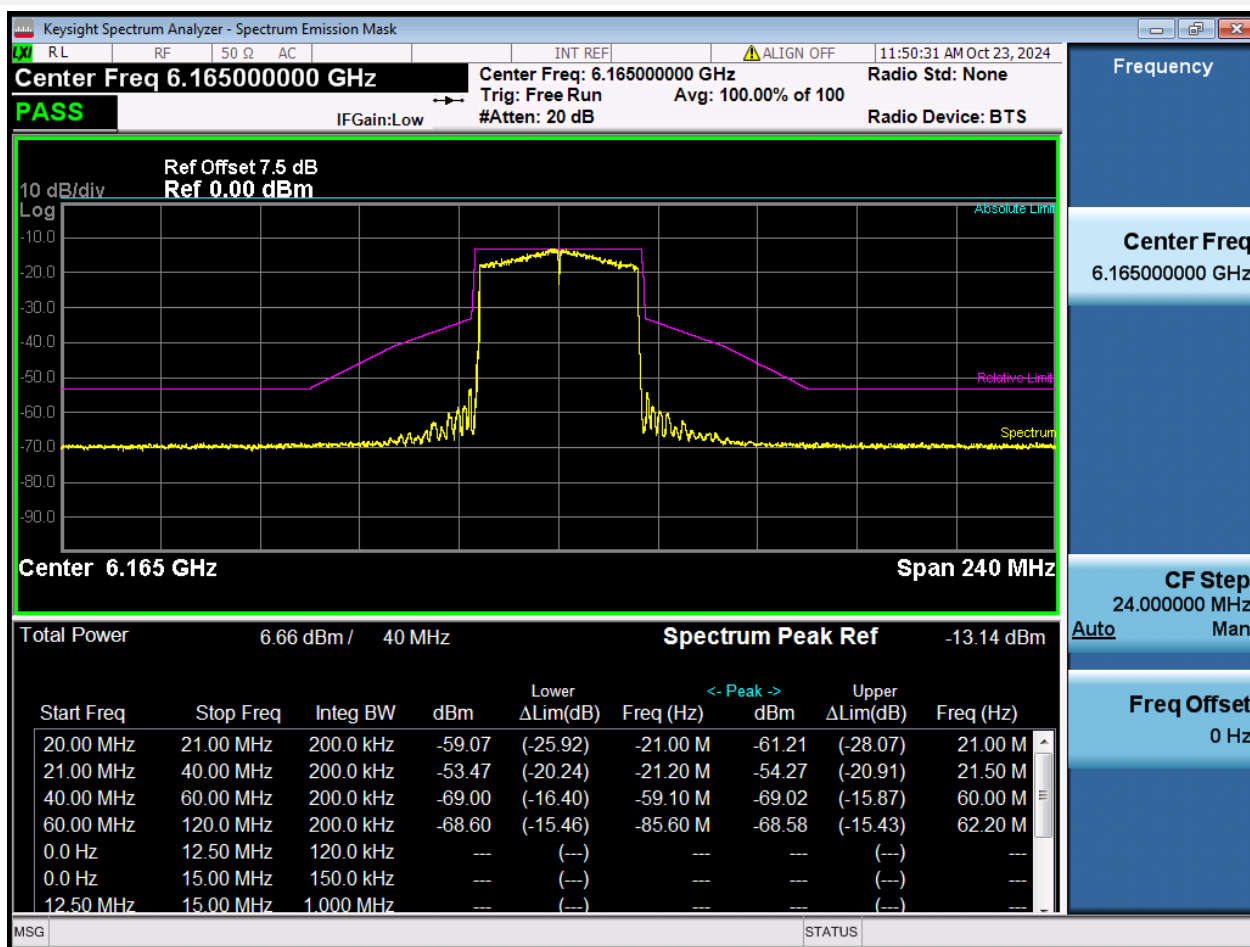
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-33.06	6381.94	-55.69	-67.83	15.69	Pass
-30	-20	0.2	-30	6385	-56.68	-68.83	16.68	Pass
-20	-11	0.2	-11	6404	-35.08	-47.23	15.08	Pass
-11	-10	0.2	-11	6404	-35.39	-47.54	15.39	Pass
10	11	0.2	11	6426	-35.31	-47.45	15.31	Pass
11	20	0.2	11.1	6426.1	-32.89	-45.04	12.8	Pass
20	30	0.2	29.64	6444.64	-56.29	-68.43	16.72	Pass
30	60	0.2	30.84	6445.84	-55.93	-68.07	15.93	Pass

11ax40 (SU), U-NII-5, Low Channel



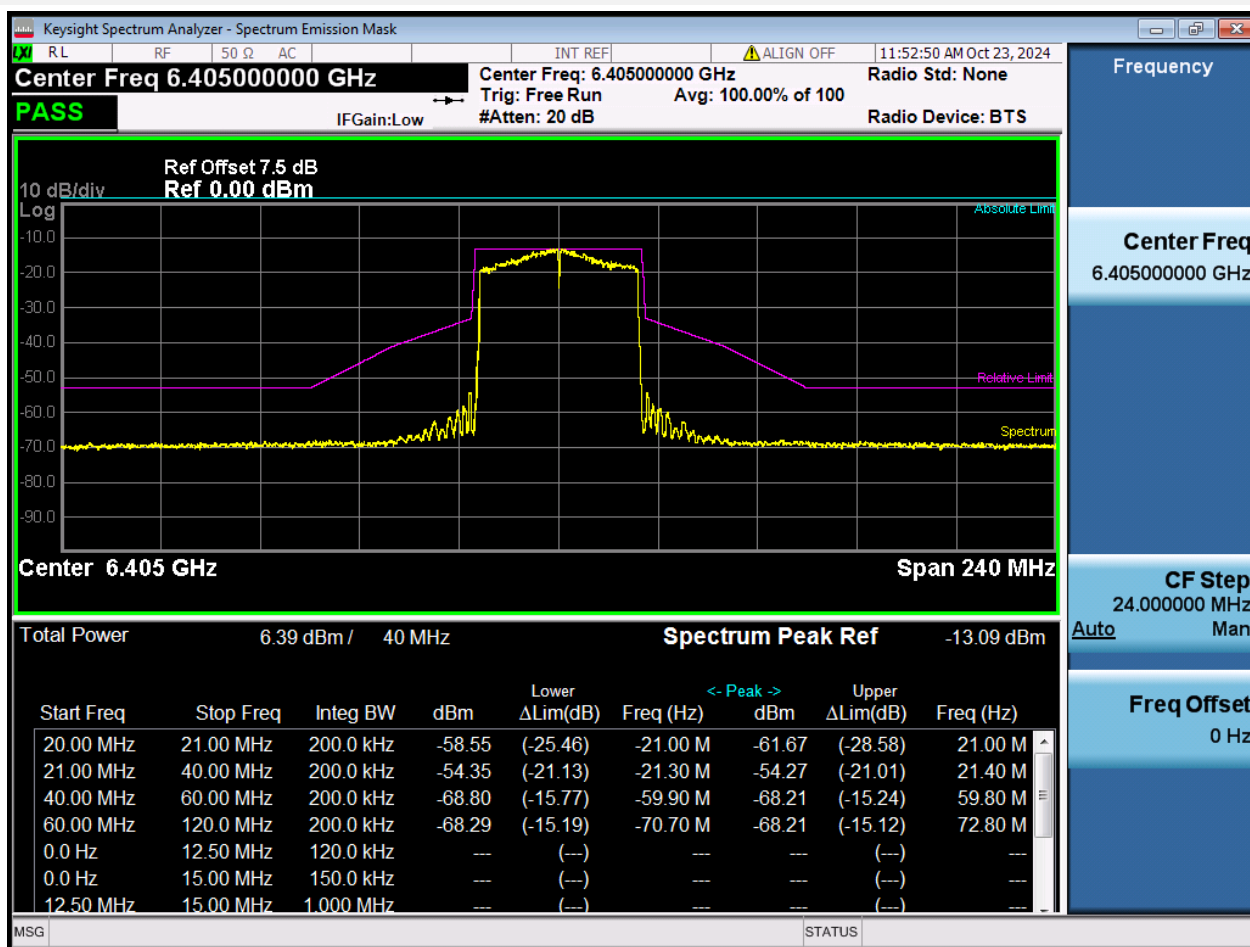
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-112	5853	-53.99	-67.28	13.99	Pass
-60	-40	0.2	-59.7	5905.3	-54.65	-67.94	14.83	Pass
-40	-21	0.2	-22.7	5942.3	-33.97	-47.26	13.25	Pass
-21	-20	0.2	-21	5944	-34.71	-48	14.71	Pass
20	21	0.2	21	5986	-33.74	-47.02	13.74	Pass
21	40	0.2	28.2	5993.2	-35.9	-49.19	12.87	Pass
40	60	0.2	41.8	6006.8	-43.9	-57.18	14.82	Pass
60	120	0.2	61.5	6026.5	-54.26	-67.54	14.26	Pass

11ax40 (SU), U-NII-5, Middle Channel



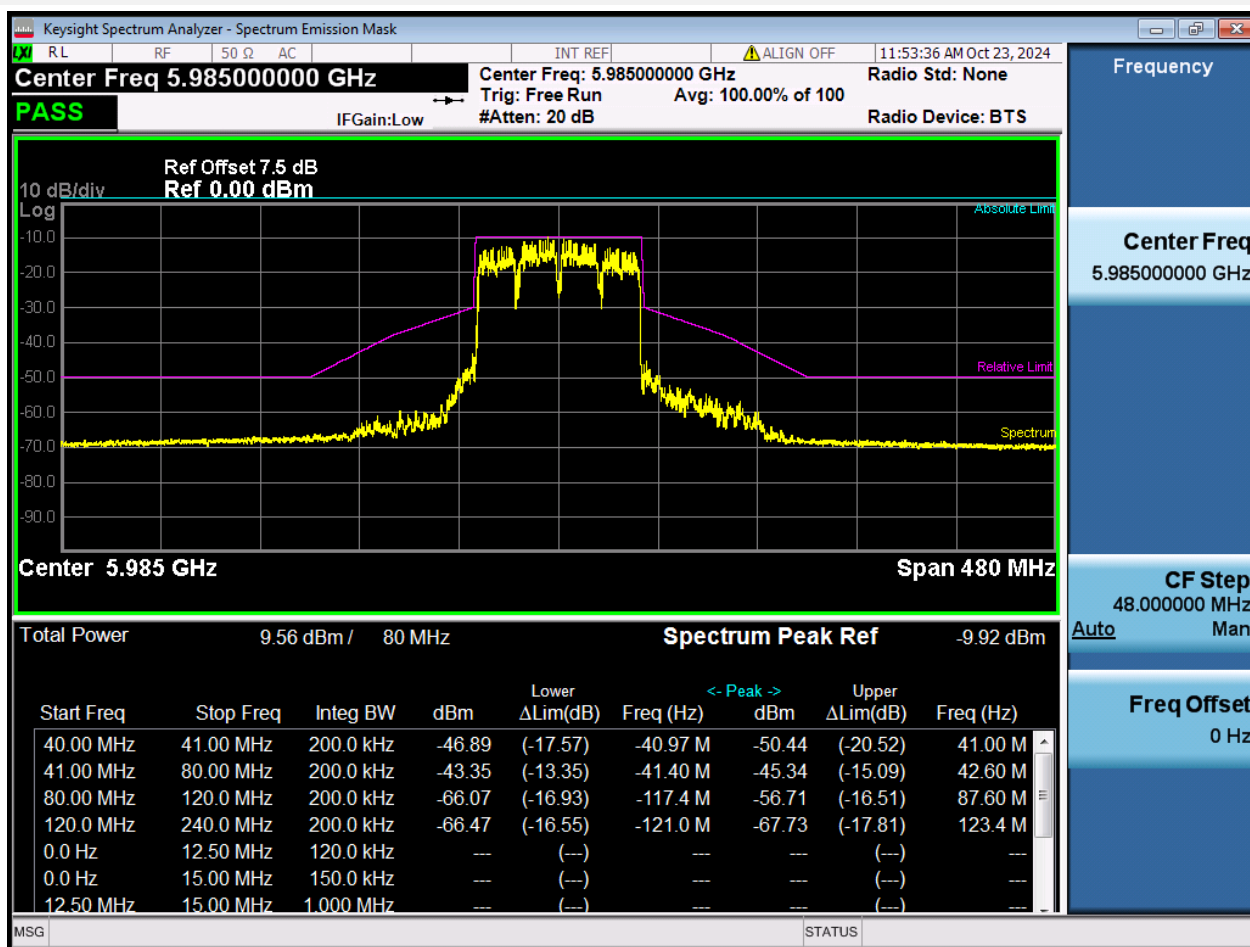
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-85.6	6079.4	-55.46	-68.6	15.46	Pass
-60	-40	0.2	-59.1	6105.9	-55.86	-69	16.4	Pass
-40	-21	0.2	-21.2	6143.8	-40.32	-53.47	20.24	Pass
-21	-20	0.2	-21	6144	-45.92	-59.07	25.92	Pass
20	21	0.2	21	6186	-48.07	-61.21	28.07	Pass
21	40	0.2	21.5	6186.5	-41.12	-54.27	20.91	Pass
40	60	0.2	60	6225	-55.87	-69.02	15.87	Pass
60	120	0.2	62.2	6227.2	-55.43	-68.58	15.43	Pass

11ax40 (SU), U-NII-5, High Channel



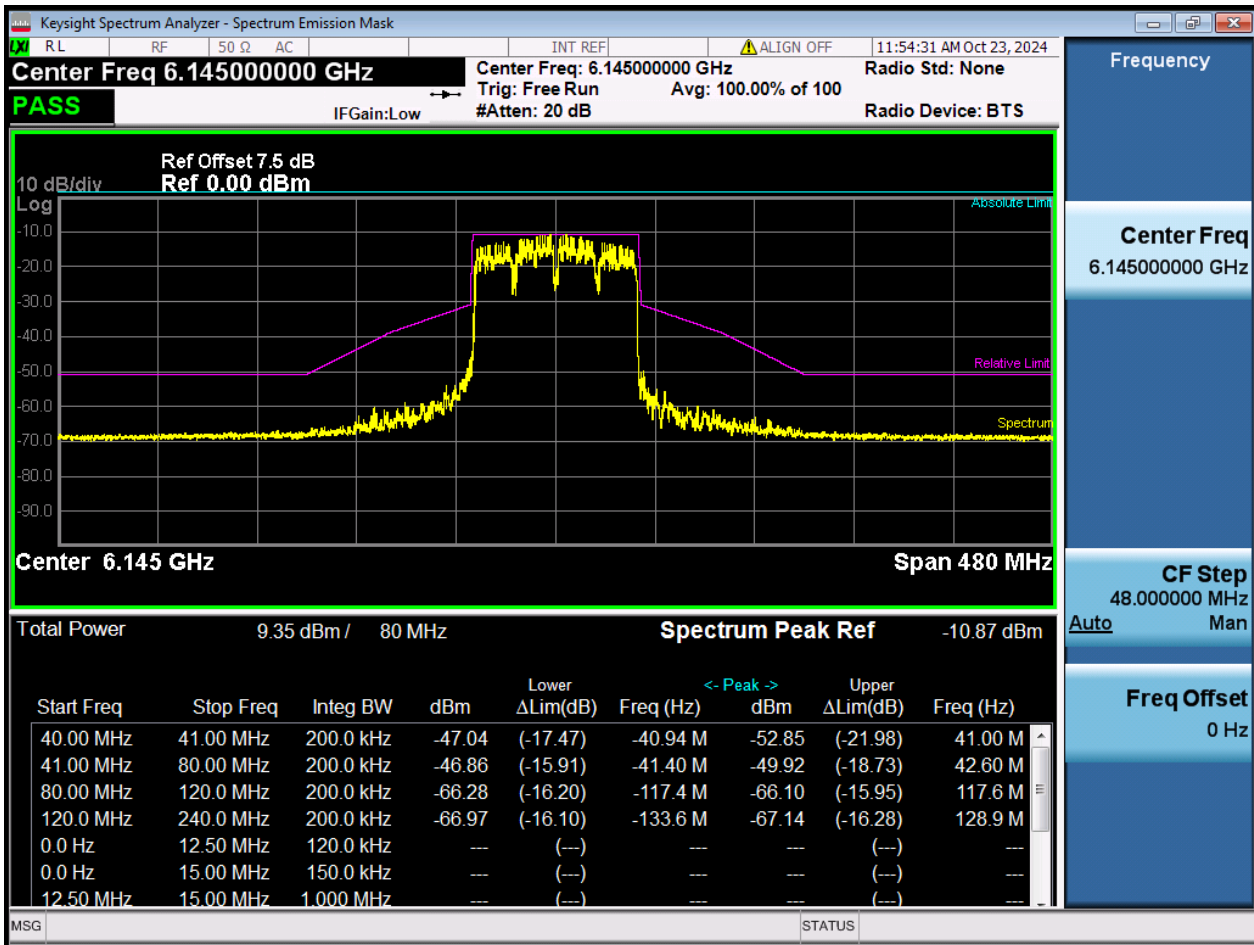
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-70.7	6334.3	-55.19	-68.29	15.19	Pass
-60	-40	0.2	-59.9	6345.1	-55.71	-68.8	15.77	Pass
-40	-21	0.2	-21.3	6383.7	-41.26	-54.35	21.13	Pass
-21	-20	0.2	-21	6384	-45.46	-58.55	25.46	Pass
20	21	0.2	21	6426	-48.58	-61.67	28.58	Pass
21	40	0.2	21.4	6426.4	-41.18	-54.27	21.01	Pass
40	60	0.2	59.8	6464.8	-55.12	-68.21	15.24	Pass
60	120	0.2	72.8	6477.8	-55.12	-68.21	15.12	Pass

11ax80 (SU), U-NII-5, Low Channel



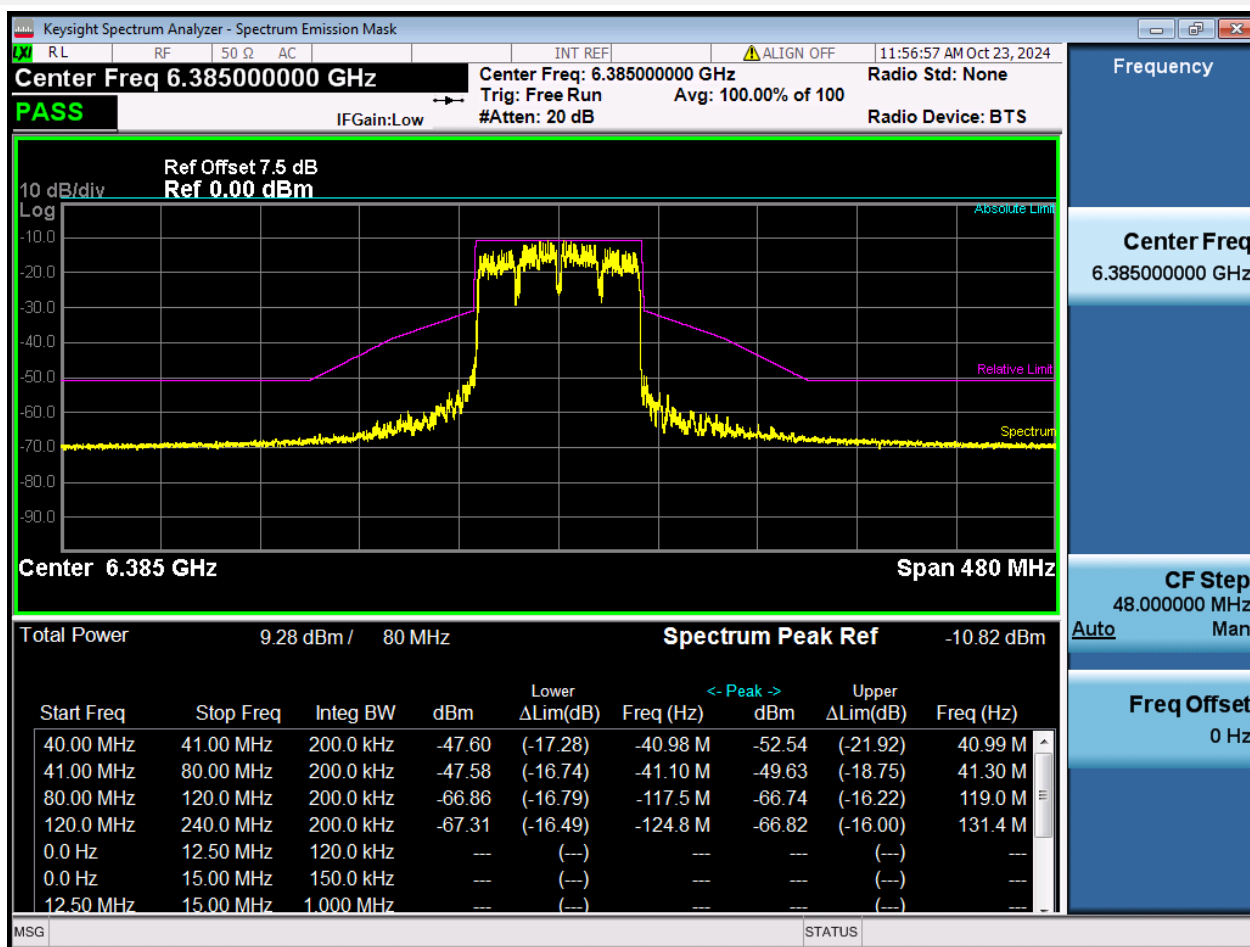
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-121	5864	-56.55	-66.47	16.55	Pass
-120	-80	0.2	-117.4	5867.6	-56.15	-66.07	16.93	Pass
-80	-41	0.2	-41.4	5943.6	-33.43	-43.35	13.35	Pass
-41	-40	0.2	-40.97	5944.03	-36.97	-46.89	17.57	Pass
40	41	0.2	41	6026	-40.52	-50.44	20.52	Pass
41	80	0.2	42.6	6027.6	-35.42	-45.34	15.09	Pass
80	120	0.2	87.6	6072.6	-46.79	-56.71	16.51	Pass
120	240	0.2	123.4	6108.4	-57.81	-67.73	17.81	Pass

11ax80 (SU), U-NII-5, Middle Channel



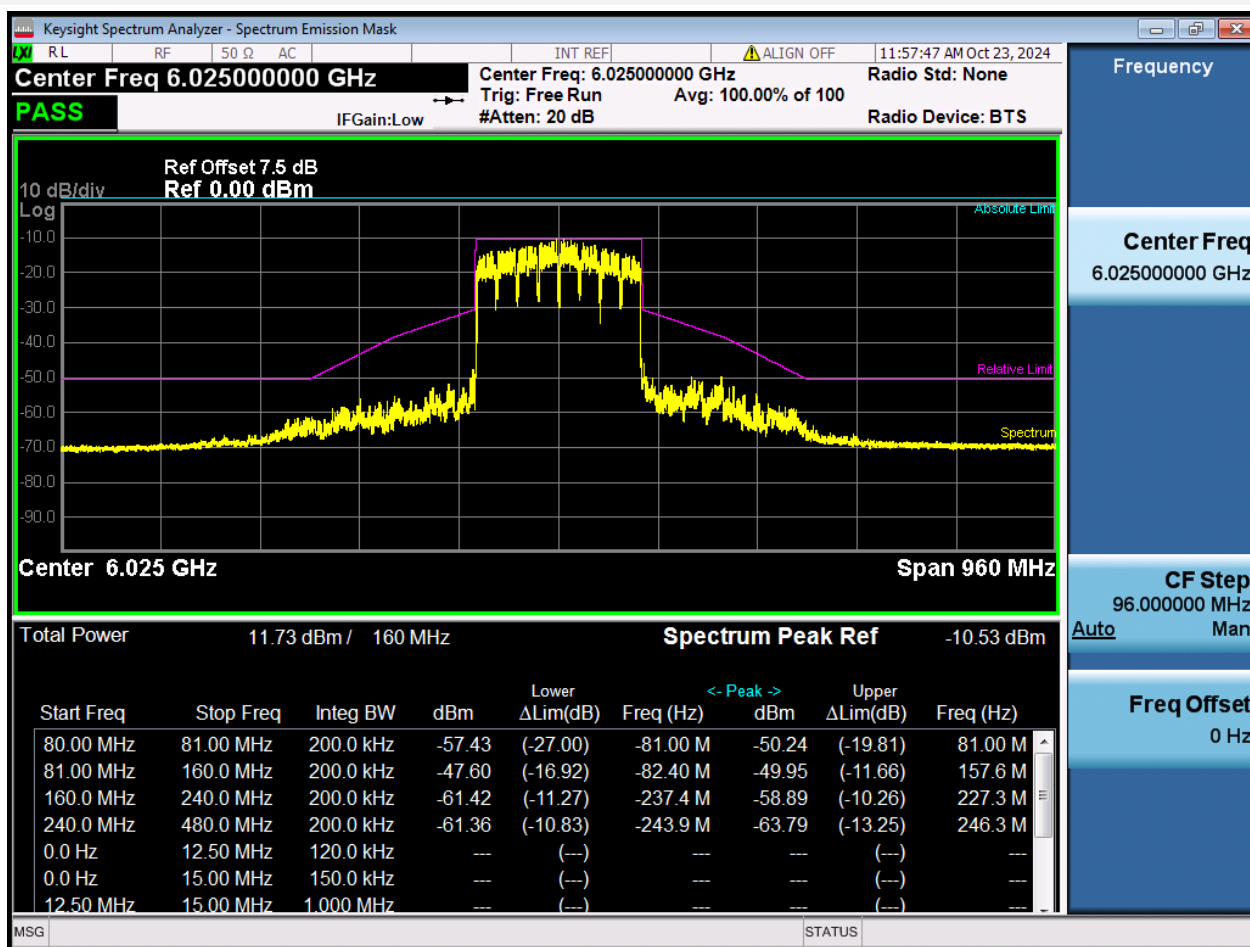
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-133.6	6011.4	-56.1	-66.97	16.1	Pass
-120	-80	0.2	-117.4	6027.6	-55.42	-66.28	16.2	Pass
-80	-41	0.2	-41.4	6103.6	-35.99	-46.86	15.91	Pass
-41	-40	0.2	-40.935	6104.065	-36.17	-47.04	17.47	Pass
40	41	0.2	41	6186	-41.98	-52.85	21.98	Pass
41	80	0.2	42.6	6187.6	-39.06	-49.92	18.73	Pass
80	120	0.2	117.6	6262.6	-55.23	-66.1	15.95	Pass
120	240	0.2	128.9	6273.9	-56.28	-67.14	16.28	Pass

11ax80 (SU), U-NII-5, High Channel



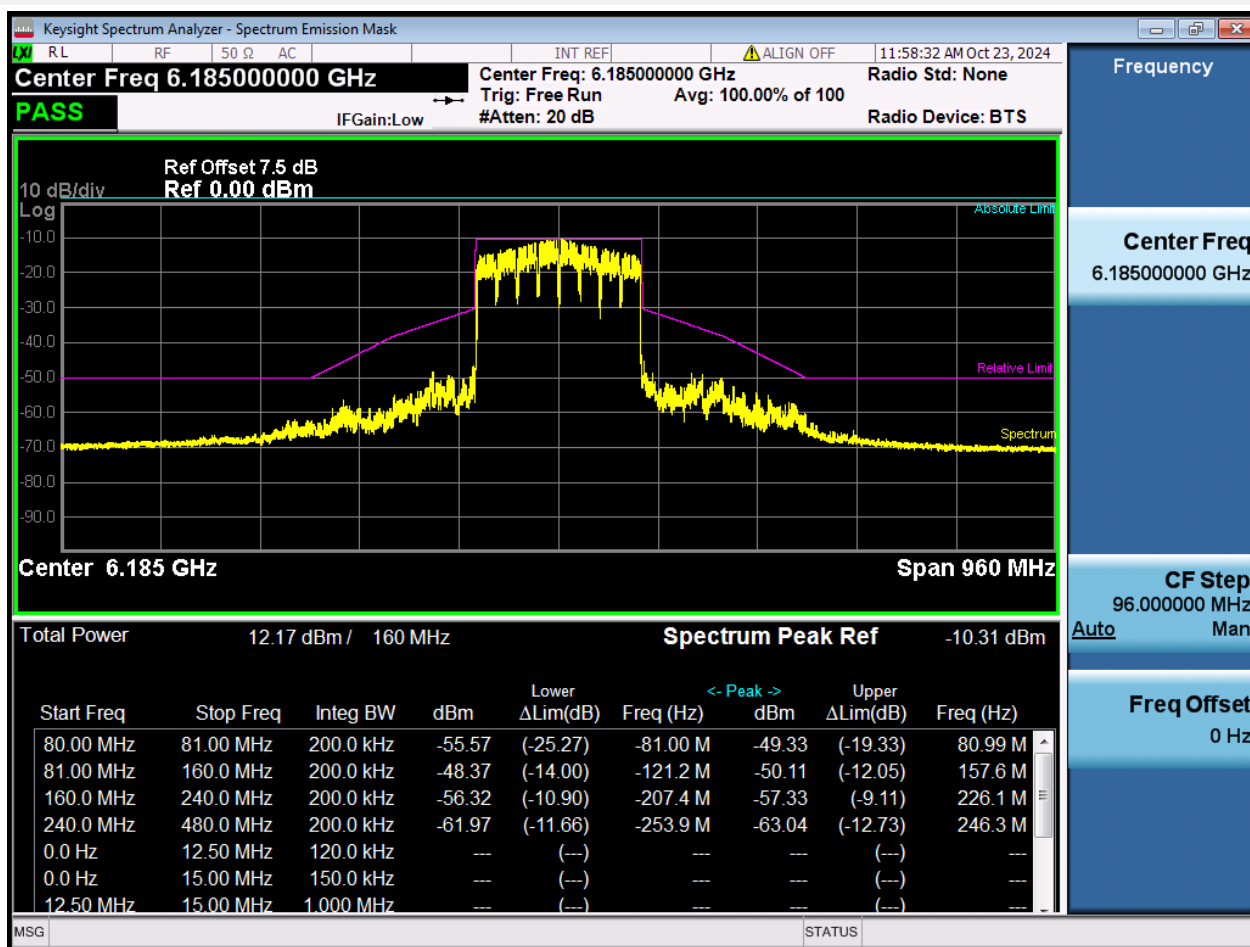
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-124.8	6260.2	-56.49	-67.31	16.49	Pass
-120	-80	0.2	-117.5	6267.5	-56.04	-66.86	16.79	Pass
-80	-41	0.2	-41.1	6343.9	-36.76	-47.58	16.74	Pass
-41	-40	0.2	-40.975	6344.025	-36.78	-47.6	17.28	Pass
40	41	0.2	40.99	6425.99	-41.72	-52.54	21.92	Pass
41	80	0.2	41.3	6426.3	-38.81	-49.63	18.75	Pass
80	120	0.2	119	6504	-55.92	-66.74	16.22	Pass
120	240	0.2	131.4	6516.4	-56	-66.82	16	Pass

11ax160 (SU), U-NII-5, Low Channel



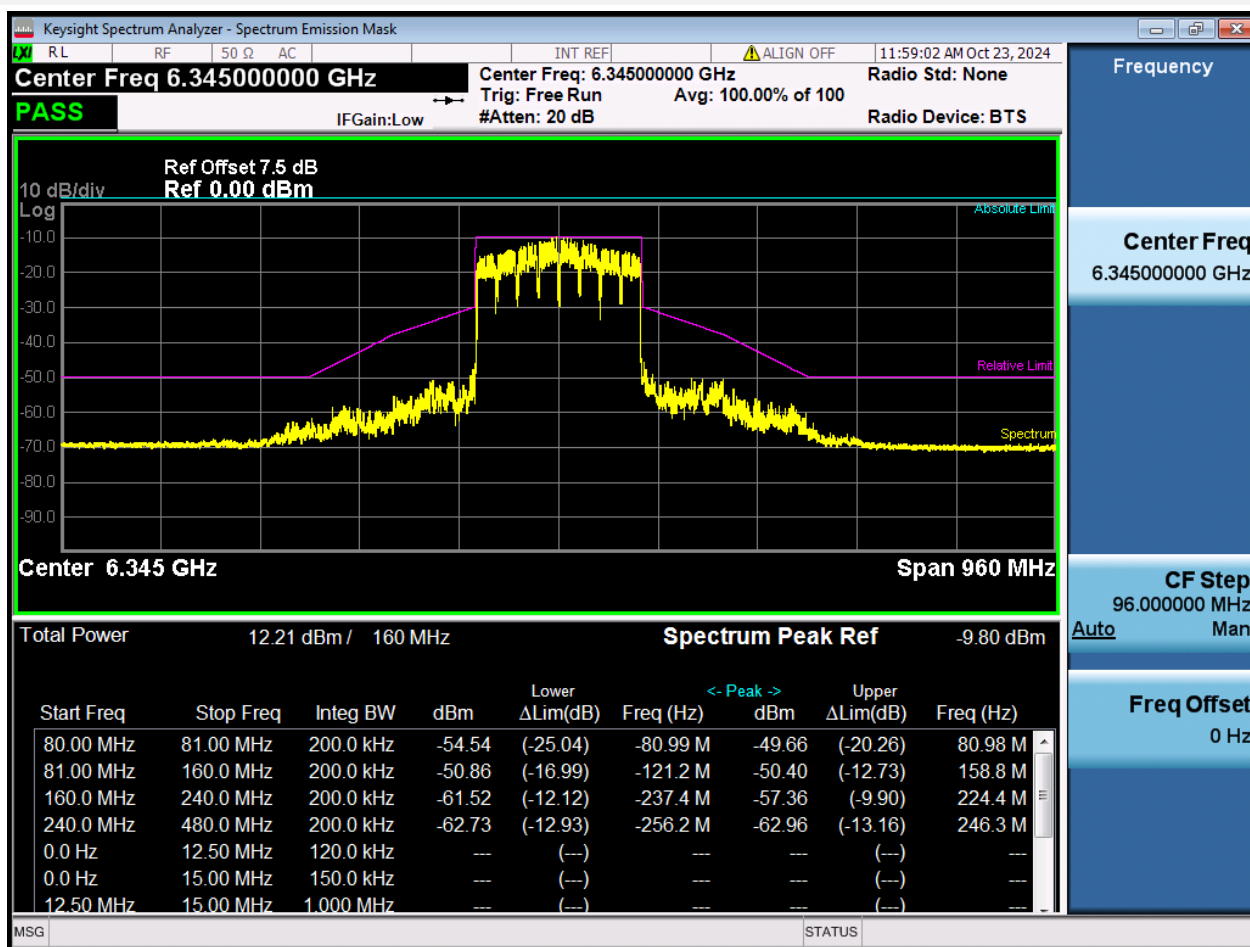
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-243.9	5781.1	-50.83	-61.36	10.83	Pass
-240	-160	0.2	-237.4	5787.6	-50.88	-61.42	11.27	Pass
-160	-81	0.2	-82.4	5942.6	-37.07	-47.6	16.92	Pass
-81	-80	0.2	-80.995	5944.005	-46.9	-57.43	27	Pass
80	81	0.2	80.995	6105.995	-39.71	-50.24	19.81	Pass
81	160	0.2	157.6	6182.6	-39.42	-49.95	11.66	Pass
160	240	0.2	227.3	6252.3	-48.35	-58.89	10.26	Pass
240	480	0.2	246.3	6271.3	-53.25	-63.79	13.25	Pass

11ax160 (SU), U-NII-5, Middle Channel



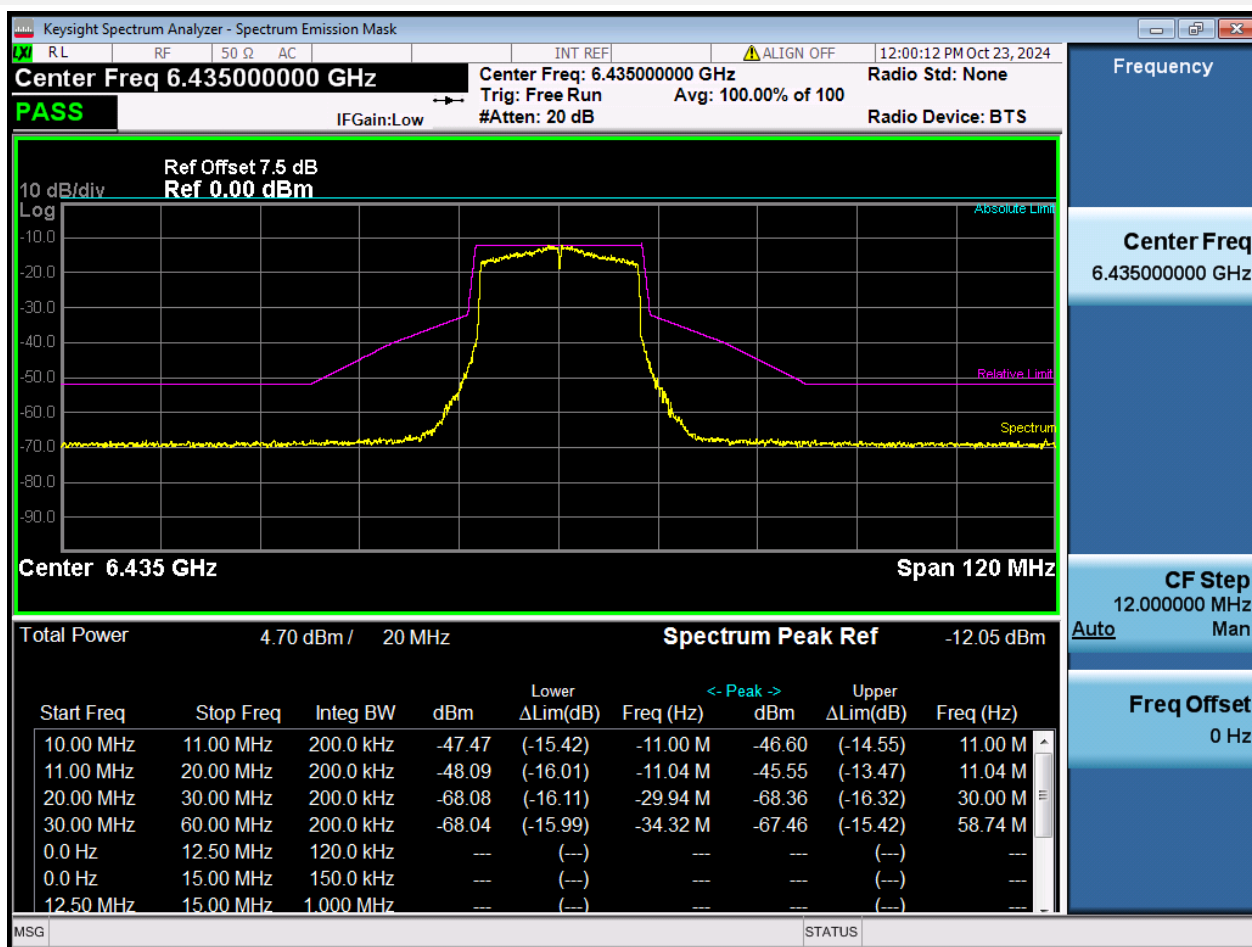
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-253.9	5931.1	-51.66	-61.97	11.66	Pass
-240	-160	0.2	-207.4	5977.6	-46.01	-56.32	10.9	Pass
-160	-81	0.2	-121.2	6063.8	-38.07	-48.37	14	Pass
-81	-80	0.2	-81	6104	-45.27	-55.57	25.27	Pass
80	81	0.2	80.985	6265.985	-39.03	-49.33	19.33	Pass
81	160	0.2	157.6	6342.6	-39.81	-50.11	12.05	Pass
160	240	0.2	226.1	6411.1	-47.03	-57.33	9.11	Pass
240	480	0.2	246.3	6431.3	-52.73	-63.04	12.73	Pass

11ax160 (SU), U-NII-5, High Channel



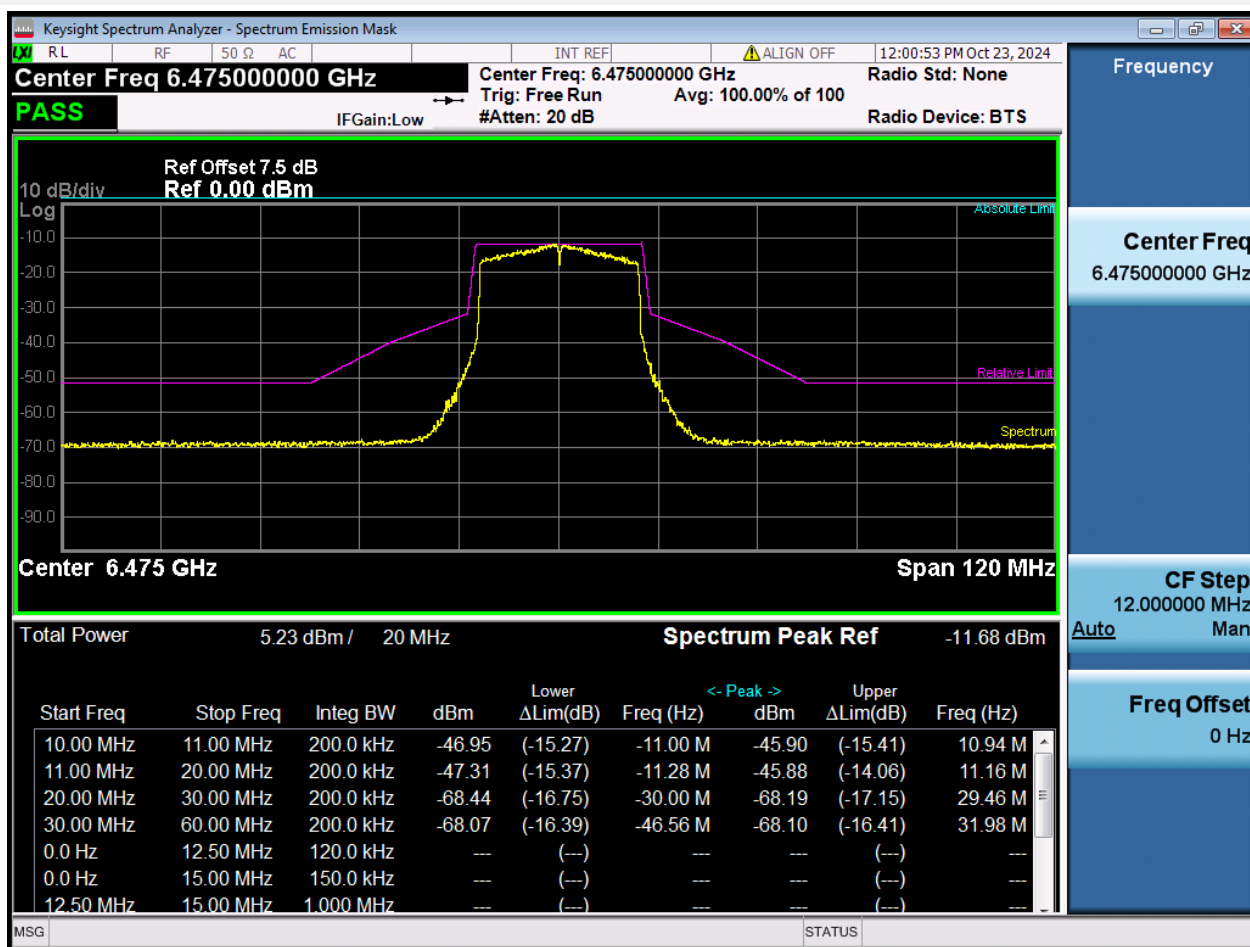
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-256.2	6088.8	-52.93	-62.73	12.93	Pass
-240	-160	0.2	-237.4	6107.6	-51.73	-61.52	12.12	Pass
-160	-81	0.2	-121.2	6223.8	-41.06	-50.86	16.99	Pass
-81	-80	0.2	-80.985	6264.015	-44.74	-54.54	25.04	Pass
80	81	0.2	80.98	6425.98	-39.86	-49.66	20.26	Pass
81	160	0.2	158.8	6503.8	-40.61	-50.4	12.73	Pass
160	240	0.2	224.4	6569.4	-47.56	-57.36	9.9	Pass
240	480	0.2	246.3	6591.3	-53.16	-62.96	13.16	Pass

11ax20 (SU), U-NII-6, Low Channel



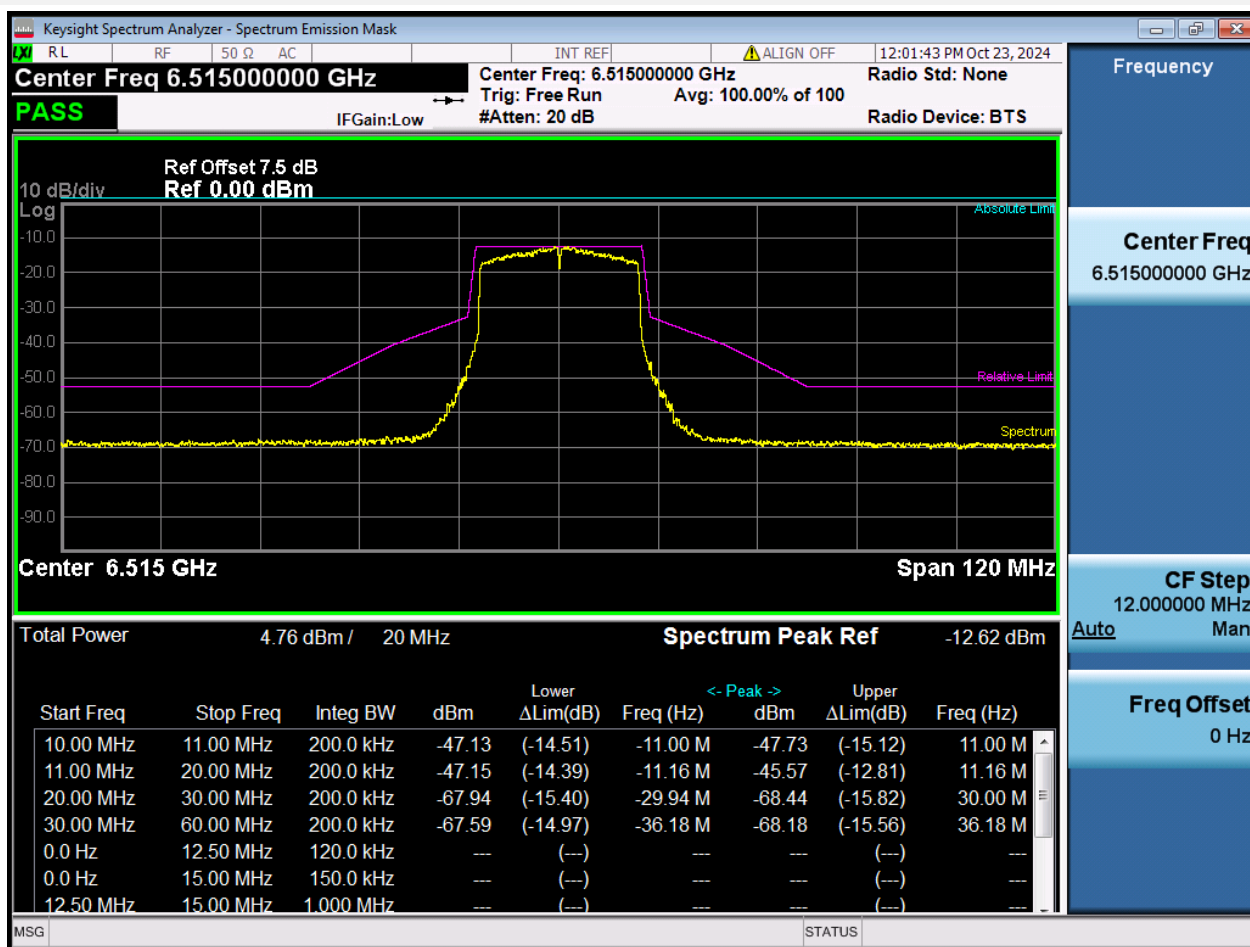
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-34.32	6400.68	-55.99	-68.04	15.99	Pass
-30	-20	0.2	-29.94	6405.06	-56.04	-68.08	16.11	Pass
-20	-11	0.2	-11.04	6423.96	-36.05	-48.09	16.01	Pass
-11	-10	0.2	-11	6424	-35.42	-47.47	15.42	Pass
10	11	0.2	11	6446	-34.55	-46.6	14.55	Pass
11	20	0.2	11.04	6446.04	-33.5	-45.55	13.47	Pass
20	30	0.2	30	6465	-56.32	-68.36	16.32	Pass
30	60	0.2	58.74	6493.74	-55.42	-67.46	15.42	Pass

11ax20 (SU), U-NII-6, Middle Channel



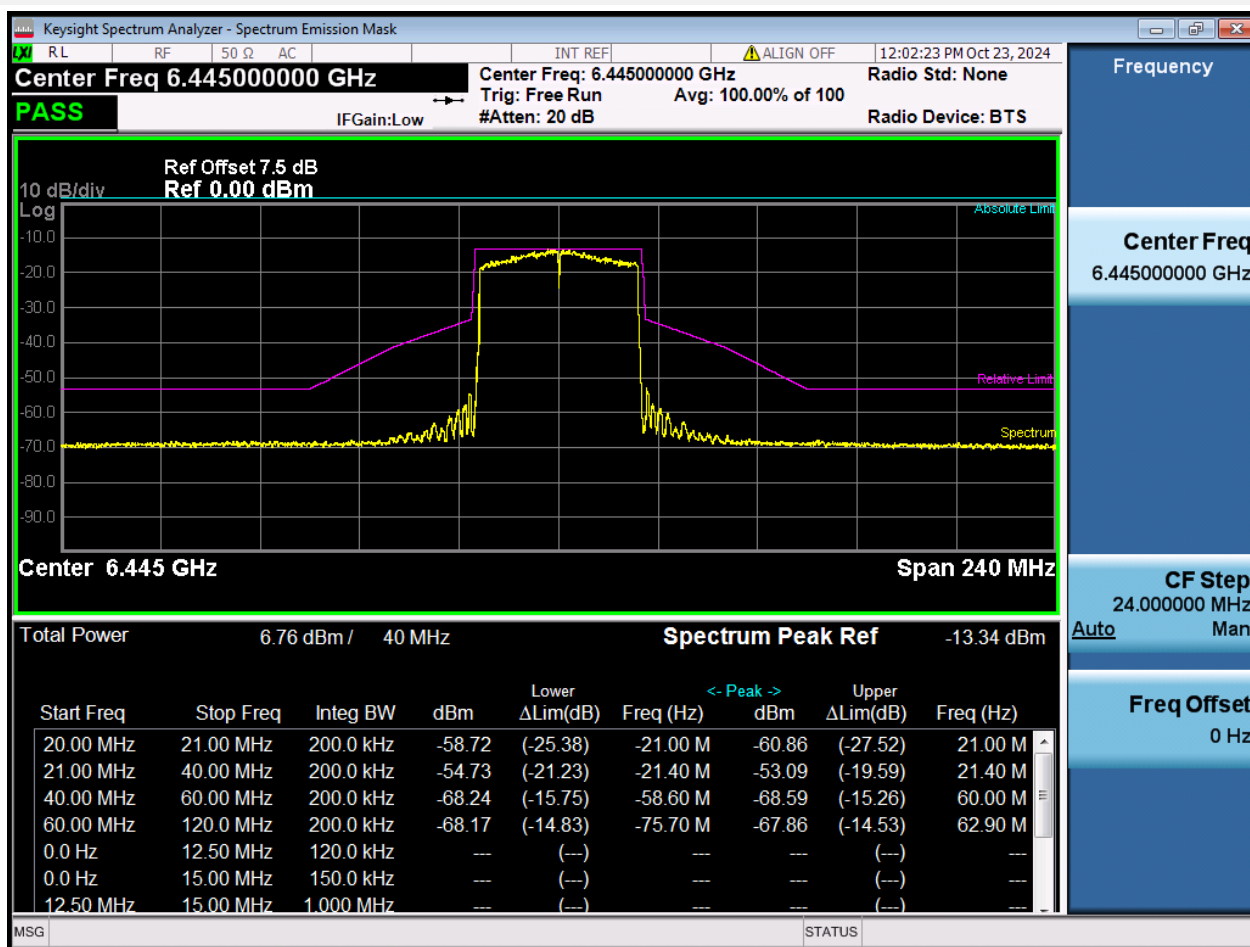
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-46.56	6428.44	-56.39	-68.07	16.39	Pass
-30	-20	0.2	-30	6445	-56.75	-68.44	16.75	Pass
-20	-11	0.2	-11.28	6463.72	-35.62	-47.31	15.37	Pass
-11	-10	0.2	-11	6464	-35.27	-46.95	15.27	Pass
10	11	0.2	10.940055	6485.940054	-34.21	-45.9	15.41	Pass
11	20	0.2	11.16	6486.16	-34.2	-45.88	14.06	Pass
20	30	0.2	29.46	6504.46	-56.51	-68.19	17.15	Pass
30	60	0.2	31.98	6506.98	-56.41	-68.1	16.41	Pass

11ax20 (SU), U-NII-6, High Channel



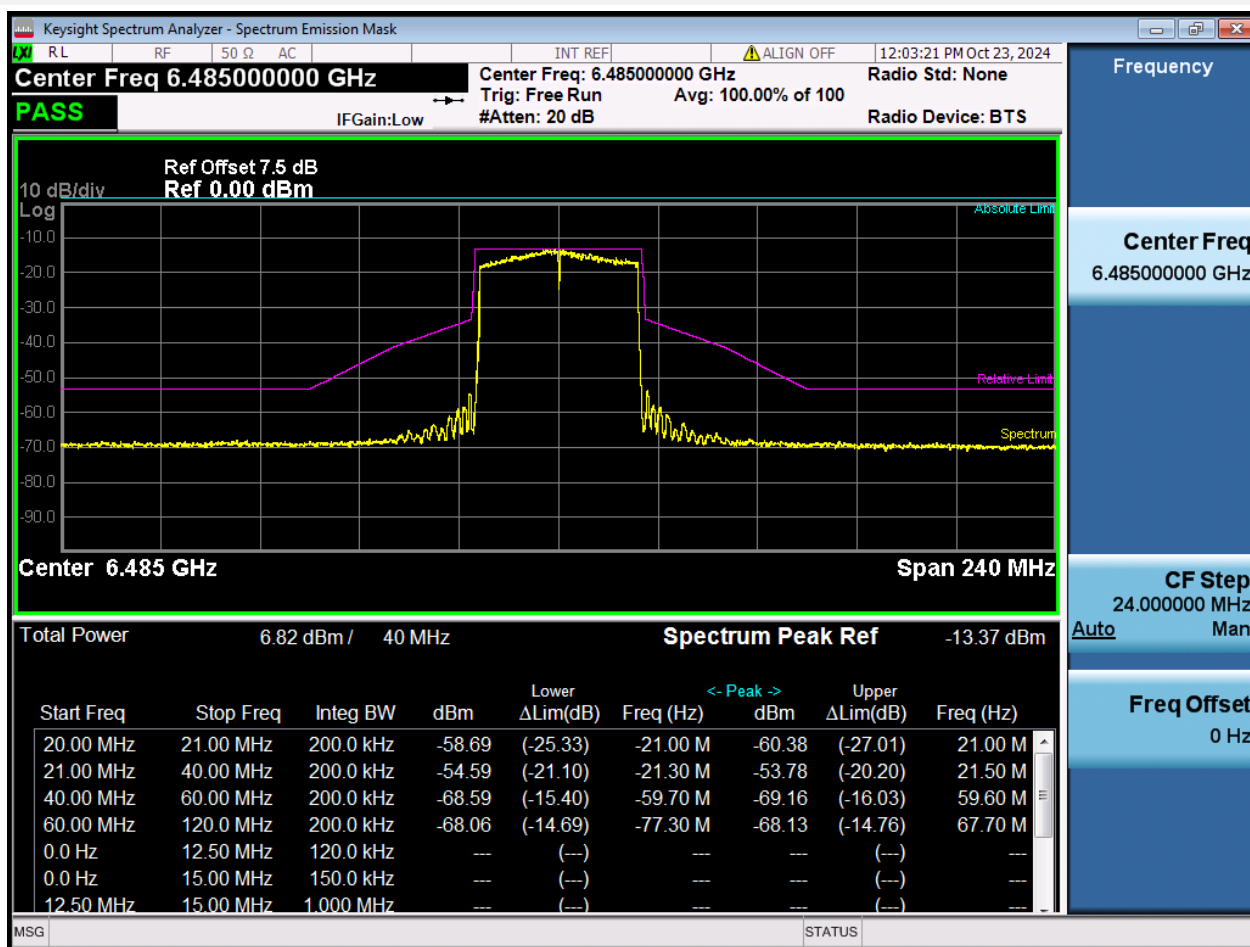
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-36.18	6478.82	-54.97	-67.59	14.97	Pass
-30	-20	0.2	-29.94	6485.06	-55.32	-67.94	15.4	Pass
-20	-11	0.2	-11.16	6503.84	-34.53	-47.15	14.39	Pass
-11	-10	0.2	-11	6504	-34.51	-47.13	14.51	Pass
10	11	0.2	11	6526	-35.12	-47.73	15.12	Pass
11	20	0.2	11.16	6526.16	-32.95	-45.57	12.81	Pass
20	30	0.2	30	6545	-55.82	-68.44	15.82	Pass
30	60	0.2	36.18	6551.18	-55.56	-68.18	15.56	Pass

11ax40 (SU), U-NII-6, Low Channel



Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-75.7	6369.3	-54.83	-68.17	14.83	Pass
-60	-40	0.2	-58.6	6386.4	-54.91	-68.24	15.75	Pass
-40	-21	0.2	-21.4	6423.6	-41.39	-54.73	21.23	Pass
-21	-20	0.2	-21	6424	-45.38	-58.72	25.38	Pass
20	21	0.2	21	6466	-47.52	-60.86	27.52	Pass
21	40	0.2	21.4	6466.4	-39.76	-53.09	19.59	Pass
40	60	0.2	60	6505	-55.26	-68.59	15.26	Pass
60	120	0.2	62.9	6507.9	-54.53	-67.86	14.53	Pass

11ax40 (SU), U-NII-6, Middle Channel



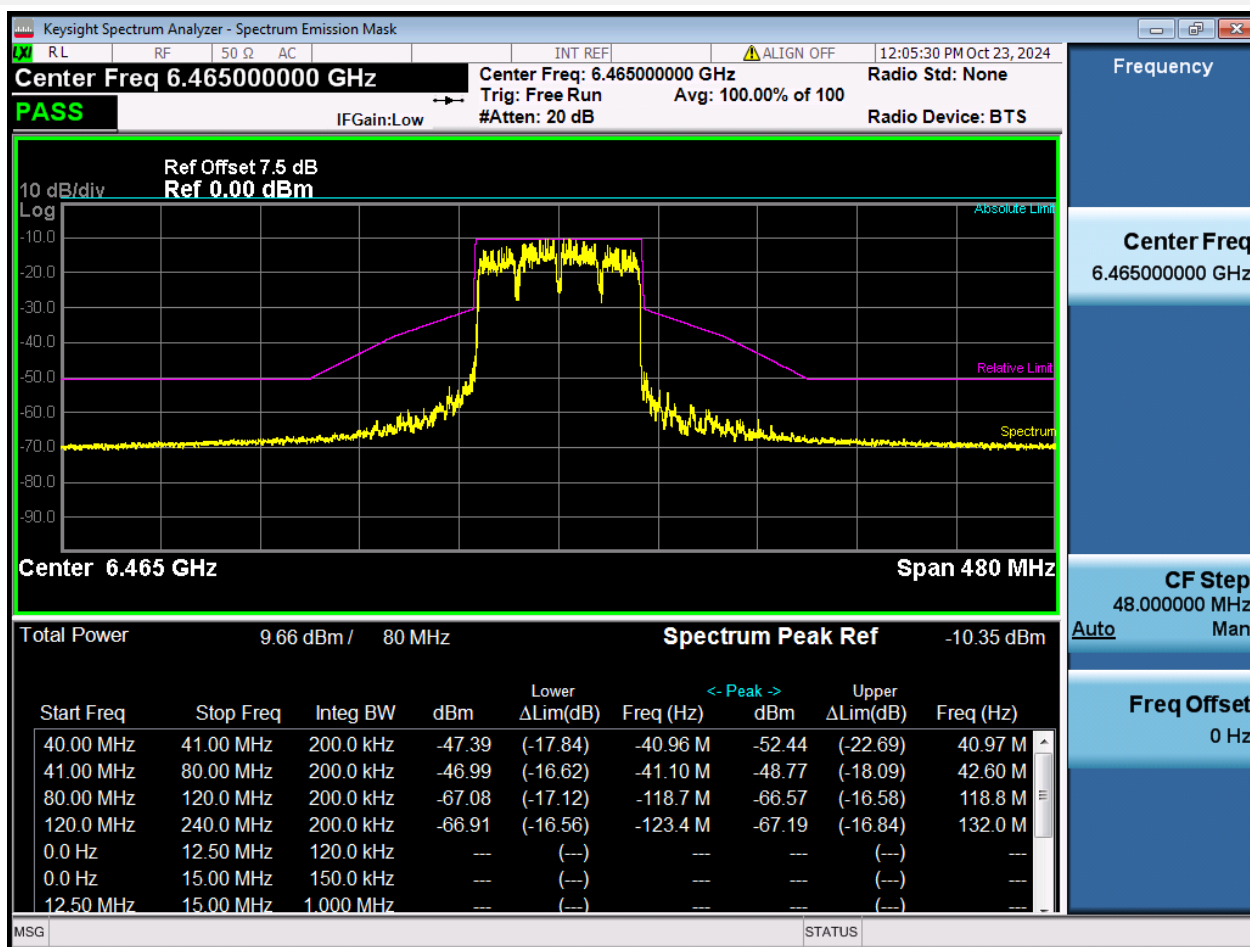
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-77.3	6407.7	-54.69	-68.06	14.69	Pass
-60	-40	0.2	-59.7	6425.3	-55.22	-68.59	15.4	Pass
-40	-21	0.2	-21.3	6463.7	-41.22	-54.59	21.1	Pass
-21	-20	0.2	-21	6464	-45.33	-58.69	25.33	Pass
20	21	0.2	21	6506	-47.01	-60.38	27.01	Pass
21	40	0.2	21.5	6506.5	-40.41	-53.78	20.2	Pass
40	60	0.2	59.6	6544.6	-55.79	-69.16	16.03	Pass
60	120	0.2	67.7	6552.7	-54.76	-68.13	14.76	Pass

11ax40 (SU), U-NII-6, High Channel



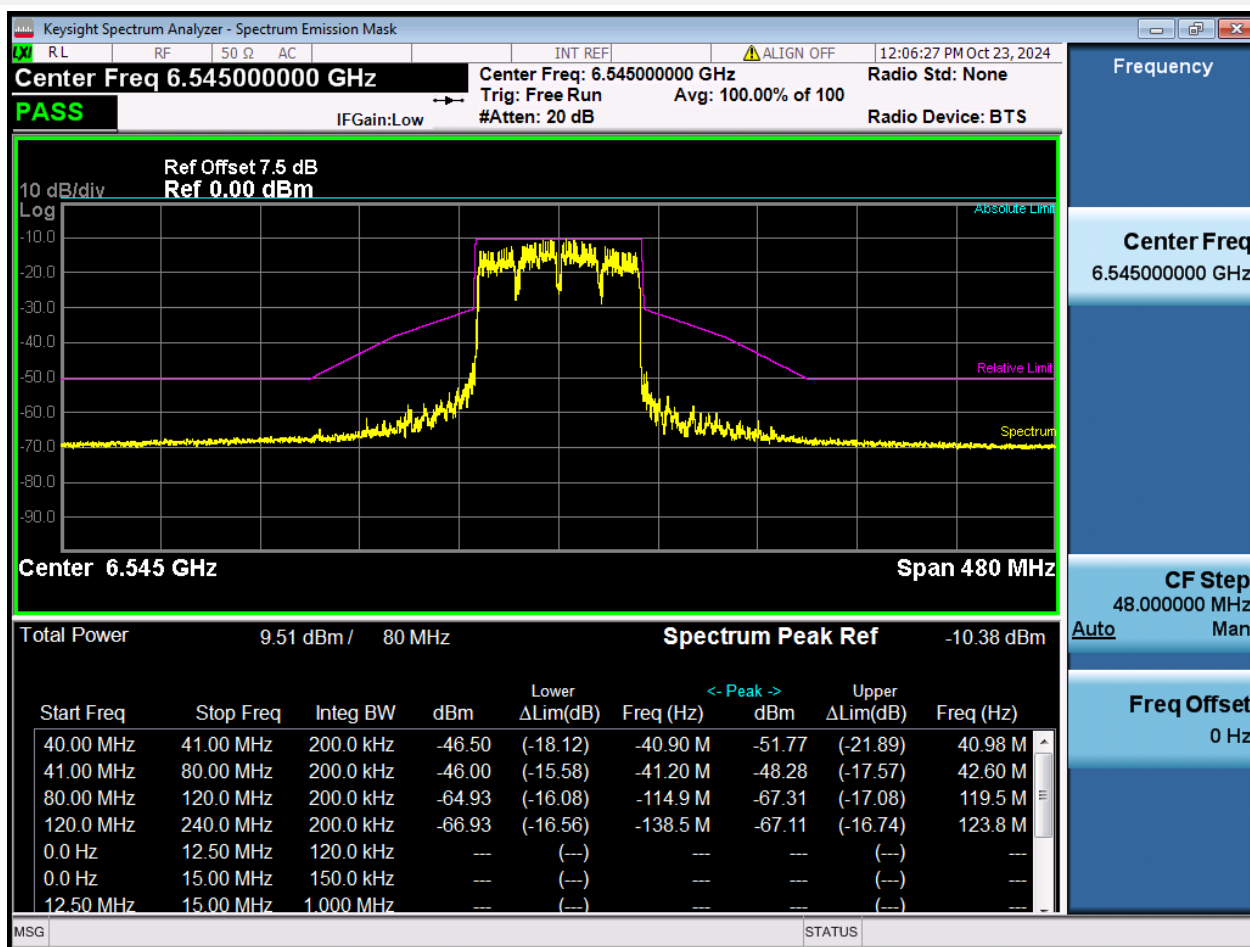
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-67.1	6457.9	-53.92	-67.38	13.92	Pass
-60	-40	0.2	-60	6465	-54.42	-67.88	14.42	Pass
-40	-21	0.2	-21.2	6503.8	-40.77	-54.23	20.68	Pass
-21	-20	0.2	-21	6504	-45.79	-59.25	25.79	Pass
20	21	0.2	21	6546	-46.17	-59.63	26.17	Pass
21	40	0.2	21.4	6546.4	-40.27	-53.73	20.1	Pass
40	60	0.2	59.6	6584.6	-54.6	-68.06	14.84	Pass
60	120	0.2	62.9	6587.9	-54.37	-67.83	14.37	Pass

11ax80 (SU), U-NII-6, Low Channel



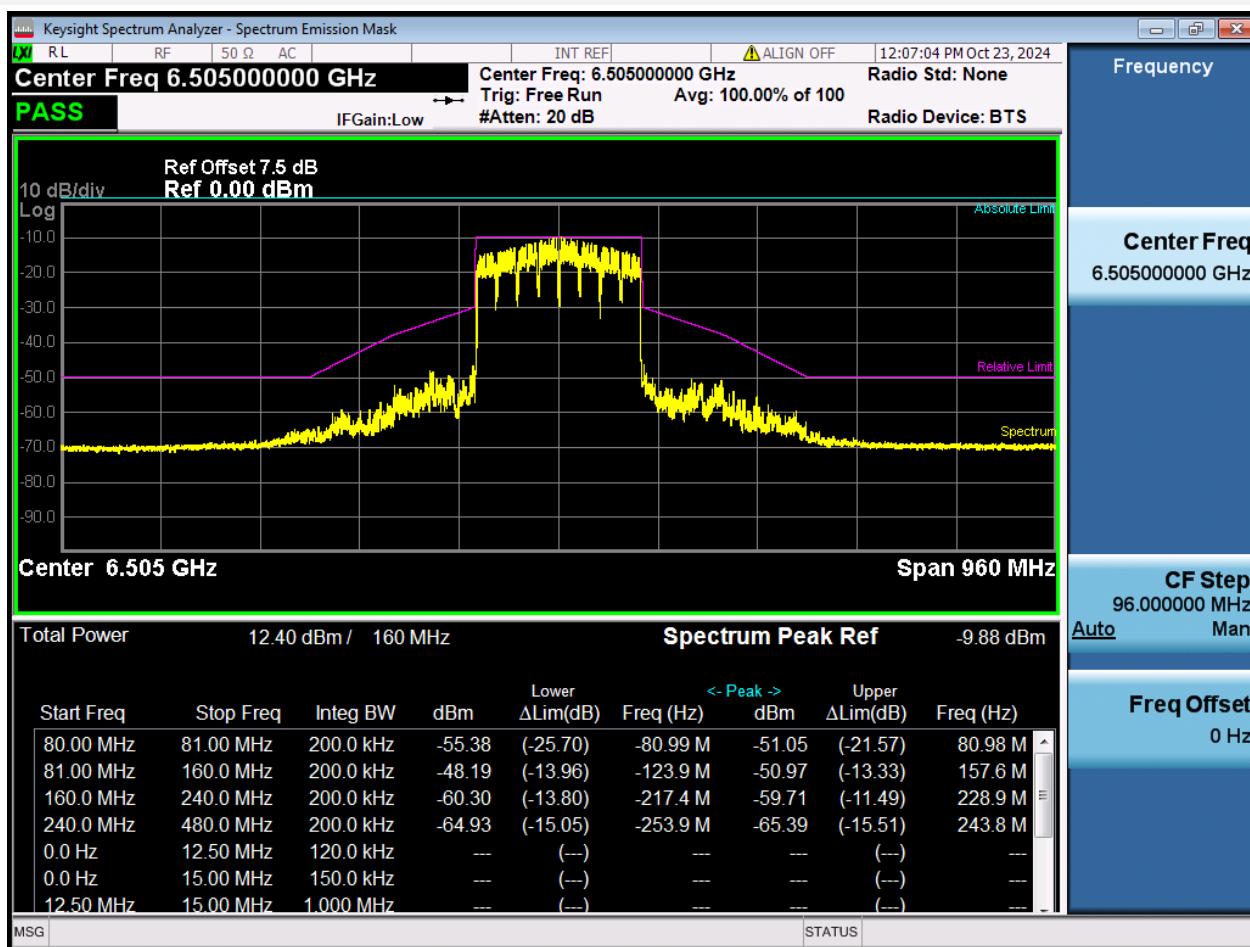
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-123.4	6341.6	-56.56	-66.91	16.56	Pass
-120	-80	0.2	-118.7	6346.3	-56.73	-67.08	17.12	Pass
-80	-41	0.2	-41.1	6423.9	-36.64	-46.99	16.62	Pass
-41	-40	0.2	-40.96	6424.04	-37.04	-47.39	17.84	Pass
40	41	0.2	40.97	6505.97	-42.09	-52.44	22.69	Pass
41	80	0.2	42.6	6507.6	-38.42	-48.77	18.09	Pass
80	120	0.2	118.8	6583.8	-56.22	-66.57	16.58	Pass
120	240	0.2	132	6597	-56.84	-67.19	16.84	Pass

11ax80 (SU), U-NII-6, High Channel



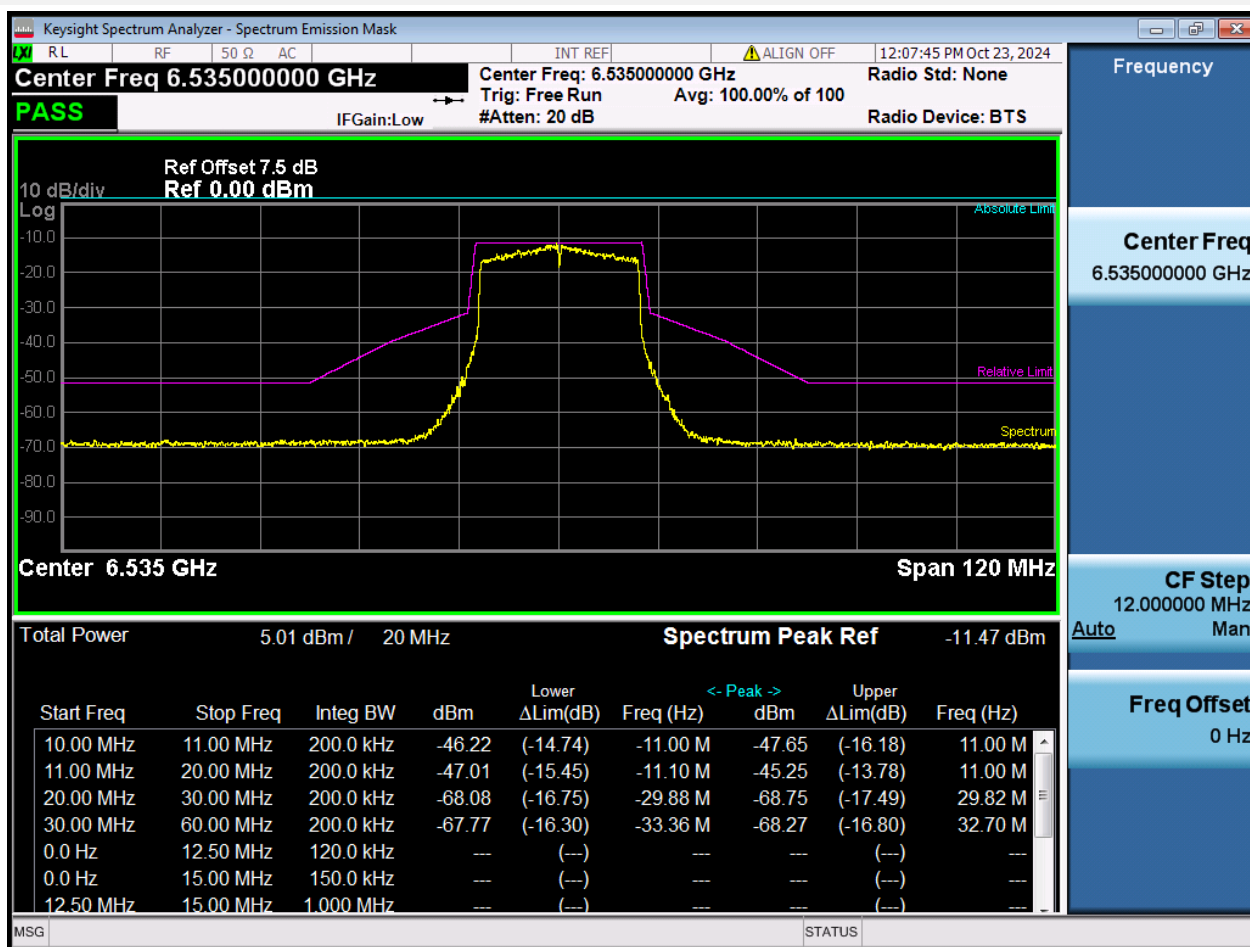
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-138.5	6406.5	-56.56	-66.93	16.56	Pass
-120	-80	0.2	-114.9	6430.1	-54.55	-64.93	16.08	Pass
-80	-41	0.2	-41.2	6503.8	-35.62	-46	15.58	Pass
-41	-40	0.2	-40.9	6504.1	-36.12	-46.5	18.12	Pass
40	41	0.2	40.975	6585.975	-41.39	-51.77	21.89	Pass
41	80	0.2	42.6	6587.6	-37.9	-48.28	17.57	Pass
80	120	0.2	119.5	6664.5	-56.93	-67.31	17.08	Pass
120	240	0.2	123.8	6668.8	-56.74	-67.11	16.74	Pass

11ax160 (SU), U-NII-6, Middle Channel



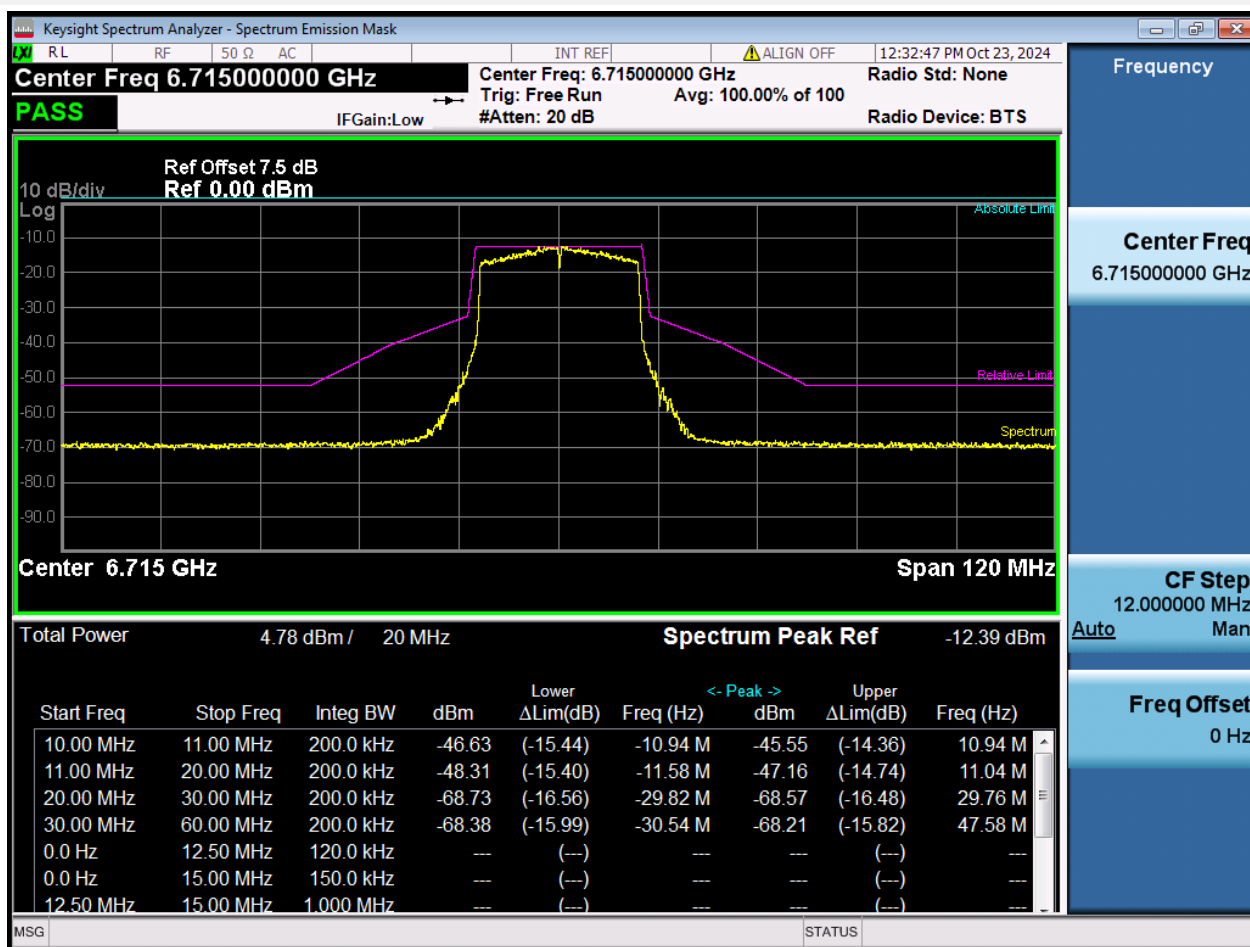
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-253.9	6251.1	-55.05	-64.93	15.05	Pass
-240	-160	0.2	-217.4	6287.6	-50.41	-60.3	13.8	Pass
-160	-81	0.2	-123.9	6381.1	-38.3	-48.19	13.96	Pass
-81	-80	0.2	-80.99	6424.01	-45.5	-55.38	25.7	Pass
80	81	0.2	80.98	6585.98	-41.17	-51.05	21.57	Pass
81	160	0.2	157.6	6662.6	-41.08	-50.97	13.33	Pass
160	240	0.2	228.9	6733.9	-49.83	-59.71	11.49	Pass
240	480	0.2	243.8	6748.8	-55.51	-65.39	15.51	Pass

11ax20 (SU), U-NII-7, Low Channel



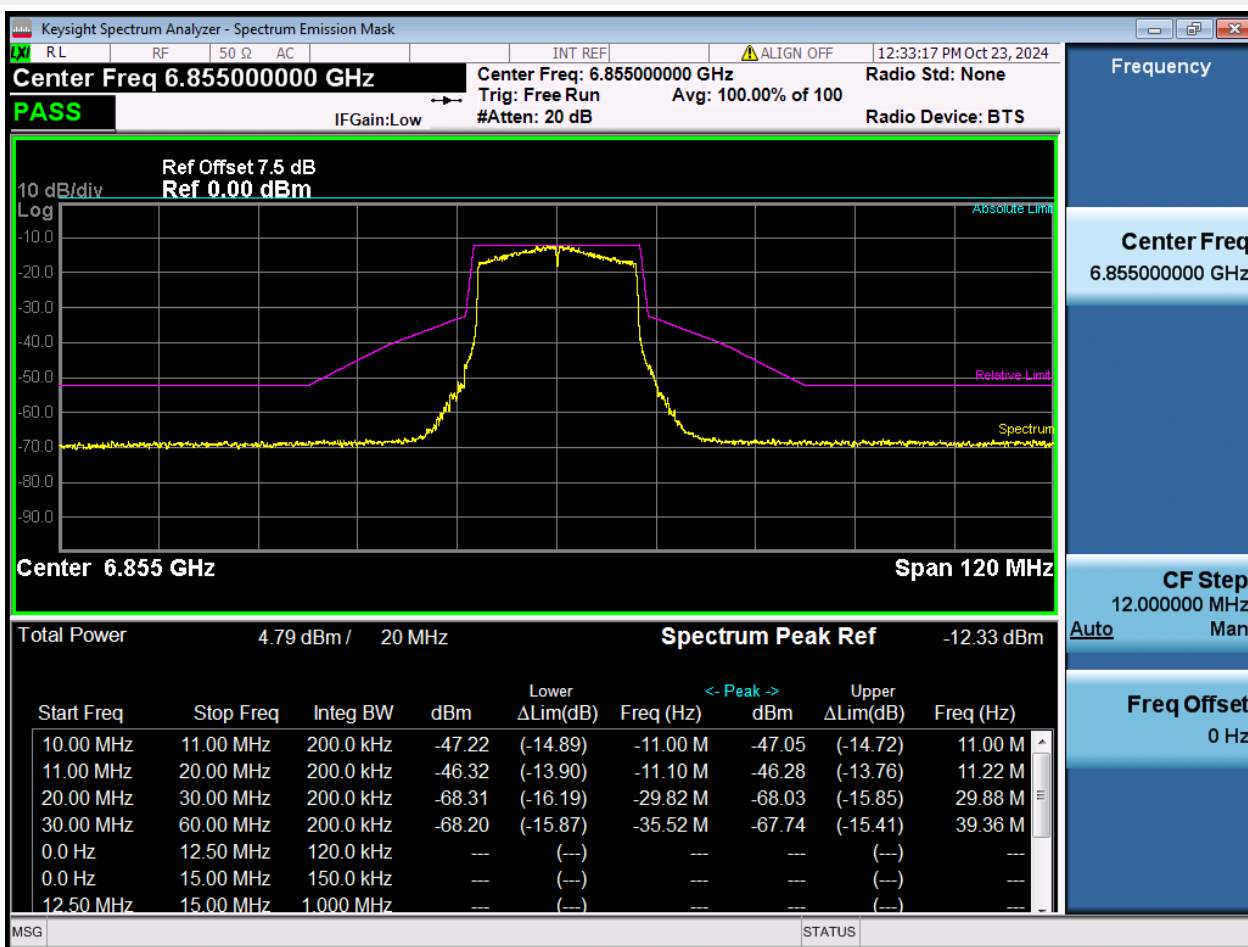
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-33.36	6501.64	-56.3	-67.77	16.3	Pass
-30	-20	0.2	-29.88	6505.12	-56.61	-68.08	16.75	Pass
-20	-11	0.2	-11.1	6523.9	-35.54	-47.01	15.45	Pass
-11	-10	0.2	-11	6524	-34.74	-46.22	14.74	Pass
10	11	0.2	11	6546	-36.18	-47.65	16.18	Pass
11	20	0.2	11	6546	-33.78	-45.25	13.78	Pass
20	30	0.2	29.82	6564.82	-57.27	-68.75	17.49	Pass
30	60	0.2	32.7	6567.7	-56.8	-68.27	16.8	Pass

11ax20 (SU), U-NII-7, Middle Channel



Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-30.54	6684.46	-55.99	-68.38	15.99	Pass
-30	-20	0.2	-29.82	6685.18	-56.35	-68.73	16.56	Pass
-20	-11	0.2	-11.58	6703.42	-35.92	-48.31	15.4	Pass
-11	-10	0.2	-10.940055	6704.059946	-34.24	-46.63	15.44	Pass
10	11	0.2	10.940055	6725.940054	-33.16	-45.55	14.36	Pass
11	20	0.2	11.04	6726.04	-34.77	-47.16	14.74	Pass
20	30	0.2	29.76	6744.76	-56.19	-68.57	16.48	Pass
30	60	0.2	47.58	6762.58	-55.82	-68.21	15.82	Pass

11ax20 (SU), U-NII-7, High Channel



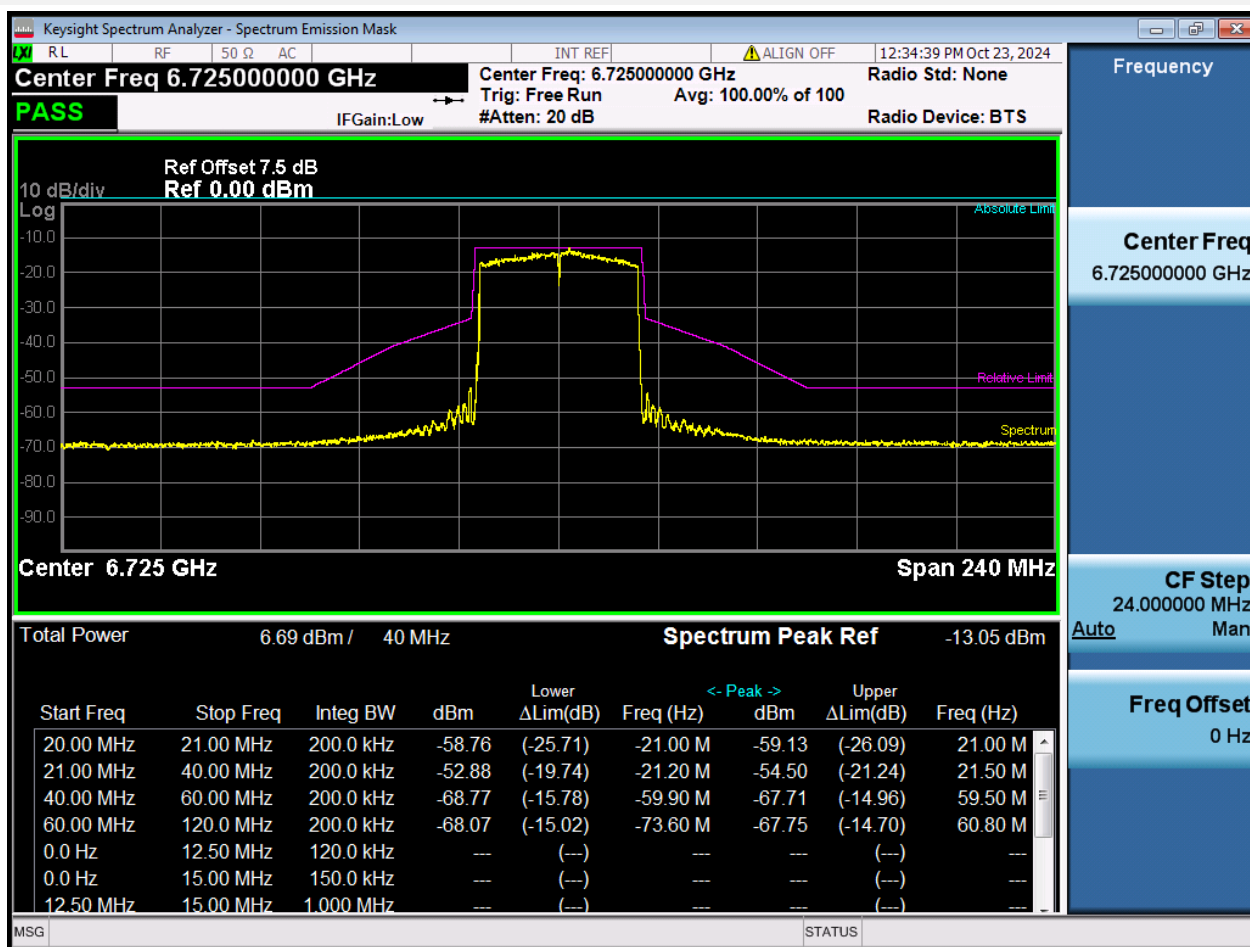
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-35.52	6819.48	-55.87	-68.2	15.87	Pass
-30	-20	0.2	-29.82	6825.18	-55.98	-68.31	16.19	Pass
-20	-11	0.2	-11.1	6843.9	-33.98	-46.32	13.9	Pass
-11	-10	0.2	-11	6844	-34.89	-47.22	14.89	Pass
10	11	0.2	11	6866	-34.72	-47.05	14.72	Pass
11	20	0.2	11.22	6866.22	-33.95	-46.28	13.76	Pass
20	30	0.2	29.88	6884.88	-55.7	-68.03	15.85	Pass
30	60	0.2	39.36	6894.36	-55.41	-67.74	15.41	Pass

11ax40 (SU), U-NII-7, Low Channel



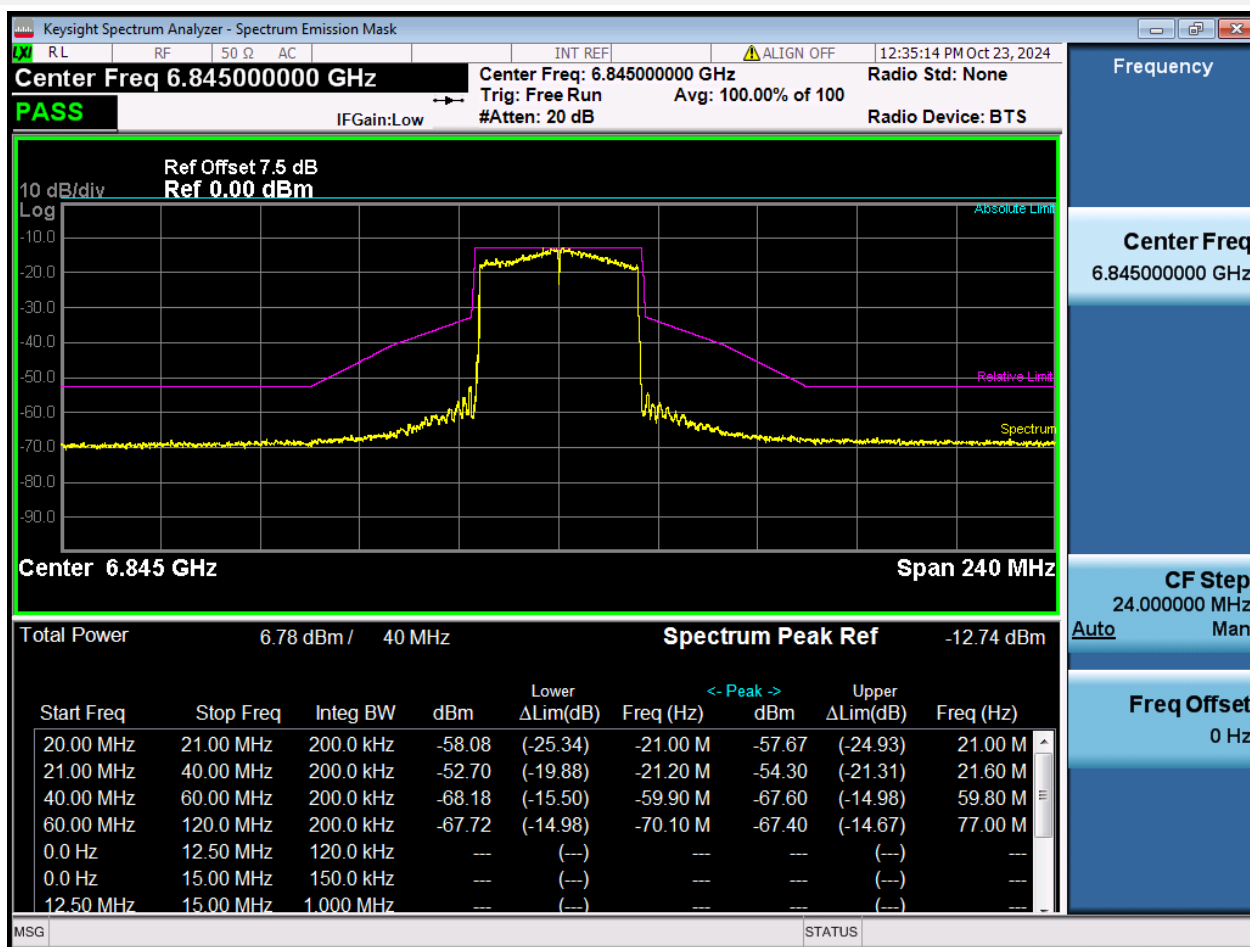
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-79.6	6485.4	-54.51	-67.6	14.51	Pass
-60	-40	0.2	-59.9	6505.1	-54.51	-67.6	14.57	Pass
-40	-21	0.2	-21.4	6543.6	-40.57	-53.66	20.4	Pass
-21	-20	0.2	-21	6544	-44.44	-57.53	24.44	Pass
20	21	0.2	21	6586	-47.37	-60.47	27.37	Pass
21	40	0.2	21.5	6586.5	-41.22	-54.32	21.01	Pass
40	60	0.2	59.9	6624.9	-55.24	-68.33	15.3	Pass
60	120	0.2	67.1	6632.1	-54.96	-68.05	14.96	Pass

11ax40 (SU), U-NII-7, Middle Channel



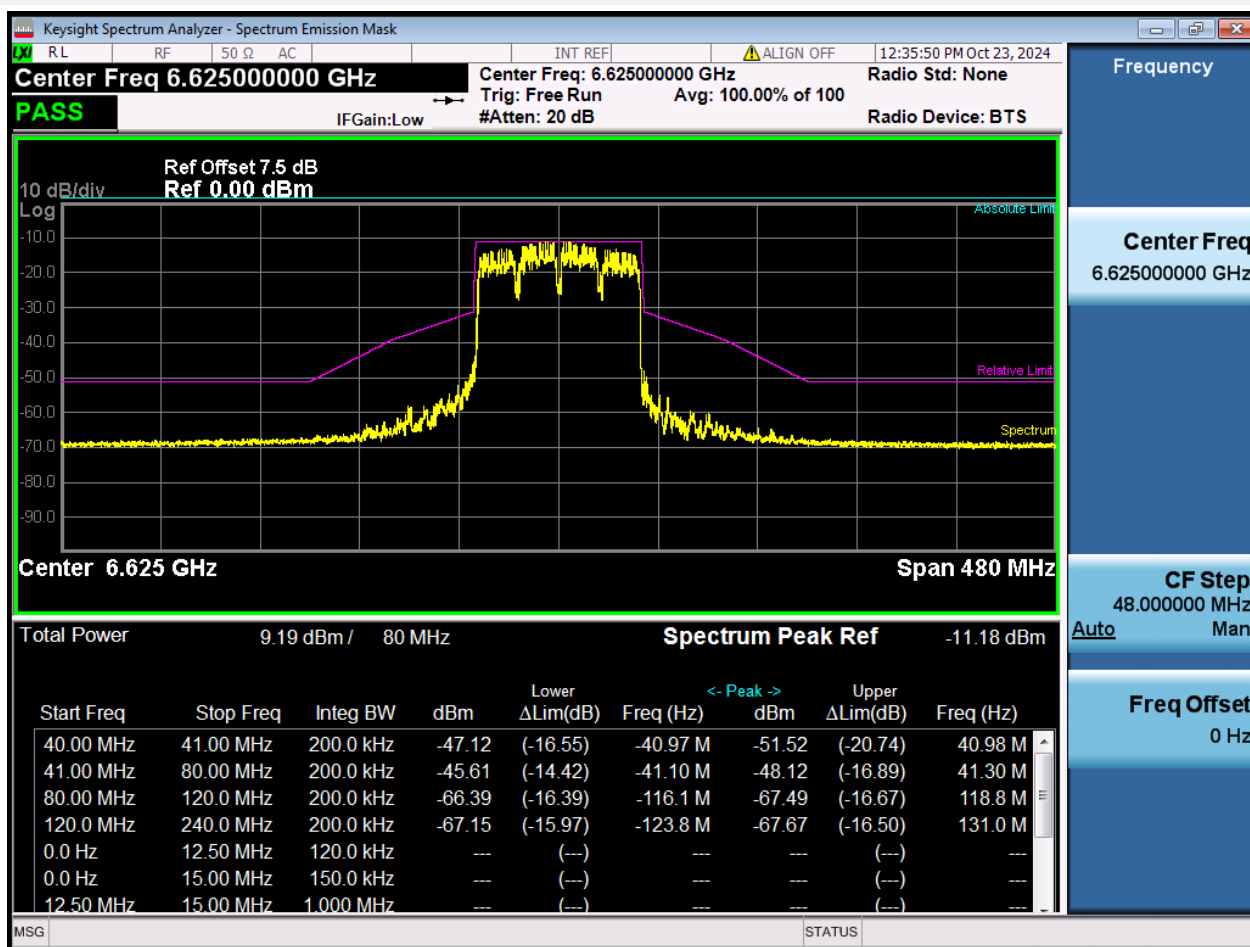
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-73.6	6651.4	-55.02	-68.07	15.02	Pass
-60	-40	0.2	-59.9	6665.1	-55.72	-68.77	15.78	Pass
-40	-21	0.2	-21.2	6703.8	-39.83	-52.88	19.74	Pass
-21	-20	0.2	-21	6704	-45.71	-58.76	25.71	Pass
20	21	0.2	21	6746	-46.09	-59.13	26.09	Pass
21	40	0.2	21.5	6746.5	-41.45	-54.5	21.24	Pass
40	60	0.2	59.5	6784.5	-54.66	-67.71	14.96	Pass
60	120	0.2	60.8	6785.8	-54.7	-67.75	14.7	Pass

11ax40 (SU), U-NII-7, High Channel



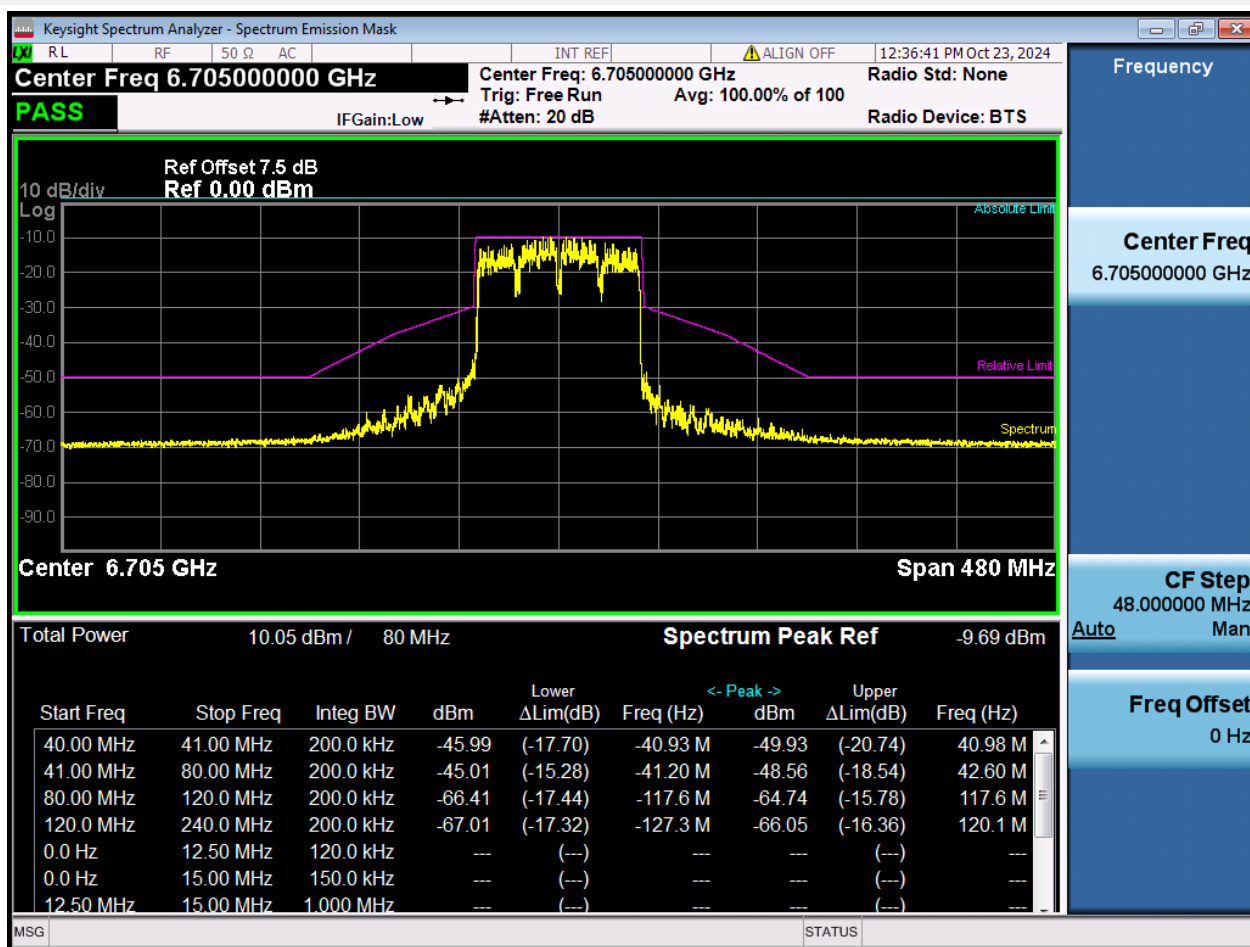
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-70.1	6774.9	-54.98	-67.72	14.98	Pass
-60	-40	0.2	-59.9	6785.1	-55.44	-68.18	15.5	Pass
-40	-21	0.2	-21.2	6823.8	-39.96	-52.7	19.88	Pass
-21	-20	0.2	-21	6824	-45.34	-58.08	25.34	Pass
20	21	0.2	21	6866	-44.93	-57.67	24.93	Pass
21	40	0.2	21.6	6866.6	-41.56	-54.3	21.31	Pass
40	60	0.2	59.8	6904.8	-54.86	-67.6	14.98	Pass
60	120	0.2	77	6922	-54.67	-67.4	14.67	Pass

11ax80 (SU), U-NII-7, Low Channel



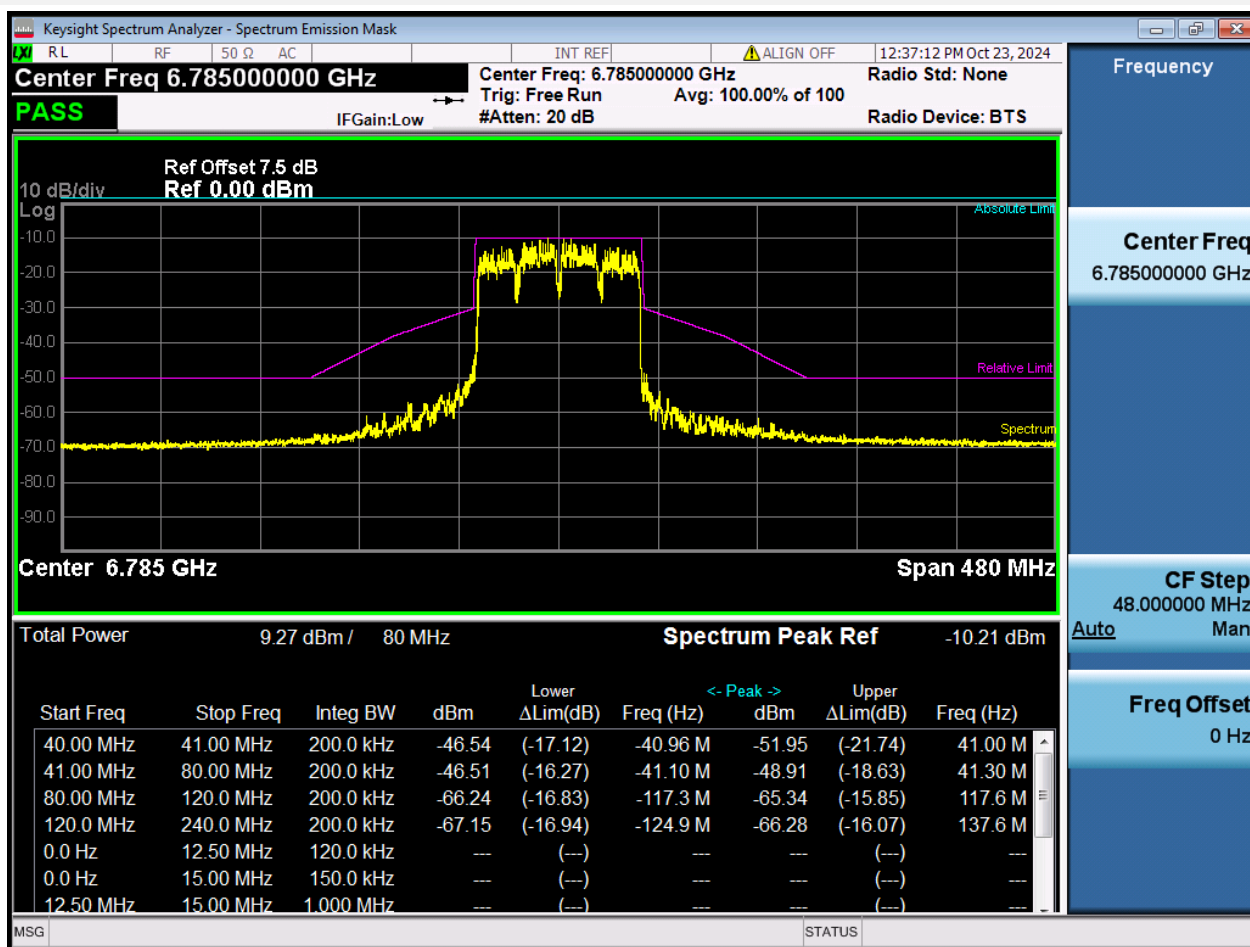
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-123.8	6501.2	-55.97	-67.15	15.97	Pass
-120	-80	0.2	-116.1	6508.9	-55.22	-66.39	16.39	Pass
-80	-41	0.2	-41.1	6583.9	-34.44	-45.61	14.42	Pass
-41	-40	0.2	-40.97	6584.03	-35.95	-47.12	16.55	Pass
40	41	0.2	40.98	6665.98	-40.34	-51.52	20.74	Pass
41	80	0.2	41.3	6666.3	-36.95	-48.12	16.89	Pass
80	120	0.2	118.8	6743.8	-56.31	-67.49	16.67	Pass
120	240	0.2	131	6756	-56.5	-67.67	16.5	Pass

11ax80 (SU), U-NII-7, Middle Channel



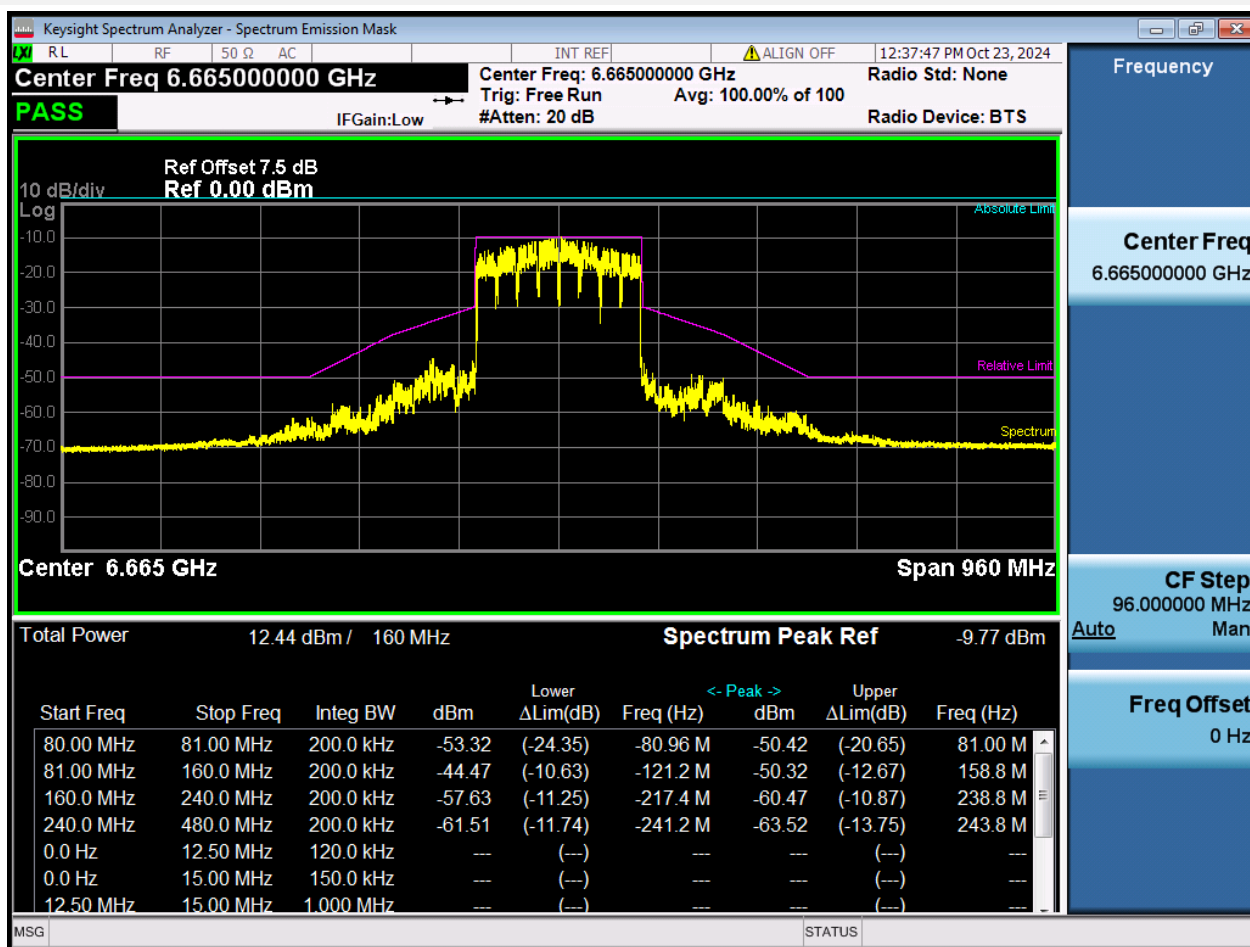
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-127.3	6577.7	-57.32	-67.01	17.32	Pass
-120	-80	0.2	-117.6	6587.4	-56.72	-66.41	17.44	Pass
-80	-41	0.2	-41.2	6663.8	-35.32	-45.01	15.28	Pass
-41	-40	0.2	-40.93	6664.07	-36.3	-45.99	17.7	Pass
40	41	0.2	40.975	6745.975	-40.24	-49.93	20.74	Pass
41	80	0.2	42.6	6747.6	-38.87	-48.56	18.54	Pass
80	120	0.2	117.6	6822.6	-55.06	-64.74	15.78	Pass
120	240	0.2	120.1	6825.1	-56.36	-66.05	16.36	Pass

11ax80 (SU), U-NII-7, High Channel



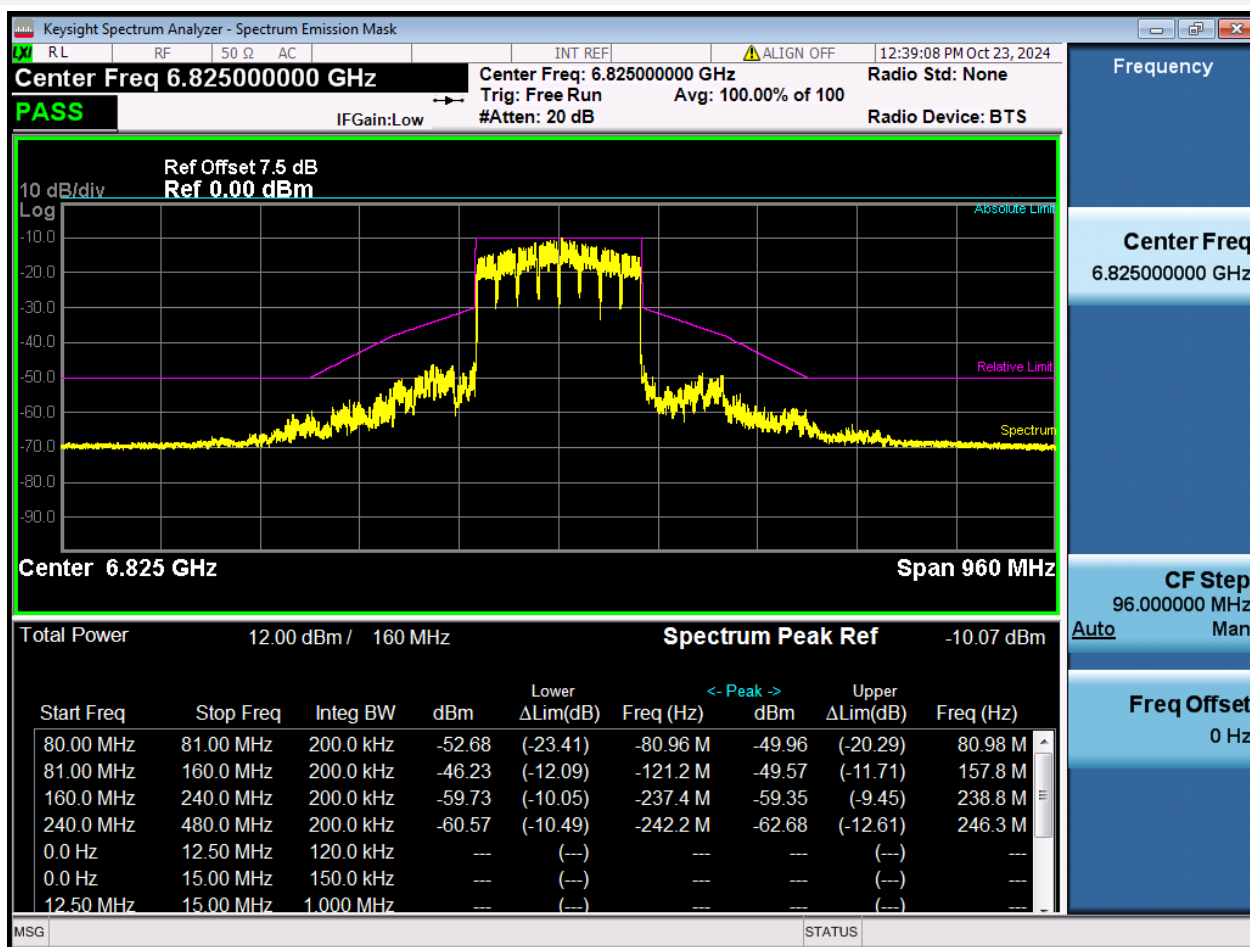
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-124.9	6660.1	-56.94	-67.15	16.94	Pass
-120	-80	0.2	-117.3	6667.7	-56.02	-66.24	16.83	Pass
-80	-41	0.2	-41.1	6743.9	-36.29	-46.51	16.27	Pass
-41	-40	0.2	-40.96	6744.04	-36.32	-46.54	17.12	Pass
40	41	0.2	41	6826	-41.74	-51.95	21.74	Pass
41	80	0.2	41.3	6826.3	-38.7	-48.91	18.63	Pass
80	120	0.2	117.6	6902.6	-55.13	-65.34	15.85	Pass
120	240	0.2	137.6	6922.6	-56.07	-66.28	16.07	Pass

11ax160 (SU), U-NII-7, Low Channel



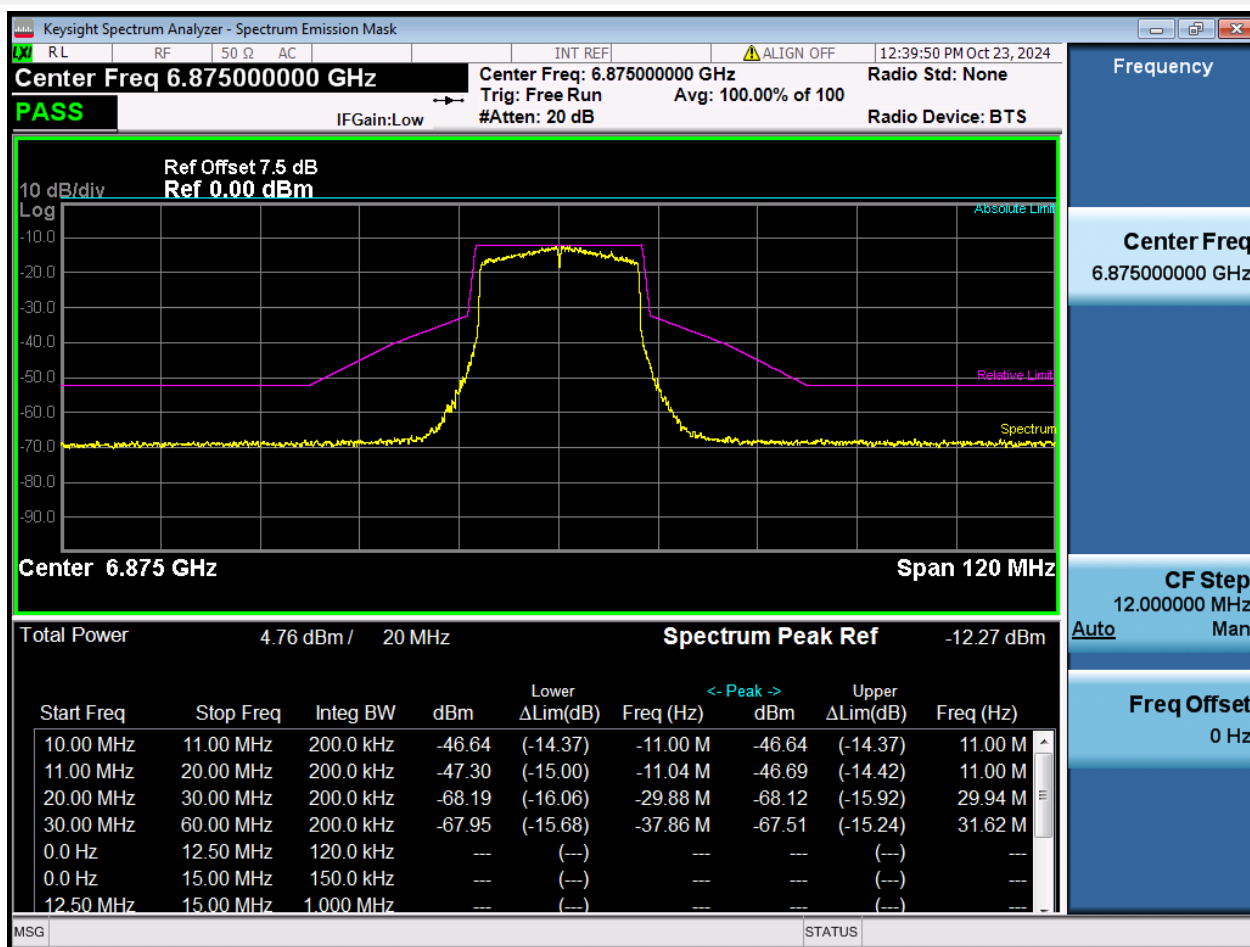
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-241.2	6423.8	-51.74	-61.51	11.74	Pass
-240	-160	0.2	-217.4	6447.6	-47.86	-57.63	11.25	Pass
-160	-81	0.2	-121.2	6543.8	-34.7	-44.47	10.63	Pass
-81	-80	0.2	-80.96	6584.04	-43.55	-53.32	24.35	Pass
80	81	0.2	81	6746	-40.65	-50.42	20.65	Pass
81	160	0.2	158.8	6823.8	-40.55	-50.32	12.67	Pass
160	240	0.2	238.8	6903.8	-50.69	-60.47	10.87	Pass
240	480	0.2	243.8	6908.8	-53.75	-63.52	13.75	Pass

11ax160 (SU), U-NII-7, High Channel



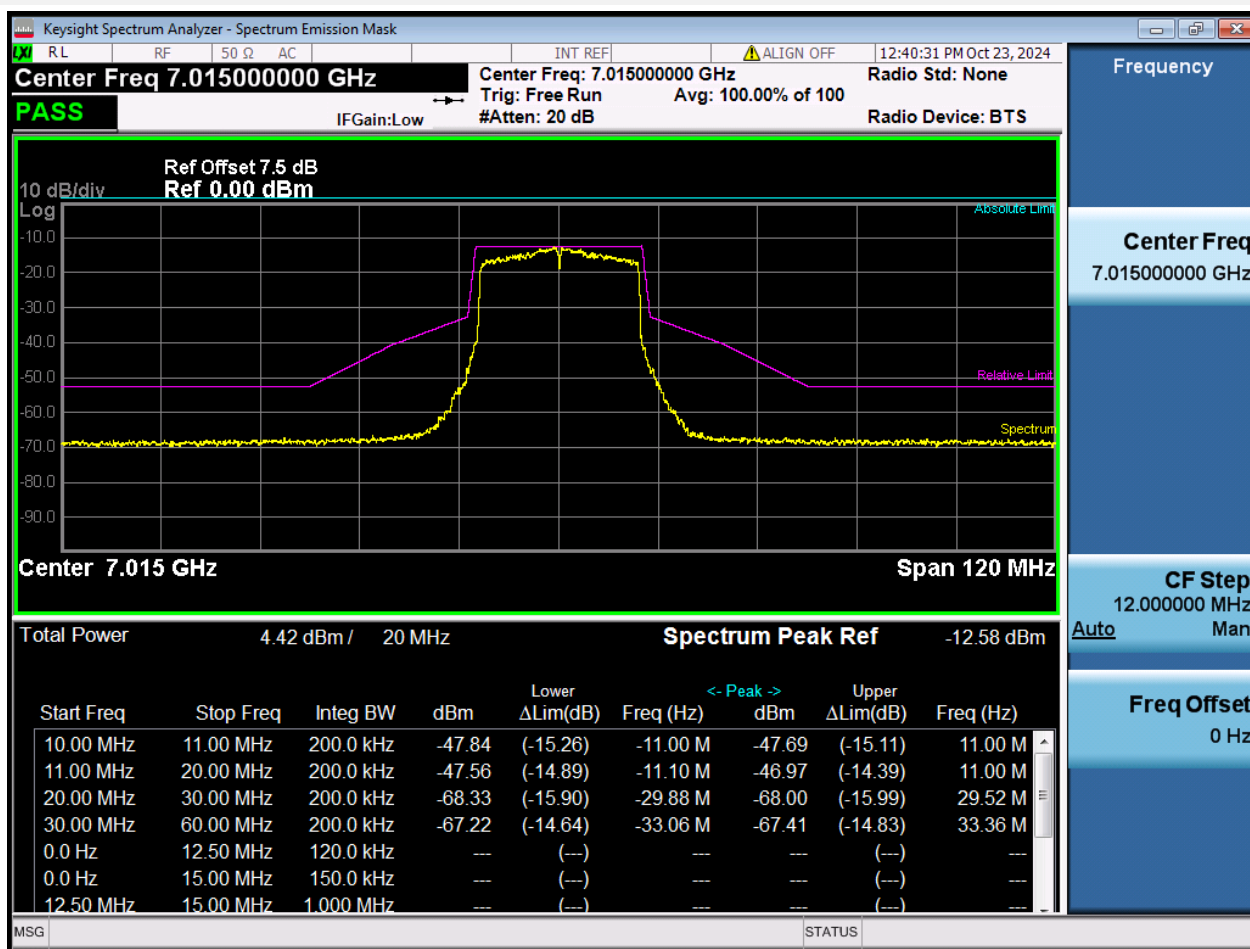
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-242.2	6582.8	-50.49	-60.57	10.49	Pass
-240	-160	0.2	-237.4	6587.6	-49.66	-59.73	10.05	Pass
-160	-81	0.2	-121.2	6703.8	-36.16	-46.23	12.09	Pass
-81	-80	0.2	-80.96	6744.04	-42.61	-52.68	23.41	Pass
80	81	0.2	80.98	6905.98	-39.89	-49.96	20.29	Pass
81	160	0.2	157.8	6982.8	-39.49	-49.57	11.71	Pass
160	240	0.2	238.8	7063.8	-49.27	-59.35	9.45	Pass
240	480	0.2	246.3	7071.3	-52.61	-62.68	12.61	Pass

11ax20 (SU), U-NII-8, Low Channel



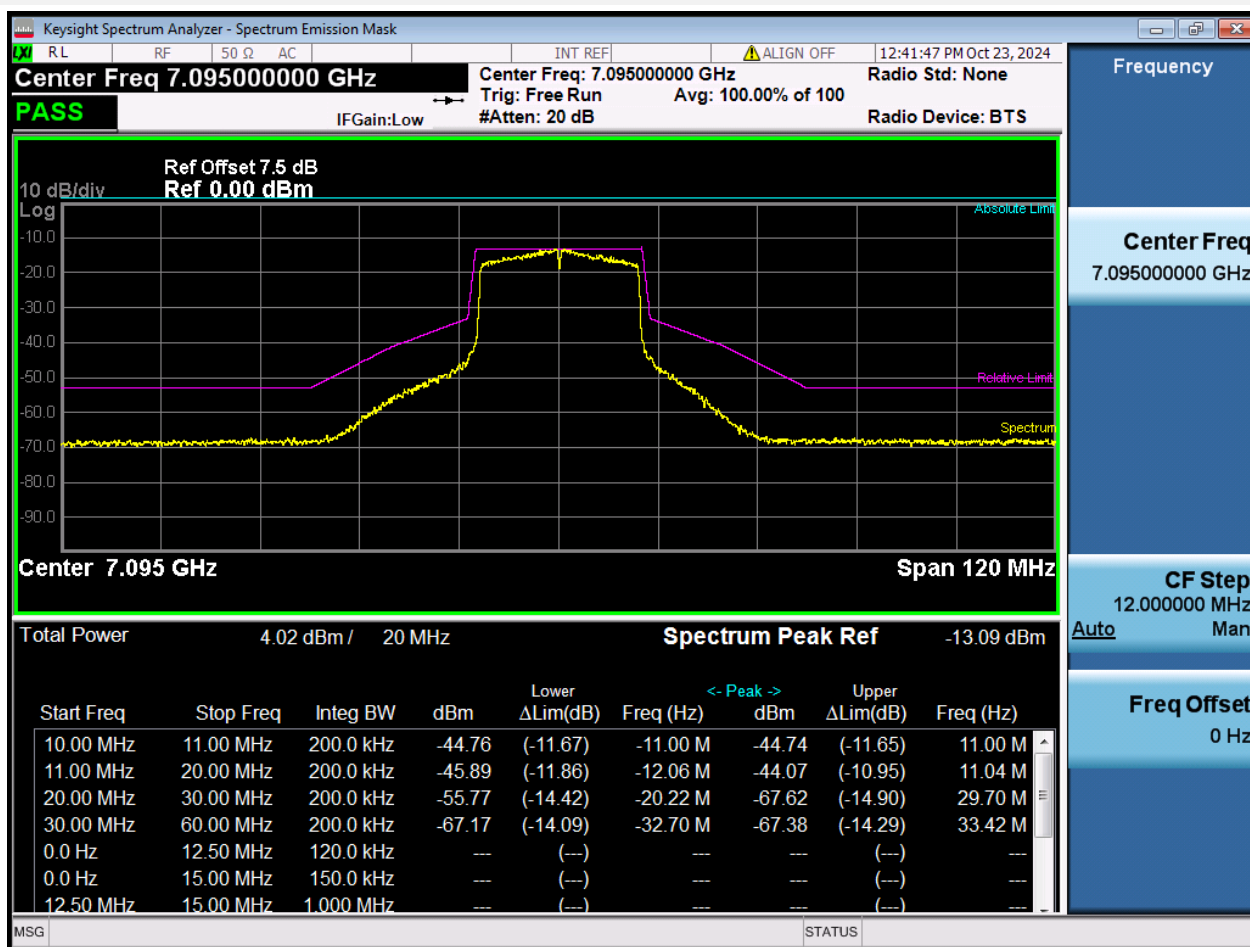
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-37.86	6837.14	-55.68	-67.95	15.68	Pass
-30	-20	0.2	-29.88	6845.12	-55.92	-68.19	16.06	Pass
-20	-11	0.2	-11.04	6863.96	-35.03	-47.3	15	Pass
-11	-10	0.2	-11	6864	-34.37	-46.64	14.37	Pass
10	11	0.2	11	6886	-34.37	-46.64	14.37	Pass
11	20	0.2	11	6886	-34.42	-46.69	14.42	Pass
20	30	0.2	29.94	6904.94	-55.85	-68.12	15.92	Pass
30	60	0.2	31.62	6906.62	-55.24	-67.51	15.24	Pass

11ax20 (SU), U-NII-8, Middle Channel



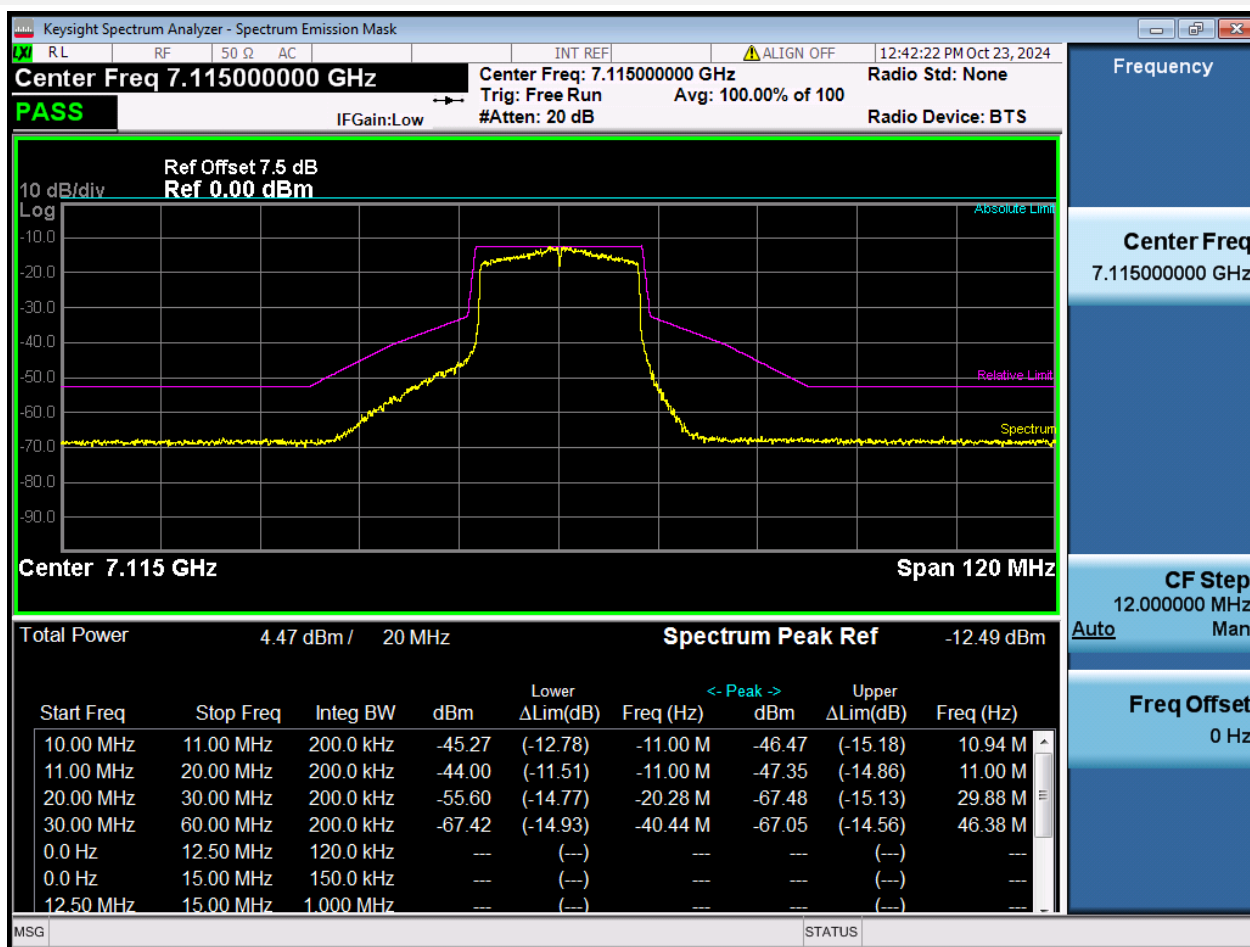
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-33.06	6981.94	-54.64	-67.22	14.64	Pass
-30	-20	0.2	-29.88	6985.12	-55.75	-68.33	15.9	Pass
-20	-11	0.2	-11.1	7003.9	-34.98	-47.56	14.89	Pass
-11	-10	0.2	-11	7004	-35.26	-47.84	15.26	Pass
10	11	0.2	11	7026	-35.11	-47.69	15.11	Pass
11	20	0.2	11	7026	-34.39	-46.97	14.39	Pass
20	30	0.2	29.52	7044.52	-55.42	-68	15.99	Pass
30	60	0.2	33.36	7048.36	-54.83	-67.41	14.83	Pass

11ax20 (SU), U-NII-8, Middle Channel



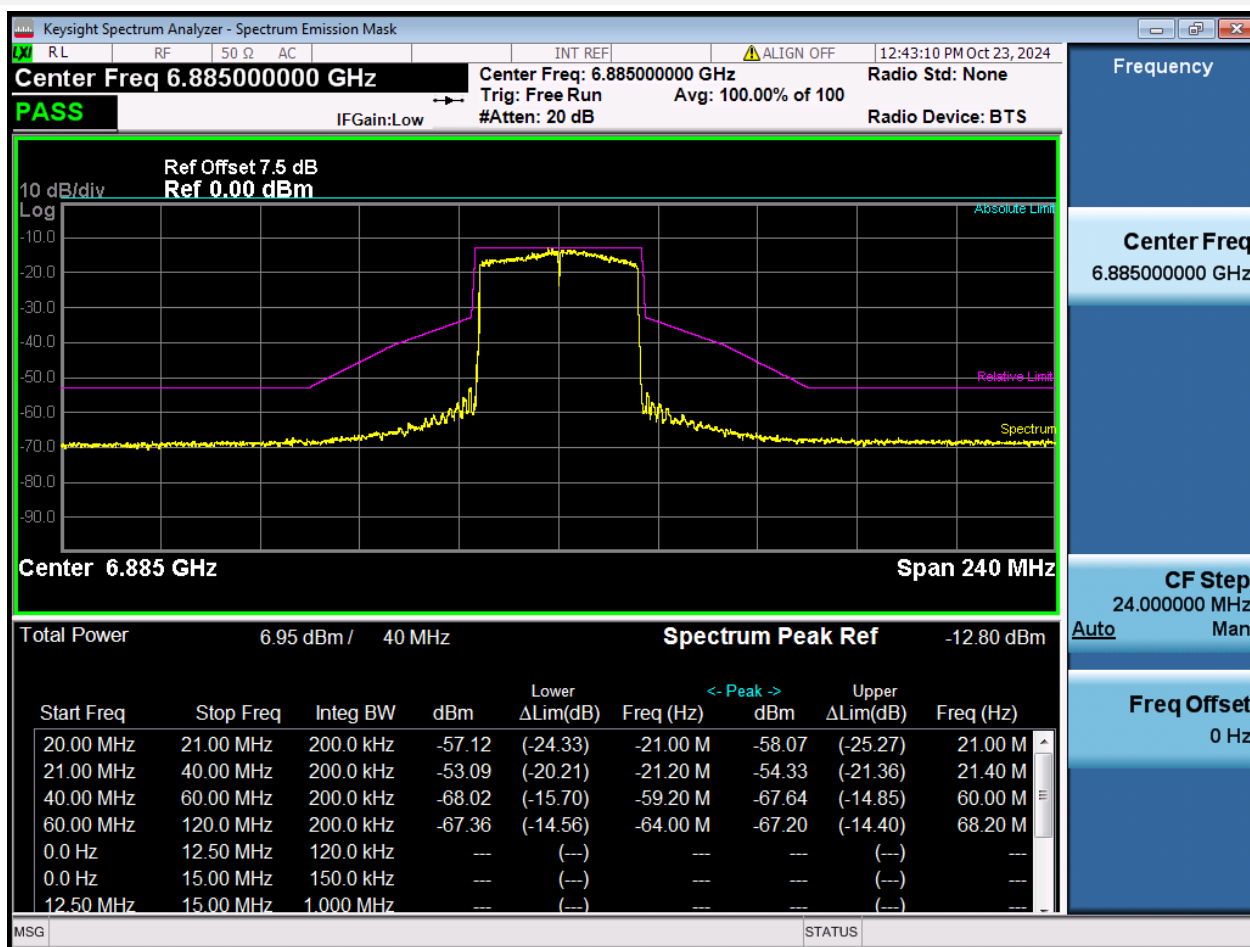
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-32.7	7062.3	-54.09	-67.17	14.09	Pass
-30	-20	0.2	-20.22	7074.78	-42.68	-55.77	14.42	Pass
-20	-11	0.2	-12.06	7082.94	-32.8	-45.89	11.86	Pass
-11	-10	0.2	-11	7084	-31.67	-44.76	11.67	Pass
10	11	0.2	11	7106	-31.65	-44.74	11.65	Pass
11	20	0.2	11.04	7106.04	-30.99	-44.07	10.95	Pass
20	30	0.2	29.7	7124.7	-54.54	-67.62	14.9	Pass
30	60	0.2	33.42	7128.42	-54.29	-67.38	14.29	Pass

11ax20 (SU), U-NII-8, High Channel



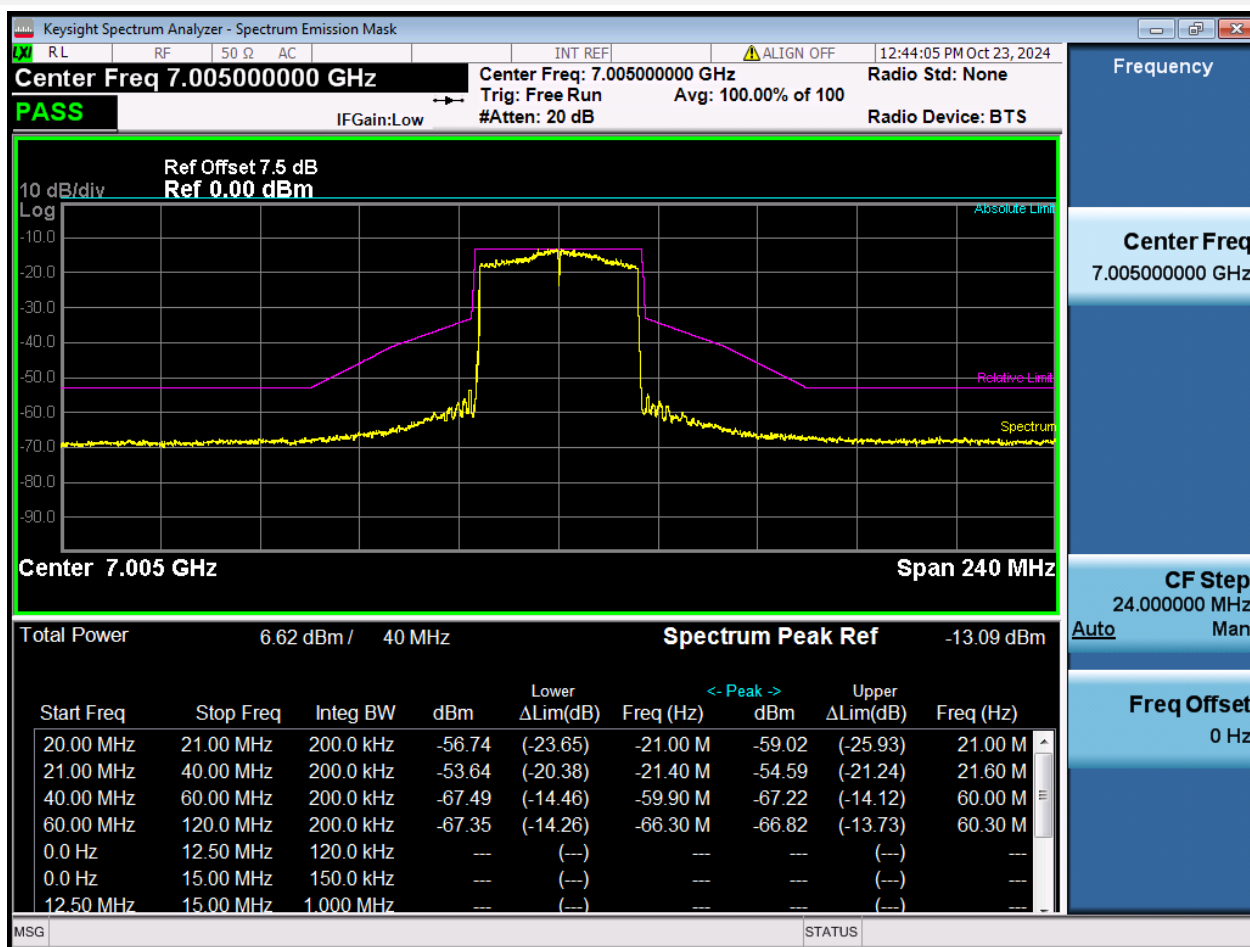
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-60	-30	0.2	-40.44	7074.56	-54.93	-67.42	14.93	Pass
-30	-20	0.2	-20.28	7094.72	-43.11	-55.6	14.77	Pass
-20	-11	0.2	-11	7104	-31.51	-44	11.51	Pass
-11	-10	0.2	-11	7104	-32.78	-45.27	12.78	Pass
10	11	0.2	10.940055	7125.940054	-33.98	-46.47	15.18	Pass
11	20	0.2	11	7126	-34.86	-47.35	14.86	Pass
20	30	0.2	29.88	7144.88	-54.99	-67.48	15.13	Pass
30	60	0.2	46.38	7161.38	-54.56	-67.05	14.56	Pass

11ax40 (SU), U-NII-8, Low Channel



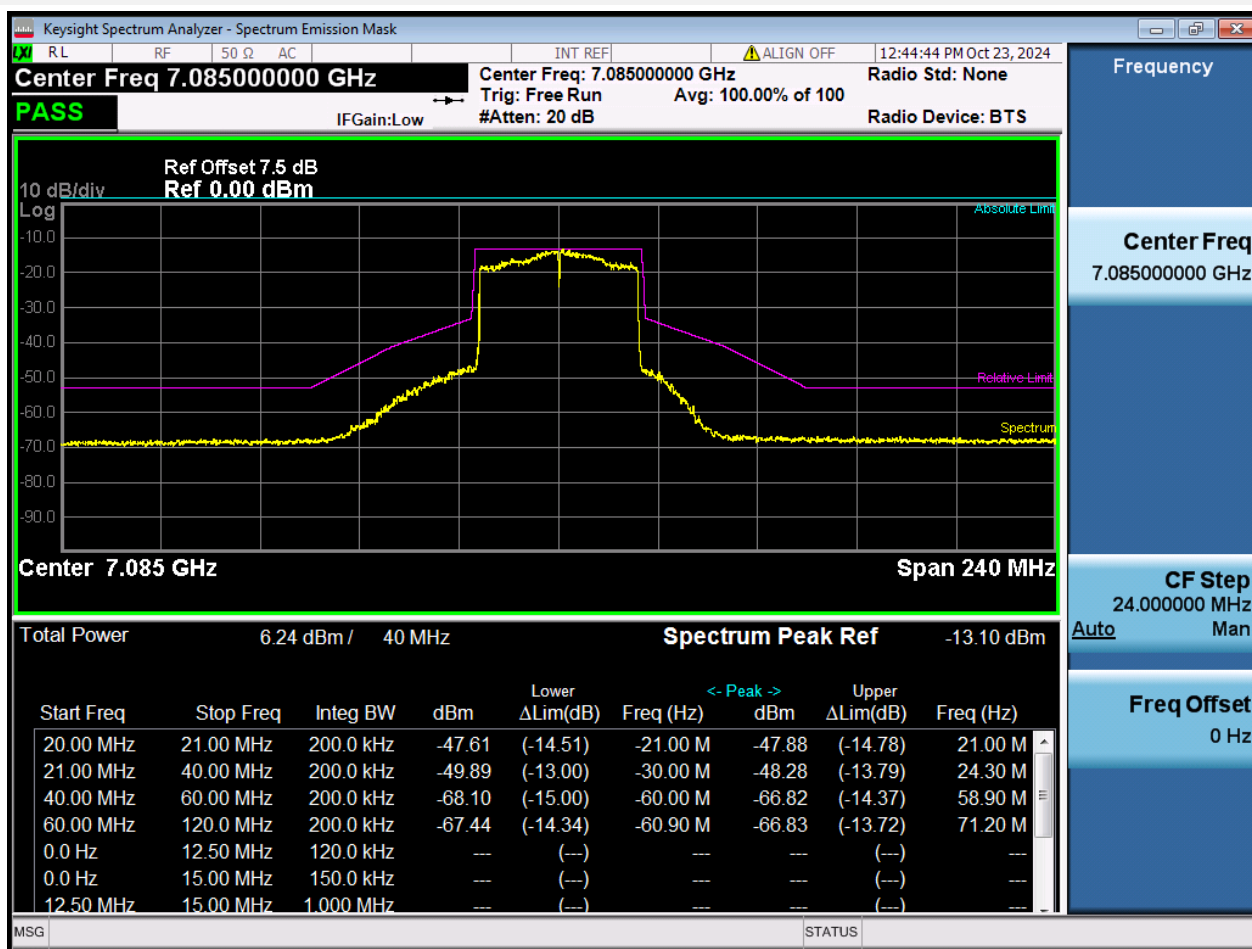
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-64	6821	-54.56	-67.36	14.56	Pass
-60	-40	0.2	-59.2	6825.8	-55.22	-68.02	15.7	Pass
-40	-21	0.2	-21.2	6863.8	-40.29	-53.09	20.21	Pass
-21	-20	0.2	-21	6864	-44.33	-57.12	24.33	Pass
20	21	0.2	21	6906	-45.27	-58.07	25.27	Pass
21	40	0.2	21.4	6906.4	-41.53	-54.33	21.36	Pass
40	60	0.2	60	6945	-54.85	-67.64	14.85	Pass
60	120	0.2	68.2	6953.2	-54.4	-67.2	14.4	Pass

11ax40 (SU), U-NII-8, Middle Channel



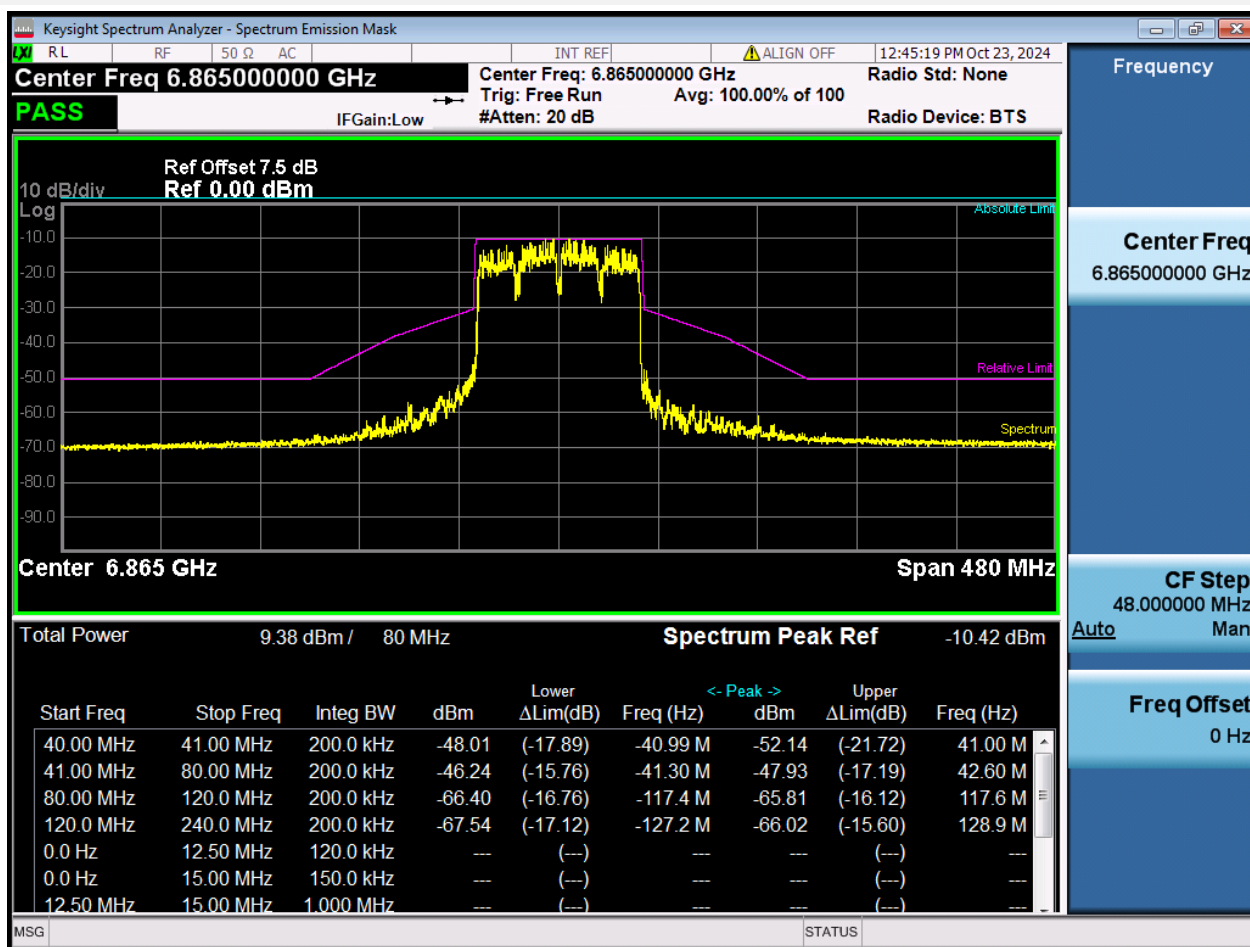
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-66.3	6938.7	-54.26	-67.35	14.26	Pass
-60	-40	0.2	-59.9	6945.1	-54.4	-67.49	14.46	Pass
-40	-21	0.2	-21.4	6983.6	-40.55	-53.64	20.38	Pass
-21	-20	0.2	-21	6984	-43.65	-56.74	23.65	Pass
20	21	0.2	21	7026	-45.93	-59.02	25.93	Pass
21	40	0.2	21.6	7026.6	-41.49	-54.59	21.24	Pass
40	60	0.2	60	7065	-54.12	-67.22	14.12	Pass
60	120	0.2	60.3	7065.3	-53.73	-66.82	13.73	Pass

11ax40 (SU), U-NII-8, High Channel



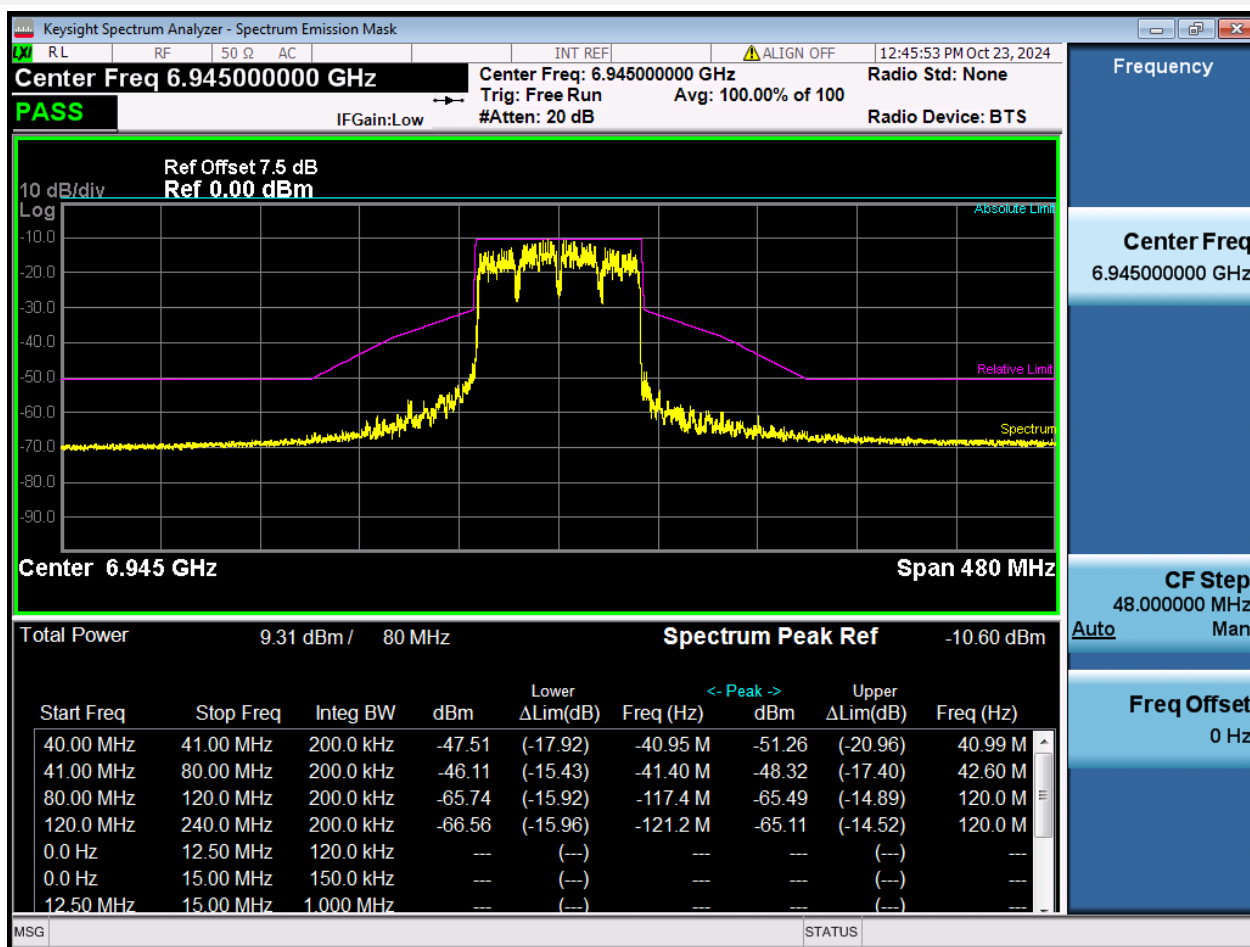
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-120	-60	0.2	-60.9	7024.1	-54.34	-67.44	14.34	Pass
-60	-40	0.2	-60	7025	-55	-68.1	15	Pass
-40	-21	0.2	-30	7055	-36.79	-49.89	13	Pass
-21	-20	0.2	-21	7064	-34.51	-47.61	14.51	Pass
20	21	0.2	21	7106	-34.78	-47.88	14.78	Pass
21	40	0.2	24.3	7109.3	-35.18	-48.28	13.79	Pass
40	60	0.2	58.9	7143.9	-53.71	-66.82	14.37	Pass
60	120	0.2	71.2	7156.2	-53.72	-66.83	13.72	Pass

11ax80 (SU), U-NII-8, Low Channel



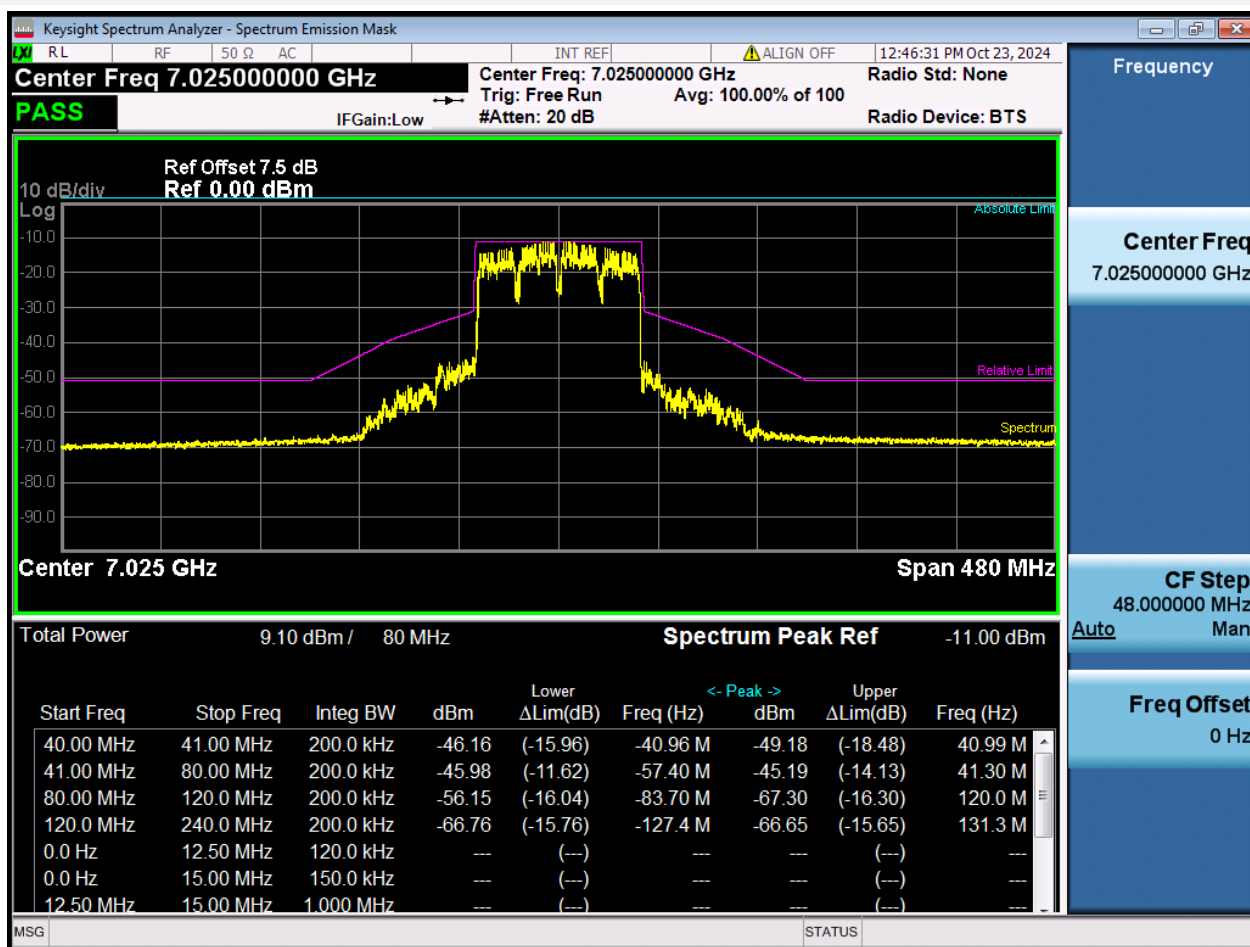
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-127.2	6737.8	-57.12	-67.54	17.12	Pass
-120	-80	0.2	-117.4	6747.6	-55.98	-66.4	16.76	Pass
-80	-41	0.2	-41.3	6823.7	-35.82	-46.24	15.76	Pass
-41	-40	0.2	-40.985	6824.015	-37.59	-48.01	17.89	Pass
40	41	0.2	41	6906	-41.72	-52.14	21.72	Pass
41	80	0.2	42.6	6907.6	-37.51	-47.93	17.19	Pass
80	120	0.2	117.6	6982.6	-55.4	-65.81	16.12	Pass
120	240	0.2	128.9	6993.9	-55.6	-66.02	15.6	Pass

11ax80 (SU), U-NII-8, Middle Channel



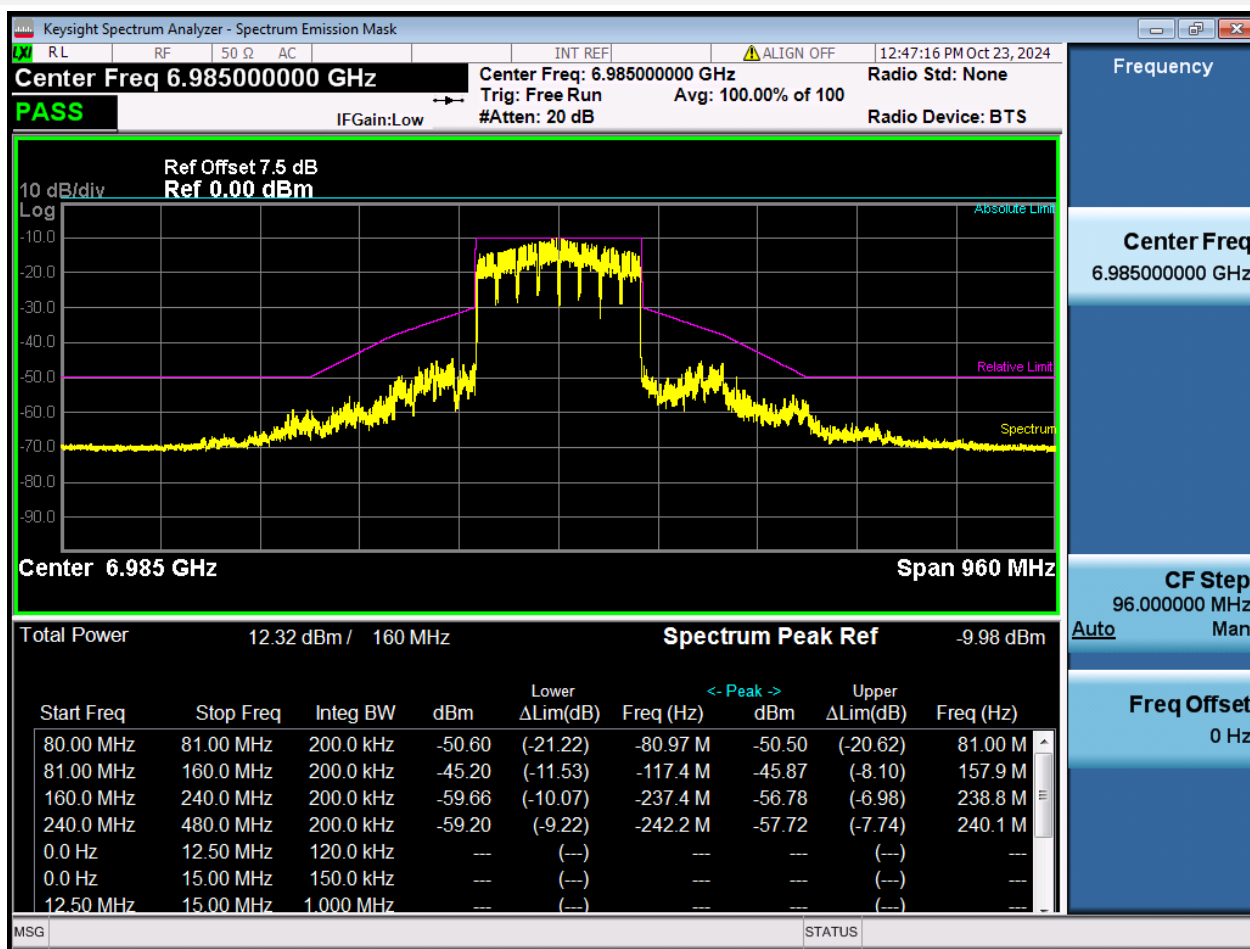
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-121.2	6823.8	-55.96	-66.56	15.96	Pass
-120	-80	0.2	-117.4	6827.6	-55.14	-65.74	15.92	Pass
-80	-41	0.2	-41.4	6903.6	-35.52	-46.11	15.43	Pass
-41	-40	0.2	-40.95	6904.05	-36.92	-47.51	17.92	Pass
40	41	0.2	40.985	6985.985	-40.66	-51.26	20.96	Pass
41	80	0.2	42.6	6987.6	-37.72	-48.32	17.4	Pass
80	120	0.2	120	7065	-54.89	-65.49	14.89	Pass
120	240	0.2	120	7065	-54.52	-65.11	14.52	Pass

11ax80 (SU), U-NII-8, High Channel



Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-240	-120	0.2	-127.4	6897.6	-55.76	-66.76	15.76	Pass
-120	-80	0.2	-83.7	6941.3	-45.15	-56.15	16.04	Pass
-80	-41	0.2	-57.4	6967.6	-34.98	-45.98	11.62	Pass
-41	-40	0.2	-40.96	6984.04	-35.16	-46.16	15.96	Pass
40	41	0.2	40.985	7065.985	-38.18	-49.18	18.48	Pass
41	80	0.2	41.3	7066.3	-34.19	-45.19	14.13	Pass
80	120	0.2	120	7145	-56.3	-67.3	16.3	Pass
120	240	0.2	131.3	7156.3	-55.65	-66.65	15.65	Pass

11ax160 (SU), U-NII-8, Middle Channel



Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Frequency Rel (MHz)	Frequency Abs (MHz)	Power Rel (dB)	Power Abs (dBm)	Margin (dB)	Verdict
-480	-240	0.2	-242.2	6742.8	-49.22	-59.2	9.22	Pass
-240	-160	0.2	-237.4	6747.6	-49.68	-59.66	10.07	Pass
-160	-81	0.2	-117.4	6867.6	-35.22	-45.2	11.53	Pass
-81	-80	0.2	-80.97	6904.03	-40.62	-50.6	21.22	Pass
80	81	0.2	80.995	7065.995	-40.52	-50.5	20.62	Pass
81	160	0.2	157.9	7142.9	-35.89	-45.87	8.1	Pass
160	240	0.2	238.8	7223.8	-46.8	-56.78	6.98	Pass
240	480	0.2	240.1	7225.1	-47.74	-57.72	7.74	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SH2490675-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2490675-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SH2490675-AI.PDF”.

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6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--