



TEST REPORT

Applicant: unitech electronics co., ltd.
Address: 5F., No. 136, Ln. 235, Baoqiao Rd., Xindian Dist.,
New Taipei City 231, Taiwan
Equipment Type: Rugged Handheld Computer
Model Name: PA768e (refer to section 2.3)
Brand Name: unitech
FCC ID: HLE-PA768EBWNWU
Test Standard: 47 CFR Part 15 Subpart E
(refer to section 3.1)
Sample Arrival Date: May 23, 2025
Test Date: Jun. 27, 2025 - Jul. 09, 2025
Date of Issue: Aug. 07, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Yang Wenxuan**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Aug. 07, 2025</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	unitech electronics co., ltd.
Address	5F., No. 136, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan

2.2 Manufacturer Information

Manufacturer	unitech electronics co., ltd.
Address	5F., No. 136, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan

2.3 General Description for Equipment under Test (EUT)

EUT Name	Rugged Handheld Computer
Model Name Under Test	PA768e
Series Model Name	PA768
Description of Model name differentiation	Only differences are model names for trading purpose. (this information provided by the applicant).
Hardware Version	FH22_MB_PCB_V1.2
Software Version	RAYAe_V14.00.00.09_20250517
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	2G Network GPRS/EDGE 850/900/1800/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA/HSPA+ Band 1/2/5/8 4G Network LTE FDD Band 1/2/3/4/5/7/8/12/14/17/20/28 LTE TDD Band 38/39/41 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax NFC, GPS, GLONASS, Galileo, BDS, UHF
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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	
Product Type	☐ Mobile ☒ Portable ☐ Fix Location	
Modulation technology	OFDM, OFDMA	
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK	
Transfer Rate (Mbps) (Single RF path)	802.11ax up to 1201 Mbps	
Channel Bandwidth	802.11ax: 20 MHz, 40 MHz, 80 MHz	
Maximum Output Power	U-NII-5: 38.53 mW U-NII-6: 40.62 mW U-NII-7: 43.53 mW U-NII-8: 44.85 mW	
Antenna System (eg., MIMO, Smart Antenna)	Multi Input Multi Output (MIMO) for 802.11ax	
Categorization as Correlated or Completely Uncorrelated	Categorization as Uncorrelated for 802.11ax	
Antenna Type	SISO-Antenna 2 SISO-Antenna 3	PIFA Antenna
Antenna Gain	SISO-Antenna 2 SISO-Antenna 3	U-NII-5: 5925 MHz to 6425 MHz: 0.97 dBi U-NII-6: 6425 MHz to 6525 MHz: -2.80 dBi U-NII-7: 6525 MHz to 6875 MHz: -2.98 dBi U-NII-8: 6875 MHz to 7125 MHz: -3.08 dBi U-NII-5: 5925 MHz to 6425 MHz: 1.32 dBi U-NII-6: 6425 MHz to 6525 MHz: 1.05 dBi U-NII-7: 6525 MHz to 6875 MHz: 0.54 dBi U-NII-8: 6875 MHz to 7125 MHz: -1.19 dBi

Total directional gain	For power spectral density (PSD) measurements	Correlated: U-NII-5: 5925 MHz to 6425 MHz: 4.16 dBi U-NII-6: 6425 MHz to 6525 MHz: 2.35 dBi U-NII-7: 6525 MHz to 6875 MHz: 1.97 dBi U-NII-8: 6875 MHz to 7125 MHz: 0.93 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / \text{NANT}]$ dBi Uncorrelated: U-NII-5: 5925 MHz to 6425 MHz: 1.15 dBi U-NII-6: 6425 MHz to 6525 MHz: -0.46 dBi U-NII-7: 6525 MHz to 6875 MHz: -0.87 dBi U-NII-8: 6875 MHz to 7125 MHz: -2.03 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / \text{NANT}]$ dBi
	For power measurements	Correlated: U-NII-5: 5925 MHz to 6425 MHz: 4.16 dBi U-NII-6: 6425 MHz to 6525 MHz: 2.35 dBi U-NII-7: 6525 MHz to 6875 MHz: 1.97 dBi U-NII-8: 6875 MHz to 7125 MHz: 0.93 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / \text{NANT}]$ dBi Uncorrelated: U-NII-5: 5925 MHz to 6425 MHz: 1.15 dBi U-NII-6: 6425 MHz to 6525 MHz: -0.46 dBi U-NII-7: 6525 MHz to 6875 MHz: -0.87 dBi U-NII-8: 6875 MHz to 7125 MHz: -2.03 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / \text{NANT}]$ dBi
About the Product		The equipment is Rugged Handheld Computer, intended for used with information technology equipment.

Mode	Antenna		
	SISO-Antenna 2	SISO-Antenna 3	MIMO
802.11ax20	√	√	√
802.11ax40	√	√	√
802.11ax80	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

802.11ax RU configuration table							
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484	RU_996
802.11ax20	√	--	--	--	--	--	--
802.11ax40	√	--	--	--	--	--	--
802.11ax80	√	--	--	--	--	--	--

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
1	5955	3	5965	7	5985
5	5975	11	6005	23	6065
9	5995	19	6045	39	6145
13	6015	27	6085	55	6225
17	6035	35	6125	71	6305
21	6055	43	6165	87	6385
25	6075	51	6205	103	6465
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 802.11a/ax(HE20)

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 (6525 - 6875 MHz)			U-NII-8 (6875 - 7125 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
117	Low	6535	185	Low	6875
149	Mid	6695	189	Mid	6895
181	High	6855	209	Mid	6995
			229	Mid	7095
			233	High	7115

For 802.11ax(HE40)

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	High	6485
91	High	6405			

U-NII-7 (6525 - 6875 MHz)			U-NII-8 (6875 - 7125 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
115	Low	6525	187	Low	6885
147	Mid	6685	211	Mid	7005
179	High	6845	227	High	7085

For 802.11ax(HE80)

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 (6525 - 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

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	93/45/1	113/105/97	181/149/117	233/229/209/189/185
	11ax(40 MHz)	8		91/43/3	107/99	179/147/115	227/211/187
	11ax(80 MHz)	17		87/39/7	119/103	167/151/135	215/199/183
Emission Bandwidth & 99% Occupied Bandwidth	11ax(20 MHz)	4	OFDMA	93/45/1	113/105/97	181/149/117	233/229/209/189/185
	11ax(40 MHz)	8		91/43/3	107/99	179/147/115	227/211/187
	11ax(80 MHz)	17		87/39/7	119/103	167/151/135	215/199/183
Power Spectral Density	11ax(20 MHz)	4	OFDMA	93/45/1	113/105/97	181/149/117	233/229/209/189/185
	11ax(40 MHz)	8		91/43/3	107/99	179/147/115	227/211/187
	11ax(80 MHz)	17		87/39/7	119/103	167/151/135	215/199/183
Radiated Spurious Emissions	11ax(20 MHz)	4	OFDMA	93/45/1	113/105/97	181/149/117	233/229/209/189/185
	11ax(40 MHz)	8		91/43/3	107/99	179/147/115	227/211/187
	11ax(80 MHz)	17		87/39/7	119/103	167/151/135	215/199/183
Band Edge (Restricted-band)	11ax(20 MHz)	4	OFDMA	1	/	/	233
	11ax(40 MHz)	8		3	/	/	227
	11ax(80 MHz)	17		7	/	/	215
Contention Based Protocol	11ax(20 MHz)	4	OFDMA	93/45/1	113/105/97	181/149/117	233/229/209/189/185
	11ax(40 MHz)	8		91/43/3	107/99	179/147/115	227/211/187
	11ax(80 MHz)	17		87/39/7	119/103	167/151/135	215/199/183
In-Band Emissions	11ax(20 MHz)	4	OFDMA	93/45/1	113/105/97	181/149/117	233/229/209/189/185
	11ax(40 MHz)	8		91/43/3	107/99	179/147/115	227/211/187
	11ax(80 MHz)	17		87/39/7	119/103	167/151/135	215/199/183

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 D02v03	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure 6 GHz (U-NII) Devices Part 15, Subpart E
4 ☆	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
5	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	Power Spectral Density	15.407(a)	ANNEX A.3	Pass
5	Conducted Emission	15.207	ANNEX A.4	Pass
6	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.5	Pass
7	Contention Based Protocol	15.407(d)	ANNEX A.6	Pass
8	In-Band Emissions	15.407(b)	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	46% to 67%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.8°C to +25.1°C
Working Voltage of the EUT	NV (Normal Voltage)	3.85 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2025.06.16	2026.06.15
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
				2025.06.16	2026.06.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY52510065	2024.08.01	2025.07.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	171150	2025.04.28	2026.04.27
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	01631	2025.02.22	2028.02.21
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	144	2022.02.19	2025.09.03
Amplifier	COM-MV	LSCX_LNA1-12G-01	180602	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	180601	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2023.08.04	2026.08.03
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

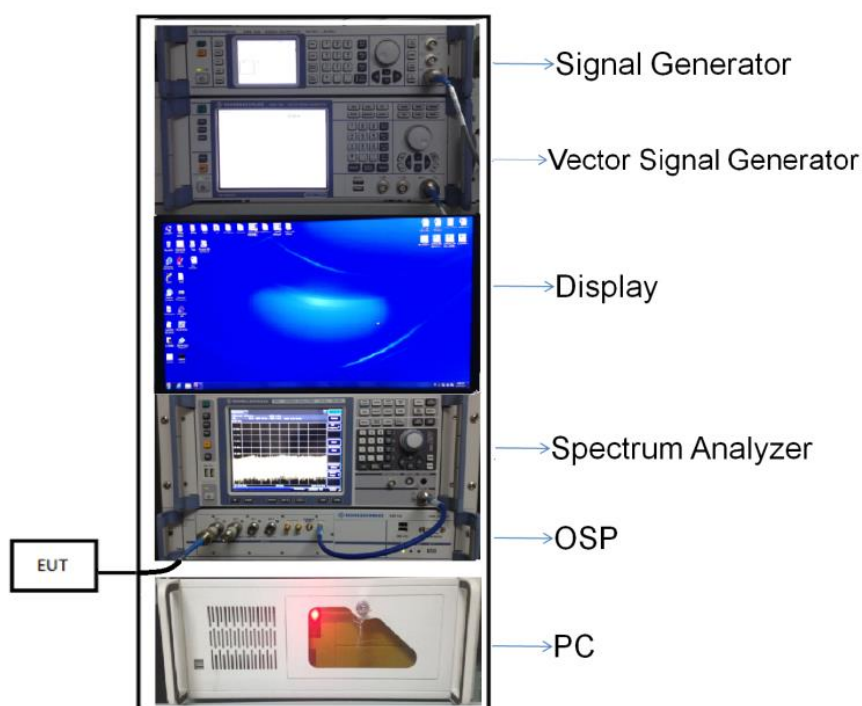
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

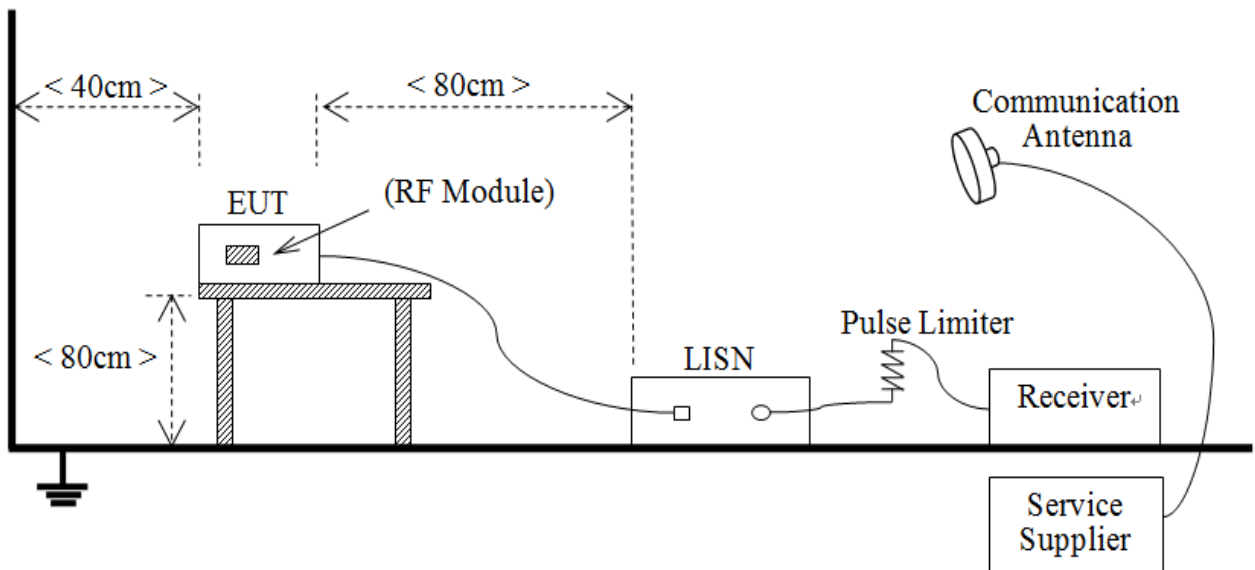
4.5 Description of Test Setup

4.5.1 For Antenna Port Test



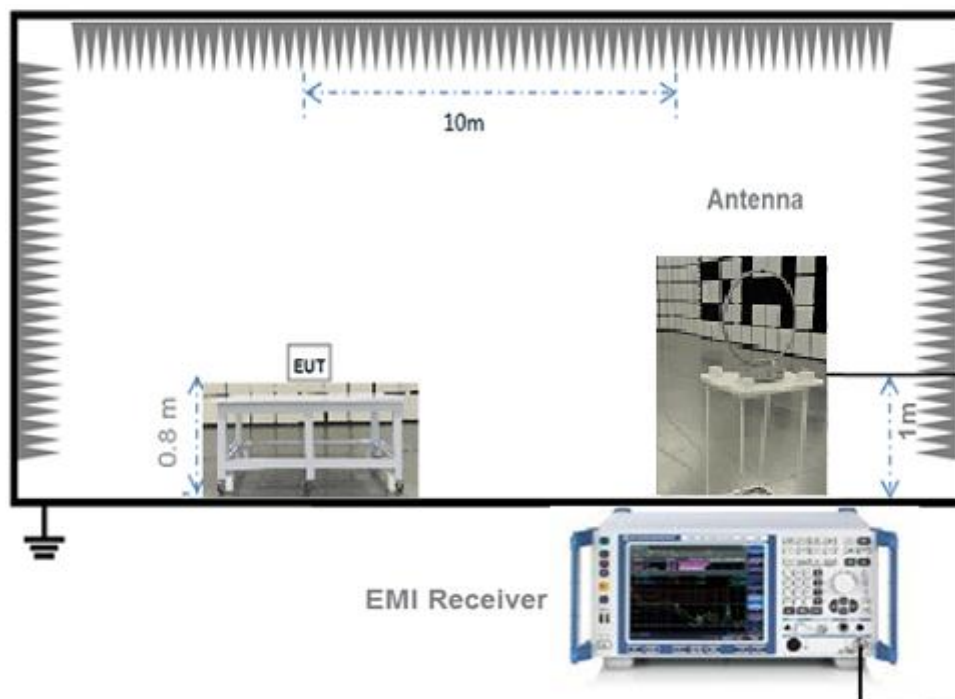
(Diagram 1)

4.5.2 For AC Power Supply Port Test



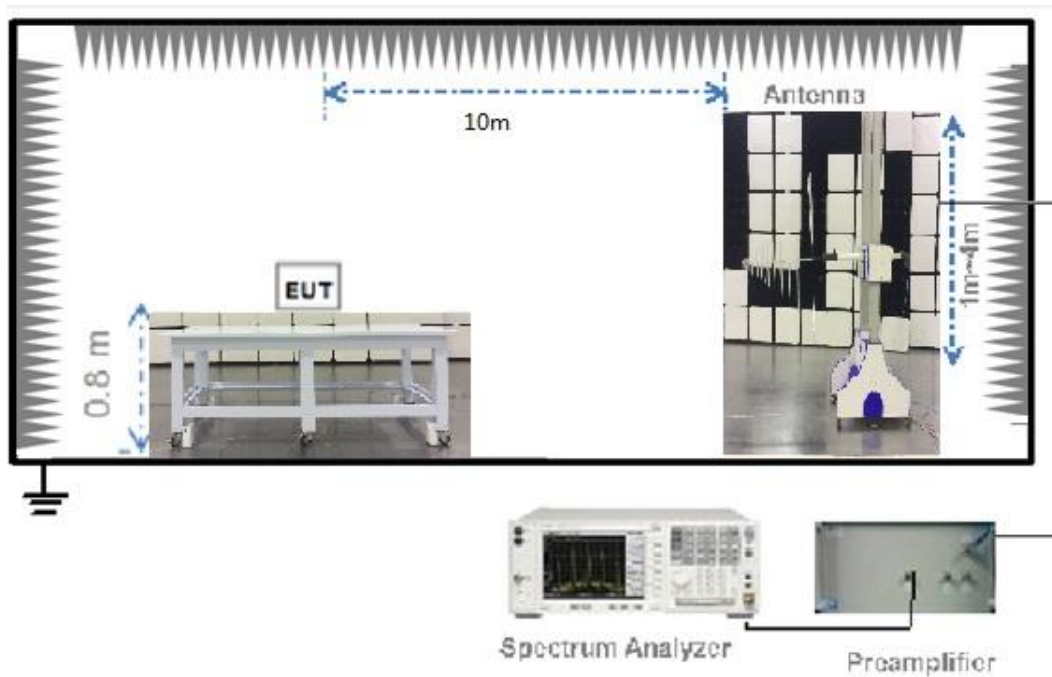
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



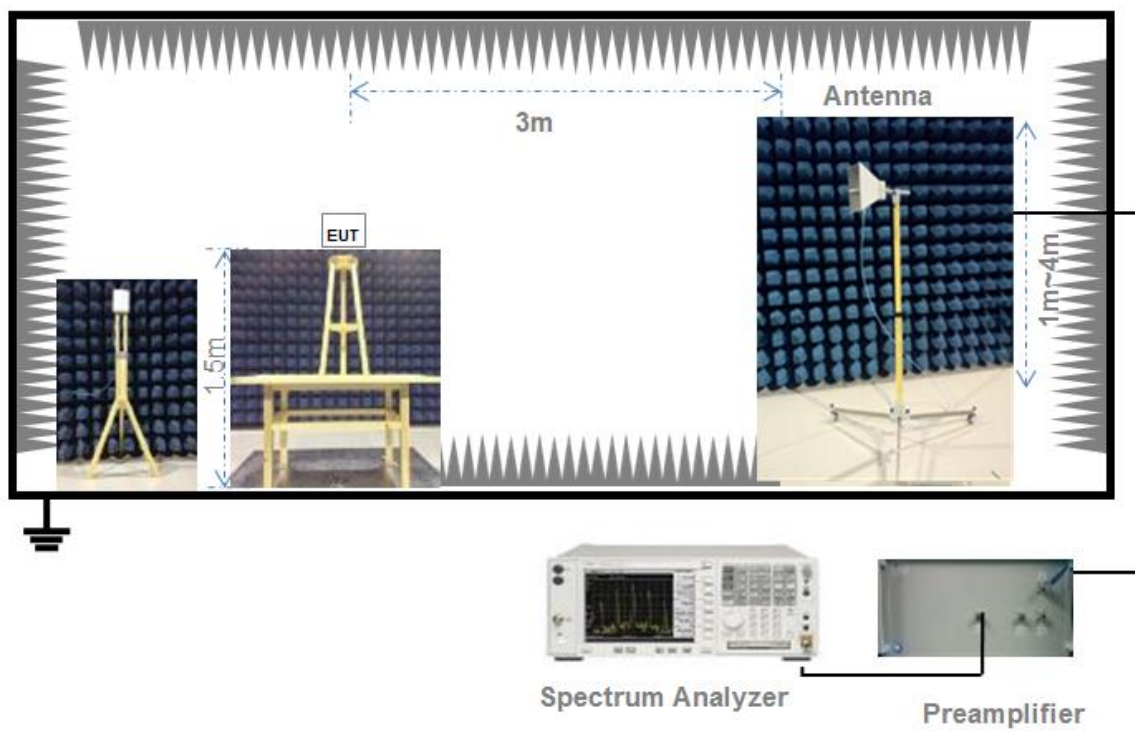
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 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)

(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

5.1.2 Test Setup

The section 4.5.1 (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 & 99% 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 4.5.1 (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)

(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band.

5.3.2 Test Setup

The section 4.5.1 (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, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. 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 4.5.2 (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.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (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

- a) 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).
- b) 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 4.5.1 (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 4.5.1 (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: All the configurations were pre tested, but only the worst data was shown in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11ax(HE20)	1.04	1.14	91.26%	1.04
11ax(HE40)	0.55	0.65	84.42%	0.55
11ax(HE80)	0.30	0.40	74.51%	0.30

Test Data

SISO-Antenna 2

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH1	9.76	24	Pass
11ax(HE20)(SU)	CH45	8.66	24	Pass
11ax(HE20)(SU)	CH93	9.25	24	Pass
11ax(HE40)(SU)	CH3	12.79	24	Pass
11ax(HE40)(SU)	CH43	11.94	24	Pass
11ax(HE40)(SU)	CH91	12.47	24	Pass
11ax(HE80)(SU)	CH7	15.39	24	Pass
11ax(HE80)(SU)	CH39	14.59	24	Pass
11ax(HE80)(SU)	CH87	14.86	24	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH97	9.98	24	Pass
11ax(HE20)(SU)	CH105	9.87	24	Pass
11ax(HE20)(SU)	CH113	9.62	24	Pass
11ax(HE40)(SU)	CH99	11.97	24	Pass
11ax(HE40)(SU)	CH107	11.73	24	Pass
11ax(HE80)(SU)	CH103	15.40	24	Pass
11ax(HE80)(SU)	CH119	15.26	24	Pass

U-NII-7 (6525 - 6875 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH117	9.43	24	Pass
11ax(HE20)(SU)	CH149	9.45	24	Pass
11ax(HE20)(SU)	CH181	9.39	24	Pass
11ax(HE40)(SU)	CH115	12.33	24	Pass
11ax(HE40)(SU)	CH147	12.49	24	Pass
11ax(HE40)(SU)	CH179	12.54	24	Pass
11ax(HE80)(SU)	CH135	15.94	24	Pass
11ax(HE80)(SU)	CH151	16.38	24	Pass
11ax(HE80)(SU)	CH167	16.39	24	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH185	9.57	24	Pass
11ax(HE20)(SU)	CH189	8.98	24	Pass
11ax(HE20)(SU)	CH209	9.00	24	Pass
11ax(HE20)(SU)	CH229	8.90	24	Pass
11ax(HE20)(SU)	CH233	8.77	24	Pass
11ax(HE40)(SU)	CH187	12.66	24	Pass
11ax(HE40)(SU)	CH211	12.82	24	Pass
11ax(HE40)(SU)	CH227	12.87	24	Pass
11ax(HE80)(SU)	CH183	16.34	24	Pass
11ax(HE80)(SU)	CH199	16.52	24	Pass
11ax(HE80)(SU)	CH215	15.81	24	Pass

SISO-Antenna 3

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH1	9.86	24	Pass
11ax(HE20)(SU)	CH45	8.80	24	Pass
11ax(HE20)(SU)	CH93	9.57	24	Pass
11ax(HE40)(SU)	CH3	11.98	24	Pass
11ax(HE40)(SU)	CH43	11.43	24	Pass
11ax(HE40)(SU)	CH91	11.80	24	Pass
11ax(HE80)(SU)	CH7	15.86	24	Pass
11ax(HE80)(SU)	CH39	15.07	24	Pass
11ax(HE80)(SU)	CH87	15.30	24	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH97	10.23	24	Pass
11ax(HE20)(SU)	CH105	10.18	24	Pass
11ax(HE20)(SU)	CH113	9.96	24	Pass
11ax(HE40)(SU)	CH99	12.49	24	Pass
11ax(HE40)(SU)	CH107	12.42	24	Pass
11ax(HE80)(SU)	CH103	15.91	24	Pass
11ax(HE80)(SU)	CH119	16.09	24	Pass

U-NII-7 (6525 - 6875 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH117	9.84	24	Pass
11ax(HE20)(SU)	CH149	10.24	24	Pass
11ax(HE20)(SU)	CH181	9.85	24	Pass
11ax(HE40)(SU)	CH115	11.93	24	Pass
11ax(HE40)(SU)	CH147	12.35	24	Pass
11ax(HE40)(SU)	CH179	12.12	24	Pass
11ax(HE80)(SU)	CH135	15.93	24	Pass
11ax(HE80)(SU)	CH151	16.07	24	Pass
11ax(HE80)(SU)	CH167	15.95	24	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH185	9.07	24	Pass
11ax(HE20)(SU)	CH189	9.19	24	Pass
11ax(HE20)(SU)	CH209	9.18	24	Pass
11ax(HE20)(SU)	CH229	8.66	24	Pass
11ax(HE20)(SU)	CH233	9.55	24	Pass
11ax(HE40)(SU)	CH187	12.41	24	Pass
11ax(HE40)(SU)	CH211	12.64	24	Pass
11ax(HE40)(SU)	CH227	12.84	24	Pass
11ax(HE80)(SU)	CH183	15.84	24	Pass
11ax(HE80)(SU)	CH199	15.72	24	Pass
11ax(HE80)(SU)	CH215	15.25	24	Pass

MIMO-Antenna 2

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH1	6.46	24	Pass
11ax(HE20)(SU)	CH45	5.41	24	Pass
11ax(HE20)(SU)	CH93	6.07	24	Pass
11ax(HE40)(SU)	CH3	9.65	24	Pass
11ax(HE40)(SU)	CH43	8.78	24	Pass
11ax(HE40)(SU)	CH91	9.25	24	Pass
11ax(HE80)(SU)	CH7	12.29	24	Pass
11ax(HE80)(SU)	CH39	11.37	24	Pass
11ax(HE80)(SU)	CH87	11.61	24	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH97	6.69	24	Pass
11ax(HE20)(SU)	CH105	6.75	24	Pass
11ax(HE20)(SU)	CH113	6.49	24	Pass
11ax(HE40)(SU)	CH99	8.71	24	Pass
11ax(HE40)(SU)	CH107	8.56	24	Pass
11ax(HE80)(SU)	CH103	12.25	24	Pass
11ax(HE80)(SU)	CH119	11.98	24	Pass

U-NII-7 (6525 - 6875 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH117	6.33	24	Pass
11ax(HE20)(SU)	CH149	6.18	24	Pass
11ax(HE20)(SU)	CH181	6.26	24	Pass
11ax(HE40)(SU)	CH115	9.16	24	Pass
11ax(HE40)(SU)	CH147	9.26	24	Pass
11ax(HE40)(SU)	CH179	9.42	24	Pass
11ax(HE80)(SU)	CH135	12.72	24	Pass
11ax(HE80)(SU)	CH151	13.26	24	Pass
11ax(HE80)(SU)	CH167	13.13	24	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH185	6.34	24	Pass
11ax(HE20)(SU)	CH189	5.72	24	Pass
11ax(HE20)(SU)	CH209	5.83	24	Pass
11ax(HE20)(SU)	CH229	5.78	24	Pass
11ax(HE20)(SU)	CH233	5.62	24	Pass
11ax(HE40)(SU)	CH187	9.39	24	Pass
11ax(HE40)(SU)	CH211	9.56	24	Pass
11ax(HE40)(SU)	CH227	9.60	24	Pass
11ax(HE80)(SU)	CH183	13.12	24	Pass
11ax(HE80)(SU)	CH199	13.29	24	Pass
11ax(HE80)(SU)	CH215	12.66	24	Pass

MIMO-Antenna 3

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH1	6.72	24	Pass
11ax(HE20)(SU)	CH45	5.60	24	Pass
11ax(HE20)(SU)	CH93	6.37	24	Pass
11ax(HE40)(SU)	CH3	8.78	24	Pass
11ax(HE40)(SU)	CH43	8.28	24	Pass
11ax(HE40)(SU)	CH91	8.50	24	Pass
11ax(HE80)(SU)	CH7	12.58	24	Pass
11ax(HE80)(SU)	CH39	11.84	24	Pass
11ax(HE80)(SU)	CH87	12.02	24	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH97	7.09	24	Pass
11ax(HE20)(SU)	CH105	6.97	24	Pass
11ax(HE20)(SU)	CH113	6.73	24	Pass
11ax(HE40)(SU)	CH99	9.26	24	Pass
11ax(HE40)(SU)	CH107	9.15	24	Pass
11ax(HE80)(SU)	CH103	12.80	24	Pass
11ax(HE80)(SU)	CH119	12.92	24	Pass

U-NII-7 (6525 - 6875 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH117	6.68	24	Pass
11ax(HE20)(SU)	CH149	7.03	24	Pass
11ax(HE20)(SU)	CH181	6.58	24	Pass
11ax(HE40)(SU)	CH115	8.64	24	Pass
11ax(HE40)(SU)	CH147	9.24	24	Pass
11ax(HE40)(SU)	CH179	9.01	24	Pass
11ax(HE80)(SU)	CH135	12.72	24	Pass
11ax(HE80)(SU)	CH151	12.86	24	Pass
11ax(HE80)(SU)	CH167	12.68	24	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH185	5.85	24	Pass
11ax(HE20)(SU)	CH189	5.92	24	Pass
11ax(HE20)(SU)	CH209	5.88	24	Pass
11ax(HE20)(SU)	CH229	5.52	24	Pass
11ax(HE20)(SU)	CH233	6.40	24	Pass
11ax(HE40)(SU)	CH187	9.25	24	Pass
11ax(HE40)(SU)	CH211	9.38	24	Pass
11ax(HE40)(SU)	CH227	9.62	24	Pass
11ax(HE80)(SU)	CH183	12.66	24	Pass
11ax(HE80)(SU)	CH199	12.48	24	Pass
11ax(HE80)(SU)	CH215	12.01	24	Pass

MIMO

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH1	9.60	24	Pass
11ax(HE20)(SU)	CH45	8.51	24	Pass
11ax(HE20)(SU)	CH93	9.23	24	Pass
11ax(HE40)(SU)	CH3	12.24	24	Pass
11ax(HE40)(SU)	CH43	11.54	24	Pass
11ax(HE40)(SU)	CH91	11.90	24	Pass
11ax(HE80)(SU)	CH7	15.45	24	Pass
11ax(HE80)(SU)	CH39	14.62	24	Pass
11ax(HE80)(SU)	CH87	14.83	24	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH97	9.90	24	Pass
11ax(HE20)(SU)	CH105	9.87	24	Pass
11ax(HE20)(SU)	CH113	9.62	24	Pass
11ax(HE40)(SU)	CH99	12.00	24	Pass
11ax(HE40)(SU)	CH107	11.87	24	Pass
11ax(HE80)(SU)	CH103	15.54	24	Pass
11ax(HE80)(SU)	CH119	15.48	24	Pass

U-NII-7 (6525 - 6875 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH117	9.52	24	Pass
11ax(HE20)(SU)	CH149	9.63	24	Pass
11ax(HE20)(SU)	CH181	9.43	24	Pass
11ax(HE40)(SU)	CH115	11.91	24	Pass
11ax(HE40)(SU)	CH147	12.26	24	Pass
11ax(HE40)(SU)	CH179	12.23	24	Pass
11ax(HE80)(SU)	CH135	15.73	24	Pass
11ax(HE80)(SU)	CH151	16.07	24	Pass
11ax(HE80)(SU)	CH167	15.92	24	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11ax(HE20)(SU)	CH185	9.11	24	Pass
11ax(HE20)(SU)	CH189	8.83	24	Pass
11ax(HE20)(SU)	CH209	8.87	24	Pass
11ax(HE20)(SU)	CH229	8.66	24	Pass
11ax(HE20)(SU)	CH233	9.04	24	Pass
11ax(HE40)(SU)	CH187	12.33	24	Pass
11ax(HE40)(SU)	CH211	12.48	24	Pass
11ax(HE40)(SU)	CH227	12.62	24	Pass
11ax(HE80)(SU)	CH183	15.90	24	Pass
11ax(HE80)(SU)	CH199	15.91	24	Pass
11ax(HE80)(SU)	CH215	15.36	24	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note¹: Test plots please refer to the document “Annex No.: BL-SZ2580053-607 Data Part 1.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data

SISO-Antenna 2

U-NII-5 (5925 - 6425 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax(HE20)(SU)	CH1	21.46	19.08
11ax(HE20)(SU)	CH45	21.68	19.07
11ax(HE20)(SU)	CH93	21.53	19.06
11ax(HE40)(SU)	CH3	39.79	37.39
11ax(HE40)(SU)	CH43	39.76	37.38
11ax(HE40)(SU)	CH91	39.74	37.40
11ax(HE80)(SU)	CH7	81.38	76.82
11ax(HE80)(SU)	CH39	81.60	77.01
11ax(HE80)(SU)	CH87	81.32	76.88

U-NII-6 (6425 - 6525 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax(HE20)(SU)	CH97	21.70	19.06
11ax(HE20)(SU)	CH105	21.60	19.05
11ax(HE20)(SU)	CH113	21.52	19.07
11ax(HE40)(SU)	CH99	39.74	37.43
11ax(HE40)(SU)	CH107	39.78	37.40
11ax(HE80)(SU)	CH103	114.50	77.37
11ax(HE80)(SU)	CH119	123.50	77.49

U-NII-7 (6525 - 6875 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax(HE20)(SU)	CH117	21.71	19.06
11ax(HE20)(SU)	CH149	21.78	19.08
11ax(HE20)(SU)	CH181	21.54	19.07
11ax(HE40)(SU)	CH115	39.85	37.46
11ax(HE40)(SU)	CH147	39.90	37.47
11ax(HE40)(SU)	CH179	39.90	37.51
11ax(HE80)(SU)	CH135	132.30	78.06
11ax(HE80)(SU)	CH151	120.70	77.55
11ax(HE80)(SU)	CH167	131.50	77.59

U-NII-8 (6875 - 7125 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax(HE20)(SU)	CH185	21.82	19.10
11ax(HE20)(SU)	CH189	21.81	19.11
11ax(HE20)(SU)	CH209	21.59	19.10
11ax(HE20)(SU)	CH229	21.48	19.07
11ax(HE20)(SU)	CH233	21.62	19.09
11ax(HE40)(SU)	CH187	40.31	37.53
11ax(HE40)(SU)	CH211	43.84	37.52
11ax(HE40)(SU)	CH227	47.69	37.55
11ax(HE80)(SU)	CH183	125.60	77.64
11ax(HE80)(SU)	CH199	118.90	77.42
11ax(HE80)(SU)	CH215	122.10	77.48

A.3 Power Spectral Density

Note¹: Test plots please refer to the document “Annex No.: BL-SZ2580053-607 Data Part 2.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: The PSD has considered the Duty Factor.

Test Data

SISO-Antenna 2

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH1	-1.53	-1.00	Pass
11ax(HE20)(SU)	CH45	-2.75	-1.00	Pass
11ax(HE20)(SU)	CH93	-2.26	-1.00	Pass
11ax(HE40)(SU)	CH3	-1.05	-1.00	Pass
11ax(HE40)(SU)	CH43	-2.19	-1.00	Pass
11ax(HE40)(SU)	CH91	-1.72	-1.00	Pass
11ax(HE80)(SU)	CH7	-1.96	-1.00	Pass
11ax(HE80)(SU)	CH39	-2.72	-1.00	Pass
11ax(HE80)(SU)	CH87	-2.69	-1.00	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH97	-1.55	-1.00	Pass
11ax(HE20)(SU)	CH105	-1.51	-1.00	Pass
11ax(HE20)(SU)	CH113	-1.59	-1.00	Pass
11ax(HE40)(SU)	CH99	-2.07	-1.00	Pass
11ax(HE40)(SU)	CH107	-2.13	-1.00	Pass
11ax(HE80)(SU)	CH103	-2.11	-1.00	Pass
11ax(HE80)(SU)	CH119	-2.28	-1.00	Pass

U-NII-7 (6525 - 6825 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH117	-1.83	-1.00	Pass
11ax(HE20)(SU)	CH149	-1.96	-1.00	Pass
11ax(HE20)(SU)	CH181	-2.31	-1.00	Pass
11ax(HE40)(SU)	CH115	-1.66	-1.00	Pass
11ax(HE40)(SU)	CH147	-1.77	-1.00	Pass
11ax(HE40)(SU)	CH179	-1.87	-1.00	Pass
11ax(HE80)(SU)	CH135	-1.89	-1.00	Pass
11ax(HE80)(SU)	CH151	-1.17	-1.00	Pass
11ax(HE80)(SU)	CH167	-1.18	-1.00	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH185	-1.21	-1.00	Pass
11ax(HE20)(SU)	CH189	-1.78	-1.00	Pass
11ax(HE20)(SU)	CH209	-1.65	-1.00	Pass
11ax(HE20)(SU)	CH229	-1.69	-1.00	Pass
11ax(HE20)(SU)	CH233	-1.83	-1.00	Pass
11ax(HE40)(SU)	CH187	-1.65	-1.00	Pass
11ax(HE40)(SU)	CH211	-1.01	-1.00	Pass
11ax(HE40)(SU)	CH227	-1.04	-1.00	Pass
11ax(HE80)(SU)	CH183	-1.44	-1.00	Pass
11ax(HE80)(SU)	CH199	-1.28	-1.00	Pass
11ax(HE80)(SU)	CH215	-1.51	-1.00	Pass

SISO-Antenna 3

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH1	-1.55	-1.00	Pass
11ax(HE20)(SU)	CH45	-2.95	-1.00	Pass
11ax(HE20)(SU)	CH93	-1.94	-1.00	Pass
11ax(HE40)(SU)	CH3	-1.76	-1.00	Pass
11ax(HE40)(SU)	CH43	-2.65	-1.00	Pass
11ax(HE40)(SU)	CH91	-2.51	-1.00	Pass
11ax(HE80)(SU)	CH7	-1.63	-1.00	Pass
11ax(HE80)(SU)	CH39	-2.21	-1.00	Pass
11ax(HE80)(SU)	CH87	-2.29	-1.00	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH97	-1.31	-1.00	Pass
11ax(HE20)(SU)	CH105	-1.29	-1.00	Pass
11ax(HE20)(SU)	CH113	-1.37	-1.00	Pass
11ax(HE40)(SU)	CH99	-1.62	-1.00	Pass
11ax(HE40)(SU)	CH107	-1.47	-1.00	Pass
11ax(HE80)(SU)	CH103	-1.41	-1.00	Pass
11ax(HE80)(SU)	CH119	-1.71	-1.00	Pass

U-NII-7 (6525 - 6825 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH117	-1.57	-1.00	Pass
11ax(HE20)(SU)	CH149	-1.36	-1.00	Pass
11ax(HE20)(SU)	CH181	-1.93	-1.00	Pass
11ax(HE40)(SU)	CH115	-2.06	-1.00	Pass
11ax(HE40)(SU)	CH147	-1.93	-1.00	Pass
11ax(HE40)(SU)	CH179	-2.01	-1.00	Pass
11ax(HE80)(SU)	CH135	-1.66	-1.00	Pass
11ax(HE80)(SU)	CH151	-1.53	-1.00	Pass
11ax(HE80)(SU)	CH167	-1.80	-1.00	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH185	-1.66	-1.00	Pass
11ax(HE20)(SU)	CH189	-1.56	-1.00	Pass
11ax(HE20)(SU)	CH209	-1.62	-1.00	Pass
11ax(HE20)(SU)	CH229	-1.94	-1.00	Pass
11ax(HE20)(SU)	CH233	-1.07	-1.00	Pass
11ax(HE40)(SU)	CH187	-1.80	-1.00	Pass
11ax(HE40)(SU)	CH211	-1.51	-1.00	Pass
11ax(HE40)(SU)	CH227	-1.26	-1.00	Pass
11ax(HE80)(SU)	CH183	-1.72	-1.00	Pass
11ax(HE80)(SU)	CH199	-2.23	-1.00	Pass
11ax(HE80)(SU)	CH215	-2.42	-1.00	Pass

MIMO-Antenna 2

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH1	-4.74	-1.00	Pass
11ax(HE20)(SU)	CH45	-5.94	-1.00	Pass
11ax(HE20)(SU)	CH93	-5.39	-1.00	Pass
11ax(HE40)(SU)	CH3	-4.33	-1.00	Pass
11ax(HE40)(SU)	CH43	-5.29	-1.00	Pass
11ax(HE40)(SU)	CH91	-4.91	-1.00	Pass
11ax(HE80)(SU)	CH7	-5.25	-1.00	Pass
11ax(HE80)(SU)	CH39	-5.85	-1.00	Pass
11ax(HE80)(SU)	CH87	-5.93	-1.00	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH97	-4.68	-1.00	Pass
11ax(HE20)(SU)	CH105	-4.64	-1.00	Pass
11ax(HE20)(SU)	CH113	-4.88	-1.00	Pass
11ax(HE40)(SU)	CH99	-5.27	-1.00	Pass
11ax(HE40)(SU)	CH107	-5.26	-1.00	Pass
11ax(HE80)(SU)	CH103	-5.35	-1.00	Pass
11ax(HE80)(SU)	CH119	-5.41	-1.00	Pass

U-NII-7 (6525 - 6825 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH117	-5.06	-1.00	Pass
11ax(HE20)(SU)	CH149	-5.10	-1.00	Pass
11ax(HE20)(SU)	CH181	-5.60	-1.00	Pass
11ax(HE40)(SU)	CH115	-4.94	-1.00	Pass
11ax(HE40)(SU)	CH147	-5.06	-1.00	Pass
11ax(HE40)(SU)	CH179	-5.15	-1.00	Pass
11ax(HE80)(SU)	CH135	-5.07	-1.00	Pass
11ax(HE80)(SU)	CH151	-4.40	-1.00	Pass
11ax(HE80)(SU)	CH167	-4.44	-1.00	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH185	-4.47	-1.00	Pass
11ax(HE20)(SU)	CH189	-4.99	-1.00	Pass
11ax(HE20)(SU)	CH209	-4.89	-1.00	Pass
11ax(HE20)(SU)	CH229	-4.98	-1.00	Pass
11ax(HE20)(SU)	CH233	-4.98	-1.00	Pass
11ax(HE40)(SU)	CH187	-4.83	-1.00	Pass
11ax(HE40)(SU)	CH211	-4.31	-1.00	Pass
11ax(HE40)(SU)	CH227	-4.19	-1.00	Pass
11ax(HE80)(SU)	CH183	-4.64	-1.00	Pass
11ax(HE80)(SU)	CH199	-4.54	-1.00	Pass
11ax(HE80)(SU)	CH215	-4.78	-1.00	Pass

MIMO-Antenna 3

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH1	-4.75	-1.00	Pass
11ax(HE20)(SU)	CH45	-6.20	-1.00	Pass
11ax(HE20)(SU)	CH93	-5.09	-1.00	Pass
11ax(HE40)(SU)	CH3	-4.86	-1.00	Pass
11ax(HE40)(SU)	CH43	-5.77	-1.00	Pass
11ax(HE40)(SU)	CH91	-5.72	-1.00	Pass
11ax(HE80)(SU)	CH7	-4.88	-1.00	Pass
11ax(HE80)(SU)	CH39	-5.48	-1.00	Pass
11ax(HE80)(SU)	CH87	-5.49	-1.00	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH97	-4.51	-1.00	Pass
11ax(HE20)(SU)	CH105	-4.58	-1.00	Pass
11ax(HE20)(SU)	CH113	-4.64	-1.00	Pass
11ax(HE40)(SU)	CH99	-4.82	-1.00	Pass
11ax(HE40)(SU)	CH107	-4.61	-1.00	Pass
11ax(HE80)(SU)	CH103	-4.59	-1.00	Pass
11ax(HE80)(SU)	CH119	-4.95	-1.00	Pass

U-NII-7 (6525 - 6825 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH117	-4.68	-1.00	Pass
11ax(HE20)(SU)	CH149	-4.64	-1.00	Pass
11ax(HE20)(SU)	CH181	-5.12	-1.00	Pass
11ax(HE40)(SU)	CH115	-5.36	-1.00	Pass
11ax(HE40)(SU)	CH147	-5.03	-1.00	Pass
11ax(HE40)(SU)	CH179	-5.26	-1.00	Pass
11ax(HE80)(SU)	CH135	-4.83	-1.00	Pass
11ax(HE80)(SU)	CH151	-4.70	-1.00	Pass
11ax(HE80)(SU)	CH167	-4.96	-1.00	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH185	-4.77	-1.00	Pass
11ax(HE20)(SU)	CH189	-4.72	-1.00	Pass
11ax(HE20)(SU)	CH209	-4.75	-1.00	Pass
11ax(HE20)(SU)	CH229	-5.13	-1.00	Pass
11ax(HE20)(SU)	CH233	-4.34	-1.00	Pass
11ax(HE40)(SU)	CH187	-4.97	-1.00	Pass
11ax(HE40)(SU)	CH211	-4.75	-1.00	Pass
11ax(HE40)(SU)	CH227	-4.50	-1.00	Pass
11ax(HE80)(SU)	CH183	-4.94	-1.00	Pass
11ax(HE80)(SU)	CH199	-5.44	-1.00	Pass
11ax(HE80)(SU)	CH215	-5.70	-1.00	Pass

SISO-Antenna 2

U-NII-5 (5925 - 6425 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH1	-1.73	-1.00	Pass
11ax(HE20)(SU)	CH45	-3.06	-1.00	Pass
11ax(HE20)(SU)	CH93	-2.23	-1.00	Pass
11ax(HE40)(SU)	CH3	-1.58	-1.00	Pass
11ax(HE40)(SU)	CH43	-2.51	-1.00	Pass
11ax(HE40)(SU)	CH91	-2.29	-1.00	Pass
11ax(HE80)(SU)	CH7	-2.05	-1.00	Pass
11ax(HE80)(SU)	CH39	-2.65	-1.00	Pass
11ax(HE80)(SU)	CH87	-2.69	-1.00	Pass

U-NII-6 (6425 - 6525 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH97	-1.58	-1.00	Pass
11ax(HE20)(SU)	CH105	-1.60	-1.00	Pass
11ax(HE20)(SU)	CH113	-1.75	-1.00	Pass
11ax(HE40)(SU)	CH99	-2.03	-1.00	Pass
11ax(HE40)(SU)	CH107	-1.91	-1.00	Pass
11ax(HE80)(SU)	CH103	-1.94	-1.00	Pass
11ax(HE80)(SU)	CH119	-2.16	-1.00	Pass

U-NII-7 (6525 - 6825 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH117	-1.86	-1.00	Pass
11ax(HE20)(SU)	CH149	-1.85	-1.00	Pass
11ax(HE20)(SU)	CH181	-2.34	-1.00	Pass
11ax(HE40)(SU)	CH115	-2.13	-1.00	Pass
11ax(HE40)(SU)	CH147	-2.03	-1.00	Pass
11ax(HE40)(SU)	CH179	-2.19	-1.00	Pass
11ax(HE80)(SU)	CH135	-1.94	-1.00	Pass
11ax(HE80)(SU)	CH151	-1.54	-1.00	Pass
11ax(HE80)(SU)	CH167	-1.68	-1.00	Pass

U-NII-8 (6875 - 7125 MHz)				
Mode	Channel	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11ax(HE20)(SU)	CH185	-1.61	-1.00	Pass
11ax(HE20)(SU)	CH189	-1.84	-1.00	Pass
11ax(HE20)(SU)	CH209	-1.81	-1.00	Pass
11ax(HE20)(SU)	CH229	-2.04	-1.00	Pass
11ax(HE20)(SU)	CH233	-1.64	-1.00	Pass
11ax(HE40)(SU)	CH187	-1.89	-1.00	Pass
11ax(HE40)(SU)	CH211	-1.51	-1.00	Pass
11ax(HE40)(SU)	CH227	-1.33	-1.00	Pass
11ax(HE80)(SU)	CH183	-1.78	-1.00	Pass
11ax(HE80)(SU)	CH199	-1.96	-1.00	Pass
11ax(HE80)(SU)	CH215	-2.21	-1.00	Pass

A.4 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

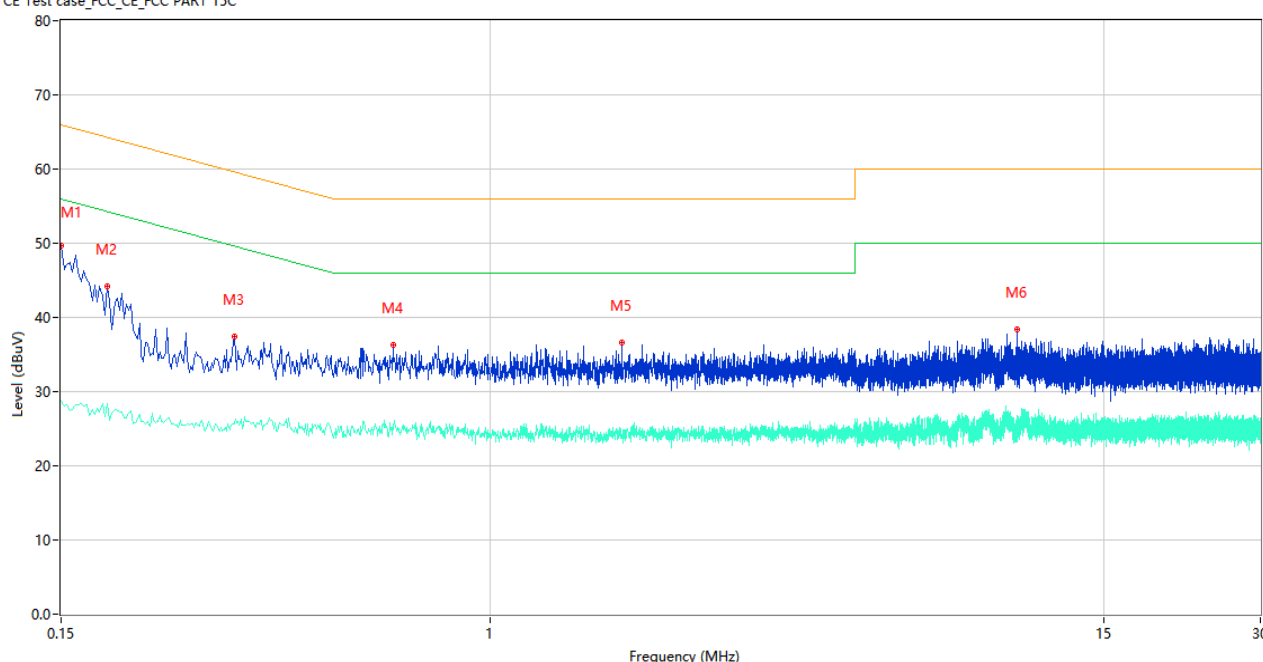
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

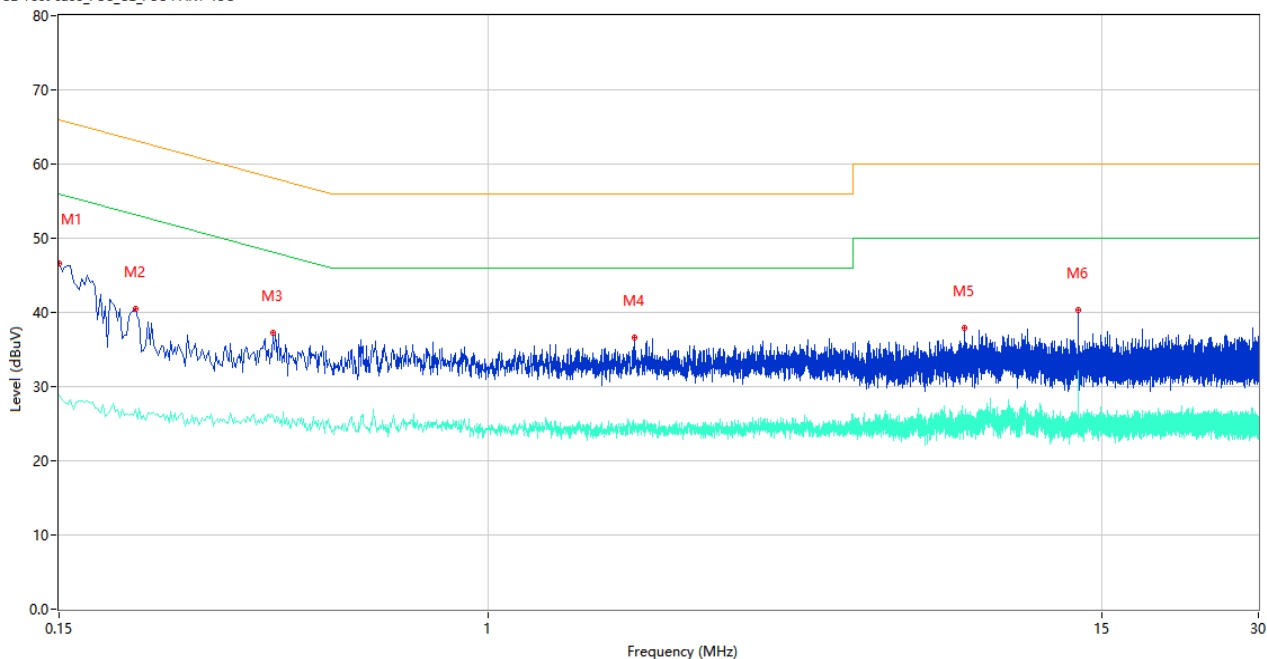
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	49.70	9.86	66.00	16.30	Peak	L	Pass
1**	0.150	28.70	9.86	56.00	27.30	AV	L	Pass
2	0.184	44.12	9.84	64.30	20.18	Peak	L	Pass
2**	0.184	28.40	9.84	54.30	25.90	AV	L	Pass
3	0.322	37.36	10.26	59.66	22.30	Peak	L	Pass
3**	0.322	25.57	10.26	49.66	24.09	AV	L	Pass
4	0.650	36.35	10.27	56.00	19.65	Peak	L	Pass
4**	0.650	25.12	10.27	46.00	20.88	AV	L	Pass
5	1.786	36.55	10.24	56.00	19.45	Peak	L	Pass
5**	1.786	24.26	10.24	46.00	21.74	AV	L	Pass
6	10.218	38.38	10.60	60.00	21.62	Peak	L	Pass
6**	10.218	26.71	10.60	50.00	23.29	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	46.60	9.86	66.00	19.40	Peak	N	Pass
1**	0.150	28.91	9.86	56.00	27.09	AV	N	Pass
2	0.210	40.42	9.84	63.21	22.79	Peak	N	Pass
2**	0.210	26.91	9.84	53.21	26.30	AV	N	Pass
3	0.386	37.21	10.67	58.15	20.94	Peak	N	Pass
3**	0.386	26.12	10.67	48.15	22.03	AV	N	Pass
4	1.906	36.62	10.71	56.00	19.38	Peak	N	Pass
4**	1.906	24.87	10.71	46.00	21.13	AV	N	Pass
5	8.190	37.85	10.34	60.00	22.15	Peak	N	Pass
5**	8.190	26.15	10.34	50.00	23.85	AV	N	Pass
6	13.552	40.32	10.35	60.00	19.68	Peak	N	Pass
6**	13.552	32.13	10.35	50.00	17.87	AV	N	Pass

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

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.

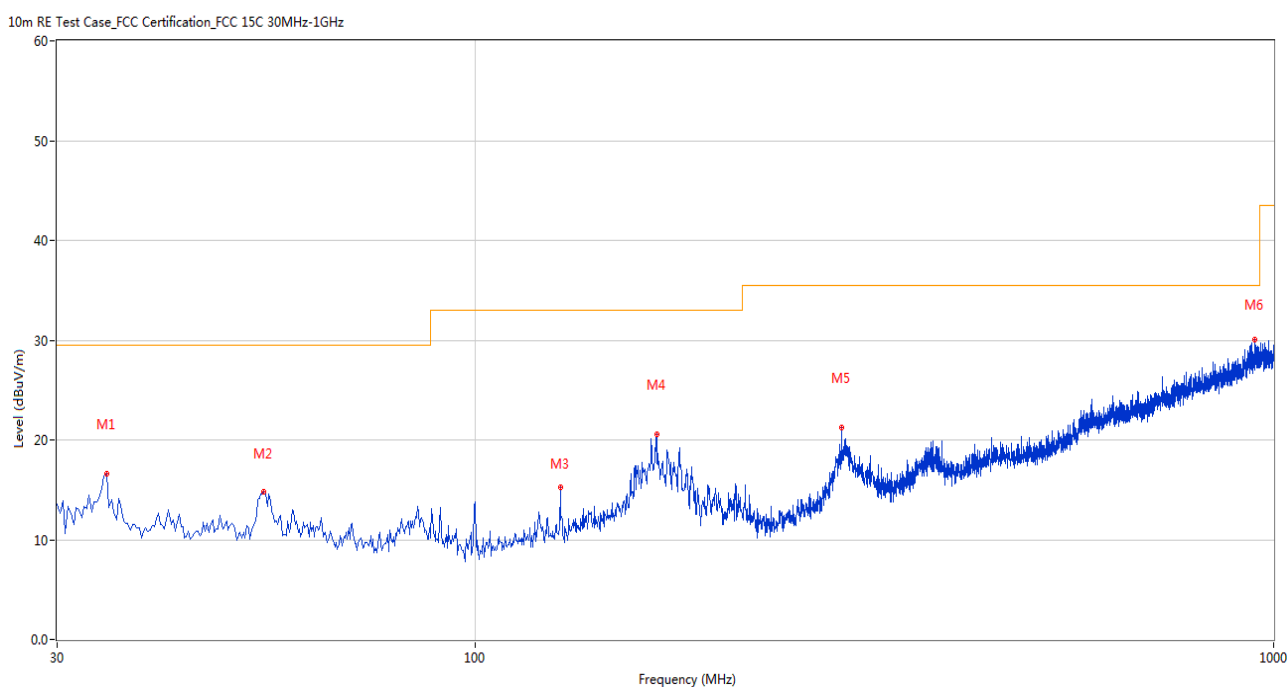
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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.

Note ⁵: For Multiple transmitter output, the quantity $10 \log (NANT)$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding $10 \log (NANT)$ if the measurements are made relative to the in-band emissions on the individual outputs.

Test Data and Plots

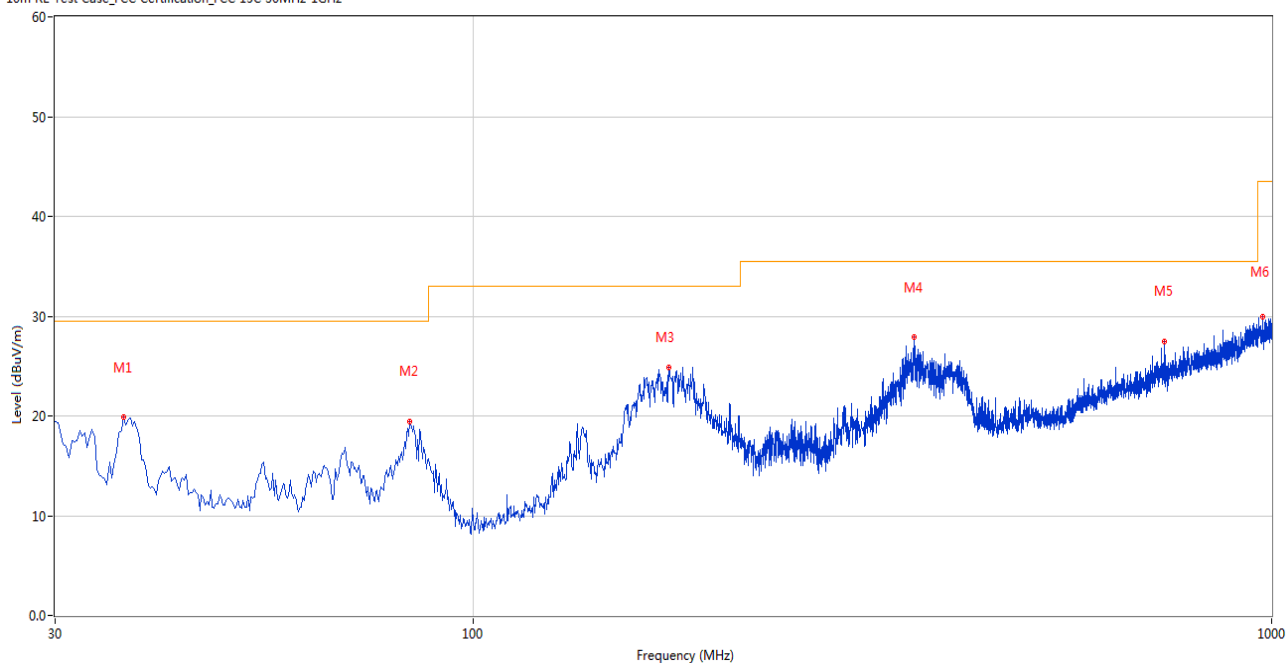
30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.606	16.60	-26.95	29.5	12.90	Peak	360.00	200	Horizontal	Pass
2	54.486	14.82	-27.12	29.5	14.68	Peak	226.00	300	Horizontal	Pass
3	127.946	15.20	-27.47	33.0	17.80	Peak	226.00	100	Horizontal	Pass
4	168.918	20.58	-26.80	33.0	12.42	Peak	291.00	400	Horizontal	Pass
5	287.956	21.21	-25.91	35.5	14.29	Peak	128.00	300	Horizontal	Pass
6	946.178	30.06	-9.55	35.5	5.44	Peak	1.00	400	Horizontal	Pass

30 MHz to 1 GHz, ANT V

10m RE Test Case_FCC Certification_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.546	19.86	-27.12	29.5	9.64	Peak	329.00	100	Vertical	Pass
2	83.337	19.48	-30.20	29.5	10.02	Peak	134.00	100	Vertical	Pass
3	175.706	24.85	-27.43	33.0	8.15	Peak	253.00	100	Vertical	Pass
4	356.808	27.89	-24.01	35.5	7.61	Peak	259.00	100	Vertical	Pass
5	735.014	27.49	-13.84	35.5	8.01	Peak	118.00	400	Vertical	Pass
6	975.029	29.92	-9.60	43.5	13.58	Peak	232.00	400	Vertical	Pass

Note ¹: The spurious above 18G is noise only, do not show on the report.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ³: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data

SISO-Antenna 2

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.065	40.19	88.2	48.01	Peak	94.00	400	Horizontal	Pass
1**	2095.065	29.91	68.2	38.29	AV	94.00	400	Horizontal	Pass
2	4810.310	46.87	74.0	27.13	Peak	344.00	200	Horizontal	Pass
2**	4810.310	40.64	54.0	13.36	AV	344.00	200	Horizontal	Pass
3	4899.404	49.42	74.0	24.58	Peak	211.00	200	Horizontal	Pass
3**	4899.404	41.88	54.0	12.12	AV	211.00	200	Horizontal	Pass
4	7955.921	52.59	88.2	35.61	Peak	127.00	400	Horizontal	Pass
4**	7955.921	44.58	68.2	23.62	AV	127.00	400	Horizontal	Pass
5	14445.669	58.19	88.2	30.01	Peak	274.00	100	Horizontal	Pass
5**	14445.669	46.01	68.2	22.19	AV	274.00	100	Horizontal	Pass
6	17434.145	57.26	88.2	30.94	Peak	235.00	400	Horizontal	Pass
6**	17434.145	47.40	68.2	20.80	AV	235.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.135	37.79	74.0	36.21	Peak	43.00	200	Vertical	Pass
1**	1532.135	29.24	54.0	24.76	AV	43.00	200	Vertical	Pass
2	2335.641	42.92	74.0	31.08	Peak	106.00	300	Vertical	Pass
2**	2335.641	33.59	54.0	20.41	AV	106.00	300	Vertical	Pass
3	4899.562	51.41	74.0	22.59	Peak	51.00	200	Vertical	Pass
3**	4899.562	37.34	54.0	16.66	AV	51.00	200	Vertical	Pass
4	7329.032	54.09	74.0	19.91	Peak	227.00	300	Vertical	Pass
4**	7329.032	44.14	54.0	9.86	AV	227.00	300	Vertical	Pass
5	12485.000	53.02	74.0	20.98	Peak	30.00	400	Vertical	Pass
5**	12485.000	46.90	54.0	7.10	AV	30.00	400	Vertical	Pass
6	15687.837	51.34	74.0	22.66	Peak	90.00	200	Vertical	Pass
6**	15687.837	41.54	54.0	12.46	AV	90.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2099.642	41.90	88.2	46.30	Peak	180.00	300	Horizontal	Pass
1**	2099.642	35.72	68.2	32.48	AV	180.00	300	Horizontal	Pass
2	4811.995	49.95	74.0	24.05	Peak	330.00	400	Horizontal	Pass
2**	4811.995	41.27	54.0	12.73	AV	330.00	400	Horizontal	Pass
3	4897.079	49.51	74.0	24.49	Peak	173.00	200	Horizontal	Pass
3**	4897.079	37.86	54.0	16.14	AV	173.00	200	Horizontal	Pass
4	7955.642	53.49	88.2	34.71	Peak	40.00	100	Horizontal	Pass
4**	7955.642	47.20	68.2	21.00	AV	40.00	100	Horizontal	Pass
5	14442.382	55.82	88.2	32.38	Peak	331.00	200	Horizontal	Pass
5**	14442.382	45.93	68.2	22.27	AV	331.00	200	Horizontal	Pass
6	17436.097	56.92	88.2	31.28	Peak	162.00	200	Horizontal	Pass
6**	17436.097	44.96	68.2	23.24	AV	162.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.043	41.62	74.0	32.38	Peak	134.00	300	Vertical	Pass
1**	1527.043	28.82	54.0	25.18	AV	134.00	300	Vertical	Pass
2	2339.416	43.80	74.0	30.20	Peak	59.00	200	Vertical	Pass
2**	2339.416	35.46	54.0	18.54	AV	59.00	200	Vertical	Pass
3	4897.586	51.07	74.0	22.93	Peak	290.00	200	Vertical	Pass
3**	4897.586	37.83	54.0	16.17	AV	290.00	200	Vertical	Pass
4	7324.589	54.63	74.0	19.37	Peak	168.00	200	Vertical	Pass
4**	7324.589	44.99	54.0	9.01	AV	168.00	200	Vertical	Pass
5	12486.697	54.58	74.0	19.42	Peak	92.00	100	Vertical	Pass
5**	12486.697	43.98	54.0	10.02	AV	92.00	100	Vertical	Pass
6	15693.860	51.24	74.0	22.76	Peak	28.00	100	Vertical	Pass
6**	15693.860	42.89	54.0	11.11	AV	28.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2093.958	41.77	88.2	46.43	Peak	126.00	400	Horizontal	Pass
1**	2093.958	35.47	68.2	32.73	AV	126.00	400	Horizontal	Pass
2	4810.195	47.63	74.0	26.37	Peak	191.00	300	Horizontal	Pass
2**	4810.195	42.32	54.0	11.68	AV	191.00	300	Horizontal	Pass
3	4904.031	50.31	74.0	23.69	Peak	32.00	200	Horizontal	Pass
3**	4904.031	41.16	54.0	12.84	AV	32.00	200	Horizontal	Pass
4	7949.355	55.06	88.2	33.14	Peak	297.00	400	Horizontal	Pass
4**	7949.355	42.54	68.2	25.66	AV	297.00	400	Horizontal	Pass
5	14443.921	53.36	88.2	34.84	Peak	138.00	400	Horizontal	Pass
5**	14443.921	43.95	68.2	24.25	AV	138.00	400	Horizontal	Pass
6	17432.259	52.28	88.2	35.92	Peak	19.00	100	Horizontal	Pass
6**	17432.259	46.00	68.2	22.20	AV	19.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.432	36.49	74.0	37.51	Peak	330.00	200	Vertical	Pass
1**	1532.432	28.54	54.0	25.46	AV	330.00	200	Vertical	Pass
2	2337.653	42.29	74.0	31.71	Peak	85.00	400	Vertical	Pass
2**	2337.653	34.00	54.0	20.00	AV	85.00	400	Vertical	Pass
3	4897.835	47.71	74.0	26.29	Peak	31.00	200	Vertical	Pass
3**	4897.835	37.63	54.0	16.37	AV	31.00	200	Vertical	Pass
4	7331.172	53.72	74.0	20.28	Peak	358.00	300	Vertical	Pass
4**	7331.172	41.66	54.0	12.34	AV	358.00	300	Vertical	Pass
5	12483.235	50.33	74.0	23.67	Peak	309.00	100	Vertical	Pass
5**	12483.235	41.20	54.0	12.80	AV	309.00	100	Vertical	Pass
6	15689.469	56.36	74.0	17.64	Peak	122.00	200	Vertical	Pass
6**	15689.469	42.88	54.0	11.12	AV	122.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2093.889	40.11	88.2	48.09	Peak	281.00	400	Horizontal	Pass
1**	2093.889	30.84	68.2	37.36	AV	281.00	400	Horizontal	Pass
2	4812.468	47.14	74.0	26.86	Peak	141.00	400	Horizontal	Pass
2**	4812.468	42.59	54.0	11.41	AV	141.00	400	Horizontal	Pass
3	4899.672	52.06	74.0	21.94	Peak	145.00	200	Horizontal	Pass
3**	4899.672	40.56	54.0	13.44	AV	145.00	200	Horizontal	Pass
4	7953.985	55.25	88.2	32.95	Peak	15.00	100	Horizontal	Pass
4**	7953.985	42.00	68.2	26.20	AV	15.00	100	Horizontal	Pass
5	14438.925	55.85	88.2	32.35	Peak	133.00	400	Horizontal	Pass
5**	14438.925	44.21	68.2	23.99	AV	133.00	400	Horizontal	Pass
6	17435.650	53.67	88.2	34.53	Peak	272.00	300	Horizontal	Pass
6**	17435.650	47.13	68.2	21.07	AV	272.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.244	37.27	74.0	36.73	Peak	207.00	400	Vertical	Pass
1**	1527.244	29.00	54.0	25.00	AV	207.00	400	Vertical	Pass
2	2338.967	46.91	74.0	27.09	Peak	85.00	400	Vertical	Pass
2**	2338.967	37.74	54.0	16.26	AV	85.00	400	Vertical	Pass
3	4902.776	51.26	74.0	22.74	Peak	251.00	200	Vertical	Pass
3**	4902.776	42.25	54.0	11.75	AV	251.00	200	Vertical	Pass
4	7330.705	54.36	74.0	19.64	Peak	267.00	400	Vertical	Pass
4**	7330.705	46.54	54.0	7.46	AV	267.00	400	Vertical	Pass
5	12485.148	52.38	74.0	21.62	Peak	297.00	200	Vertical	Pass
5**	12485.148	46.30	54.0	7.70	AV	297.00	200	Vertical	Pass
6	15688.913	54.88	74.0	19.12	Peak	262.00	300	Vertical	Pass
6**	15688.913	45.96	54.0	8.04	AV	262.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.909	43.06	88.2	45.14	Peak	315.00	300	Horizontal	Pass
1**	2100.909	30.74	68.2	37.46	AV	315.00	300	Horizontal	Pass
2	4808.593	49.40	74.0	24.60	Peak	233.00	300	Horizontal	Pass
2**	4808.593	42.88	54.0	11.12	AV	233.00	300	Horizontal	Pass
3	4898.647	50.69	74.0	23.31	Peak	150.00	200	Horizontal	Pass
3**	4898.647	37.64	54.0	16.36	AV	150.00	200	Horizontal	Pass
4	7954.031	55.35	88.2	32.85	Peak	155.00	200	Horizontal	Pass
4**	7954.031	42.18	68.2	26.02	AV	155.00	200	Horizontal	Pass
5	14445.520	57.35	88.2	30.85	Peak	165.00	300	Horizontal	Pass
5**	14445.520	46.16	68.2	22.04	AV	165.00	300	Horizontal	Pass
6	17433.193	55.82	88.2	32.38	Peak	91.00	200	Horizontal	Pass
6**	17433.193	44.65	68.2	23.55	AV	91.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.260	37.30	74.0	36.70	Peak	348.00	300	Vertical	Pass
1**	1529.260	26.73	54.0	27.27	AV	348.00	300	Vertical	Pass
2	2334.056	43.88	74.0	30.12	Peak	332.00	200	Vertical	Pass
2**	2334.056	34.30	54.0	19.70	AV	332.00	200	Vertical	Pass
3	4896.897	48.13	74.0	25.87	Peak	290.00	200	Vertical	Pass
3**	4896.897	37.79	54.0	16.21	AV	290.00	200	Vertical	Pass
4	7329.818	53.80	74.0	20.20	Peak	121.00	400	Vertical	Pass
4**	7329.818	43.04	54.0	10.96	AV	121.00	400	Vertical	Pass
5	12482.817	53.43	74.0	20.57	Peak	132.00	100	Vertical	Pass
5**	12482.817	46.20	54.0	7.80	AV	132.00	100	Vertical	Pass
6	15688.478	51.14	74.0	22.86	Peak	177.00	400	Vertical	Pass
6**	15688.478	46.42	54.0	7.58	AV	177.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.592	44.98	88.2	43.22	Peak	198.00	400	Horizontal	Pass
1**	2100.592	30.92	68.2	37.28	AV	198.00	400	Horizontal	Pass
2	4811.354	46.92	74.0	27.08	Peak	134.00	300	Horizontal	Pass
2**	4811.354	40.38	54.0	13.62	AV	134.00	300	Horizontal	Pass
3	4899.034	52.46	74.0	21.54	Peak	160.00	200	Horizontal	Pass
3**	4899.034	40.89	54.0	13.11	AV	160.00	200	Horizontal	Pass
4	7951.309	55.27	88.2	32.93	Peak	76.00	300	Horizontal	Pass
4**	7951.309	45.72	68.2	22.48	AV	76.00	300	Horizontal	Pass
5	14439.342	57.77	88.2	30.43	Peak	63.00	300	Horizontal	Pass
5**	14439.342	48.45	68.2	19.75	AV	63.00	300	Horizontal	Pass
6	17433.296	52.87	88.2	35.33	Peak	44.00	200	Horizontal	Pass
6**	17433.296	47.24	68.2	20.96	AV	44.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.487	38.26	74.0	35.74	Peak	237.00	100	Vertical	Pass
1**	1533.487	30.31	54.0	23.69	AV	237.00	100	Vertical	Pass
2	2335.108	42.71	74.0	31.29	Peak	159.00	300	Vertical	Pass
2**	2335.108	32.42	54.0	21.58	AV	159.00	300	Vertical	Pass
3	4900.095	51.64	74.0	22.36	Peak	166.00	200	Vertical	Pass
3**	4900.095	39.12	54.0	14.88	AV	166.00	200	Vertical	Pass
4	7329.572	51.85	74.0	22.15	Peak	319.00	100	Vertical	Pass
4**	7329.572	42.00	54.0	12.00	AV	319.00	100	Vertical	Pass
5	12484.189	55.59	74.0	18.41	Peak	288.00	200	Vertical	Pass
5**	12484.189	44.23	54.0	9.77	AV	288.00	200	Vertical	Pass
6	15688.207	55.97	74.0	18.03	Peak	350.00	300	Vertical	Pass
6**	15688.207	45.09	54.0	8.91	AV	350.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2097.573	40.05	88.2	48.15	Peak	224.00	400	Horizontal	Pass
1**	2097.573	31.93	68.2	36.27	AV	224.00	400	Horizontal	Pass
2	4812.580	51.54	74.0	22.46	Peak	322.00	200	Horizontal	Pass
2**	4812.580	43.74	54.0	10.26	AV	322.00	200	Horizontal	Pass
3	4902.952	50.55	74.0	23.45	Peak	282.00	200	Horizontal	Pass
3**	4902.952	36.81	54.0	17.19	AV	282.00	200	Horizontal	Pass
4	7949.555	53.24	88.2	34.96	Peak	196.00	100	Horizontal	Pass
4**	7949.555	44.58	68.2	23.62	AV	196.00	100	Horizontal	Pass
5	14440.745	53.99	88.2	34.21	Peak	31.00	400	Horizontal	Pass
5**	14440.745	42.73	68.2	25.47	AV	31.00	400	Horizontal	Pass
6	17430.046	52.23	88.2	35.97	Peak	308.00	200	Horizontal	Pass
6**	17430.046	47.96	68.2	20.24	AV	308.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.636	41.23	74.0	32.77	Peak	298.00	300	Vertical	Pass
1**	1531.636	28.20	54.0	25.80	AV	298.00	300	Vertical	Pass
2	2337.439	42.67	74.0	31.33	Peak	81.00	200	Vertical	Pass
2**	2337.439	37.34	54.0	16.66	AV	81.00	200	Vertical	Pass
3	4898.604	48.85	74.0	25.15	Peak	111.00	200	Vertical	Pass
3**	4898.604	38.91	54.0	15.09	AV	111.00	200	Vertical	Pass
4	7326.336	53.40	74.0	20.60	Peak	18.00	200	Vertical	Pass
4**	7326.336	41.51	54.0	12.49	AV	18.00	200	Vertical	Pass
5	12488.455	53.38	74.0	20.62	Peak	197.00	400	Vertical	Pass
5**	12488.455	44.46	54.0	9.54	AV	197.00	400	Vertical	Pass
6	15688.168	54.23	74.0	19.77	Peak	84.00	200	Vertical	Pass
6**	15688.168	46.26	54.0	7.74	AV	84.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.899	40.42	88.2	47.78	Peak	347.00	300	Horizontal	Pass
1**	2100.899	32.73	68.2	35.47	AV	347.00	300	Horizontal	Pass
2	4811.256	47.64	74.0	26.36	Peak	218.00	100	Horizontal	Pass
2**	4811.256	43.24	54.0	10.76	AV	218.00	100	Horizontal	Pass
3	4899.361	46.97	74.0	27.03	Peak	5.00	200	Horizontal	Pass
3**	4899.361	38.28	54.0	15.72	AV	5.00	200	Horizontal	Pass
4	7955.527	56.72	88.2	31.48	Peak	324.00	300	Horizontal	Pass
4**	7955.527	41.33	68.2	26.87	AV	324.00	300	Horizontal	Pass
5	14445.280	56.93	88.2	31.27	Peak	51.00	300	Horizontal	Pass
5**	14445.280	47.95	68.2	20.25	AV	51.00	300	Horizontal	Pass
6	17432.328	56.78	88.2	31.42	Peak	142.00	200	Horizontal	Pass
6**	17432.328	42.75	68.2	25.45	AV	142.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.841	40.23	74.0	33.77	Peak	288.00	100	Vertical	Pass
1**	1532.841	30.10	54.0	23.90	AV	288.00	100	Vertical	Pass
2	2332.774	45.81	74.0	28.19	Peak	125.00	200	Vertical	Pass
2**	2332.774	36.42	54.0	17.58	AV	125.00	200	Vertical	Pass
3	4898.458	49.83	74.0	24.17	Peak	197.00	200	Vertical	Pass
3**	4898.458	36.91	54.0	17.09	AV	197.00	200	Vertical	Pass
4	7330.929	55.87	74.0	18.13	Peak	112.00	100	Vertical	Pass
4**	7330.929	41.25	54.0	12.75	AV	112.00	100	Vertical	Pass
5	12490.171	50.89	74.0	23.11	Peak	15.00	300	Vertical	Pass
5**	12490.171	43.86	54.0	10.14	AV	15.00	300	Vertical	Pass
6	15687.748	53.32	74.0	20.68	Peak	67.00	200	Vertical	Pass
6**	15687.748	42.44	54.0	11.56	AV	67.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2094.507	42.75	88.2	45.45	Peak	167.00	400	Horizontal	Pass
1**	2094.507	32.03	68.2	36.17	AV	167.00	400	Horizontal	Pass
2	4814.620	49.13	74.0	24.87	Peak	266.00	400	Horizontal	Pass
2**	4814.620	41.55	54.0	12.45	AV	266.00	400	Horizontal	Pass
3	4897.761	47.15	74.0	26.85	Peak	247.00	200	Horizontal	Pass
3**	4897.761	38.56	54.0	15.44	AV	247.00	200	Horizontal	Pass
4	7949.850	51.34	88.2	36.86	Peak	59.00	200	Horizontal	Pass
4**	7949.850	44.53	68.2	23.67	AV	59.00	200	Horizontal	Pass
5	14445.919	53.84	88.2	34.36	Peak	122.00	400	Horizontal	Pass
5**	14445.919	46.43	68.2	21.77	AV	122.00	400	Horizontal	Pass
6	17433.991	54.03	88.2	34.17	Peak	31.00	400	Horizontal	Pass
6**	17433.991	42.57	68.2	25.63	AV	31.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.466	41.39	74.0	32.61	Peak	113.00	300	Vertical	Pass
1**	1527.466	27.95	54.0	26.05	AV	113.00	300	Vertical	Pass
2	2338.412	43.42	74.0	30.58	Peak	100.00	100	Vertical	Pass
2**	2338.412	37.91	54.0	16.09	AV	100.00	100	Vertical	Pass
3	4899.006	49.81	74.0	24.19	Peak	116.00	200	Vertical	Pass
3**	4899.006	37.37	54.0	16.63	AV	116.00	200	Vertical	Pass
4	7330.353	50.73	74.0	23.27	Peak	160.00	100	Vertical	Pass
4**	7330.353	45.94	54.0	8.06	AV	160.00	100	Vertical	Pass
5	12486.356	53.53	74.0	20.47	Peak	295.00	200	Vertical	Pass
5**	12486.356	44.54	54.0	9.46	AV	295.00	200	Vertical	Pass
6	15690.535	54.95	74.0	19.05	Peak	336.00	100	Vertical	Pass
6**	15690.535	41.68	54.0	12.32	AV	336.00	100	Vertical	Pass

11ax20(SU), U-NII-6, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.557	44.10	88.2	44.10	Peak	272.00	400	Horizontal	Pass
1**	2100.557	34.96	68.2	33.24	AV	272.00	400	Horizontal	Pass
2	4814.514	46.54	74.0	27.46	Peak	40.00	100	Horizontal	Pass
2**	4814.514	40.02	54.0	13.98	AV	40.00	100	Horizontal	Pass
3	4902.001	47.30	74.0	26.70	Peak	248.00	200	Horizontal	Pass
3**	4902.001	37.05	54.0	16.95	AV	248.00	200	Horizontal	Pass
4	7953.750	56.40	88.2	31.80	Peak	147.00	100	Horizontal	Pass
4**	7953.750	46.92	68.2	21.28	AV	147.00	100	Horizontal	Pass
5	14440.125	57.37	88.2	30.83	Peak	352.00	300	Horizontal	Pass
5**	14440.125	45.44	68.2	22.76	AV	352.00	300	Horizontal	Pass
6	17436.801	54.80	88.2	33.40	Peak	258.00	300	Horizontal	Pass
6**	17436.801	46.33	68.2	21.87	AV	258.00	300	Horizontal	Pass

11ax20(SU), U-NII-6, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.711	38.45	74.0	35.55	Peak	271.00	200	Vertical	Pass
1**	1531.711	26.60	54.0	27.40	AV	271.00	200	Vertical	Pass
2	2333.829	42.53	74.0	31.47	Peak	30.00	100	Vertical	Pass
2**	2333.829	34.75	54.0	19.25	AV	30.00	100	Vertical	Pass
3	4898.874	49.44	74.0	24.56	Peak	144.00	200	Vertical	Pass
3**	4898.874	39.59	54.0	14.41	AV	144.00	200	Vertical	Pass
4	7329.777	51.99	74.0	22.01	Peak	120.00	200	Vertical	Pass
4**	7329.777	45.23	54.0	8.77	AV	120.00	200	Vertical	Pass
5	12484.933	52.23	74.0	21.77	Peak	7.00	100	Vertical	Pass
5**	12484.933	43.40	54.0	10.60	AV	7.00	100	Vertical	Pass
6	15692.038	52.22	74.0	21.78	Peak	58.00	100	Vertical	Pass
6**	15692.038	45.18	54.0	8.82	AV	58.00	100	Vertical	Pass

11ax20(SU), U-NII-6, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.052	42.94	88.2	45.26	Peak	182.00	400	Horizontal	Pass
1**	2095.052	30.01	68.2	38.19	AV	182.00	400	Horizontal	Pass
2	4810.067	49.02	74.0	24.98	Peak	58.00	300	Horizontal	Pass
2**	4810.067	41.57	54.0	12.43	AV	58.00	300	Horizontal	Pass
3	4898.617	49.11	74.0	24.89	Peak	123.00	200	Horizontal	Pass
3**	4898.617	41.91	54.0	12.09	AV	123.00	200	Horizontal	Pass
4	7954.280	54.54	88.2	33.66	Peak	53.00	200	Horizontal	Pass
4**	7954.280	41.55	68.2	26.65	AV	53.00	200	Horizontal	Pass
5	14441.578	56.25	88.2	31.95	Peak	13.00	100	Horizontal	Pass
5**	14441.578	47.84	68.2	20.36	AV	13.00	100	Horizontal	Pass
6	17433.284	55.87	88.2	32.33	Peak	267.00	100	Horizontal	Pass
6**	17433.284	47.33	68.2	20.87	AV	267.00	100	Horizontal	Pass

11ax20(SU), U-NII-6, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1534.178	38.65	74.0	35.35	Peak	213.00	300	Vertical	Pass
1**	1534.178	28.56	54.0	25.44	AV	213.00	300	Vertical	Pass
2	2334.372	42.73	74.0	31.27	Peak	205.00	100	Vertical	Pass
2**	2334.372	36.12	54.0	17.88	AV	205.00	100	Vertical	Pass
3	4900.719	48.56	74.0	25.44	Peak	89.00	200	Vertical	Pass
3**	4900.719	40.33	54.0	13.67	AV	89.00	200	Vertical	Pass
4	7324.182	56.26	74.0	17.74	Peak	51.00	200	Vertical	Pass
4**	7324.182	45.86	54.0	8.14	AV	51.00	200	Vertical	Pass
5	12483.092	55.99	74.0	18.01	Peak	171.00	100	Vertical	Pass
5**	12483.092	46.03	54.0	7.97	AV	171.00	100	Vertical	Pass
6	15691.548	51.03	74.0	22.97	Peak	79.00	400	Vertical	Pass
6**	15691.548	42.80	54.0	11.20	AV	79.00	400	Vertical	Pass

11ax20(SU), U-NII-6, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2098.744	40.05	88.2	48.15	Peak	296.00	200	Horizontal	Pass
1**	2098.744	32.26	68.2	35.94	AV	296.00	200	Horizontal	Pass
2	4815.322	48.76	74.0	25.24	Peak	333.00	300	Horizontal	Pass
2**	4815.322	39.96	54.0	14.04	AV	333.00	300	Horizontal	Pass
3	4901.974	47.74	74.0	26.26	Peak	322.00	200	Horizontal	Pass
3**	4901.974	41.12	54.0	12.88	AV	322.00	200	Horizontal	Pass
4	7952.784	51.86	88.2	36.34	Peak	188.00	300	Horizontal	Pass
4**	7952.784	42.87	68.2	25.33	AV	188.00	300	Horizontal	Pass
5	14441.072	57.35	88.2	30.85	Peak	349.00	200	Horizontal	Pass
5**	14441.072	45.84	68.2	22.36	AV	349.00	200	Horizontal	Pass
6	17437.716	56.38	88.2	31.82	Peak	183.00	400	Horizontal	Pass
6**	17437.716	43.98	68.2	24.22	AV	183.00	400	Horizontal	Pass

11ax20(SU), U-NII-6, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.781	36.61	74.0	37.39	Peak	332.00	400	Vertical	Pass
1**	1529.781	26.17	54.0	27.83	AV	332.00	400	Vertical	Pass
2	2335.713	47.08	74.0	26.92	Peak	237.00	300	Vertical	Pass
2**	2335.713	33.00	54.0	21.00	AV	237.00	300	Vertical	Pass
3	4900.216	49.27	74.0	24.73	Peak	225.00	200	Vertical	Pass
3**	4900.216	40.95	54.0	13.05	AV	225.00	200	Vertical	Pass
4	7329.074	52.28	74.0	21.72	Peak	92.00	100	Vertical	Pass
4**	7329.074	43.15	54.0	10.85	AV	92.00	100	Vertical	Pass
5	12484.595	51.01	74.0	22.99	Peak	87.00	200	Vertical	Pass
5**	12484.595	42.84	54.0	11.16	AV	87.00	200	Vertical	Pass
6	15693.015	51.80	74.0	22.20	Peak	311.00	200	Vertical	Pass
6**	15693.015	45.26	54.0	8.74	AV	311.00	200	Vertical	Pass

11ax40(SU), U-NII-6, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2094.610	39.18	88.2	49.02	Peak	76.00	100	Horizontal	Pass
1**	2094.610	32.05	68.2	36.15	AV	76.00	100	Horizontal	Pass
2	4815.716	48.22	74.0	25.78	Peak	360.00	100	Horizontal	Pass
2**	4815.716	41.94	54.0	12.06	AV	360.00	100	Horizontal	Pass
3	4897.192	47.35	74.0	26.65	Peak	257.00	200	Horizontal	Pass
3**	4897.192	42.43	54.0	11.57	AV	257.00	200	Horizontal	Pass
4	7951.595	53.11	88.2	35.09	Peak	206.00	300	Horizontal	Pass
4**	7951.595	46.50	68.2	21.70	AV	206.00	300	Horizontal	Pass
5	14438.092	56.48	88.2	31.72	Peak	309.00	400	Horizontal	Pass
5**	14438.092	42.94	68.2	25.26	AV	309.00	400	Horizontal	Pass
6	17434.783	56.80	88.2	31.40	Peak	86.00	100	Horizontal	Pass
6**	17434.783	47.54	68.2	20.66	AV	86.00	100	Horizontal	Pass

11ax40(SU), U-NII-6, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.845	38.54	74.0	35.46	Peak	257.00	300	Vertical	Pass
1**	1530.845	31.03	54.0	22.97	AV	257.00	300	Vertical	Pass
2	2337.725	44.72	74.0	29.28	Peak	286.00	200	Vertical	Pass
2**	2337.725	35.15	54.0	18.85	AV	286.00	200	Vertical	Pass
3	4900.065	52.77	74.0	21.23	Peak	231.00	200	Vertical	Pass
3**	4900.065	38.89	54.0	15.11	AV	231.00	200	Vertical	Pass
4	7331.162	54.22	74.0	19.78	Peak	276.00	300	Vertical	Pass
4**	7331.162	41.72	54.0	12.28	AV	276.00	300	Vertical	Pass
5	12485.645	51.52	74.0	22.48	Peak	73.00	400	Vertical	Pass
5**	12485.645	44.24	54.0	9.76	AV	73.00	400	Vertical	Pass
6	15687.473	52.52	74.0	21.48	Peak	343.00	100	Vertical	Pass
6**	15687.473	46.95	54.0	7.05	AV	343.00	100	Vertical	Pass

11ax40(SU), U-NII-6, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2098.536	39.04	88.2	49.16	Peak	348.00	300	Horizontal	Pass
1**	2098.536	30.08	68.2	38.12	AV	348.00	300	Horizontal	Pass
2	4811.317	50.18	74.0	23.82	Peak	157.00	200	Horizontal	Pass
2**	4811.317	42.81	54.0	11.19	AV	157.00	200	Horizontal	Pass
3	4899.261	49.78	74.0	24.22	Peak	239.00	200	Horizontal	Pass
3**	4899.261	37.71	54.0	16.29	AV	239.00	200	Horizontal	Pass
4	7955.699	55.79	88.2	32.41	Peak	36.00	200	Horizontal	Pass
4**	7955.699	44.99	68.2	23.21	AV	36.00	200	Horizontal	Pass
5	14443.649	54.64	88.2	33.56	Peak	352.00	100	Horizontal	Pass
5**	14443.649	45.97	68.2	22.23	AV	352.00	100	Horizontal	Pass
6	17436.334	51.97	88.2	36.23	Peak	272.00	300	Horizontal	Pass
6**	17436.334	47.80	68.2	20.40	AV	272.00	300	Horizontal	Pass

11ax40(SU), U-NII-6, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.897	37.59	74.0	36.41	Peak	28.00	100	Vertical	Pass
1**	1533.897	30.01	54.0	23.99	AV	28.00	100	Vertical	Pass
2	2338.445	43.95	74.0	30.05	Peak	181.00	100	Vertical	Pass
2**	2338.445	37.95	54.0	16.05	AV	181.00	100	Vertical	Pass
3	4897.833	51.19	74.0	22.81	Peak	122.00	200	Vertical	Pass
3**	4897.833	40.18	54.0	13.82	AV	122.00	200	Vertical	Pass
4	7323.524	55.89	74.0	18.11	Peak	339.00	100	Vertical	Pass
4**	7323.524	45.25	54.0	8.75	AV	339.00	100	Vertical	Pass
5	12486.357	55.65	74.0	18.35	Peak	288.00	200	Vertical	Pass
5**	12486.357	42.63	54.0	11.37	AV	288.00	200	Vertical	Pass
6	15691.791	55.47	74.0	18.53	Peak	100.00	100	Vertical	Pass
6**	15691.791	44.82	54.0	9.18	AV	100.00	100	Vertical	Pass

11ax80(SU), U-NII-6, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2093.394	42.64	88.2	45.56	Peak	276.00	400	Horizontal	Pass
1**	2093.394	30.11	68.2	38.09	AV	276.00	400	Horizontal	Pass
2	4813.011	47.72	74.0	26.28	Peak	159.00	400	Horizontal	Pass
2**	4813.011	40.11	54.0	13.89	AV	159.00	400	Horizontal	Pass
3	4901.945	50.44	74.0	23.56	Peak	278.00	200	Horizontal	Pass
3**	4901.945	38.69	54.0	15.31	AV	278.00	200	Horizontal	Pass
4	7952.186	51.53	88.2	36.67	Peak	127.00	100	Horizontal	Pass
4**	7952.186	41.38	68.2	26.82	AV	127.00	100	Horizontal	Pass
5	14445.316	58.30	88.2	29.90	Peak	241.00	200	Horizontal	Pass
5**	14445.316	42.75	68.2	25.45	AV	241.00	200	Horizontal	Pass
6	17430.687	54.35	88.2	33.85	Peak	284.00	100	Horizontal	Pass
6**	17430.687	47.55	68.2	20.65	AV	284.00	100	Horizontal	Pass

11ax80(SU), U-NII-6, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.604	38.25	74.0	35.75	Peak	126.00	300	Vertical	Pass
1**	1529.604	27.11	54.0	26.89	AV	126.00	300	Vertical	Pass
2	2335.658	43.99	74.0	30.01	Peak	33.00	100	Vertical	Pass
2**	2335.658	37.23	54.0	16.77	AV	33.00	100	Vertical	Pass
3	4898.531	51.24	74.0	22.76	Peak	229.00	200	Vertical	Pass
3**	4898.531	41.74	54.0	12.26	AV	229.00	200	Vertical	Pass
4	7324.693	54.02	74.0	19.98	Peak	203.00	400	Vertical	Pass
4**	7324.693	41.50	54.0	12.50	AV	203.00	400	Vertical	Pass
5	12484.886	55.33	74.0	18.67	Peak	240.00	400	Vertical	Pass
5**	12484.886	46.80	54.0	7.20	AV	240.00	400	Vertical	Pass
6	15687.823	51.19	74.0	22.81	Peak	110.00	100	Vertical	Pass
6**	15687.823	44.38	54.0	9.62	AV	110.00	100	Vertical	Pass

11ax80(SU), U-NII-6, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.846	39.69	88.2	48.51	Peak	183.00	400	Horizontal	Pass
1**	2100.846	31.73	68.2	36.47	AV	183.00	400	Horizontal	Pass
2	4812.665	49.45	74.0	24.55	Peak	191.00	400	Horizontal	Pass
2**	4812.665	43.90	54.0	10.10	AV	191.00	400	Horizontal	Pass
3	4904.169	48.20	74.0	25.80	Peak	180.00	200	Horizontal	Pass
3**	4904.169	41.08	54.0	12.92	AV	180.00	200	Horizontal	Pass
4	7949.789	55.23	88.2	32.97	Peak	339.00	200	Horizontal	Pass
4**	7949.789	43.18	68.2	25.02	AV	339.00	200	Horizontal	Pass
5	14440.567	53.11	88.2	35.09	Peak	274.00	200	Horizontal	Pass
5**	14440.567	45.73	68.2	22.47	AV	274.00	200	Horizontal	Pass
6	17436.362	57.80	88.2	30.40	Peak	260.00	300	Horizontal	Pass
6**	17436.362	43.21	68.2	24.99	AV	260.00	300	Horizontal	Pass

11ax80(SU), U-NII-6, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.167	41.27	74.0	32.73	Peak	333.00	300	Vertical	Pass
1**	1531.167	28.17	54.0	25.83	AV	333.00	300	Vertical	Pass
2	2334.601	42.40	74.0	31.60	Peak	134.00	200	Vertical	Pass
2**	2334.601	36.08	54.0	17.92	AV	134.00	200	Vertical	Pass
3	4899.430	49.83	74.0	24.17	Peak	23.00	200	Vertical	Pass
3**	4899.430	39.46	54.0	14.54	AV	23.00	200	Vertical	Pass
4	7323.920	52.12	74.0	21.88	Peak	113.00	400	Vertical	Pass
4**	7323.920	46.20	54.0	7.80	AV	113.00	400	Vertical	Pass
5	12486.093	50.39	74.0	23.61	Peak	52.00	300	Vertical	Pass
5**	12486.093	44.13	54.0	9.87	AV	52.00	300	Vertical	Pass
6	15687.482	53.88	74.0	20.12	Peak	309.00	400	Vertical	Pass
6**	15687.482	44.17	54.0	9.83	AV	309.00	400	Vertical	Pass

11ax20(SU), U-NII-7, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.067	40.47	88.2	47.73	Peak	35.00	100	Horizontal	Pass
1**	2100.067	33.83	68.2	34.37	AV	35.00	100	Horizontal	Pass
2	4815.226	49.19	74.0	24.81	Peak	89.00	400	Horizontal	Pass
2**	4815.226	38.45	54.0	15.55	AV	89.00	400	Horizontal	Pass
3	4897.881	48.44	74.0	25.56	Peak	159.00	200	Horizontal	Pass
3**	4897.881	42.21	54.0	11.79	AV	159.00	200	Horizontal	Pass
4	7952.643	51.73	88.2	36.47	Peak	348.00	100	Horizontal	Pass
4**	7952.643	46.41	68.2	21.79	AV	348.00	100	Horizontal	Pass
5	14445.185	55.68	88.2	32.52	Peak	171.00	100	Horizontal	Pass
5**	14445.185	48.37	68.2	19.83	AV	171.00	100	Horizontal	Pass
6	17430.074	54.71	88.2	33.49	Peak	17.00	300	Horizontal	Pass
6**	17430.074	42.85	68.2	25.35	AV	17.00	300	Horizontal	Pass

11ax20(SU), U-NII-7, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.926	39.90	74.0	34.10	Peak	203.00	300	Vertical	Pass
1**	1526.926	31.49	54.0	22.51	AV	203.00	300	Vertical	Pass
2	2334.181	47.27	74.0	26.73	Peak	25.00	100	Vertical	Pass
2**	2334.181	33.97	54.0	20.03	AV	25.00	100	Vertical	Pass
3	4900.119	51.69	74.0	22.31	Peak	77.00	200	Vertical	Pass
3**	4900.119	40.64	54.0	13.36	AV	77.00	200	Vertical	Pass
4	7324.556	50.38	74.0	23.62	Peak	209.00	100	Vertical	Pass
4**	7324.556	41.09	54.0	12.91	AV	209.00	100	Vertical	Pass
5	12483.796	53.94	74.0	20.06	Peak	187.00	300	Vertical	Pass
5**	12483.796	45.92	54.0	8.08	AV	187.00	300	Vertical	Pass
6	15693.506	54.65	74.0	19.35	Peak	265.00	300	Vertical	Pass
6**	15693.506	43.94	54.0	10.06	AV	265.00	300	Vertical	Pass

11ax20(SU), U-NII-7, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2094.737	41.90	88.2	46.30	Peak	50.00	200	Horizontal	Pass
1**	2094.737	32.13	68.2	36.07	AV	50.00	200	Horizontal	Pass
2	4813.418	47.53	74.0	26.47	Peak	96.00	400	Horizontal	Pass
2**	4813.418	39.97	54.0	14.03	AV	96.00	400	Horizontal	Pass
3	4899.046	47.25	74.0	26.75	Peak	281.00	200	Horizontal	Pass
3**	4899.046	37.13	54.0	16.87	AV	281.00	200	Horizontal	Pass
4	7951.783	55.58	88.2	32.62	Peak	265.00	200	Horizontal	Pass
4**	7951.783	43.92	68.2	24.28	AV	265.00	200	Horizontal	Pass
5	14441.063	56.37	88.2	31.83	Peak	339.00	300	Horizontal	Pass
5**	14441.063	44.74	68.2	23.46	AV	339.00	300	Horizontal	Pass
6	17437.336	56.04	88.2	32.16	Peak	66.00	300	Horizontal	Pass
6**	17437.336	43.94	68.2	24.26	AV	66.00	300	Horizontal	Pass

11ax20(SU), U-NII-7, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1526.751	39.35	74.0	34.65	Peak	51.00	100	Vertical	Pass
1**	1526.751	30.44	54.0	23.56	AV	51.00	100	Vertical	Pass
2	2338.248	41.71	74.0	32.29	Peak	170.00	100	Vertical	Pass
2**	2338.248	36.67	54.0	17.33	AV	170.00	100	Vertical	Pass
3	4897.015	52.15	74.0	21.85	Peak	23.00	200	Vertical	Pass
3**	4897.015	40.27	54.0	13.73	AV	23.00	200	Vertical	Pass
4	7328.014	51.13	74.0	22.87	Peak	179.00	100	Vertical	Pass
4**	7328.014	40.88	54.0	13.12	AV	179.00	100	Vertical	Pass
5	12484.309	55.85	74.0	18.15	Peak	20.00	400	Vertical	Pass
5**	12484.309	43.44	54.0	10.56	AV	20.00	400	Vertical	Pass
6	15691.377	50.81	74.0	23.19	Peak	136.00	200	Vertical	Pass
6**	15691.377	44.00	54.0	10.00	AV	136.00	200	Vertical	Pass

11ax20(SU), U-NII-7, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2097.277	43.64	88.2	44.56	Peak	125.00	100	Horizontal	Pass
1**	2097.277	32.88	68.2	35.32	AV	125.00	100	Horizontal	Pass
2	4809.420	48.36	74.0	25.64	Peak	15.00	100	Horizontal	Pass
2**	4809.420	43.42	54.0	10.58	AV	15.00	100	Horizontal	Pass
3	4902.586	48.37	74.0	25.63	Peak	69.00	200	Horizontal	Pass
3**	4902.586	39.33	54.0	14.67	AV	69.00	200	Horizontal	Pass
4	7952.969	55.32	88.2	32.88	Peak	53.00	400	Horizontal	Pass
4**	7952.969	42.77	68.2	25.43	AV	53.00	400	Horizontal	Pass
5	14438.849	53.17	88.2	35.03	Peak	40.00	200	Horizontal	Pass
5**	14438.849	43.77	68.2	24.43	AV	40.00	200	Horizontal	Pass
6	17434.188	55.25	88.2	32.95	Peak	349.00	400	Horizontal	Pass
6**	17434.188	42.90	68.2	25.30	AV	349.00	400	Horizontal	Pass

11ax20(SU), U-NII-7, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.015	36.33	74.0	37.67	Peak	176.00	400	Vertical	Pass
1**	1528.015	31.40	54.0	22.60	AV	176.00	400	Vertical	Pass
2	2338.748	43.22	74.0	30.78	Peak	10.00	300	Vertical	Pass
2**	2338.748	37.78	54.0	16.22	AV	10.00	300	Vertical	Pass
3	4903.897	47.00	74.0	27.00	Peak	145.00	200	Vertical	Pass
3**	4903.897	38.41	54.0	15.59	AV	145.00	200	Vertical	Pass
4	7325.946	51.54	74.0	22.46	Peak	55.00	400	Vertical	Pass
4**	7325.946	44.78	54.0	9.22	AV	55.00	400	Vertical	Pass
5	12485.020	51.80	74.0	22.20	Peak	321.00	400	Vertical	Pass
5**	12485.020	41.79	54.0	12.21	AV	321.00	400	Vertical	Pass
6	15692.499	51.07	74.0	22.93	Peak	340.00	300	Vertical	Pass
6**	15692.499	47.13	54.0	6.87	AV	340.00	300	Vertical	Pass

11ax40(SU), U-NII-7, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2097.694	39.37	88.2	48.83	Peak	134.00	400	Horizontal	Pass
1**	2097.694	30.85	68.2	37.35	AV	134.00	400	Horizontal	Pass
2	4814.710	51.79	74.0	22.21	Peak	50.00	100	Horizontal	Pass
2**	4814.710	42.23	54.0	11.77	AV	50.00	100	Horizontal	Pass
3	4898.427	52.34	74.0	21.66	Peak	52.00	200	Horizontal	Pass
3**	4898.427	42.28	54.0	11.72	AV	52.00	200	Horizontal	Pass
4	7952.551	53.06	88.2	35.14	Peak	262.00	200	Horizontal	Pass
4**	7952.551	44.24	68.2	23.96	AV	262.00	200	Horizontal	Pass
5	14441.115	56.23	88.2	31.97	Peak	9.00	100	Horizontal	Pass
5**	14441.115	44.08	68.2	24.12	AV	9.00	100	Horizontal	Pass
6	17430.076	55.54	88.2	32.66	Peak	103.00	300	Horizontal	Pass
6**	17430.076	43.41	68.2	24.79	AV	103.00	300	Horizontal	Pass

11ax40(SU), U-NII-7, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.710	41.60	74.0	32.40	Peak	214.00	300	Vertical	Pass
1**	1529.710	30.09	54.0	23.91	AV	214.00	300	Vertical	Pass
2	2332.380	43.96	74.0	30.04	Peak	355.00	400	Vertical	Pass
2**	2332.380	32.63	54.0	21.37	AV	355.00	400	Vertical	Pass
3	4903.150	49.97	74.0	24.03	Peak	61.00	200	Vertical	Pass
3**	4903.150	40.63	54.0	13.37	AV	61.00	200	Vertical	Pass
4	7325.434	55.58	74.0	18.42	Peak	341.00	100	Vertical	Pass
4**	7325.434	44.66	54.0	9.34	AV	341.00	100	Vertical	Pass
5	12482.835	50.87	74.0	23.13	Peak	340.00	300	Vertical	Pass
5**	12482.835	46.07	54.0	7.93	AV	340.00	300	Vertical	Pass
6	15691.227	54.77	74.0	19.23	Peak	27.00	200	Vertical	Pass
6**	15691.227	42.79	54.0	11.21	AV	27.00	200	Vertical	Pass

11ax40(SU), U-NII-7, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.105	40.19	88.2	48.01	Peak	90.00	400	Horizontal	Pass
1**	2095.105	30.74	68.2	37.46	AV	90.00	400	Horizontal	Pass
2	4814.471	49.54	74.0	24.46	Peak	272.00	200	Horizontal	Pass
2**	4814.471	41.26	54.0	12.74	AV	272.00	200	Horizontal	Pass
3	4900.037	49.82	74.0	24.18	Peak	11.00	200	Horizontal	Pass
3**	4900.037	39.22	54.0	14.78	AV	11.00	200	Horizontal	Pass
4	7952.423	55.18	88.2	33.02	Peak	290.00	100	Horizontal	Pass
4**	7952.423	46.56	68.2	21.64	AV	290.00	100	Horizontal	Pass
5	14439.424	57.43	88.2	30.77	Peak	173.00	100	Horizontal	Pass
5**	14439.424	45.89	68.2	22.31	AV	173.00	100	Horizontal	Pass
6	17435.683	54.43	88.2	33.77	Peak	216.00	300	Horizontal	Pass
6**	17435.683	42.67	68.2	25.53	AV	216.00	300	Horizontal	Pass

11ax40(SU), U-NII-7, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.522	37.89	74.0	36.11	Peak	287.00	300	Vertical	Pass
1**	1528.522	31.31	54.0	22.69	AV	287.00	300	Vertical	Pass
2	2337.380	44.49	74.0	29.51	Peak	42.00	100	Vertical	Pass
2**	2337.380	33.20	54.0	20.80	AV	42.00	100	Vertical	Pass
3	4899.948	50.94	74.0	23.06	Peak	185.00	200	Vertical	Pass
3**	4899.948	39.39	54.0	14.61	AV	185.00	200	Vertical	Pass
4	7325.437	56.04	74.0	17.96	Peak	211.00	200	Vertical	Pass
4**	7325.437	40.84	54.0	13.16	AV	211.00	200	Vertical	Pass
5	12485.151	55.51	74.0	18.49	Peak	3.00	100	Vertical	Pass
5**	12485.151	44.66	54.0	9.34	AV	3.00	100	Vertical	Pass
6	15689.844	50.93	74.0	23.07	Peak	189.00	300	Vertical	Pass
6**	15689.844	46.70	54.0	7.30	AV	189.00	300	Vertical	Pass

11ax40(SU), U-NII-7, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.911	44.21	88.2	43.99	Peak	348.00	100	Horizontal	Pass
1**	2100.911	34.79	68.2	33.41	AV	348.00	100	Horizontal	Pass
2	4808.762	49.13	74.0	24.87	Peak	219.00	200	Horizontal	Pass
2**	4808.762	40.18	54.0	13.82	AV	219.00	200	Horizontal	Pass
3	4896.930	47.66	74.0	26.34	Peak	263.00	200	Horizontal	Pass
3**	4896.930	39.83	54.0	14.17	AV	263.00	200	Horizontal	Pass
4	7955.516	54.17	88.2	34.03	Peak	336.00	300	Horizontal	Pass
4**	7955.516	47.11	68.2	21.09	AV	336.00	300	Horizontal	Pass
5	14442.875	55.00	88.2	33.20	Peak	288.00	200	Horizontal	Pass
5**	14442.875	43.79	68.2	24.41	AV	288.00	200	Horizontal	Pass
6	17431.818	54.08	88.2	34.12	Peak	17.00	100	Horizontal	Pass
6**	17431.818	45.33	68.2	22.87	AV	17.00	100	Horizontal	Pass

11ax40(SU), U-NII-7, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.971	36.41	74.0	37.59	Peak	333.00	400	Vertical	Pass
1**	1531.971	29.35	54.0	24.65	AV	333.00	400	Vertical	Pass
2	2332.074	42.88	74.0	31.12	Peak	261.00	300	Vertical	Pass
2**	2332.074	37.41	54.0	16.59	AV	261.00	300	Vertical	Pass
3	4904.215	51.82	74.0	22.18	Peak	350.00	200	Vertical	Pass
3**	4904.215	42.37	54.0	11.63	AV	350.00	200	Vertical	Pass
4	7325.197	55.48	74.0	18.52	Peak	259.00	200	Vertical	Pass
4**	7325.197	46.27	54.0	7.73	AV	259.00	200	Vertical	Pass
5	12483.354	52.99	74.0	21.01	Peak	353.00	200	Vertical	Pass
5**	12483.354	46.31	54.0	7.69	AV	353.00	200	Vertical	Pass
6	15688.060	56.75	74.0	17.25	Peak	349.00	100	Vertical	Pass
6**	15688.060	46.81	54.0	7.19	AV	349.00	100	Vertical	Pass

11ax80(SU), U-NII-7, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.942	44.02	88.2	44.18	Peak	113.00	400	Horizontal	Pass
1**	2095.942	31.74	68.2	36.46	AV	113.00	400	Horizontal	Pass
2	4813.916	49.05	74.0	24.95	Peak	293.00	300	Horizontal	Pass
2**	4813.916	42.12	54.0	11.88	AV	293.00	300	Horizontal	Pass
3	4903.999	51.27	74.0	22.73	Peak	58.00	200	Horizontal	Pass
3**	4903.999	37.68	54.0	16.32	AV	58.00	200	Horizontal	Pass
4	7954.155	53.07	88.2	35.13	Peak	147.00	100	Horizontal	Pass
4**	7954.155	46.24	68.2	21.96	AV	147.00	100	Horizontal	Pass
5	14442.187	52.96	88.2	35.24	Peak	322.00	300	Horizontal	Pass
5**	14442.187	44.80	68.2	23.40	AV	322.00	300	Horizontal	Pass
6	17434.103	57.51	88.2	30.69	Peak	319.00	400	Horizontal	Pass
6**	17434.103	45.29	68.2	22.91	AV	319.00	400	Horizontal	Pass

11ax80(SU), U-NII-7, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.109	37.93	74.0	36.07	Peak	78.00	300	Vertical	Pass
1**	1530.109	27.29	54.0	26.71	AV	78.00	300	Vertical	Pass
2	2338.052	44.24	74.0	29.76	Peak	32.00	100	Vertical	Pass
2**	2338.052	34.32	54.0	19.68	AV	32.00	100	Vertical	Pass
3	4898.131	50.06	74.0	23.94	Peak	14.00	200	Vertical	Pass
3**	4898.131	40.75	54.0	13.25	AV	14.00	200	Vertical	Pass
4	7328.983	56.31	74.0	17.69	Peak	289.00	300	Vertical	Pass
4**	7328.983	43.99	54.0	10.01	AV	289.00	300	Vertical	Pass
5	12488.028	53.62	74.0	20.38	Peak	163.00	400	Vertical	Pass
5**	12488.028	46.11	54.0	7.89	AV	163.00	400	Vertical	Pass
6	15692.192	51.00	74.0	23.00	Peak	262.00	400	Vertical	Pass
6**	15692.192	42.29	54.0	11.71	AV	262.00	400	Vertical	Pass

11ax80(SU), U-NII-7, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2098.058	39.59	88.2	48.61	Peak	16.00	100	Horizontal	Pass
1**	2098.058	33.11	68.2	35.09	AV	16.00	100	Horizontal	Pass
2	4812.652	48.82	74.0	25.18	Peak	150.00	200	Horizontal	Pass
2**	4812.652	38.50	54.0	15.50	AV	150.00	200	Horizontal	Pass
3	4900.369	51.38	74.0	22.62	Peak	55.00	200	Horizontal	Pass
3**	4900.369	36.91	54.0	17.09	AV	55.00	200	Horizontal	Pass
4	7950.624	54.30	88.2	33.90	Peak	209.00	100	Horizontal	Pass
4**	7950.624	41.23	68.2	26.97	AV	209.00	100	Horizontal	Pass
5	14440.473	58.16	88.2	30.04	Peak	4.00	100	Horizontal	Pass
5**	14440.473	45.89	68.2	22.31	AV	4.00	100	Horizontal	Pass
6	17435.244	52.41	88.2	35.79	Peak	49.00	300	Horizontal	Pass
6**	17435.244	44.28	68.2	23.92	AV	49.00	300	Horizontal	Pass

11ax80(SU), U-NII-7, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.985	36.27	74.0	37.73	Peak	83.00	400	Vertical	Pass
1**	1528.985	27.02	54.0	26.98	AV	83.00	400	Vertical	Pass
2	2332.124	46.77	74.0	27.23	Peak	142.00	100	Vertical	Pass
2**	2332.124	35.73	54.0	18.27	AV	142.00	100	Vertical	Pass
3	4897.059	47.46	74.0	26.54	Peak	294.00	200	Vertical	Pass
3**	4897.059	41.26	54.0	12.74	AV	294.00	200	Vertical	Pass
4	7325.857	54.78	74.0	19.22	Peak	137.00	100	Vertical	Pass
4**	7325.857	45.84	54.0	8.16	AV	137.00	100	Vertical	Pass
5	12482.527	54.51	74.0	19.49	Peak	346.00	200	Vertical	Pass
5**	12482.527	44.34	54.0	9.66	AV	346.00	200	Vertical	Pass
6	15688.970	55.40	74.0	18.60	Peak	13.00	300	Vertical	Pass
6**	15688.970	47.17	54.0	6.83	AV	13.00	300	Vertical	Pass

11ax80(SU), U-NII-7, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2100.206	42.82	88.2	45.38	Peak	93.00	200	Horizontal	Pass
1**	2100.206	31.87	68.2	36.33	AV	93.00	200	Horizontal	Pass
2	4811.392	52.40	74.0	21.60	Peak	349.00	400	Horizontal	Pass
2**	4811.392	41.11	54.0	12.89	AV	349.00	400	Horizontal	Pass
3	4900.331	50.99	74.0	23.01	Peak	142.00	200	Horizontal	Pass
3**	4900.331	38.85	54.0	15.15	AV	142.00	200	Horizontal	Pass
4	7951.206	53.31	88.2	34.89	Peak	298.00	300	Horizontal	Pass
4**	7951.206	45.73	68.2	22.47	AV	298.00	300	Horizontal	Pass
5	14438.237	55.03	88.2	33.17	Peak	147.00	100	Horizontal	Pass
5**	14438.237	42.60	68.2	25.60	AV	147.00	100	Horizontal	Pass
6	17436.248	54.47	88.2	33.73	Peak	36.00	200	Horizontal	Pass
6**	17436.248	42.66	68.2	25.54	AV	36.00	200	Horizontal	Pass

11ax80(SU), U-NII-7, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.810	39.31	74.0	34.69	Peak	160.00	100	Vertical	Pass
1**	1528.810	27.32	54.0	26.68	AV	160.00	100	Vertical	Pass
2	2338.522	47.21	74.0	26.79	Peak	331.00	100	Vertical	Pass
2**	2338.522	37.29	54.0	16.71	AV	331.00	100	Vertical	Pass
3	4900.411	49.79	74.0	24.21	Peak	316.00	200	Vertical	Pass
3**	4900.411	39.67	54.0	14.33	AV	316.00	200	Vertical	Pass
4	7331.088	50.87	74.0	23.13	Peak	95.00	400	Vertical	Pass
4**	7331.088	43.86	54.0	10.14	AV	95.00	400	Vertical	Pass
5	12488.106	52.99	74.0	21.01	Peak	219.00	300	Vertical	Pass
5**	12488.106	46.14	54.0	7.86	AV	219.00	300	Vertical	Pass
6	15690.791	54.32	74.0	19.68	Peak	299.00	200	Vertical	Pass
6**	15690.791	45.66	54.0	8.34	AV	299.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2093.661	44.12	88.2	44.08	Peak	42.00	300	Horizontal	Pass
1**	2093.661	30.63	68.2	37.57	AV	42.00	300	Horizontal	Pass
2	4808.946	48.63	74.0	25.37	Peak	352.00	400	Horizontal	Pass
2**	4808.946	39.94	54.0	14.06	AV	352.00	400	Horizontal	Pass
3	4901.321	50.84	74.0	23.16	Peak	158.00	200	Horizontal	Pass
3**	4901.321	40.90	54.0	13.10	AV	158.00	200	Horizontal	Pass
4	7952.428	51.98	88.2	36.22	Peak	272.00	300	Horizontal	Pass
4**	7952.428	44.23	68.2	23.97	AV	272.00	300	Horizontal	Pass
5	14440.398	57.69	88.2	30.51	Peak	38.00	400	Horizontal	Pass
5**	14440.398	45.01	68.2	23.19	AV	38.00	400	Horizontal	Pass
6	17435.782	55.23	88.2	32.97	Peak	29.00	400	Horizontal	Pass
6**	17435.782	45.44	68.2	22.76	AV	29.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.316	37.43	74.0	36.57	Peak	107.00	300	Vertical	Pass
1**	1527.316	28.26	54.0	25.74	AV	107.00	300	Vertical	Pass
2	2338.026	47.04	74.0	26.96	Peak	265.00	200	Vertical	Pass
2**	2338.026	38.09	54.0	15.91	AV	265.00	200	Vertical	Pass
3	4897.181	48.68	74.0	25.32	Peak	346.00	200	Vertical	Pass
3**	4897.181	37.94	54.0	16.06	AV	346.00	200	Vertical	Pass
4	7326.719	54.06	74.0	19.94	Peak	145.00	300	Vertical	Pass
4**	7326.719	42.98	54.0	11.02	AV	145.00	300	Vertical	Pass
5	12489.101	54.66	74.0	19.34	Peak	284.00	100	Vertical	Pass
5**	12489.101	42.53	54.0	11.47	AV	284.00	100	Vertical	Pass
6	15694.305	52.27	74.0	21.73	Peak	14.00	300	Vertical	Pass
6**	15694.305	46.54	54.0	7.46	AV	14.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2093.671	40.40	88.2	47.80	Peak	115.00	400	Horizontal	Pass
1**	2093.671	33.73	68.2	34.47	AV	115.00	400	Horizontal	Pass
2	4815.269	50.22	74.0	23.78	Peak	143.00	400	Horizontal	Pass
2**	4815.269	38.32	54.0	15.68	AV	143.00	400	Horizontal	Pass
3	4898.432	47.26	74.0	26.74	Peak	117.00	200	Horizontal	Pass
3**	4898.432	38.38	54.0	15.62	AV	117.00	200	Horizontal	Pass
4	7949.491	54.19	88.2	34.01	Peak	141.00	400	Horizontal	Pass
4**	7949.491	43.61	68.2	24.59	AV	141.00	400	Horizontal	Pass
5	14442.445	56.25	88.2	31.95	Peak	265.00	200	Horizontal	Pass
5**	14442.445	47.76	68.2	20.44	AV	265.00	200	Horizontal	Pass
6	17437.344	52.69	88.2	35.51	Peak	230.00	100	Horizontal	Pass
6**	17437.344	46.09	68.2	22.11	AV	230.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.377	41.13	74.0	32.87	Peak	76.00	300	Vertical	Pass
1**	1530.377	26.51	54.0	27.49	AV	76.00	300	Vertical	Pass
2	2337.878	42.73	74.0	31.27	Peak	253.00	300	Vertical	Pass
2**	2337.878	33.05	54.0	20.95	AV	253.00	300	Vertical	Pass
3	4903.011	47.38	74.0	26.62	Peak	96.00	200	Vertical	Pass
3**	4903.011	42.58	54.0	11.42	AV	96.00	200	Vertical	Pass
4	7324.934	50.42	74.0	23.58	Peak	146.00	400	Vertical	Pass
4**	7324.934	45.44	54.0	8.56	AV	146.00	400	Vertical	Pass
5	12488.152	55.91	74.0	18.09	Peak	171.00	400	Vertical	Pass
5**	12488.152	43.18	54.0	10.82	AV	171.00	400	Vertical	Pass
6	15688.327	52.96	74.0	21.04	Peak	174.00	200	Vertical	Pass
6**	15688.327	45.95	54.0	8.05	AV	174.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2097.227	44.91	88.2	43.29	Peak	244.00	400	Horizontal	Pass
1**	2097.227	35.55	68.2	32.65	AV	244.00	400	Horizontal	Pass
2	4814.294	52.00	74.0	22.00	Peak	51.00	100	Horizontal	Pass
2**	4814.294	39.43	54.0	14.57	AV	51.00	100	Horizontal	Pass
3	4901.233	49.83	74.0	24.17	Peak	44.00	200	Horizontal	Pass
3**	4901.233	40.55	54.0	13.45	AV	44.00	200	Horizontal	Pass
4	7954.956	51.44	88.2	36.76	Peak	85.00	200	Horizontal	Pass
4**	7954.956	42.97	68.2	25.23	AV	85.00	200	Horizontal	Pass
5	14441.888	53.30	88.2	34.90	Peak	198.00	100	Horizontal	Pass
5**	14441.888	44.00	68.2	24.20	AV	198.00	100	Horizontal	Pass
6	17431.065	55.46	88.2	32.74	Peak	190.00	200	Horizontal	Pass
6**	17431.065	47.97	68.2	20.23	AV	190.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.940	40.95	74.0	33.05	Peak	246.00	100	Vertical	Pass
1**	1528.940	29.90	54.0	24.10	AV	246.00	100	Vertical	Pass
2	2333.106	45.24	74.0	28.76	Peak	252.00	300	Vertical	Pass
2**	2333.106	32.80	54.0	21.20	AV	252.00	300	Vertical	Pass
3	4901.476	49.02	74.0	24.98	Peak	61.00	200	Vertical	Pass
3**	4901.476	39.55	54.0	14.45	AV	61.00	200	Vertical	Pass
4	7331.116	50.87	74.0	23.13	Peak	136.00	300	Vertical	Pass
4**	7331.116	46.21	54.0	7.79	AV	136.00	300	Vertical	Pass
5	12486.826	50.11	74.0	23.89	Peak	247.00	300	Vertical	Pass
5**	12486.826	46.91	54.0	7.09	AV	247.00	300	Vertical	Pass
6	15693.344	53.98	74.0	20.02	Peak	119.00	100	Vertical	Pass
6**	15693.344	41.89	54.0	12.11	AV	119.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2098.852	42.03	88.2	46.17	Peak	154.00	300	Horizontal	Pass
1**	2098.852	34.87	68.2	33.33	AV	154.00	300	Horizontal	Pass
2	4812.090	48.06	74.0	25.94	Peak	50.00	300	Horizontal	Pass
2**	4812.090	42.17	54.0	11.83	AV	50.00	300	Horizontal	Pass
3	4896.594	47.62	74.0	26.38	Peak	313.00	200	Horizontal	Pass
3**	4896.594	40.60	54.0	13.40	AV	313.00	200	Horizontal	Pass
4	7956.512	52.94	88.2	35.26	Peak	251.00	400	Horizontal	Pass
4**	7956.512	46.84	68.2	21.36	AV	251.00	400	Horizontal	Pass
5	14444.825	53.60	88.2	34.60	Peak	47.00	300	Horizontal	Pass
5**	14444.825	47.03	68.2	21.17	AV	47.00	300	Horizontal	Pass
6	17437.732	56.13	88.2	32.07	Peak	24.00	300	Horizontal	Pass
6**	17437.732	47.20	68.2	21.00	AV	24.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.291	41.47	74.0	32.53	Peak	180.00	300	Vertical	Pass
1**	1533.291	26.14	54.0	27.86	AV	180.00	300	Vertical	Pass
2	2333.613	44.77	74.0	29.23	Peak	307.00	100	Vertical	Pass
2**	2333.613	35.27	54.0	18.73	AV	307.00	100	Vertical	Pass
3	4899.247	49.46	74.0	24.54	Peak	305.00	200	Vertical	Pass
3**	4899.247	42.54	54.0	11.46	AV	305.00	200	Vertical	Pass
4	7326.931	50.65	74.0	23.35	Peak	0.00	100	Vertical	Pass
4**	7326.931	41.56	54.0	12.44	AV	0.00	100	Vertical	Pass
5	12489.811	55.50	74.0	18.50	Peak	2.00	300	Vertical	Pass
5**	12489.811	43.79	54.0	10.21	AV	2.00	300	Vertical	Pass
6	15687.541	53.53	74.0	20.47	Peak	129.00	400	Vertical	Pass
6**	15687.541	42.98	54.0	11.02	AV	129.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.150	44.42	88.2	43.78	Peak	52.00	200	Horizontal	Pass
1**	2095.150	34.28	68.2	33.92	AV	52.00	200	Horizontal	Pass
2	4815.421	47.02	74.0	26.98	Peak	96.00	100	Horizontal	Pass
2**	4815.421	38.83	54.0	15.17	AV	96.00	100	Horizontal	Pass
3	4898.699	52.48	74.0	21.52	Peak	175.00	200	Horizontal	Pass
3**	4898.699	41.58	54.0	12.42	AV	175.00	200	Horizontal	Pass
4	7952.680	56.30	88.2	31.90	Peak	334.00	300	Horizontal	Pass
4**	7952.680	45.52	68.2	22.68	AV	334.00	300	Horizontal	Pass
5	14440.465	57.44	88.2	30.76	Peak	125.00	300	Horizontal	Pass
5**	14440.465	45.46	68.2	22.74	AV	125.00	300	Horizontal	Pass
6	17432.122	52.47	88.2	35.73	Peak	156.00	200	Horizontal	Pass
6**	17432.122	48.01	68.2	20.19	AV	156.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.708	41.17	74.0	32.83	Peak	273.00	400	Vertical	Pass
1**	1531.708	31.13	54.0	22.87	AV	273.00	400	Vertical	Pass
2	2331.924	45.52	74.0	28.48	Peak	164.00	300	Vertical	Pass
2**	2331.924	37.09	54.0	16.91	AV	164.00	300	Vertical	Pass
3	4897.479	49.80	74.0	24.20	Peak	260.00	200	Vertical	Pass
3**	4897.479	40.28	54.0	13.72	AV	260.00	200	Vertical	Pass
4	7329.082	54.64	74.0	19.36	Peak	60.00	300	Vertical	Pass
4**	7329.082	46.30	54.0	7.70	AV	60.00	300	Vertical	Pass
5	12484.628	54.14	74.0	19.86	Peak	120.00	400	Vertical	Pass
5**	12484.628	42.75	54.0	11.25	AV	120.00	400	Vertical	Pass
6	15693.817	55.64	74.0	18.36	Peak	181.00	200	Vertical	Pass
6**	15693.817	42.47	54.0	11.53	AV	181.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.489	41.57	88.2	46.63	Peak	292.00	200	Horizontal	Pass
1**	2095.489	33.27	68.2	34.93	AV	292.00	200	Horizontal	Pass
2	4812.323	51.29	74.0	22.71	Peak	206.00	300	Horizontal	Pass
2**	4812.323	42.47	54.0	11.53	AV	206.00	300	Horizontal	Pass
3	4901.564	47.61	74.0	26.39	Peak	191.00	200	Horizontal	Pass
3**	4901.564	36.75	54.0	17.25	AV	191.00	200	Horizontal	Pass
4	7950.783	52.57	88.2	35.63	Peak	225.00	400	Horizontal	Pass
4**	7950.783	45.95	68.2	22.25	AV	225.00	400	Horizontal	Pass
5	14442.448	56.69	88.2	31.51	Peak	289.00	200	Horizontal	Pass
5**	14442.448	45.84	68.2	22.36	AV	289.00	200	Horizontal	Pass
6	17434.594	55.73	88.2	32.47	Peak	271.00	300	Horizontal	Pass
6**	17434.594	47.23	68.2	20.97	AV	271.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1533.585	37.94	74.0	36.06	Peak	197.00	300	Vertical	Pass
1**	1533.585	30.02	54.0	23.98	AV	197.00	300	Vertical	Pass
2	2337.220	44.49	74.0	29.51	Peak	204.00	300	Vertical	Pass
2**	2337.220	35.85	54.0	18.15	AV	204.00	300	Vertical	Pass
3	4903.815	52.39	74.0	21.61	Peak	160.00	200	Vertical	Pass
3**	4903.815	37.14	54.0	16.86	AV	160.00	200	Vertical	Pass
4	7328.117	54.18	74.0	19.82	Peak	60.00	300	Vertical	Pass
4**	7328.117	43.09	54.0	10.91	AV	60.00	300	Vertical	Pass
5	12486.461	53.70	74.0	20.30	Peak	308.00	300	Vertical	Pass
5**	12486.461	45.57	54.0	8.43	AV	308.00	300	Vertical	Pass
6	15687.948	53.45	74.0	20.55	Peak	78.00	400	Vertical	Pass
6**	15687.948	46.86	54.0	7.14	AV	78.00	400	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2097.094	39.77	88.2	48.43	Peak	165.00	300	Horizontal	Pass
1**	2097.094	31.89	68.2	36.31	AV	165.00	300	Horizontal	Pass
2	4810.350	48.56	74.0	25.44	Peak	340.00	200	Horizontal	Pass
2**	4810.350	44.14	54.0	9.86	AV	340.00	200	Horizontal	Pass
3	4898.368	49.24	74.0	24.76	Peak	151.00	200	Horizontal	Pass
3**	4898.368	41.34	54.0	12.66	AV	151.00	200	Horizontal	Pass
4	7955.828	55.56	88.2	32.64	Peak	314.00	400	Horizontal	Pass
4**	7955.828	46.84	68.2	21.36	AV	314.00	400	Horizontal	Pass
5	14439.211	57.03	88.2	31.17	Peak	2.00	100	Horizontal	Pass
5**	14439.211	43.75	68.2	24.45	AV	2.00	100	Horizontal	Pass
6	17433.278	55.13	88.2	33.07	Peak	206.00	200	Horizontal	Pass
6**	17433.278	44.89	68.2	23.31	AV	206.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1530.083	41.56	74.0	32.44	Peak	235.00	100	Vertical	Pass
1**	1530.083	25.87	54.0	28.13	AV	235.00	100	Vertical	Pass
2	2334.483	42.72	74.0	31.28	Peak	91.00	400	Vertical	Pass
2**	2334.483	32.98	54.0	21.02	AV	91.00	400	Vertical	Pass
3	4898.700	50.74	74.0	23.26	Peak	173.00	200	Vertical	Pass
3**	4898.700	37.79	54.0	16.21	AV	173.00	200	Vertical	Pass
4	7329.541	56.21	74.0	17.79	Peak	182.00	200	Vertical	Pass
4**	7329.541	42.09	54.0	11.91	AV	182.00	200	Vertical	Pass
5	12485.391	51.85	74.0	22.15	Peak	174.00	400	Vertical	Pass
5**	12485.391	44.79	54.0	9.21	AV	174.00	400	Vertical	Pass
6	15695.233	54.82	74.0	19.18	Peak	208.00	300	Vertical	Pass
6**	15695.233	46.59	54.0	7.41	AV	208.00	300	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2095.539	44.62	88.2	43.58	Peak	241.00	300	Horizontal	Pass
1**	2095.539	32.64	68.2	35.56	AV	241.00	300	Horizontal	Pass
2	4814.499	46.52	74.0	27.48	Peak	18.00	400	Horizontal	Pass
2**	4814.499	38.54	54.0	15.46	AV	18.00	400	Horizontal	Pass
3	4902.949	48.02	74.0	25.98	Peak	68.00	200	Horizontal	Pass
3**	4902.949	38.19	54.0	15.81	AV	68.00	200	Horizontal	Pass
4	7951.195	54.83	88.2	33.37	Peak	124.00	400	Horizontal	Pass
4**	7951.195	43.59	68.2	24.61	AV	124.00	400	Horizontal	Pass
5	14445.383	54.86	88.2	33.34	Peak	16.00	400	Horizontal	Pass
5**	14445.383	45.29	68.2	22.91	AV	16.00	400	Horizontal	Pass
6	17432.741	54.85	88.2	33.35	Peak	165.00	400	Horizontal	Pass
6**	17432.741	44.81	68.2	23.39	AV	165.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1532.079	36.60	74.0	37.40	Peak	224.00	300	Vertical	Pass
1**	1532.079	26.76	54.0	27.24	AV	224.00	300	Vertical	Pass
2	2335.594	44.50	74.0	29.50	Peak	2.00	200	Vertical	Pass
2**	2335.594	36.92	54.0	17.08	AV	2.00	200	Vertical	Pass
3	4902.462	48.92	74.0	25.08	Peak	307.00	200	Vertical	Pass
3**	4902.462	38.49	54.0	15.51	AV	307.00	200	Vertical	Pass
4	7326.287	52.12	74.0	21.88	Peak	341.00	400	Vertical	Pass
4**	7326.287	46.57	54.0	7.43	AV	341.00	400	Vertical	Pass
5	12484.081	52.50	74.0	21.50	Peak	45.00	300	Vertical	Pass
5**	12484.081	43.56	54.0	10.44	AV	45.00	300	Vertical	Pass
6	15691.936	55.01	74.0	18.99	Peak	110.00	200	Vertical	Pass
6**	15691.936	43.44	54.0	10.56	AV	110.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2099.372	41.76	88.2	46.44	Peak	189.00	400	Horizontal	Pass
1**	2099.372	32.20	68.2	36.00	AV	189.00	400	Horizontal	Pass
2	4809.159	48.87	74.0	25.13	Peak	161.00	400	Horizontal	Pass
2**	4809.159	43.08	54.0	10.92	AV	161.00	400	Horizontal	Pass
3	4900.464	47.83	74.0	26.17	Peak	108.00	200	Horizontal	Pass
3**	4900.464	41.24	54.0	12.76	AV	108.00	200	Horizontal	Pass
4	7953.003	56.28	88.2	31.92	Peak	95.00	100	Horizontal	Pass
4**	7953.003	44.71	68.2	23.49	AV	95.00	100	Horizontal	Pass
5	14438.330	56.75	88.2	31.45	Peak	209.00	100	Horizontal	Pass
5**	14438.330	45.21	68.2	22.99	AV	209.00	100	Horizontal	Pass
6	17434.821	52.53	88.2	35.67	Peak	127.00	300	Horizontal	Pass
6**	17434.821	42.73	68.2	25.47	AV	127.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.857	41.24	74.0	32.76	Peak	44.00	200	Vertical	Pass
1**	1527.857	25.53	54.0	28.47	AV	44.00	200	Vertical	Pass
2	2336.685	47.38	74.0	26.62	Peak	331.00	200	Vertical	Pass
2**	2336.685	34.87	54.0	19.13	AV	331.00	200	Vertical	Pass
3	4900.376	52.91	74.0	21.09	Peak	84.00	200	Vertical	Pass
3**	4900.376	42.61	54.0	11.39	AV	84.00	200	Vertical	Pass
4	7329.382	52.02	74.0	21.98	Peak	81.00	300	Vertical	Pass
4**	7329.382	44.96	54.0	9.04	AV	81.00	300	Vertical	Pass
5	12489.354	52.01	74.0	21.99	Peak	49.00	200	Vertical	Pass
5**	12489.354	42.78	54.0	11.22	AV	49.00	200	Vertical	Pass
6	15693.348	54.56	74.0	19.44	Peak	55.00	200	Vertical	Pass
6**	15693.348	43.41	54.0	10.59	AV	55.00	200	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2097.325	44.29	88.2	43.91	Peak	354.00	200	Horizontal	Pass
1**	2097.325	31.07	68.2	37.13	AV	354.00	200	Horizontal	Pass
2	4813.338	48.54	74.0	25.46	Peak	65.00	300	Horizontal	Pass
2**	4813.338	42.01	54.0	11.99	AV	65.00	300	Horizontal	Pass
3	4902.690	48.86	74.0	25.14	Peak	279.00	200	Horizontal	Pass
3**	4902.690	37.97	54.0	16.03	AV	279.00	200	Horizontal	Pass
4	7953.865	54.15	88.2	34.05	Peak	81.00	100	Horizontal	Pass
4**	7953.865	45.90	68.2	22.30	AV	81.00	100	Horizontal	Pass
5	14439.589	53.94	88.2	34.26	Peak	312.00	300	Horizontal	Pass
5**	14439.589	48.13	68.2	20.07	AV	312.00	300	Horizontal	Pass
6	17435.403	53.03	88.2	35.17	Peak	172.00	400	Horizontal	Pass
6**	17435.403	45.28	68.2	22.92	AV	172.00	400	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1531.591	41.27	74.0	32.73	Peak	270.00	400	Vertical	Pass
1**	1531.591	29.55	54.0	24.45	AV	270.00	400	Vertical	Pass
2	2333.613	47.26	74.0	26.74	Peak	194.00	400	Vertical	Pass
2**	2333.613	38.12	54.0	15.88	AV	194.00	400	Vertical	Pass
3	4897.689	49.17	74.0	24.83	Peak	79.00	200	Vertical	Pass
3**	4897.689	37.88	54.0	16.12	AV	79.00	200	Vertical	Pass
4	7324.309	51.70	74.0	22.30	Peak	170.00	300	Vertical	Pass
4**	7324.309	42.88	54.0	11.12	AV	170.00	300	Vertical	Pass
5	12488.564	54.98	74.0	19.02	Peak	251.00	100	Vertical	Pass
5**	12488.564	42.92	54.0	11.08	AV	251.00	100	Vertical	Pass
6	15689.671	52.81	74.0	21.19	Peak	110.00	100	Vertical	Pass
6**	15689.671	46.40	54.0	7.60	AV	110.00	100	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
U-NII-8	802.11ax(HE20)(SU)	High	Pass
	802.11ax(HE40)(SU)	High	Pass
	802.11ax(HE80)(SU)	High	Pass

Note ¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ²: All antenna were pre tested, but only the worst case has been reported in this report.

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5913.934	56.99	88.2	31.21	Peak	330.00	100	Horizontal	Pass
1**	5913.934	45.42	68.2	22.78	AV	330.00	100	Horizontal	Pass
2	5925.000	52.56	88.2	35.64	Peak	112.00	200	Horizontal	Pass
2**	5925.000	43.55	68.2	24.65	AV	112.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5911.602	56.2	88.2	32.00	Peak	50.00	100	Horizontal	Pass
1**	5911.602	44.56	68.2	23.64	AV	50.00	100	Horizontal	Pass
2	5925.000	54.16	88.2	34.04	Peak	276.00	200	Horizontal	Pass
2**	5925.000	44.3	68.2	23.90	AV	276.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5913.727	55.38	88.2	32.82	Peak	12.00	100	Horizontal	Pass
1**	5913.727	47.24	68.2	20.96	AV	12.00	100	Horizontal	Pass
2	5925.000	53.26	88.2	34.94	Peak	270.00	200	Horizontal	Pass
2**	5925.000	45.35	68.2	22.85	AV	270.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	58.17	88.2	30.03	Peak	69.00	200	Horizontal	Pass
1**	7125.000	45.41	68.2	22.79	AV	69.00	200	Horizontal	Pass
2	7202.494	58.84	88.2	29.36	Peak	311.00	300	Horizontal	Pass
2**	7202.712	47.31	68.2	20.89	AV	311.00	300	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	54.48	88.2	33.72	Peak	121.00	100	Horizontal	Pass
1**	7125.000	45.54	68.2	22.66	AV	121.00	100	Horizontal	Pass
2	7200.950	57.95	88.2	30.25	Peak	67.00	200	Horizontal	Pass
2**	7200.512	47.79	68.2	20.41	AV	67.00	200	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7125.000	56.06	88.2	32.14	Peak	189.00	100	Horizontal	Pass
1**	7125.000	46.51	68.2	21.69	AV	189.00	100	Horizontal	Pass
2	7199.581	60.36	88.2	27.84	Peak	306.00	300	Horizontal	Pass
2**	7198.362	47.4	68.2	20.80	AV	306.00	300	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)

Test Data

U-NII-5 (5925 MHz to 6425 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11ax20	73	6315	6315	-69.65	0.97	-68.68	-62	Ceased	100%	90%	Pass
				-70.15	0.97	-69.18	-62	Minimal	/	/	/
				-82.00	0.97	-81.03	-62	Normal	/	/	/
11ax80	39	6145	6115	-70.23	0.97	-69.26	-62	Ceased	90%	90%	Pass
				-70.73	0.97	-69.76	-62	Minimal	/	/	/
				-82.00	0.97	-81.03	-62	Normal	/	/	/
			6145	-71.23	0.97	-70.26	-62	Ceased	90%	90%	Pass
				-71.73	0.97	-70.76	-62	Minimal	/	/	/
				-82.00	0.97	-81.03	-62	Normal	/	/	/
			6175	-71.25	0.97	-70.28	-62	Ceased	90%	90%	Pass
				-71.75	0.97	-70.78	-62	Minimal	/	/	/
				-82.00	0.97	-81.03	-62	Normal	/	/	/

U-NII-6 (6425 MHz to 6525 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11ax20	101	6455	6455	-69.43	-2.8	-72.23	-62	Ceased	100%	90%	Pass
				-69.93	-2.8	-72.73	-62	Minimal	/	/	/
				-82.00	-2.8	-84.80	-62	Normal	/	/	/
11ax80	100	6450	6420	-70.43	-2.8	-73.23	-62	Ceased	90%	90%	Pass
				-70.93	-2.8	-73.73	-62	Minimal	/	/	/
				-82.00	-2.8	-84.80	-62	Normal	/	/	/
			6450	-71.67	-2.8	-74.47	-62	Ceased	90%	90%	Pass
				-72.17	-2.8	-74.97	-62	Minimal	/	/	/
				-82.00	-2.8	-84.80	-62	Normal	/	/	/
			6480	-72.32	-2.8	-75.12	-62	Ceased	90%	90%	Pass
				-72.82	-2.8	-75.62	-62	Minimal	/	/	/
				-82.00	-2.8	-84.80	-62	Normal	/	/	/

U-NII-7 (6525 MHz to 6875 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11ax20	149	6695	6695	-69.70	-2.98	-72.68	-62	Ceased	100%	90%	Pass
				-70.20	-2.98	-73.18	-62	Minimal	/	/	/
				-82.00	-2.98	-84.98	-62	Normal	/	/	/
11ax80	151	6705	6675	-70.15	-2.98	-73.13	-62	Ceased	90%	90%	Pass
				-70.65	-2.98	-73.63	-62	Minimal	/	/	/
				-82.00	-2.98	-84.98	-62	Normal	/	/	/
			6705	-69.73	-2.98	-72.71	-62	Ceased	90%	90%	Pass
				-70.23	-2.98	-73.21	-62	Minimal	/	/	/
				-82.00	-2.98	-84.98	-62	Normal	/	/	/
			6735	-70.29	-2.98	-73.27	-62	Ceased	90%	90%	Pass
				-70.79	-2.98	-73.77	-62	Minimal	/	/	/
				-82.00	-2.98	-84.98	-62	Normal	/	/	/

U-NII-8 (6875 MHz to 7125 MHz)

Operation Mode	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected (AWGN) Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status	Detection Rate	Detection Limit	Test Result
11ax20	213	7015	7015	-70.21	-3.08	-73.29	-62	Ceased	100%	90%	Pass
				-70.71	-3.08	-73.79	-62	Minimal	/	/	/
				-82.00	-3.08	-85.08	-62	Normal	/	/	/
11ax80	199	6945	6915	-70.15	-3.08	-73.23	-62	Ceased	90%	90%	Pass
				-70.65	-3.08	-73.73	-62	Minimal	/	/	/
				-82.00	-3.08	-85.08	-62	Normal	/	/	/
			6945	-69.73	-3.08	-72.81	-62	Ceased	90%	90%	Pass
				-70.23	-3.08	-73.31	-62	Minimal	/	/	/
				-82.00	-3.08	-85.08	-62	Normal	/	/	/
			6975	-70.29	-3.08	-73.37	-62	Ceased	90%	90%	Pass
				-70.79	-3.08	-73.87	-62	Minimal	/	/	/
				-82.00	-3.08	-85.08	-62	Normal	/	/	/

A.7 In-Band Emissions

Note¹: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note²: All antenna were pre tested, but only the worst case has been reported in this report.

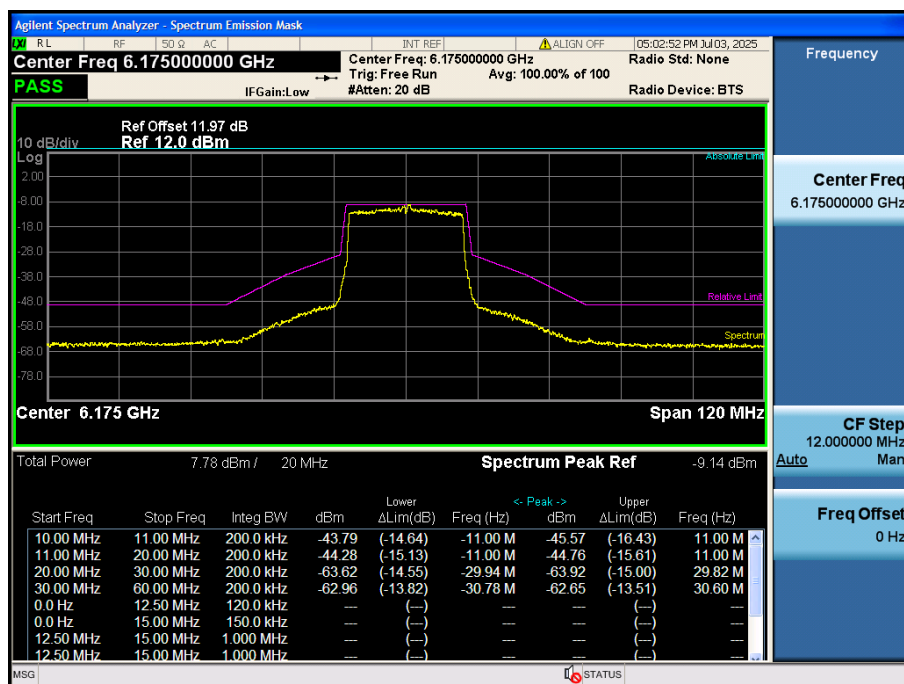
Test Plots

SISO-Antenna 2

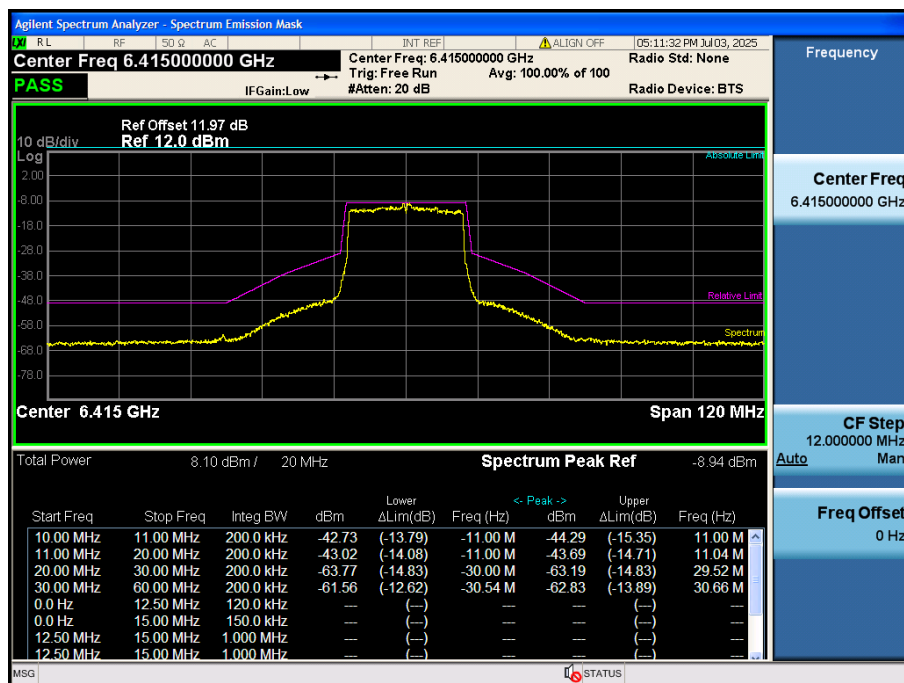
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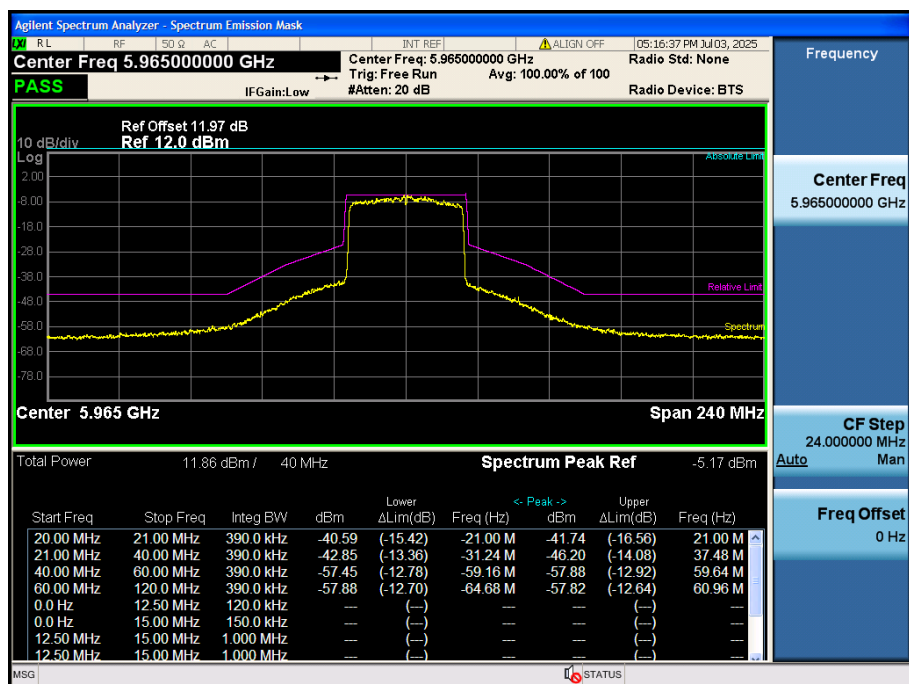
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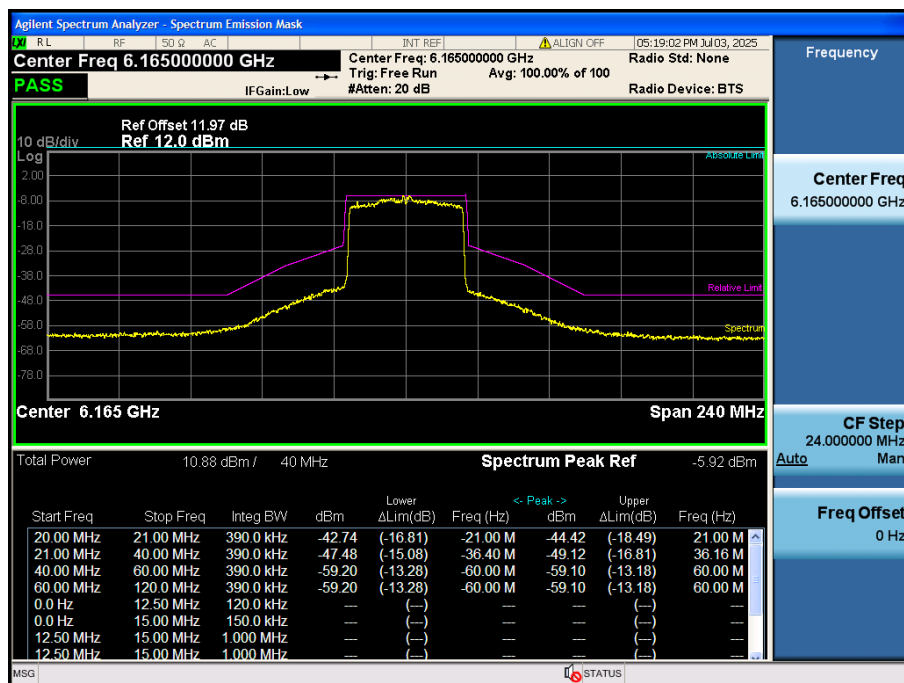
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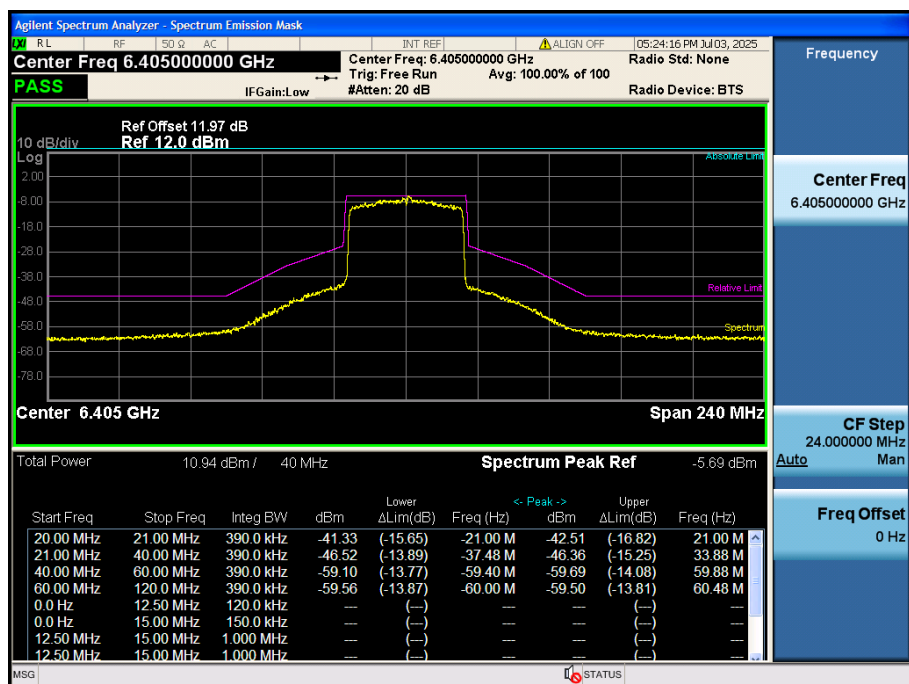
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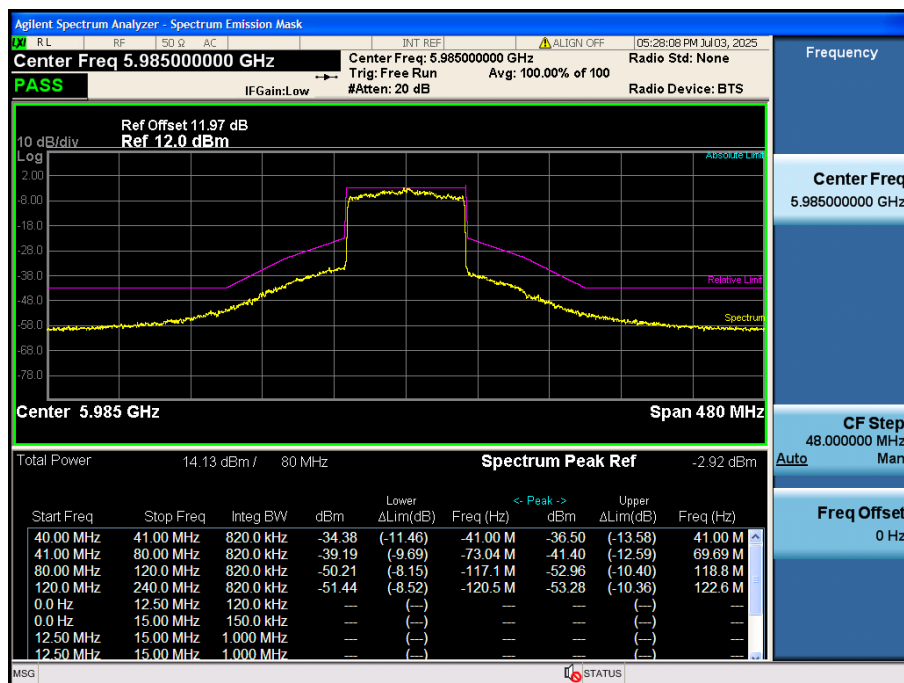
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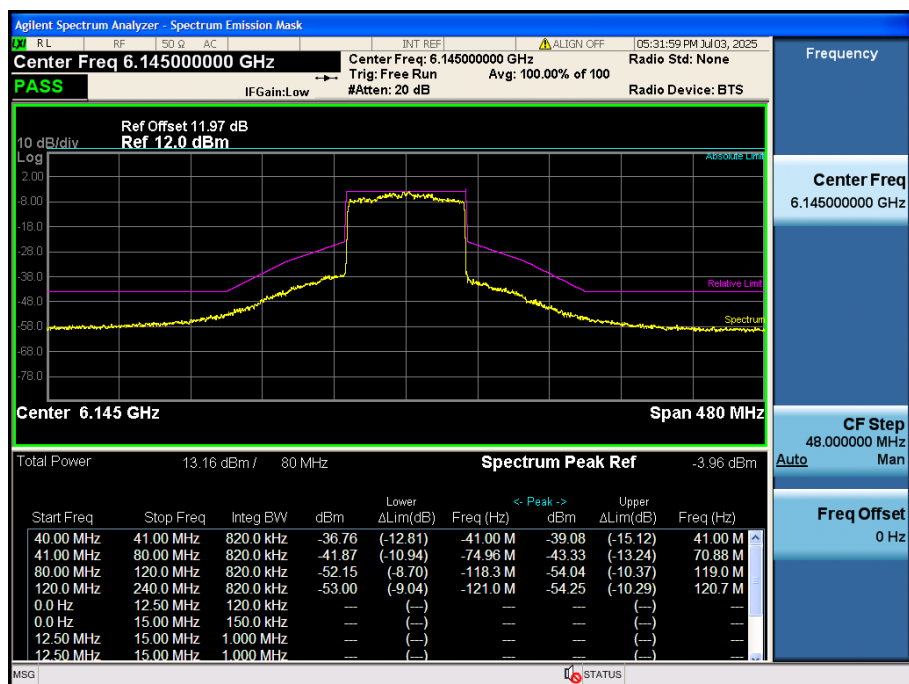
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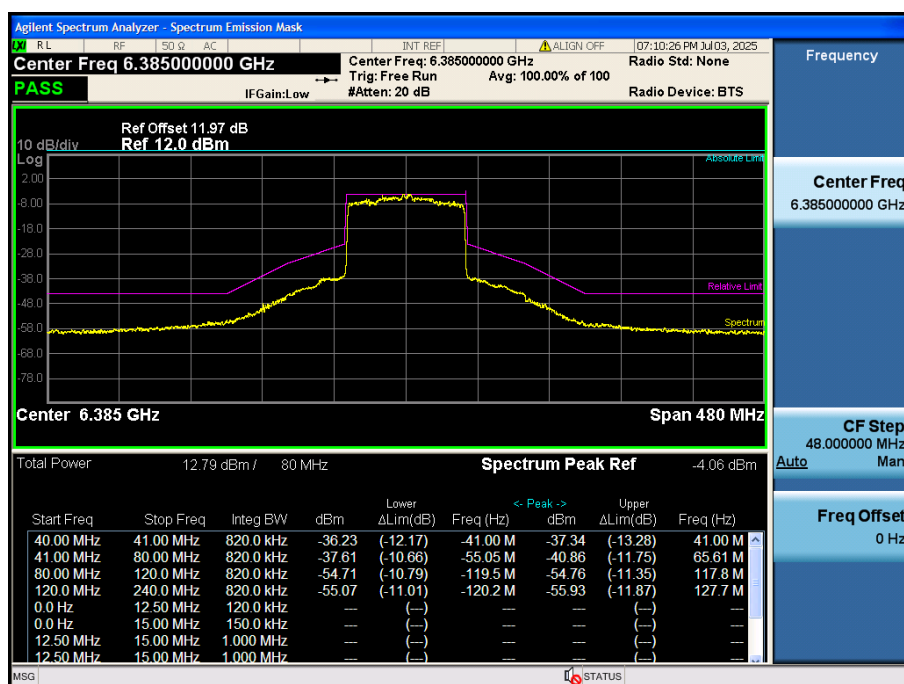
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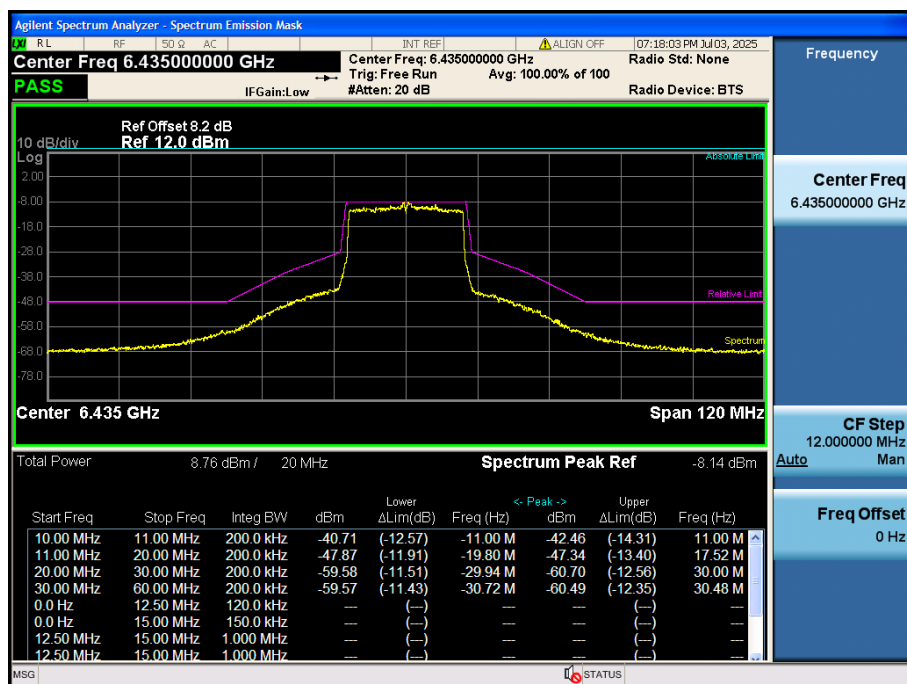
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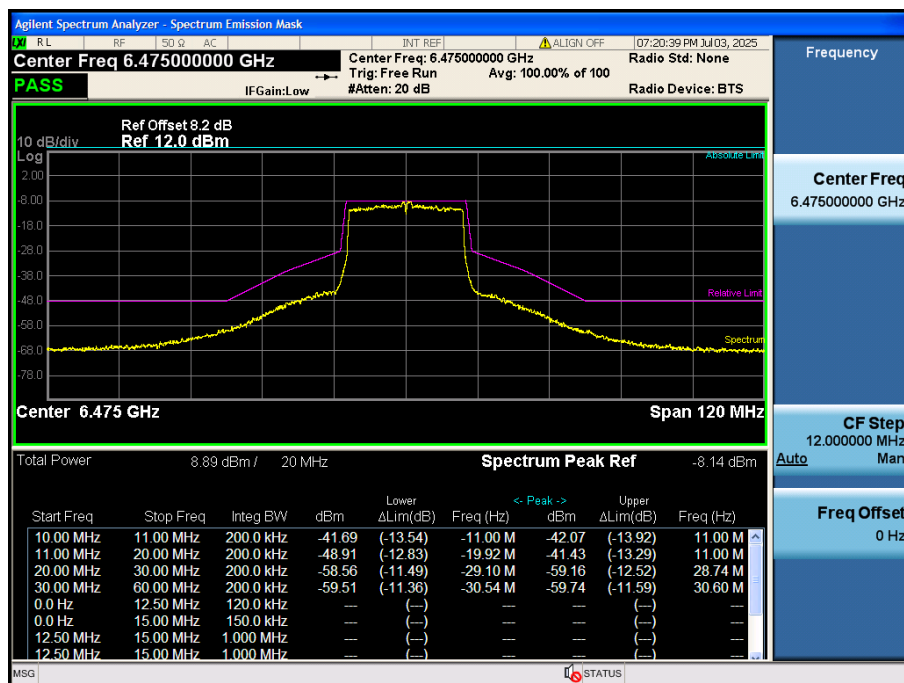
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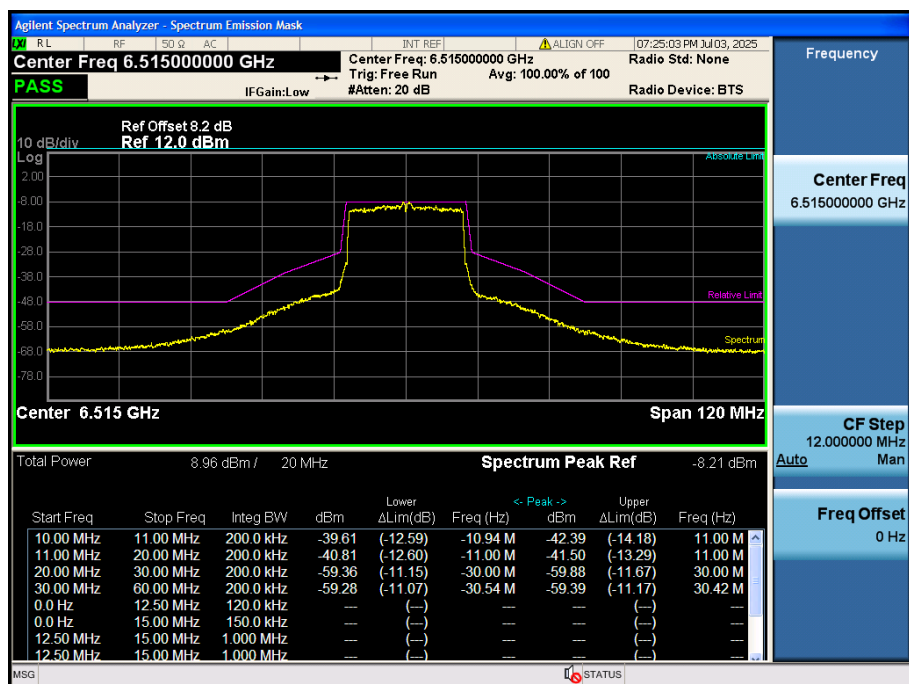
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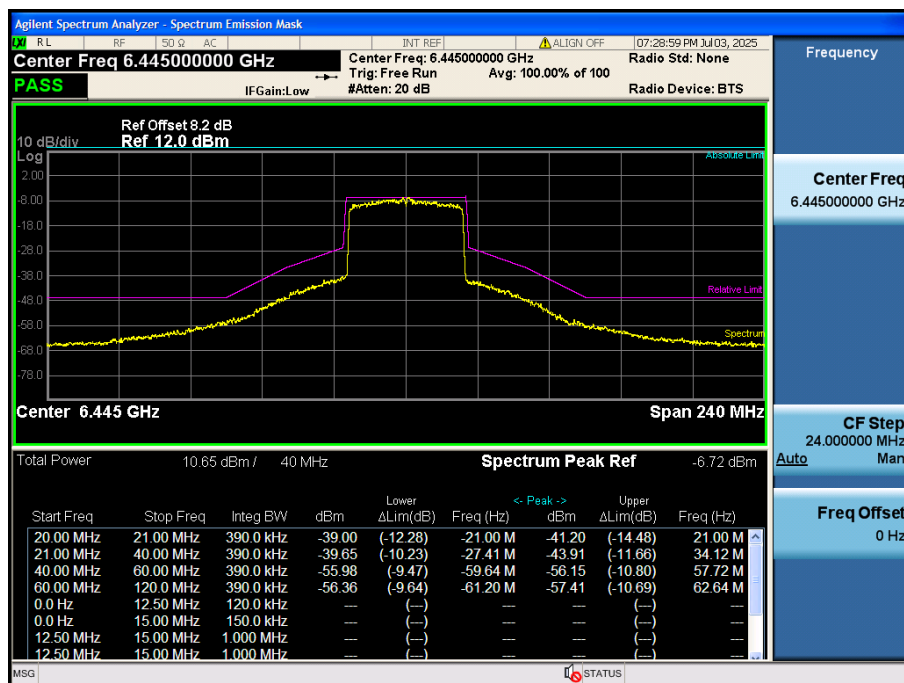
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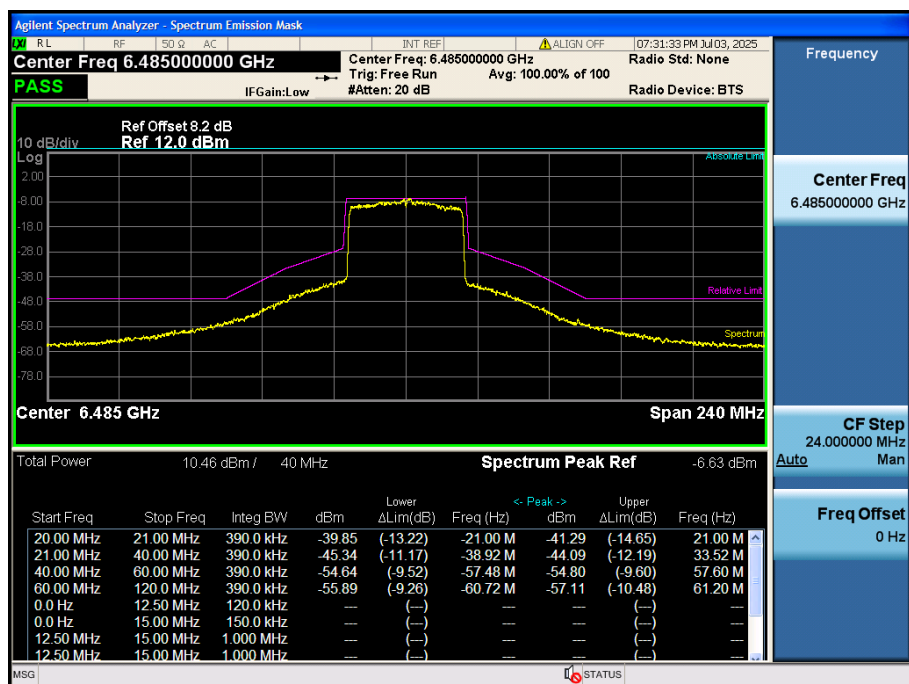
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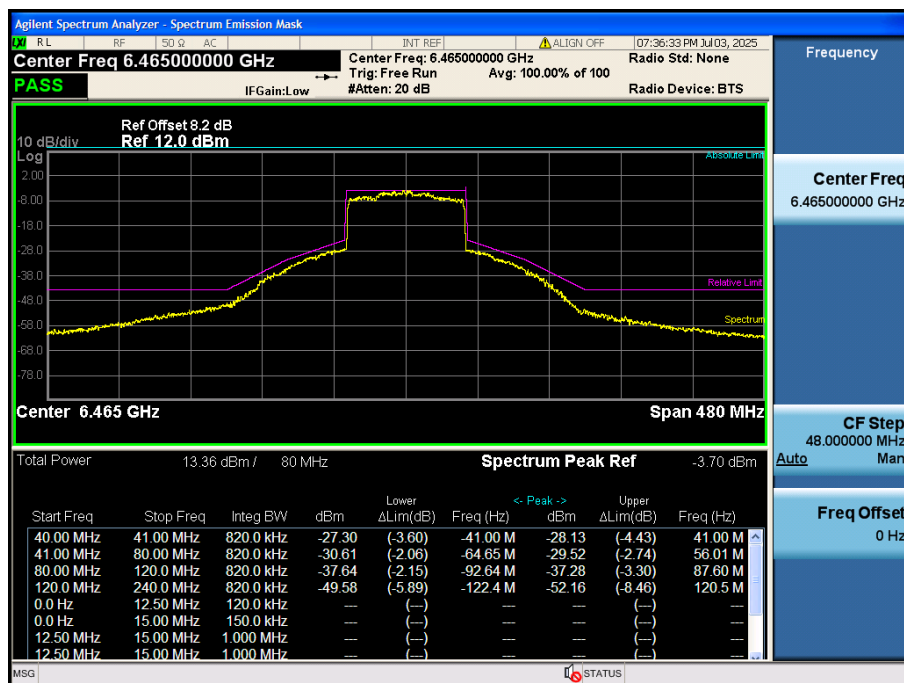
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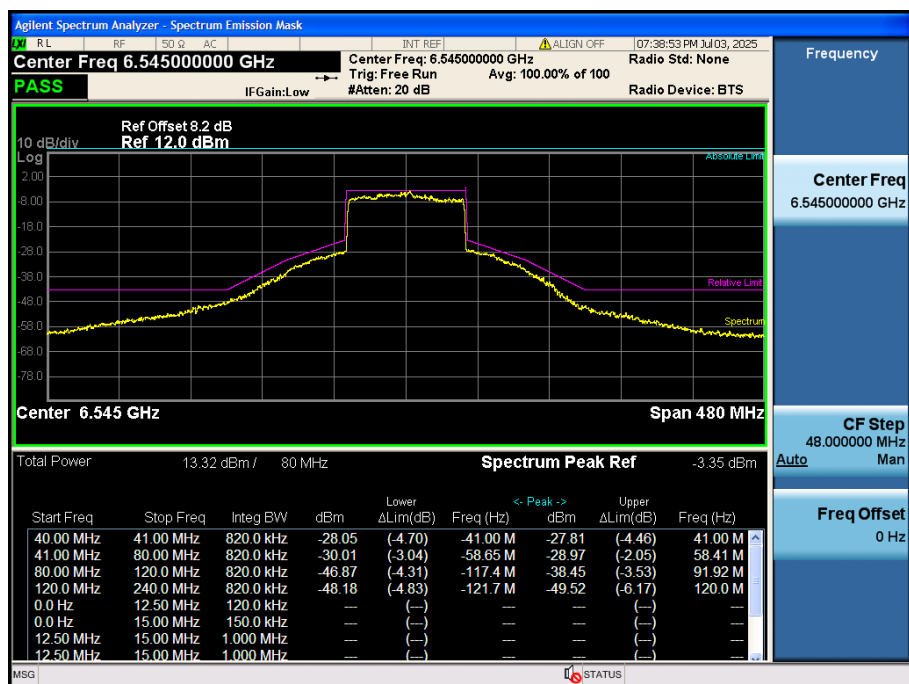
11ax40(SU), U-NII-6, High Channel



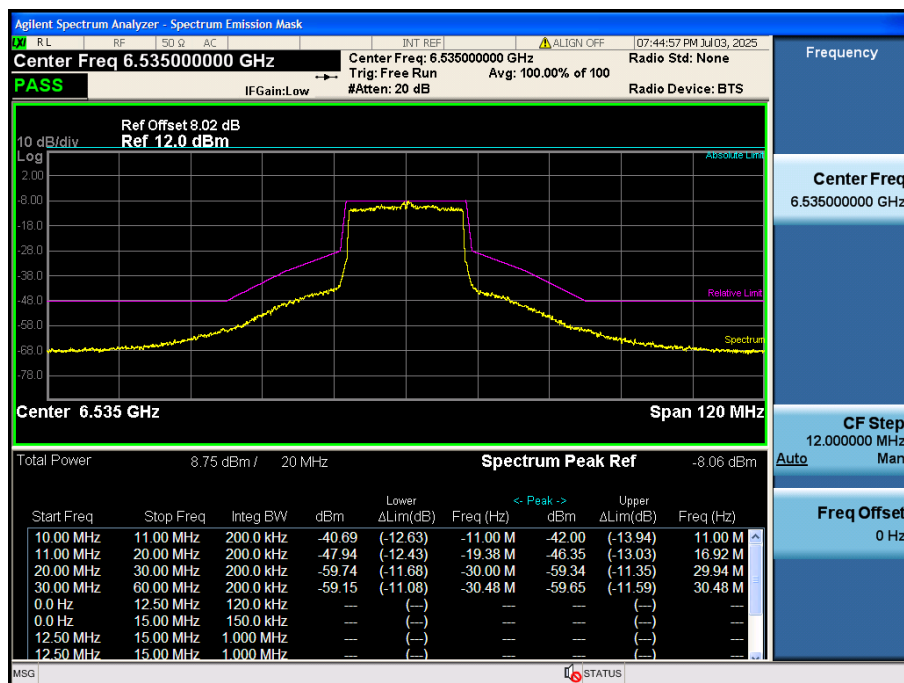
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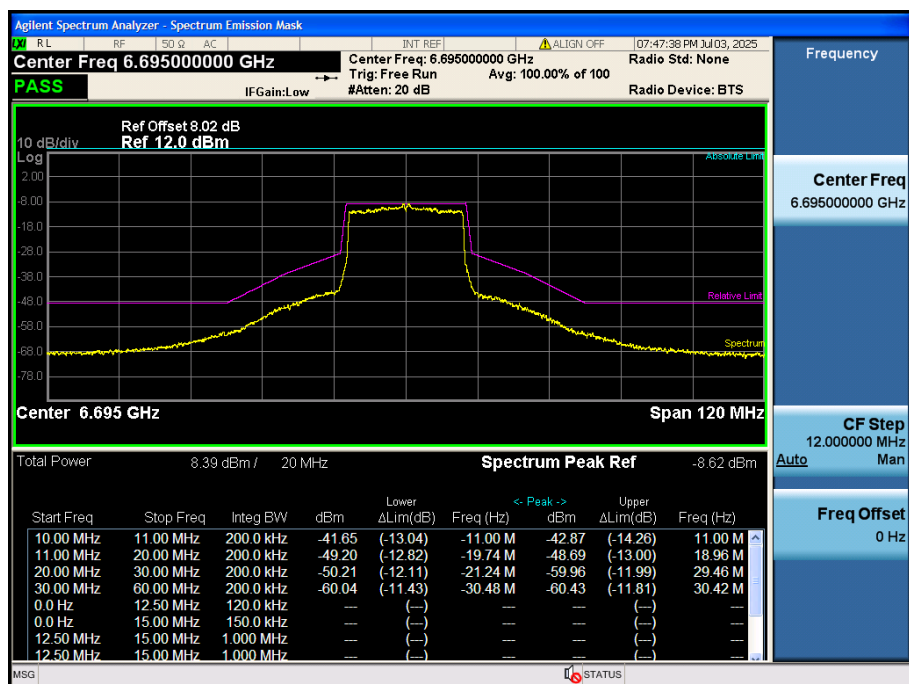
11ax80(SU), U-NII-6, High Channel



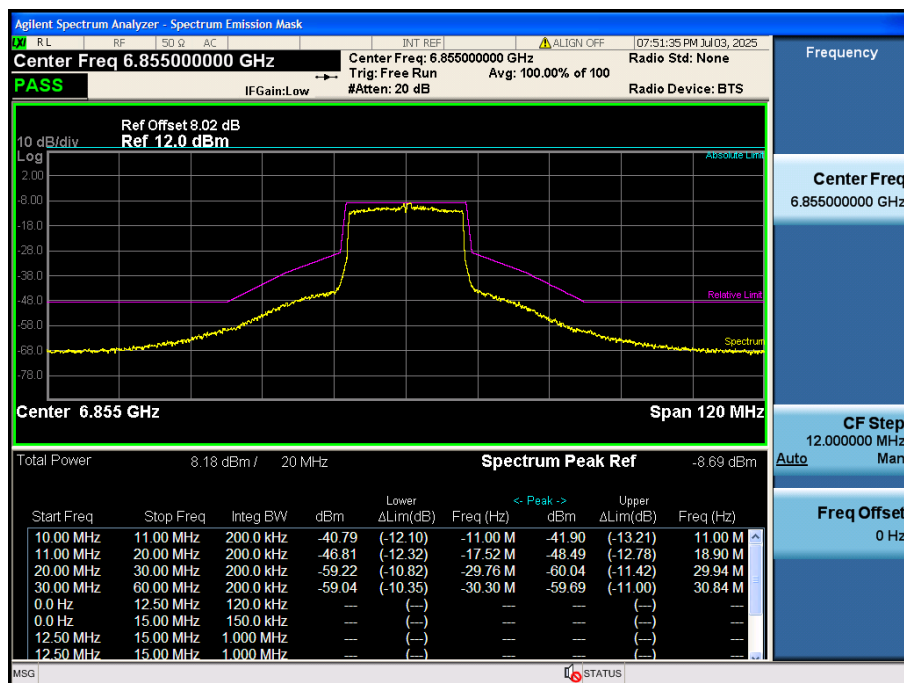
11ax20(SU), U-NII-7, Low Channel



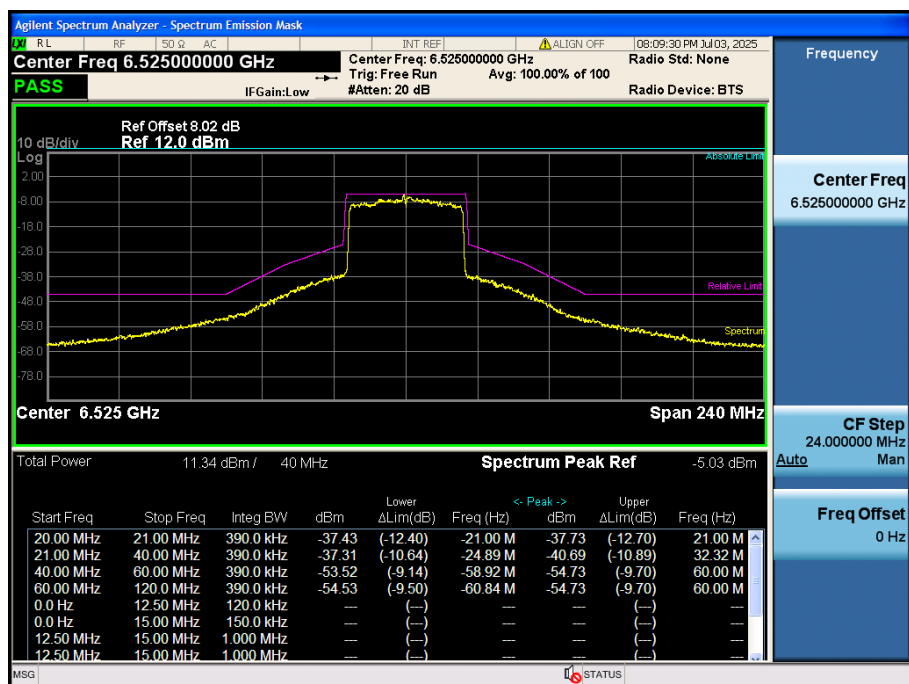
11ax20(SU), U-NII-7, Middle Channel



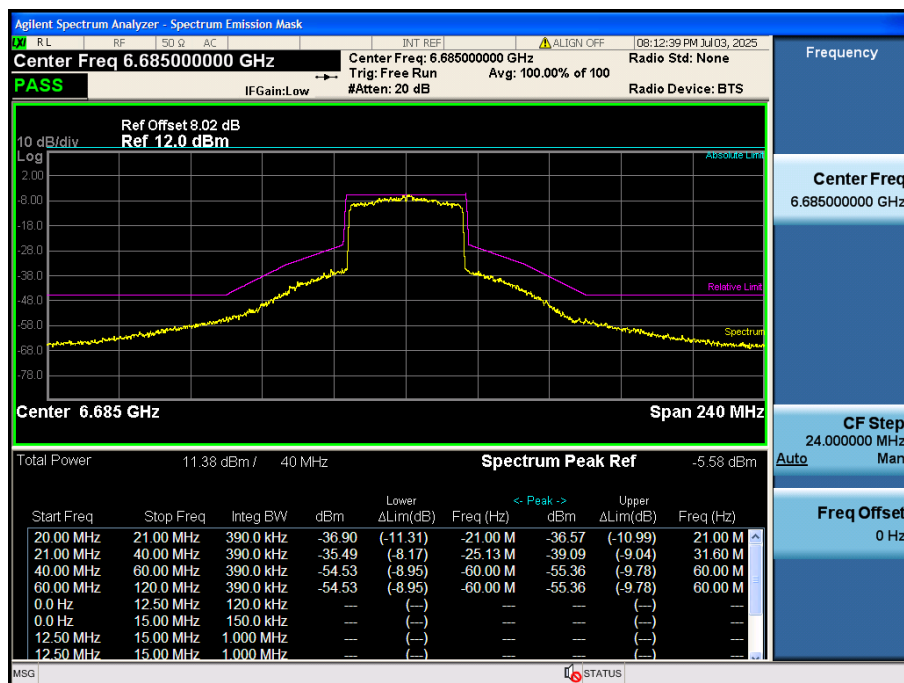
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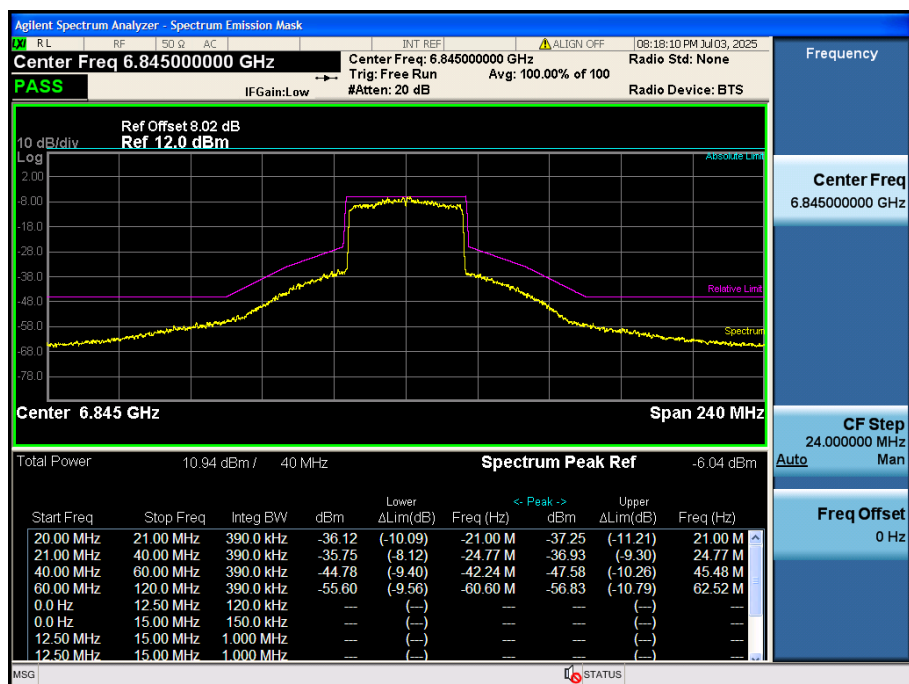
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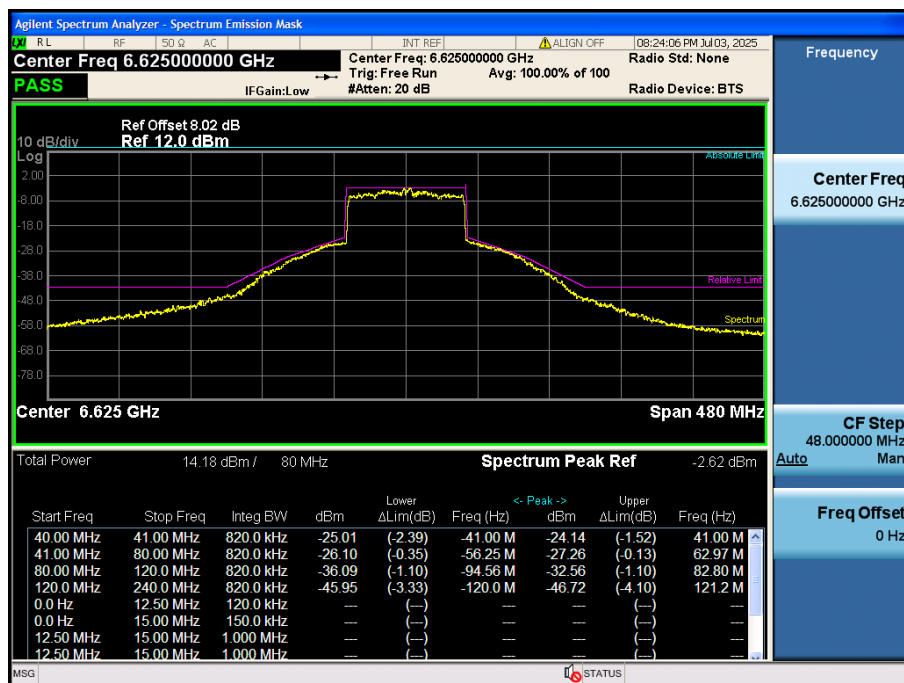
11ax40(SU), U-NII-7, Middle Channel



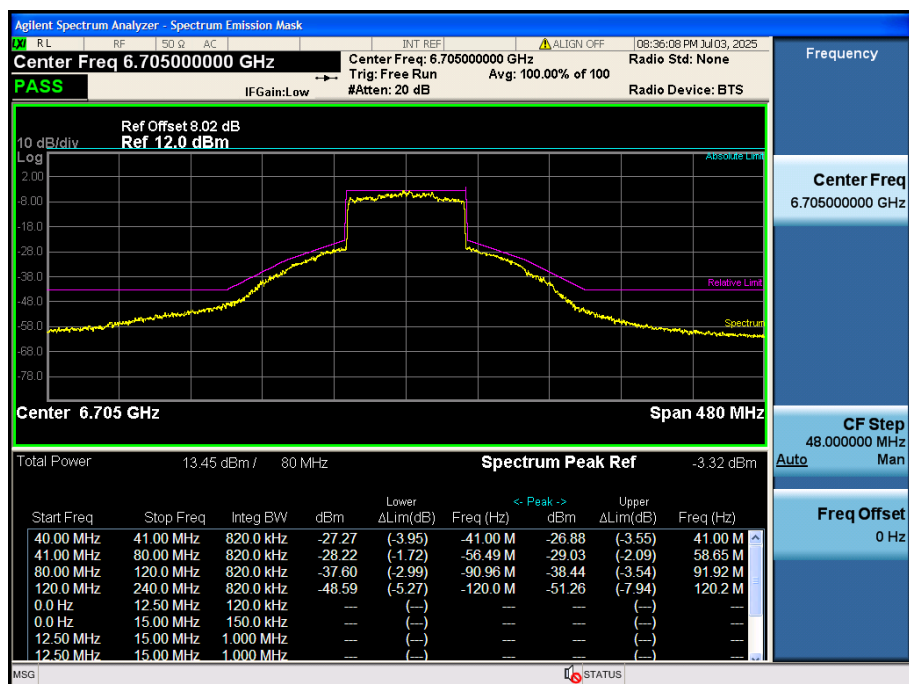
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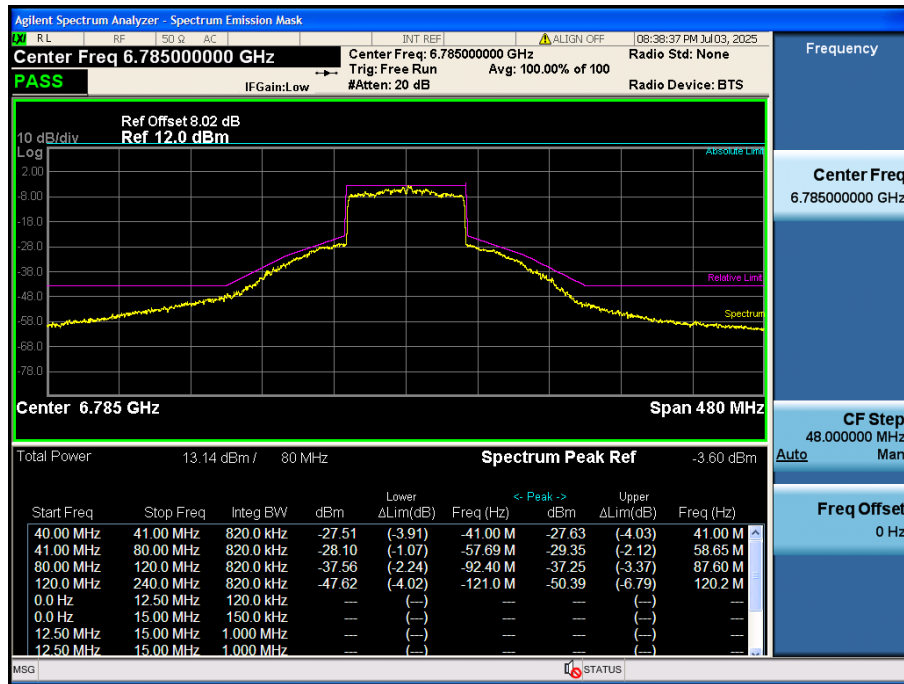
11ax80(SU), U-NII-7, Low Channel



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



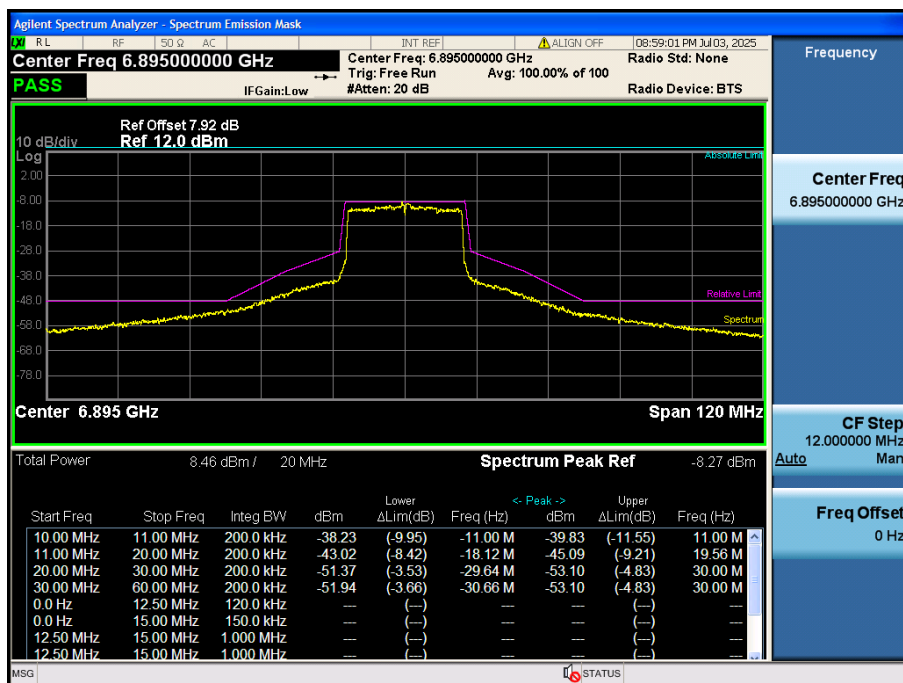
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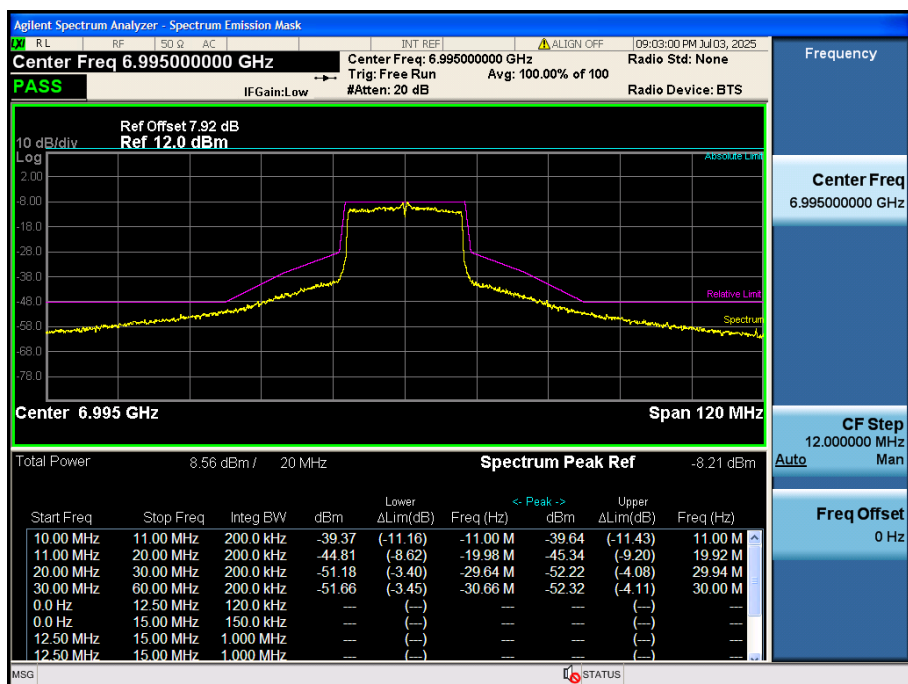
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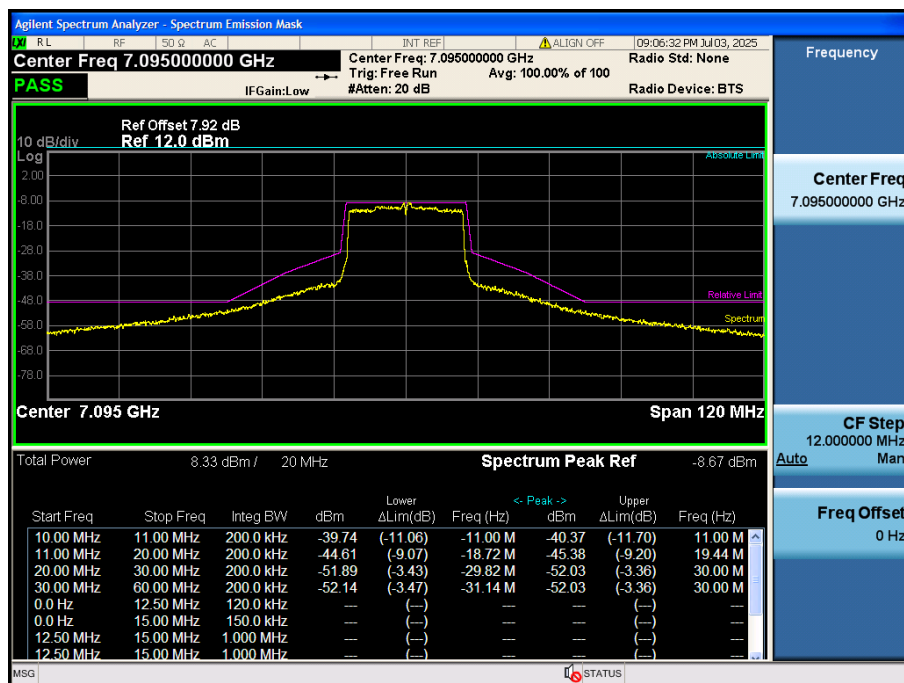
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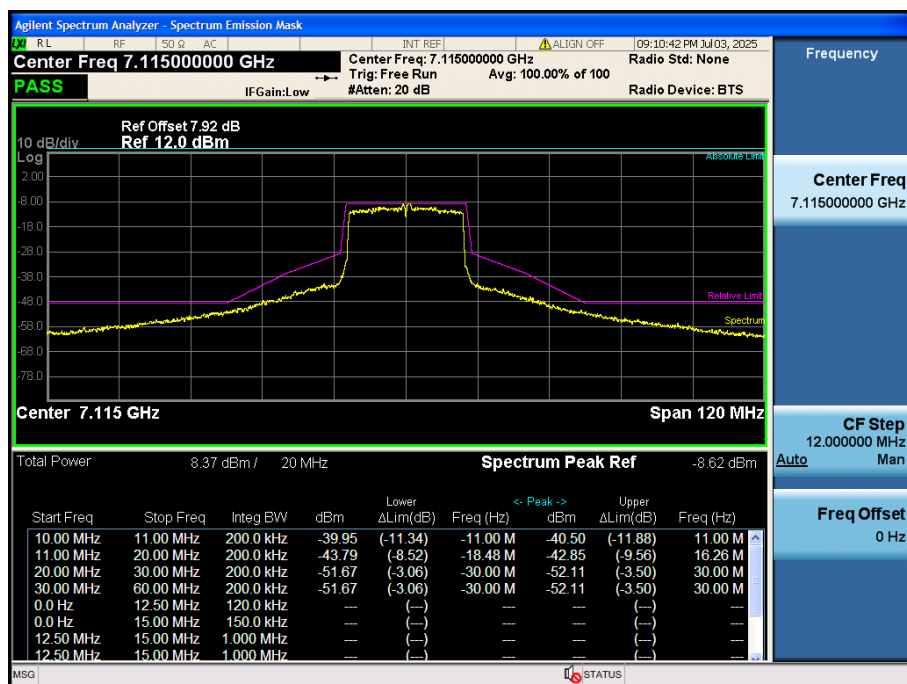
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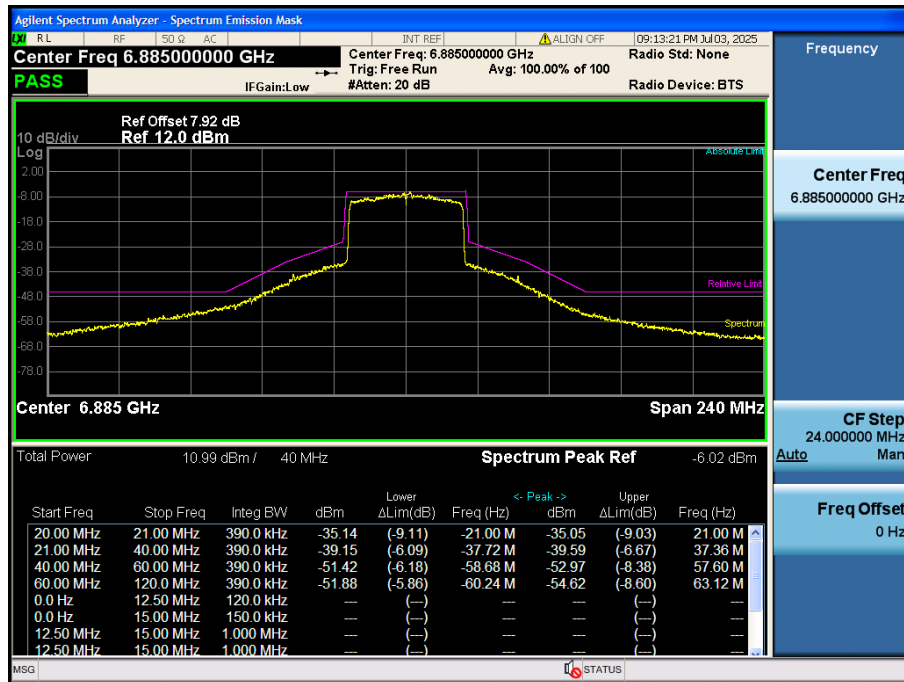
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11ax20(SU), U-NII-8, High Channel



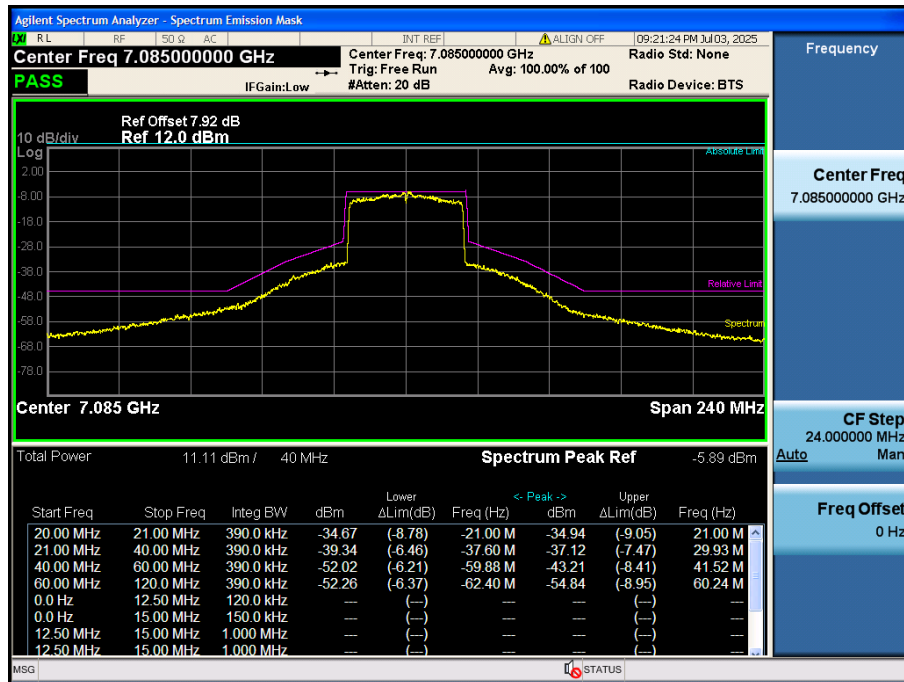
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11ax40(SU), U-NII-8, Middle Channel



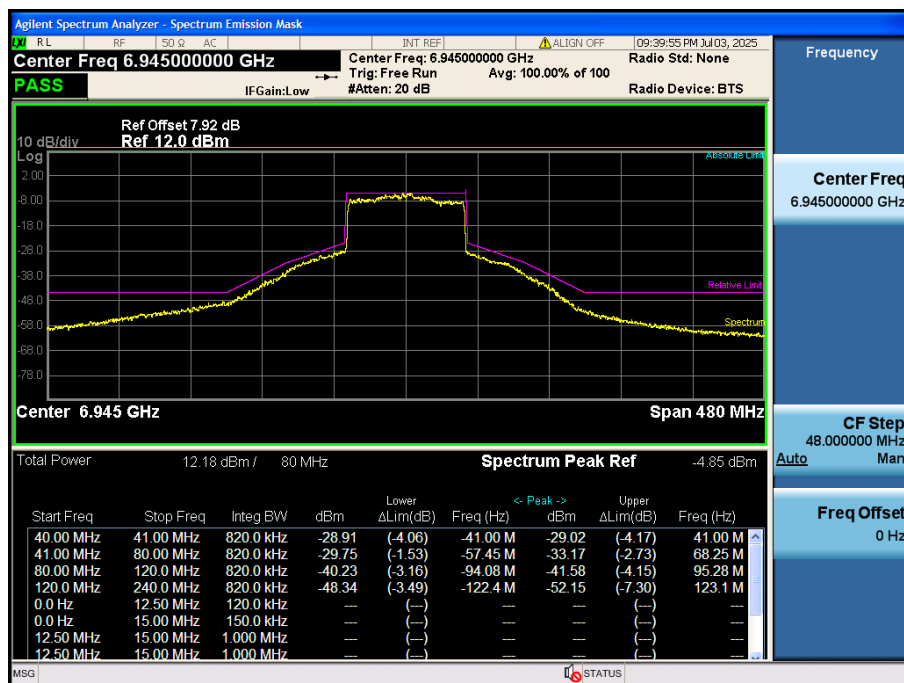
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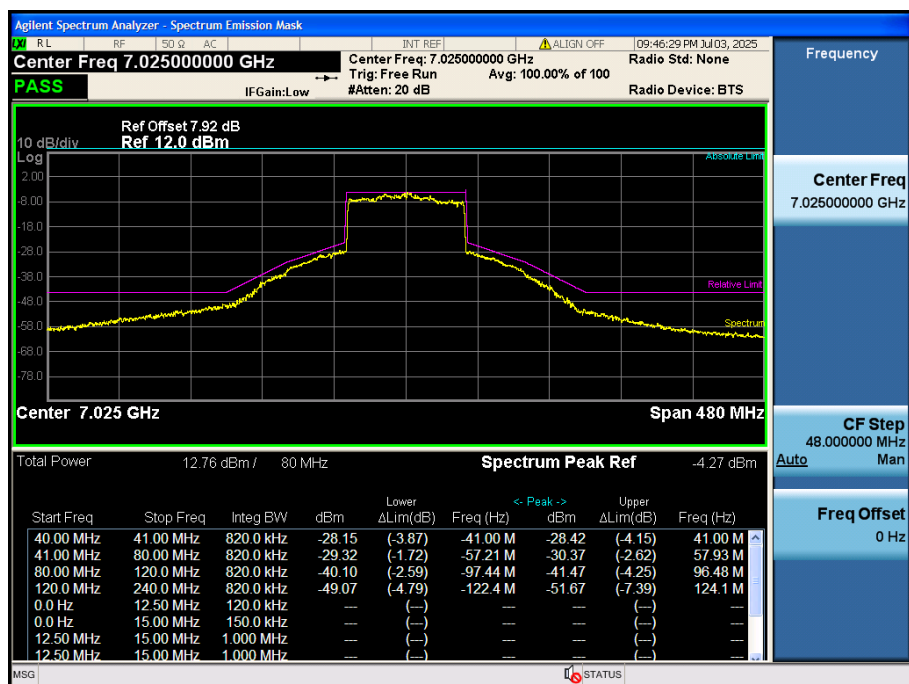
11ax80(SU), U-NII-8, Low Channel



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



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



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2580053-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2580053-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2580053-AI.PDF”.

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--END OF REPORT--