RF TEST REPORT

Report No.:	SET2021-06769
Product Name:	Mason Smartphone
FCC ID:	2AJZP-D215 PRO
Model No. :	D215 Pro
Applicant:	Mason America, Inc.
Address：	2101 4TH AVE STE 1550 SEATTLE, WA 98121-2316
Dates of Testing:	09/11/2021 —09/22/2021
Issued by:	CCIC Southern Testing Co., Ltd.
Lab Location:	Electronic Testing Building, No. 43 Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China. **Tel:** 86 755 26627338 **Fax:** 86 755 26627238

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Test Report

Product Name	:	Mason Smartphone
Brand Name	:	MASON
Trade Name	:	M MASON
Applicant	:	Mason America, Inc.
Applicant Address	:	2101 4TH AVE STE 1550 SEATTLE, WA 98121-2316
Manufacturer	:	Mason America, Inc.
Manufacturer Address	:	2101 4TH AVE STE 1550 SEATTLE, WA 98121-2316
Test Standards	:	47 CFR Part 15 Subpart E 15.407
Test Result	:	PASS

Tested by : Sun 2021.09.23

Sun, Test Engineer

Reviewed by : Chris You 2021.09.23

Chris You, Senior Engineer

Approved by : Shuangwen Zhang 2021.09.23

Shuangwen Zhang, Manager

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Change History		
Issue	Date	Reason for change
1.0	2021.09.23	First edition

1. General Information

1.1. EUT Description

EUT Type	Mason Smartphone
EUT supports Radios application	WLAN5.0GHz 802.11a/n (HT20/40)/ac(VHT20/40/80)
Product Type	Indoor
TPC	Not Support
Modulation Type	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM,16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n : up to 150 Mbps 802.11ac: up to 433.3Mbps
Frequency Range	Band UNII-1: 5150 ~ 5250MHz Band UNII-2a: 5250 ~ 5350MHz Band UNII-2c: 5500 ~ 5700MHz Band UNII-3: 5725 ~ 5850MHz
Channel Bandwidth	802.11a: 20MHz, 802.11n: 20MHz/40MHz 802.11ac: 20MHz/40MHz/80MHz
Antenna Type	Internal
Antenna Gain	2.5dBi
Output Power (Max.)	Band UNII-1: 15.43dBm Band UNII-2a: 14.75dBm Band UNII-2c: 16.74dBm Band UNII-3: 14.07dBm

Note: The antenna gain and RF adapter/cable insert loss provided by manufacture.

1.2. Test Standards and Results

The objective of the report is to perform testing according to below standards for the EUT FCC Certification:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E § 15.407	Radio Frequency Devices
2	789033 D02 General UNII Test Procedures New Rules v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

Test detailed items/section required by FCC rules and results are as below:

No.	FCC Rule	Description	Result
1	15.203	Antenna Requirement	PASS
2	15.407(a)	Maximum Conducted Output Power	PASS
3	15.407(a)	Emission Bandwidth(26 dB Bandwidth)	PASS
	15.407(e)	Emission Bandwidth(6 dB Bandwidth)	PASS
	-	Emission Bandwidth(99%)	PASS
4	15.407(a)	Power spectral density (PSD)	PASS
5	15.207	AC Power Line Conducted Emission	PASS
6	15.209 15.407(b)	Radiated Band Edges and Spurious Emission	PASS
7	15.407(g)	Frequency Stability	PASS

1.3. Channel List

Operated band in 5150 MHz ~ 5250MHz

4 channels are provided for 802.11a, 802.11n-HT20, and 802.11ac-VHT20

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n-HT40 and 802.11ac-VHT40

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel are provided for 802.11ac-VHT80

Channel	Frequency	Channel	Frequency
42	5210 MHz	/	/

Operated band in 5250 MHz ~ 5350MHz

4 channels are provided for 802.11a, 802.11n-HT20, and 802.11ac-VHT20

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n-HT40 and 802.11ac-VHT40

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel are provided for 802.11ac-VHT80

Channel	Frequency	Channel	Frequency
58	5290 MHz	/	/

Operated band in 5470 MHz ~ 5725MHz

11 channels are provided for 802.11a, 802.11n-HT20, and 802.11ac-VHT20

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

5 channels are provided for 802.11n-HT40 and 802.11ac-VHT40

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz		

1 channel are provided for 802.11ac-VHT80

Channel	Frequency	Channel	Frequency
106	5530 MHz	\	\

Operated band in 5725 MHz ~ 5850MHz

5 channels are provided for 802.11a

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz	/	/

2 channels are provided for 802.11n-HT40 and 802.11ac-VHT40

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel are provided for 802.11ac-VHT80

Channel	Frequency	Channel	Frequency
155	5775 MHz	/	/

1.4. Test environment and mode

Operating Environment	
Temperature	24℃
Humidity	57 % RH
Atmospheric Pressure	1010 mbar
Test mode：	
Continuously transmitting mode	Keeps the EUT in 100% duty cycle transmitting with modulation in SISO, duty cycle factor is not required.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

For Frequency band 5150 ~ 5250 MHz			
Mode	Modulation scheme / bandwidth		
	5180 MHz	5220 MHz	5240 MHz
802.11a	6 Mbps	6 Mbps	6 Mbps
802.11n/ac – HT20	MCS 0	MCS 0	MCS 0
Frequency	5190 MHz		5230 MHz
802.11n/ac – HT40	MCS 0		MCS 0
Frequency	5210 MHz		
802.11ac – VHT80	MCS 0		
For Frequency band 5250 ~ 5350 MHz			
Mode	Modulation scheme / bandwidth		
	5260 MHz	5300 MHz	5320 MHz
802.11a	6 Mbps	6 Mbps	6 Mbps
802.11n/ac – HT20	MCS 0	MCS 0	MCS 0
Frequency	5270 MHz		5310 MHz
802.11n/ac – HT40	MCS 0		MCS 0
Frequency	5290 MHz		
802.11ac – VHT80	MCS 0		

For Frequency band 5470 ~ 5725 MHz			
Mode	Modulation scheme / bandwidth		
	5500 MHz	5580 MHz	5700 MHz
802.11a	6 Mbps	6 Mbps	6 Mbps
802.11n/ac – HT20	MCS 0	MCS 0	MCS 0
Frequency	5510 MHz		5670 MHz
802.11n/ac – HT40	MCS 0		MCS 0
Frequency	5530 MHz		
802.11ac – VHT80	MCS 0		
For Frequency band 5725 ~ 5850 MHz			
Mode	Modulation scheme / bandwidth		
	5745 MHz	5785 MHz	5825 MHz
802.11a	6 Mbps	6 Mbps	6 Mbps
802.11n/ac – HT20	MCS 0	MCS 0	MCS 0
Frequency	5755 MHz		5795 MHz
802.11n/ac – HT40	MCS 0		MCS 0
Frequency	5775 MHz		
802.11ac – VHT80	MCS 0		

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation modes or test configuration modes mentioned above was evaluated respectively.

Pretest Test Mode	Description
Mode 1	TX A Mode / CH36, CH44, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH44, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC20 Mode / CH36, CH44, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 8	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 9	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 10	TX AC20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 11	TX AC40 Mode / CH54, CH62 (UNII-2A)
Mode 12	TX AC80 Mode (UNII-2A)
Mode 13	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 14	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)

Mode 15	TX N40 Mode / CH102, CH134 (UNII-2C)
Mode 16	TX AC20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 17	TX AC40 Mode / CH102, CH134 (UNII-2C)
Mode 18	TX AC80 Mode (UNII-2C)
Mode 19	TX A Mode / CH149, CH157, CH165 (UNII-3)
Mode 20	TX N20 Mode / CH149, CH157, CH165 (UNII-3)
Mode 21	TX N40 Mode / CH151, CH159 (UNII-3)
Mode 22	TX AC20 Mode / CH149, CH157, CH165 (UNII-3)
Mode 23	TX AC40 Mode / CH151, CH159 (UNII-3)
Mode 24	TX AC80 Mode / CH155 (UNII-3)
Mode 25	TX Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode
For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH44, CH48 (UNII-1)
Mode 2	TX AC20 Mode / CH36, CH44, CH48 (UNII-1)
Mode 3	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC80 Mode / CH42 (UNII-1)
Mode 5	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX AC20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 7	TX AC40 Mode / CH54, CH62 (UNII-2A)
Mode 8	TX AC80 Mode (UNII-2A)
Mode 9	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 10	TX AC20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 11	TX AC40 Mode / CH102, CH134 (UNII-2C)
Mode 12	TX AC80 Mode (UNII-2C)
Mode 13	TX A Mode / CH149, CH157, CH165 (UNII-3)
Mode 14	TX AC20 Mode / CH149, CH157, CH165 (UNII-3)
Mode 15	TX AC40 Mode / CH151, CH159 (UNII-3)
Mode 16	TX AC80 Mode / CH155 (UNII-3)

1.5. EUT Operation Test Setup

For RF test items, an engineering test program was provided and enable to make EUT transmitting.

1.6. Power level setup in software

Power level setup in software for 5G wifi			
UNII-1			
Frequency（MHz）	5180	5220	5240
A mode	15	15	15
Frequency（MHz）	5180	5220	5240
N20 mode	15	15	15
Frequency（MHz）	5190	5230	\
N40 mode	15	15	\
Frequency（MHz）	5180	5220	5240
AC20 mode	15	15	15
Frequency（MHz）	5190	5230	\
AC40 mode	15	15	\
Frequency（MHz）	5210	\	\
AC80 mode	15	\	\
Power level setup in software for 5G wifi			
UNII-2a			
Frequency（MHz）	5260	5300	5320
A mode	15	15	15
Frequency（MHz）	5260	5300	5320
N20 mode	15	15	15
Frequency（MHz）	5270	5310	\
N40 mode	15	15	\
Frequency（MHz）	5260	5300	5320
AC20 mode	15	15	15
Frequency（MHz）	5270	5310	\
AC40 mode	15	15	\
Frequency（MHz）	5290	\	\
AC80 mode	15	\	\

Power level setup in software for 5G wifi			
UNII-2C			
Frequency（MHz）	5500	5580	5700
A mode	14	14	14
Frequency（MHz）	5500	5580	5700
N20 mode	14	14	14
Frequency（MHz）	5510	5670	\
N40 mode	14	14	\
Frequency（MHz）	5500	5580	5700
AC20 mode	14	14	14
Frequency（MHz）	5510	5670	\
AC40 mode	14	14	\
Frequency（MHz）	5530		
AC80 mode	14		
Power level setup in software for 5G wifi			
UNII-3			
Frequency（MHz）	5745	5785	5825
A mode	13	13	13
Frequency（MHz）	5745	5785	5825
N20 mode	13	13	13
Frequency（MHz）	5755	5795	\
N40 mode	13	13	\
Frequency（MHz）	5745	5785	5825
AC20 mode	13	13	13
Frequency（MHz）	5755	5795	\
AC40 mode	13	13	\
Frequency（MHz）	5775	\	\
AC80 mode	13	\	\

1.7. Laboratory Facilities

CNAS-Lab Code: L1659

CCIC-SET is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

FCC-Registration No.: CN1283

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until April 19th, 2023.

ISED Registration: 11185A-1

CAB identifier: CN0064

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until April 19th, 2023.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

2. Test Requirements

2.1. Antenna requirement

2.1.1. Applicable Standard

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

And according to FCC 47 CFR Section 15.407(E), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

2.1.2. Antenna Information

Antenna Type	Internal
EUT	Mobile phone
Operating frequency range	UNII1/2a/2c/3
Antenna Gain	2.5dBi(Maximum)

2.1.3. Result: comply

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

2.2. Output Power

2.2.1. Limit of Output Power

FCC 15.407(a)

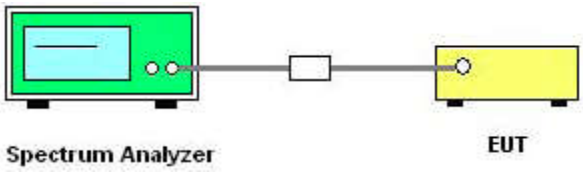
The maximum conducted output power should not exceed:

Band	EUT Category	Limit
U-NII-1	☐Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≤ 125mW(21dBm) at any elevation angle above 30 degrees as measured from the horizon)
	☐Fixed point-to-point Access device	1 Watt (30 dBm)
	☐Indoor Access Point	1 Watt (30 dBm)
	☒Mobile and portable client device	250mW (24 dBm)
U-NII-2A	☒	250mW (24 dBm) or 11dBm+10logB* Whichever is less.
U-NII-2C	☒	250mW (24 dBm) or 11dBm+10logB* Whichever is less.
U-NII-3	☒	1 Watt (30 dBm)
Note: B* is the 26 dB emission bandwidth in MHz.		

2.2.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.2.3. Test Setup



2.2.4. Test Procedures

1. The testing follows the Measurement Procedure of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1

2. The RF output of EUT was connected to spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

3. Set to the maximum power setting and enable the EUT transmit continuously.

4. Set RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector=average (RMS), Compute power by integrating the spectrum across the 99%OBW.
5. Measure the conducted output power and record the results in the test report.

2.2.5. Test Result

Please refer to APPENDIX A for detail

2.3. Emission Bandwidth

2.3.1. Limit of Bandwidth

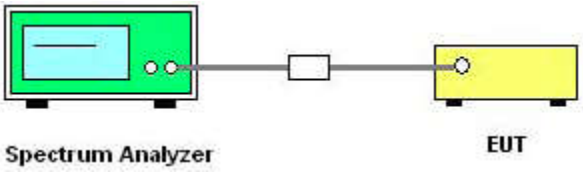
There is no limit bandwidth for bandU-NII-1, U-NII-2A and U-NII-2C.

The minimum of 6dB bandwidth measurement is 0.5 MHz for U-NII-3.

2.3.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.3.3. Test Setup



2.3.4. Test Procedures

1. The testing follows the Measurement Procedure of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

3. Set to the maximum power setting and enable the EUT transmit continuously.

4. For 26dB bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = approximately 1%EBW, VBW≥3RBW , Detector = Peak, Trace mode = max hold

Span ＞26 dB bandwidth and Sweep time = auto

5. Use the spectrum analyzer N dB down function to find the 26dB bandwidth.

6. For 6 Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) =100kHz VBW = 300 kHz, Detector = Peak, Trace mode = max hold

7. Use the spectrum analyzer N dB down function to find the 6dB bandwidth

8. Measure and record the worst results in the test report.

2.3.5. Test Results Bandwidth

Please refer to APPENDIX A for detail

2.4. Power spectral density (PSD)

2.4.1. Limit of Power Spectral Density

FCC 15.407(a)

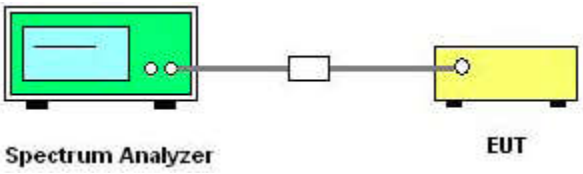
The maximum power spectral density should not exceed:

Band	EUT Category	Limit
U-NII-1	☐Access Point (Master device)	17 dBm/MHz
	☐Fixed point-to-point Access device	
	☒Mobile and portable client device	11 dBm/MHz
U-NII-2A	☒	11 dBm/MHz
U-NII-2C	☒	11 dBm/MHz
U-NII-3	☒	30dBm/500kHz

2.4.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.4.3. Test Setup



2.4.4. Test Procedures

1. Place the EUT on the table and set it in transmitting mode.

2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.

4. **For U-NII-1, U-NII-2A, U-NII-2C Band:**

Using method SA-1

Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = sample, traces 100 sweeps of averaging mode.

For U-NII-3 Band:

Set RBW=500 kHz, VBW≥ 3RBW, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = sample, traces 100 sweeps of averaging mode.

5.Use peak search function on the instrument to find the peak of the spectrum and record its value

6. Repeat above procedures until all default test channel (low, middle, and high) was complete.

2.4.5. Test Results of Power spectral density

Please refer to APPENDIX A for detail

2.5. Frequency Stability

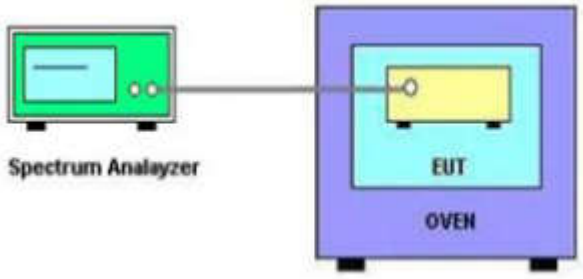
2.5.1. Limit

FCC 15.407(b) Frequency Stability	
Frequency Band(MHz)	Limit
5150~5250	Specified in the user's manual
5250~5350	
5470~5725	
5725~5850	

2.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.5.3. Test Setup



2.5.4. Test Procedures

1. The EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

2. Set to the maximum power setting and enable the EUT transmit continuously.

3. The EUT is installed in an environment test chamber with external power source.

4. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.

5. A sufficient stabilization period at each temperatures in used prior to each frequency measurement.

6. The test shall be performed under -10 to 55 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

7. Measure and record the worst results in the test report.

2.5.5. Test Results of Frequency Stability

Please refer to APPENDIX A for detail

2.6. Radiated Band Edge and Spurious Emission

2.6.1. Limit of Radiated Band Edges and Spurious Emission

Radiated emission which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequency (MHz)	Field Strength (μV/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 lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Applicable To	Limit	
789033 D02 General UNII Test Procedures New Rules V02r01	Field Strength at 3m	
	PK:74(dBμV/m)	AV:54 (dBμV/m)

Frequency Band (MHz)	Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (3m) (dBμV/m)
5150 - 5250	Outside of the 5.15~5.35 GHz	-27	68.2
5250 - 5350	Outside of the 5.15~5.35 GHz		
5470 -5725	Outside of the 5.47~5.725 GHz		

FCC 15.407			
Frequency Band (MHz)	Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (3m) (dBμV/m)
5725 - 5850	＜5650	-27	68.2
	5650~5700	-27~10	68.2~105.2
	5700~5720	10~15.6	105.2~110.8
	5720~5725	15.6~27	110.8~122.2
	5850~5855	27~15.6	122.2~110.8
	5855~5875	15.6~10	110.8~105.2
	5875~5925	10~-27	105.2~68.2
	＞5925	-27	68.2

Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

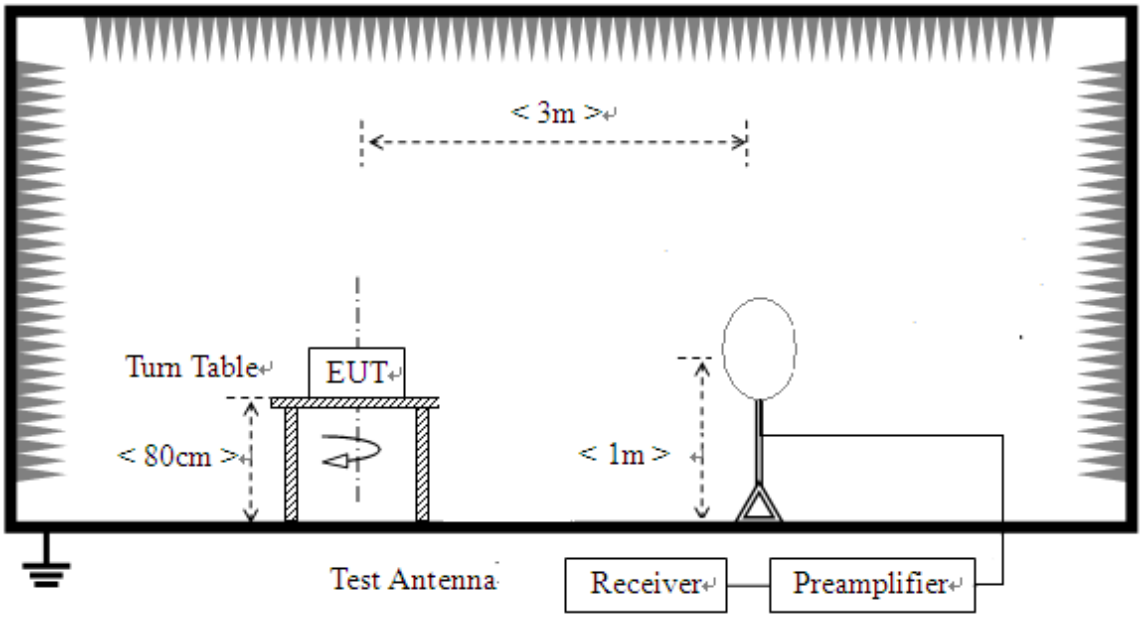
$$E = \frac{1000000\sqrt{30P}}{3}\ \mu V/m$$, where P is the eirp (Watts).

2.6.2. Measuring Instruments

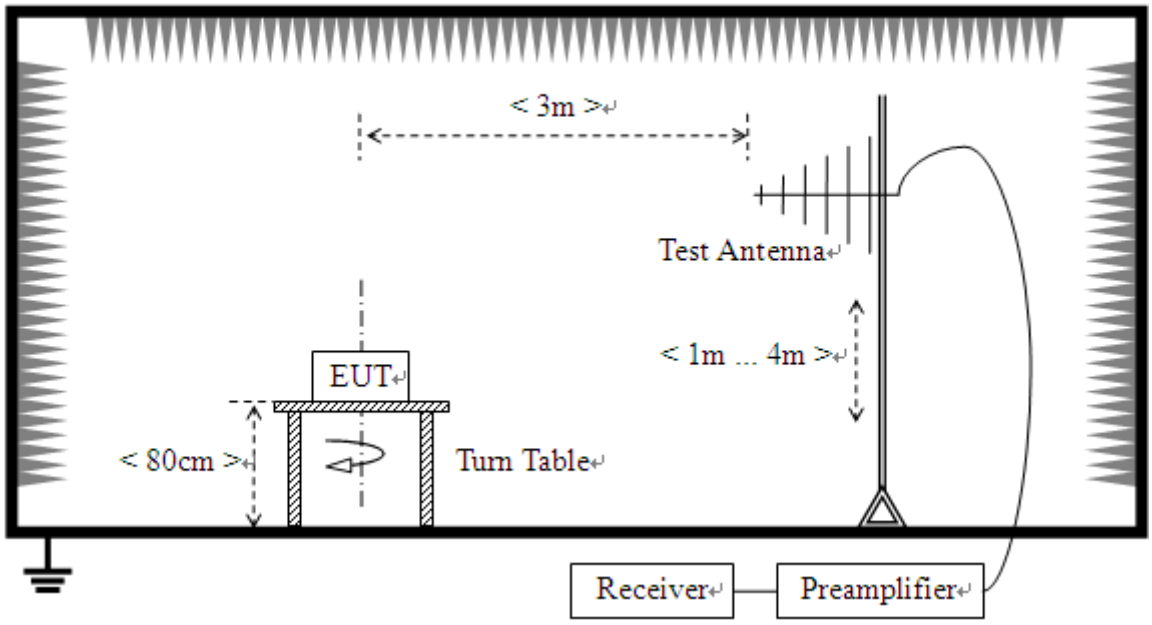
The measuring equipment is listed in the section 3 of this test report.

2.6.3. Test Setup

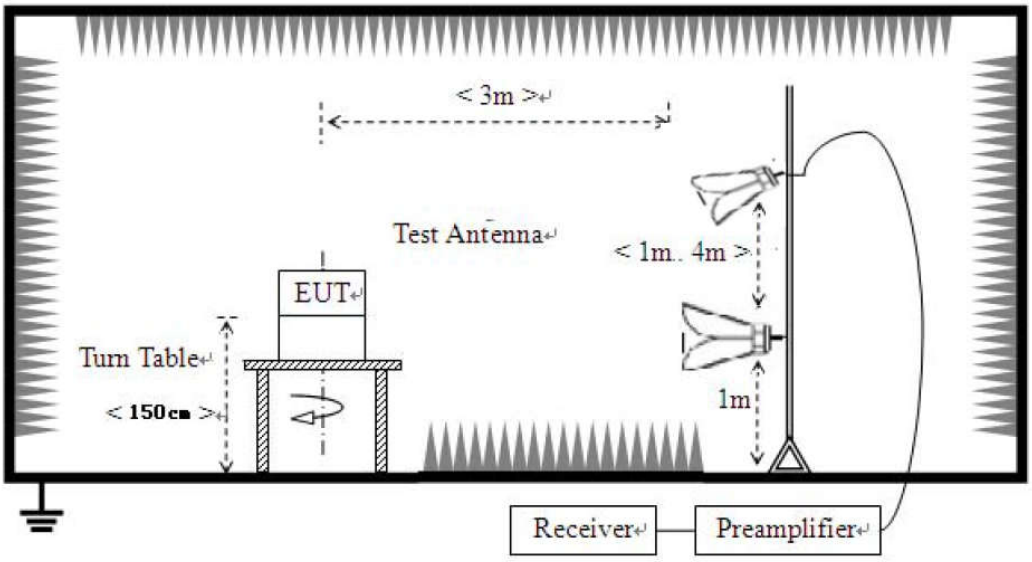
For radiated emissions from 9 KHz to 30 MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



2.6.4. Test Procedures

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
6. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

The worst mode as below:

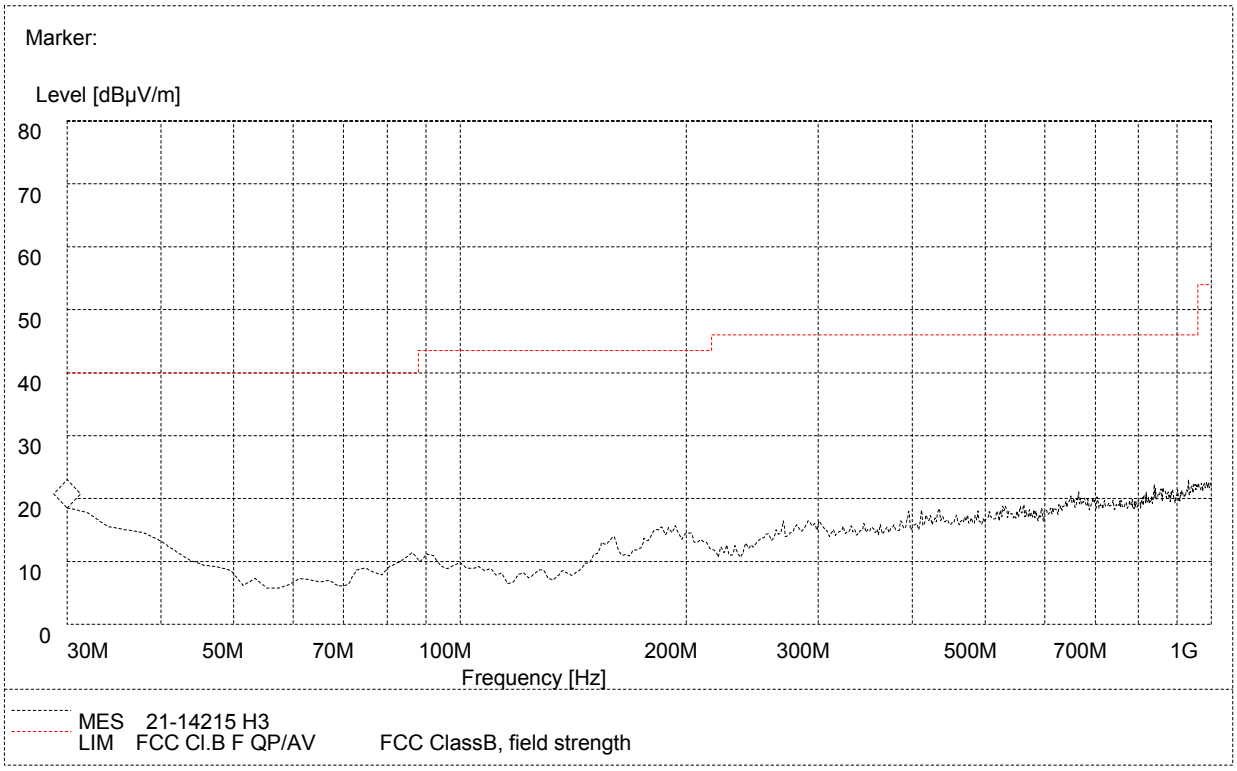
11a CH36 TX for below 1GHz

2.6.5. Test Results of Radiated Band Edge and Spurious Emission

For 9 KHz to 30MHz

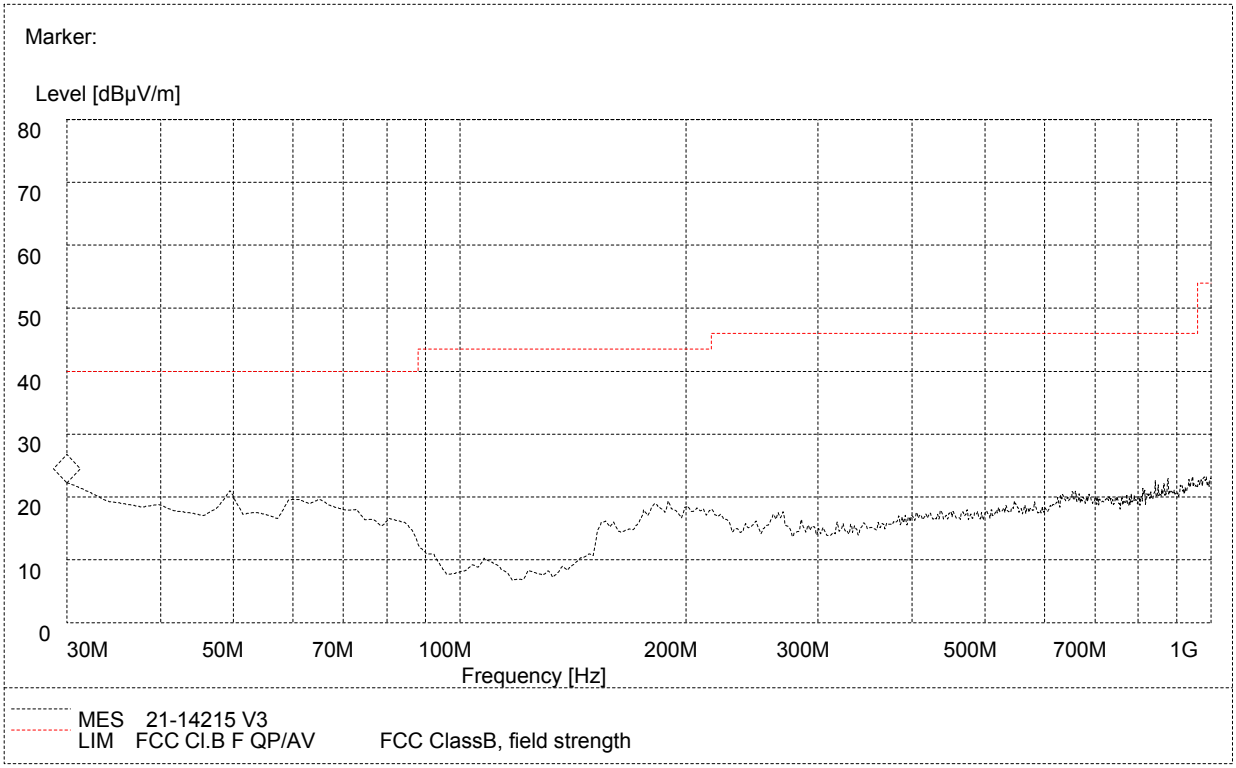
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

For 30MHz to 1000 MHz



30MHz to 1GHz, Antenna Horizontal

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Corr. Factor (dB/m)	Antenna height (cm)	Limit (dBµV/m)	Margin	Antenna	Verdict
30.000000	18.85	120.000	17.9	100.0	40.0	21.15	Horizontal	Pass
33.880000	15.25	120.000	11.2	100.0	40.0	24.75	Horizontal	Pass
85.820000	11.42	120.000	10.8	100.0	40.0	28.58	Horizontal	Pass
90.260000	11.00	120.000	12.8	100.0	43.5	32.5	Horizontal	Pass
160.220000	13.85	120.000	13.1	100.0	40.0	26.15	Horizontal	Pass
192.852000	14.82	120.000	21.0	100.0	46.0	31.18	Horizontal	Pass



30MHz to 1GHz, Antenna Vertical

Frequency (MHz)	QuasiPeak (dB µ V/m)	Bandwidth (kHz)	Corr. Factor (dBµV/m)	Antenna height (cm)	Limit (dB µ V/m)	Margin	Antenna	Verdict
30.000000	20.82	120.000	17.9	100.0	40.0	19.18	Vertical	Pass
49.820000	20.83	120.000	11.2	100.0	40.0	19.17	Vertical	Pass
63.869000	18.92	120.000	10.2	100.0	40.0	21.08	Vertical	Pass
80.00000	15.80	120.000	15.8	100.0	40.0	24.2	Vertical	Pass
181.830000	17.95	120.000	19.3	100.0	43.5	25.55	Vertical	Pass
201.890000	17.89	120.000	23.9	100.0	43.5	25.61	Vertical	Pass

For 1GHz to 40 GHz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5180MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	54.62	PK	68.20	-13.58	1.40	260	47.12	7.50
2	5150.00	42.05	AV	54.00	-11.95	1.40	260	34.55	7.50
3	10360.00	56.66	PK	68.20	-11.54	1.40	260	36.86	19.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5180MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	53.95	PK	68.20	-14.25	1.60	300	46.45	7.50
2	5150.00	41.66	AV	54.00	-12.34	1.60	300	34.16	7.50
3	10360.00	55.95	PK	68.20	-12.25	1.60	300	36.15	19.80

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5220MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10400.00	55.14	PK	68.20	-13.06	1.40	260	35.24	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5220MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10400.00	56.32	PK	68.20	-11.88	1.60	300	36.42	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5240MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.33	PK	68.20	-11.87	1.80	290	48.33	8.00
2	5350.00	44.11	AV	54.00	-9.89	1.80	290	36.11	8.00
3	10480.00	55.74	PK	68.20	-12.46	1.80	290	35.84	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5240MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	57.58	PK	68.20	-10.62	1.70	300	49.58	8.00
2	5350.00	45.49	AV	54.00	-8.51	1.70	300	37.49	8.00
3	10480.00	56.29	PK	68.20	-11.91	1.70	300	36.39	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5260MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	54.58	PK	68.20	-13.62	1.80	300	47.08	7.50
2	5150.00	44.11	AV	54.00	-9.89	1.80	300	36.61	7.50
3	10520.00	55.26	PK	68.20	-12.94	1.80	300	35.26	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5260MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	56.25	PK	68.20	-11.95	1.90	200	48.75	7.50
2	5150.00	45.97	AV	54.00	-8.03	1.90	200	38.47	7.50
3	10520.00	56.30	PK	68.20	-11.90	1.90	200	36.30	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5300MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10600.00	55.84	PK	68.20	-12.36	1.60	250	35.84	20.00
2	10600.00	45.99	AV	54.00	-8.01	1.60	250	25.99	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5300MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10600.00	56.29	PK	68.20	-11.91	1.50	300	36.29	20.00
2	10600.00	46.34	AV	54.00	-7.66	1.50	300	26.34	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5320MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.14	PK	68.20	-12.06	1.70	300	48.14	8.00
2	5350.00	46.39	AV	54.00	-7.61	1.70	300	38.39	8.00
3	10640.00	55.78	PK	68.20	-12.42	1.70	300	35.68	20.10
4	10640.00	45.50	AV	54.00	-8.5	1.70	300	25.40	20.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5320MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.32	PK	68.20	-11.88	1.80	200	48.32	8.00
2	5350.00	45.84	AV	54.00	-8.16	1.80	200	37.84	8.00
3	10640.00	55.47	PK	68.20	-12.73	1.80	200	35.37	20.10
4	10640.00	45.08	AV	54.00	-8.92	1.80	200	24.98	20.10

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5500MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	56.98	PK	68.20	-11.22	1.80	300	48.48	8.50
2	5460.00	48.24	AV	54.00	-5.76	1.80	300	39.74	8.50
3	5470.00	54.28	PK	68.20	-13.92	1.80	300	45.78	8.50
4	5470.00	45.54	AV	54.00	-8.46	1.80	300	37.04	8.50
5	11000.00	56.32	PK	68.20	-11.88	1.80	300	35.32	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5500MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	56.95	PK	68.20	-11.25	1.60	250	48.45	8.50
2	5460.00	48.10	AV	54.00	-5.9	1.60	250	39.60	8.50
3	5470.00	55.24	PK	68.20	-12.96	1.60	250	46.74	8.50
4	5470.00	46.59	AV	54.00	-7.41	1.60	250	38.09	8.50
5	11000.00	56.00	PK	68.20	-12.2	1.60	250	35.00	21.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5580MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11160.00	54.58	PK	68.20	-13.62	1.70	221	33.08	21.50
2	11160.00	46.26	AV	54.00	-7.74	1.70	221	24.76	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5580MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11160.00	55.95	PK	68.20	-12.25	1.60	330	34.45	21.50
2	11160.00	47.46	AV	54.00	-6.54	1.60	330	25.96	21.50

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5700MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	56.02	PK	68.20	-12.18	1.80	300	46.37	9.65
2	11400.00	57.06	PK	68.20	-11.14	1.80	300	35.56	21.50
3	11400.00	46.21	AV	54.00	-7.79	1.80	300	24.71	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5700MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	46.87	PK	68.2	-21.33	1.00	170	37.22	9.65
2	11400.00	53.14	PK	68.20	-15.06	2.00	260	31.64	21.50
3	11400.00	45.56	AV	54.00	-8.44	2.00	260	24.06	21.50

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5260MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	58.12	PK	68.20	-10.08	1.60	200	50.62	7.50
2	5150.00	47.65	AV	54.00	-6.35	1.60	200	40.15	7.50
3	10520.00	56.02	PK	68.20	-12.18	1.60	200	36.02	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5260MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	57.35	PK	68.20	-10.85	1.70	320	49.85	7.50
2	5150.00	47.07	AV	54.00	-6.93	1.70	320	39.57	7.50
3	10520.00	56.95	PK	68.20	-11.25	1.70	320	36.95	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5300MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10600.00	57.14	PK	68.20	-11.06	1.60	240	37.14	20.00
2	10600.00	47.29	AV	54.00	-6.71	1.60	240	27.29	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5300MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10600.00	56.95	PK	68.20	-11.25	1.50	320	36.95	20.00
2	10600.00	47.00	AV	54.00	-7	1.50	320	27.00	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5320MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.85	PK	68.20	-11.35	1.80	190	48.85	8.00
2	5350.00	47.10	AV	54.00	-6.9	1.80	190	39.10	8.00
3	10640.00	57.95	PK	68.20	-10.25	1.80	190	37.85	20.10
4	10640.00	47.67	AV	54.00	-6.33	1.80	190	27.57	20.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5320MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	55.95	PK	68.20	-12.25	1.70	190	47.95	8.00
2	5350.00	45.47	AV	54.00	-8.53	1.70	190	37.47	8.00
3	10640.00	53.65	PK	68.20	-14.55	1.70	190	33.55	20.10
4	10640.00	43.26	AV	54.00	-10.74	1.70	190	23.16	20.10

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5500MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	57.41	PK	68.20	-10.79	1.80	300	48.91	8.50
2	5460.00	48.67	AV	54.00	-5.33	1.80	300	40.17	8.50
3	5470.00	56.25	PK	68.20	-11.95	1.80	300	47.75	8.50
4	11000.00	56.95	PK	68.20	-11.25	1.80	300	35.95	21.00
5	11000.00	48.60	AV	54.00	-5.4	1.80	300	27.60	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5500MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	57.95	PK	68.20	-10.25	1.70	290	49.45	8.50
2	5460.00	49.10	AV	54.00	-4.9	1.70	290	40.60	8.50
3	5470.00	56.25	PK	68.20	-11.95	1.70	290	47.75	8.50
4	11000.00	56.98	PK	68.20	-11.22	1.70	290	35.98	21.00
5	11000.00	48.13	AV	54.00	-5.87	1.70	290	27.13	21.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5580MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11160.00	55.89	PK	68.20	-12.31	1.70	221	34.39	21.50
2	11160.00	47.57	AV	54.00	-6.43	1.70	221	26.07	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5580MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11160.00	56.03	PK	68.20	-12.17	1.60	330	34.53	21.50
2	11160.00	47.54	AV	54.00	-6.46	1.60	330	26.04	21.50

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5700MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	56.33	PK	68.20	-11.87	1.80	300	46.68	9.65
2	11400.00	55.87	PK	68.20	-12.33	1.80	300	34.37	21.50
3	11400.00	45.02	AV	54.00	-8.98	1.80	300	23.52	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5700MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	56.36	PK	68.20	-11.84	1.60	180	46.71	9.65
2	11400.00	57.25	PK	68.20	-10.95	2.00	320	35.75	21.50
3	11400.00	47.87	AV	54.00	-6.13	2.00	320	26.37	21.50

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5270MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	55.68	PK	68.20	-12.52	1.70	300.00	48.18	7.50
2	5150.00	47.33	AV	54.00	-6.67	1.70	300.00	39.83	7.50
3	10540.00	56.26	PK	68.20	-11.94	1.70	300.00	36.26	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5270MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	54.26	PK	68.20	-13.94	1.60	250.00	46.76	7.50
2	5150.00	44.11	AV	54.00	-9.89	1.60	250.00	36.61	7.50
3	10540.00	56.39	PK	68.20	-11.81	1.60	250.00	36.39	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5310MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	54.26	PK	68.20	-13.94	1.70	300.00	46.26	8.00
2	5350.00	43.49	AV	54.00	-10.51	1.70	300.00	35.49	8.00
3	10640.00	55.95	PK	68.20	-12.25	1.70	300.00	35.85	20.10
4	10640.00	45.81	AV	54.00	-8.19	1.70	300.00	25.71	20.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5310MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	55.62	PK	68.20	-12.58	1.60	260.00	47.62	8.00
2	5350.00	46.27	AV	54.00	-7.73	1.60	260.00	38.27	8.00
3	10620.00	56.25	PK	68.20	-11.95	1.60	260.00	36.15	20.10
4	10620.00	46.05	AV	54.00	-7.95	1.60	260.00	25.95	20.10

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5510MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	53.62	PK	68.20	-14.58	1.70	290.00	45.12	8.50
2	5460.00	42.88	AV	54.00	-11.12	1.70	290.00	34.38	8.50
3	5470.00	54.25	PK	68.20	-13.95	1.70	290.00	45.75	8.50
4	5470.00	43.51	AV	54.00	-10.49	1.70	290.00	35.01	8.50
5	11020.00	56.32	PK	68.20	-11.88	1.70	290.00	35.32	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5510MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	53.65	PK	68.20	-14.55	1.70	280.00	45.15	8.50
2	5460.00	43.00	AV	54.00	-11	1.70	280.00	34.50	8.50
3	5470.00	56.00	PK	68.20	-12.2	1.70	280.00	47.50	8.50
4	5470.00	45.35	AV	54.00	-8.65	1.70	280.00	36.85	8.50
5	11020.00	56.87	PK	68.20	-11.33	1.70	280.00	35.87	21.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5670MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11340.00	56.66	PK	68.20	-11.54	1.60	300.00	35.26	21.40
2	11340.00	45.92	AV	54.00	-8.08	1.60	300.00	24.52	21.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5670MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11340.00	55.28	PK	68.20	-12.92	1.70	280.00	33.88	21.40
2	11340.00	44.70	AV	54.00	-9.3	1.70	280.00	23.30	21.40

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5260MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	39.65	PK	68.20	-28.55	1.00	150	32.15	7.50
2	5150.00	31.30	AV	54.00	-22.70	1.00	150	23.80	7.50
3	10520.00	50.12	PK	68.20	-18.08	1.60	200	30.12	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5260MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	38.45	PK	68.20	-29.75	1.00	160	30.95	7.50
2	5150.00	30.30	AV	54.00	-23.70	1.00	160	22.80	7.50
3	10520.00	52.25	PK	68.20	-15.95	1.50	200	32.25	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5300MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10600.00	48.56	PK	68.20	-19.64	1.00	120	28.56	20.00
2	10600.00	39.51	AV	54.00	-14.49	1.00	120	19.51	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5300MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10600.00	50.21	PK	68.20	-17.99	1.20	180	30.21	20.00
2	10600.00	41.56	AV	54.00	-12.44	1.20	180	21.56	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5320MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	41.52	PK	68.20	-26.68	2.00	120	33.52	8.00
2	5350.00	33.77	AV	54.00	-20.23	2.00	120	25.77	8.00
3	10640.00	50.26	PK	68.20	-17.94	1.00	360	30.16	20.10
4	10640.00	42.12	AV	54.00	-11.88	1.00	360	22.02	20.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5320MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	42.25	PK	68.20	-25.95	1.50	300	34.25	8.00
2	5350.00	32.90	AV	54.00	-21.1	1.50	300	24.90	8.00
3	10640.00	50.06	PK	68.20	-18.14	1.00	250	29.96	20.10
4	10640.00	40.92	AV	54.00	-13.08	1.00	250	20.82	20.10

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5500MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	40.25	PK	68.20	-27.95	1.00	100	31.75	8.50
2	5460.00	32.51	AV	54.00	-21.49	1.00	100	24.01	8.50
3	5470.00	39.65	PK	68.2	-28.55	2.00	200	31.15	8.50
4	11000.00	52.65	PK	68.20	-15.55	1.80	180	31.65	21.00
5	11000.00	44.30	AV	54.00	-9.70	1.80	180	23.30	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5500MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	41.26	PK	68.20	-26.94	2.00	180	32.76	8.50
2	5460.00	32.61	AV	54.00	-21.39	2.00	180	24.11	8.50
3	5470.00	41.10	PK	68.2	-27.10	1.80	360	32.60	8.50
4	11000.00	52.36	PK	68.20	-15.84	1.00	120	31.36	21.00
5	11000.00	44.51	AV	54.00	-9.49	1.00	120	23.51	21.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5580MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11160.00	52.02	PK	68.20	-16.18	2.00	0	30.52	21.50
2	11160.00	43.77	AV	54.00	-10.23	2.00	0	22.27	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5580MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11160.00	51.36	PK	68.20	-16.84	1.00	200	29.86	21.50
2	11160.00	42.51	AV	54.00	-11.49	1.00	200	21.01	21.50

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5700MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5700.00	44.36	PK	68.20	-23.84	1.00	0	34.71	9.65
2	11400.00	51.36	PK	68.20	-16.84	1.20	125	29.86	21.50
3	11400.00	43.62	AV	54.00	-10.38	1.20	125	22.12	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5700MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5700.00	43.25	PK	68.20	-24.95	2.00	100	33.60	9.65
2	11400.00	51.02	PK	68.20	-17.18	1.50	360	29.52	21.50
3	11400.00	43.44	AV	54.00	-10.56	1.50	360	21.94	21.50

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5310MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	41.26	PK	68.20	-26.94	1.00	200.00	33.26	8.00
2	5350.00	30.51	AV	54.00	-23.49	1.00	200.00	22.51	8.00
3	10640.00	50.15	PK	68.20	-18.05	2.50	120.00	30.05	20.10
4	10640.00	42.01	AV	54.00	-11.99	2.50	120.00	21.91	20.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5310MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	44.39	PK	68.20	-23.81	2.00	100.00	36.39	8.00
2	5350.00	35.04	AV	54.00	-18.96	2.00	100.00	27.04	8.00
3	10620.00	50.25	PK	68.20	-17.95	1.90	360.00	30.15	20.10
4	10620.00	41.11	AV	54.00	-12.89	1.90	360.00	21.01	20.10

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5510MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	43.25	PK	68.20	-24.95	1.50	180.00	34.75	8.50
2	5460.00	32.51	AV	54.00	-21.49	1.50	180.00	24.01	8.50
3	5470.00	44.15	PK	68.20	-24.05	2.00	180.00	35.65	8.50
4	11020.00	52.00	PK	68.20	-16.20	1.80	320.00	31.00	21.00
5	11020.00	41.54	AV	54.00	-12.46	1.80	320.00	20.54	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5510MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	42.36	PK	68.20	-25.84	2.00	100.00	33.86	8.50
2	5460.00	31.71	AV	54.00	-22.29	2.00	100.00	23.21	8.50
3	5470.00	43.65	PK	68.20	-24.55	1.80	360.00	35.15	8.50
4	11020.00	51.36	PK	68.20	-16.84	2.00	180.00	30.36	21.00
5	11020.00	40.51	AV	54.00	-13.49	2.00	180.00	19.51	21.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5670MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11340.00	51.36	PK	68.20	-16.84	1.00	100.00	29.96	21.40
2	11340.00	40.62	AV	54.00	-13.38	1.00	100.00	19.22	21.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5670MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11340.00	52.06	PK	68.20	-16.14	1.00	150.00	30.66	21.40
2	11340.00	41.48	AV	54.00	-12.52	1.00	150.00	20.08	21.40

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac-VHT80_5290MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	54.53	PK	68.20	-13.67	2.00	120.00	46.53	8.00
2	5350.00	44.18	AV	54.00	-9.82	2.00	120.00	36.18	8.00
3	10580.00	56.32	PK	68.20	-11.88	2.00	330.00	36.32	20.00
4	10580.00	46.20	AV	54.00	-7.80	2.00	330.00	26.20	20.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac-VHT80_5290MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.84	PK	68.20	-11.36	1.50	160.00	48.84	8.00
2	5350.00	46.70	AV	54.00	-7.30	1.50	160.00	38.70	8.00
3	10580.00	55.00	PK	68.20	-21.54	1.60	220.00	35.00	20.00
4	10580.00	44.65	AV	54.00	-11.60	1.60	220.00	24.65	20.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac-VHT80_5530MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	46.35	PK	68.20	-21.85	1.60	300.00	37.85	8.50
2	5460.00	38.61	AV	54.00	-15.39	1.60	300.00	30.11	8.50
3	5470.00	44.36	PK	68.20	-23.84	1.60	300.00	35.86	8.50
4	5470.00	36.62	AV	54.00	-17.38	1.60	300.00	28.12	8.50
5	11060.00	49.65	PK	68.20	-18.55	1.50	200.00	28.65	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac-VHT80_5530MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	48.65	PK	68.20	-19.55	1.00	120.00	40.15	8.50
2	5460.00	40.00	AV	54.00	-14.00	1.00	120.00	31.50	8.50
3	5470.00	46.66	PK	68.20	-21.54	1.60	80.00	38.16	8.50
4	5470.00	38.01	AV	54.00	-15.99	1.60	80.00	29.51	8.50
5	11060.00	51.24	PK	68.20	-16.96	2.00	100.00	30.24	21.00
6	11060.00	43.39	AV	54.00	-10.61	2.00	100.00	22.39	21.00

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5745MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	55.95	PK	68.20	-12.25	1.60	300	46.30	9.65
2	11490.00	56.32	PK	68.20	-11.88	1.60	300	34.62	21.70
3	11490.00	43.67	AV	54.00	-10.33	1.60	300	21.97	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5745MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	55.84	PK	68.20	-12.36	1.50	300	46.19	9.65
2	11490.00	54.92	PK	68.20	-13.28	1.50	300	33.22	21.70
3	11490.00	42.07	AV	54.00	-11.93	1.50	300	20.37	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5785MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11570.00	55.95	PK	68.20	-12.25	1.60	280	34.25	21.70
2	11570.00	43.89	AV	54.00	-10.11	1.60	280	22.19	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5785MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11570.00	57.54	PK	68.20	-10.66	1.70	300	35.84	21.70
2	11570.00	45.80	AV	54.00	-8.2	1.70	300	24.10	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11a_5825MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	55.36	PK	68.20	-12.84	1.80	200	45.58	9.78
2	11650.00	54.62	PK	68.20	-13.58	1.80	300	32.72	21.90
3	11650.00	42.83	AV	54.00	-11.17	1.80	300	20.93	21.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11a_5825MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	56.66	PK	68.20	-11.54	1.50	200	46.88	9.78
2	11650.00	57.25	PK	68.20	-10.95	1.50	200	35.35	21.90
3	11650.00	44.99	AV	54.00	-9.01	1.50	200	23.09	21.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5180MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	52.65	PK	68.20	-15.55	1.80	120	45.15	7.50
2	5150.00	41.26	AV	54.00	-12.74	1.80	120	33.76	7.50
3	10360.00	55.98	PK	68.20	-12.22	1.80	120	36.18	19.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5180MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	54.62	PK	68.20	-13.58	1.90	300	47.12	7.50
2	5150.00	42.97	AV	54.00	-11.03	1.90	300	35.47	7.50
3	10360.00	58.21	PK	68.20	-9.99	1.90	300	38.41	19.80

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5220MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10400.00	54.25	PK	68.20	-13.95	1.50	300	34.35	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5220MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10400.00	56.36	PK	68.20	-11.84	1.70	180	36.46	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5240MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	57.25	PK	68.20	-10.95	1.50	290	49.25	8.00
2	5350.00	45.09	AV	54.00	-8.91	1.50	290	37.09	8.00
3	10480.00	55.36	PK	68.20	-12.84	1.50	290	35.46	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5240MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	54.36	PK	68.20	-13.84	1.70	320	46.36	8.00
2	5350.00	42.42	AV	54.00	-11.58	1.70	320	34.42	8.00
3	10480.00	59.66	PK	68.20	-8.54	1.70	320	39.76	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5745MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	55.98	PK	68.20	-12.22	1.60	300	46.33	9.65
2	11490.00	56.69	PK	68.20	-11.51	1.60	300	34.99	21.70
3	11490.00	44.82	AV	54.00	-9.18	1.60	300	23.12	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5745MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	55.28	PK	68.20	-12.92	1.70	200	45.63	9.65
2	11490.00	57.25	PK	68.20	-10.95	1.70	200	35.55	21.70
3	11490.00	45.14	AV	54.00	-8.86	1.70	200	23.44	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5785MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11570.00	57.54	PK	68.20	-10.66	1.80	300	35.84	21.70
2	11570.00	45.36	AV	54.00	-8.64	1.80	300	23.66	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5785MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11570.00	56.32	PK	68.20	-11.88	1.70	290	34.62	21.70
2	11570.00	43.93	AV	54.00	-10.07	1.70	290	22.23	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n20_5825MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	58.2	PK	68.20	-10	1.60	300	48.42	9.78
2	11650.00	55.87	PK	68.20	-12.33	1.60	270	33.97	21.90
3	11650.00	44.13	AV	54.00	-9.87	1.60	270	22.23	21.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n20_5825MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	56.63	PK	68.20	-11.57	1.80	290	46.85	9.78
2	11650.00	57.25	PK	68.20	-10.95	1.80	290	35.35	21.90
3	11650.00	44.96	AV	54.00	-9.04	1.80	290	23.06	21.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5180MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	50.33	PK	68.20	-17.87	1.60	300	42.83	7.50
2	5150.00	38.94	AV	54.00	-15.06	1.60	300	31.44	7.50
3	10360.00	53.65	PK	68.20	-14.55	1.60	300	33.85	19.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5180MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	55.26	PK	68.20	-12.94	1.80	200	47.76	7.50
2	5150.00	43.61	AV	54.00	-10.39	1.80	200	36.11	7.50
3	10360.00	56.36	PK	68.20	-11.84	1.80	200	36.56	19.80

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5220MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10400.00	55.62	PK	68.20	-12.58	1.70	120	35.72	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5220MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	10400.00	55.62	PK	68.20	-12.58	1.50	200	35.72	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5240MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.32	PK	68.20	-11.88	1.80	300	48.32	8.00
2	5350.00	44.16	AV	54.00	-9.84	1.80	300	36.16	8.00
3	10480.00	55.36	PK	68.20	-12.84	1.80	300	35.46	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5240MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	53.62	PK	68.20	-14.58	1.70	320	45.62	8.00
2	5350.00	41.68	AV	54.00	-12.32	1.70	320	33.68	8.00
3	10480.00	59.66	PK	68.20	-8.54	1.70	320	39.76	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5745MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	53.21	PK	68.20	-14.99	1.60	120	43.56	9.65
2	11490.00	56.92	PK	68.20	-11.28	1.60	120	35.22	21.70
3	11490.00	45.05	AV	54.00	-8.95	1.60	120	23.35	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5745MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	54.33	PK	68.20	-13.87	1.70	200	44.68	9.65
2	11490.00	57.23	PK	68.20	-10.97	1.70	200	35.53	21.70
3	11490.00	45.12	AV	54.00	-8.88	1.70	200	23.42	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5785MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11570.00	56.95	PK	68.20	-11.25	1.80	300	35.25	21.70
2	11570.00	45.77	AV	54.00	-8.23	1.80	300	24.07	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5785MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	11570.00	56.32	PK	68.20	-11.88	1.70	290	34.62	21.70
2	11570.00	44.13	AV	54.00	-9.87	1.70	290	22.43	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac20_5825MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	58.20	PK	68.20	-10	1.60	300	48.42	9.78
2	11650.00	55.87	PK	68.20	-12.33	1.60	270	33.97	21.90
3	11650.00	43.89	AV	54.00	-10.11	1.60	270	21.99	21.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac20_5825MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	57.26	PK	68.20	-10.94	1.50	300	47.48	9.78
2	11650.00	58.36	PK	68.20	-9.84	1.50	300	36.46	21.90
3	11650.00	46.17	AV	54.00	-7.83	1.50	300	24.27	21.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5190MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	56.95	PK	68.20	-11.25	1.20	90.00	49.45	7.50
2	5150.00	45.36	AV	54.00	-8.64	1.20	90.00	37.86	7.50
3	10380.00	55.26	PK	68.20	-12.94	1.20	90.00	35.46	19.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5190MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	56.32	PK	68.20	-11.88	1.80	260.00	48.82	7.50
2	5150.00	44.75	AV	54.00	-9.25	1.80	260.00	37.25	7.50
3	10380.00	57.65	PK	68.20	-10.55	1.80	260.00	37.85	19.80

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5230MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	55.65	PK	68.20	-12.55	1.20	90.00	47.65	8.00
2	5350.00	44.22	AV	54.00	-9.78	1.20	90.00	36.22	8.00
3	10460.00	56.32	PK	68.20	-11.88	1.20	90.00	36.42	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5230MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	57.15	PK	68.20	-11.05	1.80	260.00	49.15	8.00
2	5350.00	45.95	AV	54.00	-8.05	1.80	260.00	37.95	8.00
3	10460.00	56.25	PK	68.20	-11.95	1.80	260.00	36.35	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5755MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	56.69	PK	68.20	-11.51	1.60	180.00	47.04	9.65
2	11510.00	58.65	PK	68.20	-9.55	1.60	180.00	36.95	21.70
3	11510.00	46.62	AV	54.00	-7.38	1.60	180.00	24.92	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5755MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	55.95	PK	68.20	-12.25	1.70	260.00	46.30	9.65
2	11510.00	57.36	PK	68.20	-10.84	1.70	260.00	35.66	21.70
3	11510.00	46.00	AV	54.00	-8	1.70	260.00	24.30	21.70

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11n40_5795MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	57.66	PK	68.20	-10.54	1.50	300.00	47.88	9.78
2	11590.00	54.26	PK	68.20	-13.94	1.50	300.00	32.46	21.80
3	11590.00	43.03	AV	54.00	-10.97	1.50	300.00	21.23	21.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11n40_5795MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	56.95	PK	68.20	-11.25	1.80	210.00	47.17	9.78
2	11590.00	55.62	PK	68.20	-12.58	1.80	210.00	33.82	21.80
3	11590.00	44.38	AV	54.00	-9.62	1.80	210.00	22.58	21.80

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5190MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	55.62	PK	68.20	-12.58	1.60	300.00	48.12	1.5
2	5150.00	44.03	AV	54.00	-9.97	1.60	300.00	36.53	1.5
3	10380.00	54.62	PK	68.20	-13.58	1.60	300.00	34.82	5.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5190MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	56.32	PK	68.20	-11.88	1.50	180.00	48.82	5.2
2	5150.00	44.75	AV	54.00	-9.25	1.50	180.00	37.25	5.2
3	10380.00	55.85	PK	68.20	-12.35	1.50	180.00	36.05	7.4

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5230MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	56.26	PK	68.20	-11.94	1.60	90.00	48.26	1.5
2	5350.00	44.83	AV	54.00	-9.17	1.60	90.00	36.83	1.5
3	10460.00	55.84	PK	68.20	-12.36	1.60	90.00	35.94	7.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5230MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5350.00	57.65	PK	68.20	-10.55	1.50	300.00	49.65	1.5
2	5350.00	46.45	AV	54.00	-7.55	1.50	300.00	38.45	1.5
3	10460.00	54.29	PK	68.20	-13.91	1.50	300.00	34.39	5.7

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5755MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	55.62	PK	68.20	-12.58	1.60	180.00	45.97	1.8
2	11510.00	58.62	PK	68.20	-9.58	1.60	180.00	36.92	1.8
3	11510.00	46.59	AV	54.00	-7.41	1.60	180.00	24.89	1.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5755MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5725.00	57.25	PK	68.20	-10.95	1.70	260.00	47.60	1.8
2	11510.00	56.26	PK	68.20	-11.94	1.70	260.00	34.56	1.8
3	11510.00	44.90	AV	54.00	-9.1	1.70	260.00	23.20	1.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac40_5795MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	56.32	PK	68.20	-11.88	1.50	300.00	46.54	1.8
2	11590.00	55.62	PK	68.20	-12.58	1.50	300.00	33.82	2.8
3	11590.00	44.39	AV	54.00	-9.61	1.50	300.00	22.59	2.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac40_5795MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5850.00	58.65	PK	68.20	-9.55	1.80	210.00	48.87	1.8
2	11590.00	57.26	PK	68.20	-10.94	1.80	210.00	35.46	2.8
3	11590.00	46.02	AV	54.00	-7.98	1.80	210.00	24.22	2.8

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac-VHT80_5210MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	56.36	PK	68.20	-11.84	1.60	180.00	48.86	7.50
2	5150.00	44.38	AV	54.00	-9.62	1.60	180.00	36.88	7.50
3	10420.00	55.58	PK	68.20	-12.62	1.60	180.00	35.68	19.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac-VHT80_5210MHz）									
No.	Frequency (MHz)	Emssion Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5150.00	56.95	PK	68.20	-11.25	1.80	260.00	49.45	7.50
2	5150.00	44.48	AV	54.00	-9.52	1.80	260.00	36.98	7.50
3	10420.00	55.84	PK	68.20	-12.36	1.80	260.00	35.94	19.90

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M（802.11ac-VHT80_5775MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	54.25	PK	68.20	-13.95	1.80	300.00	44.47	9.78
2	5460.00	42.22	AV	54.00	-11.78	1.80	300.00	32.44	9.78
3	11220.00	56.32	PK	68.20	-11.88	1.80	280.00	34.52	21.80
4	11220.00	44.01	AV	54.00	-9.99	1.80	280.00	22.21	21.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M（802.11ac-VHT80_5775MHz）									
No.	Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV/m)	Correction Factor (dB/m)
1	5460.00	55.95	PK	68.20	-12.25	1.60	280.00	46.17	9.78
2	5460.00	43.86	AV	54.00	-10.14	1.60	280.00	34.08	9.78
3	11220.00	56.23	PK	68.20	-11.97	1.70	300.00	34.43	21.80
4	11220.00	44.09	AV	54.00	-9.91	1.70	300.00	22.29	21.80

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

2.7. Conducted Emission

2.7.1. Limit of Conducted Emission

FCC 15.207,

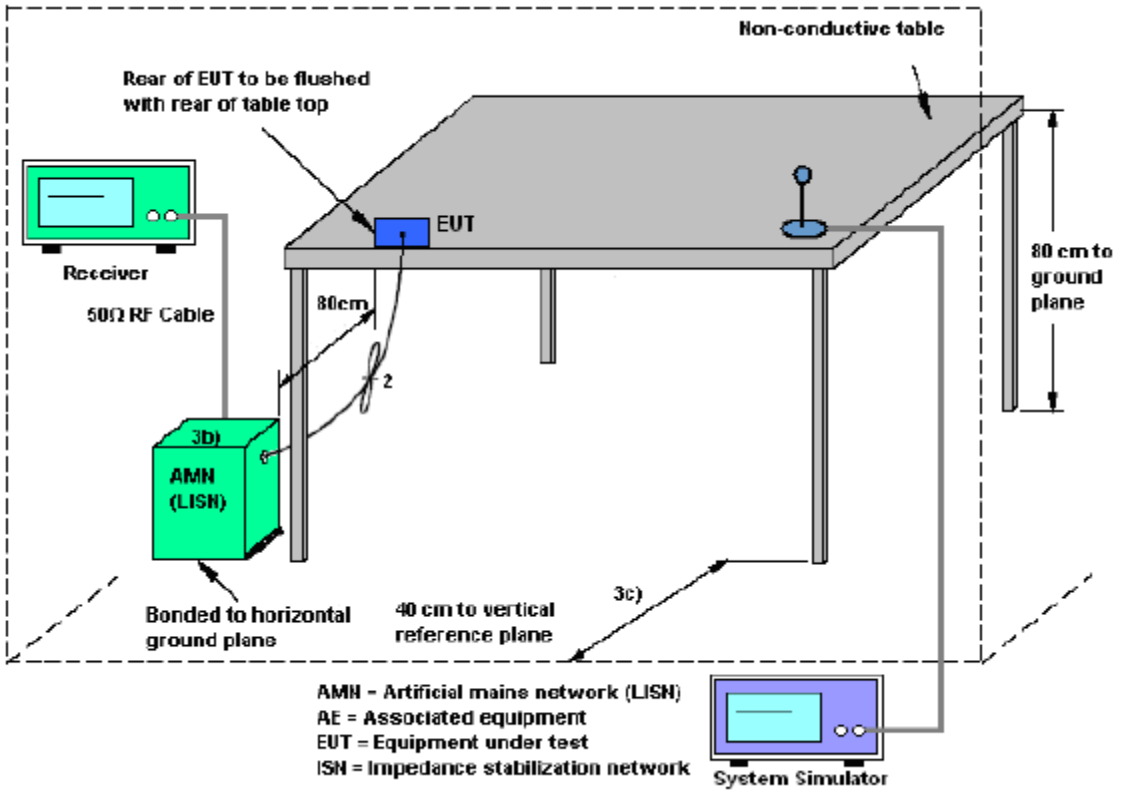
For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

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

2.7.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.7.3. Test Setup

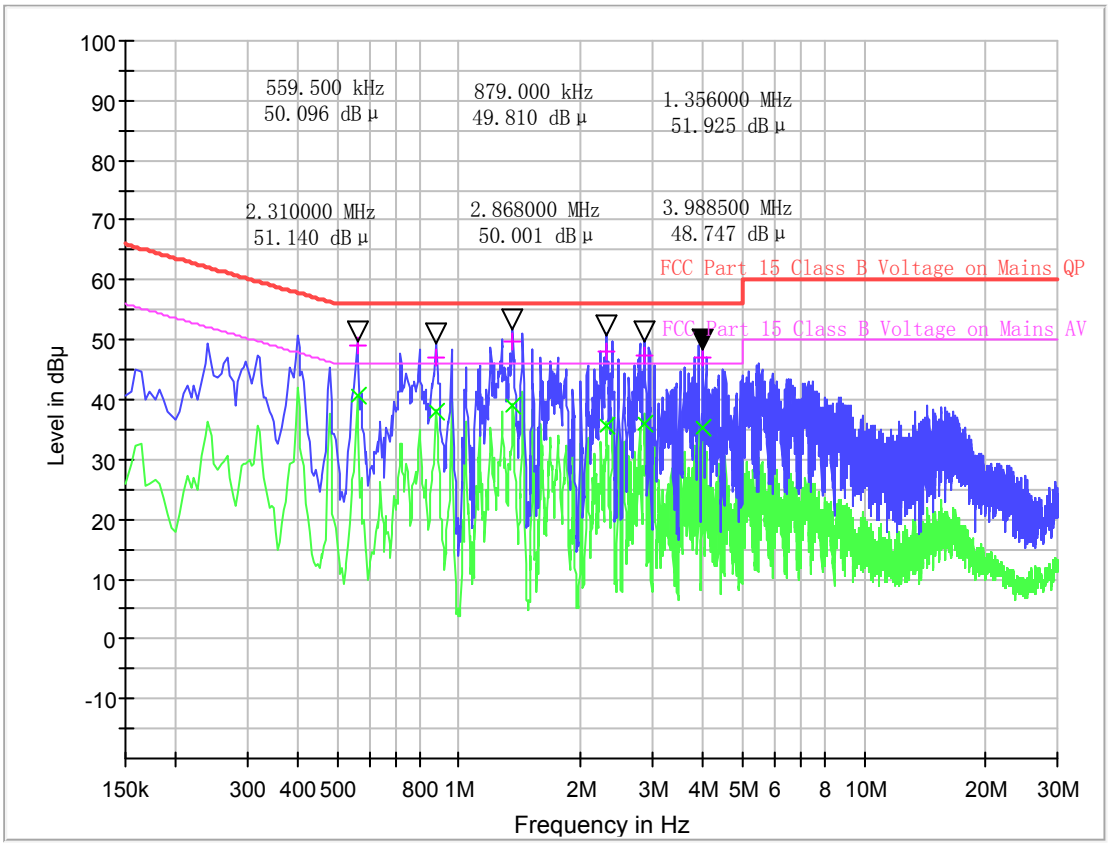


2.7.4. Test Procedures

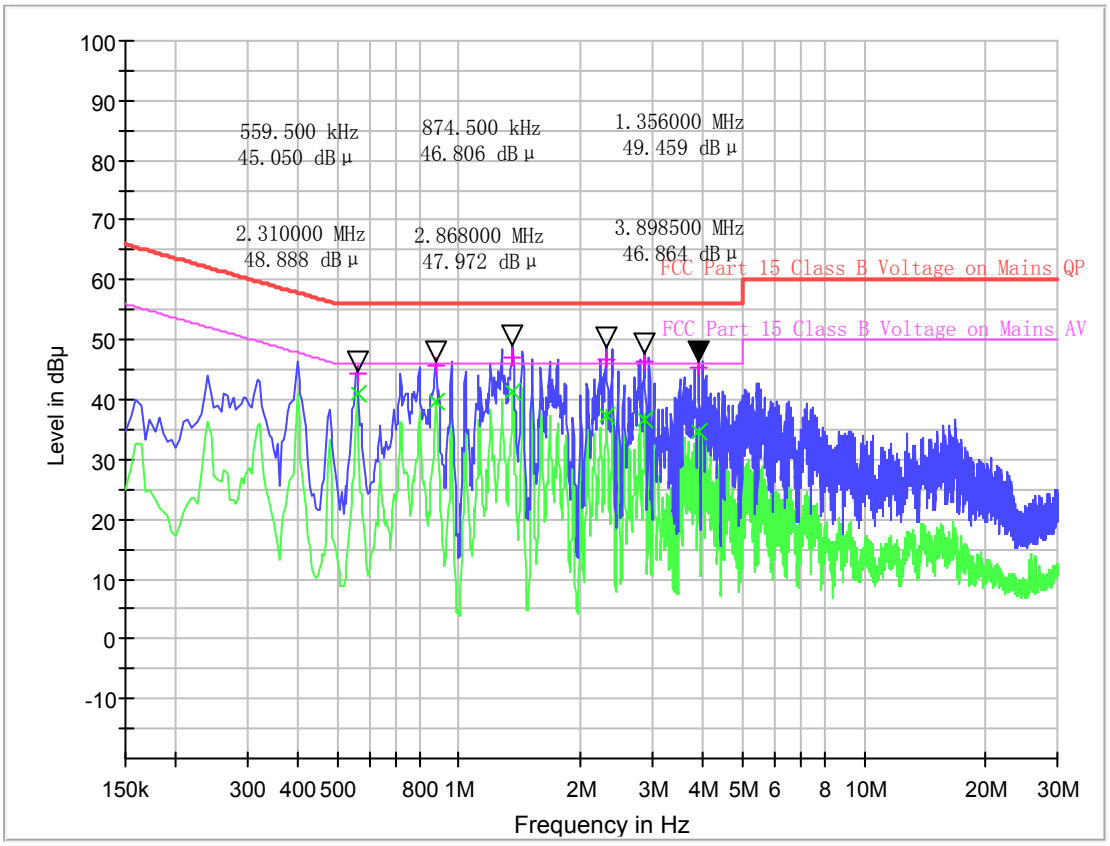
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

2.7.5. Test Results of Conducted Emission

The EUT configuration of the emission tests is 5G WLAN Link + USB Cable (Charging from Adapter)



Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Cabel Loss (dB)	Corr. (dB)	Margin - QPK	Limit - QPK	Margin - AV	Limit - AV (dB µ V)
0.559500	49.17	40.62	0.1	10.1	6.83	56.0	5.38	46.0
0.879000	47.11	37.91	0.1	10.1	8.89	56.0	8.09	46.0
1.356000	49.66	38.95	0.1	10.1	6.34	56.0	7.05	46.0
2.310000	48.18	35.56	0.1	10.1	7.82	56.0	10.44	46.0
2.868000	47.54	35.94	0.2	10.2	8.46	56.0	10.06	46.0
3.988500	47.09	35.14	0.2	10.2	8.91	56.0	10.86	46.0



Frequency (MHz)	QuasiPeak (dB µ V)	CAverage (dB µ V)	Cabel Loss (dB)	Corr. (dB)	Margin - QPK	Limit - QPK	Margin - AV	Limit - AV (dB µ V)
0.559500	44.51	41.03	0.1	10.1	11.49	56.0	4.97	46.0
0.874500	45.57	39.65	0.1	10.1	10.43	56.0	6.35	46.0
1.356000	47.04	41.39	0.1	10.1	8.96	56.0	4.61	46.0
2.310000	46.78	37.45	0.1	10.1	9.22	56.0	8.55	46.0
2.868000	46.27	36.58	0.2	10.2	9.73	56.0	9.42	46.0
3.898500	45.50	34.54	0.2	10.2	10.50	56.0	11.46	46.0

Test Result: PASS

Note: Correction factor=Cabel loss+ attenuation factor

attenuation factor=10dB

3. List of measuring equipment

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI TEST RECEIVER	KEYSIGHT	N9038A	A141202036	2020.09.21	2021.09.20
2	Power Meter	R&S	NRP-Z31	102872	2021.04.26	2022.04.25
3	TURNTABLE	ETS	2088	2149	N/A	N/A
4	ANTENNA MAST	ETS	2075	2346	N/A	N/A
5	EMI TEST Software	R&S	ESK1	N/A	N/A	N/A
6	Horn antenna (18GHz~26.5GHz)	AR	AT4003A	325306	2020.09.16	2022.09.15
7	Amplifier 30M~1GHz	MILMEGA	80RF1000-10004	A140101634	2021.01.26	2022.01.25
8	Amplifier 1G~18GHz	MILMEGA	AS0104R-800/400	A160302517	2021.01.26	2022.01.25
9	High pass filter	Compliance Direction systems	BSU-6	34202	2020.11.10	2021.11.09
10	Horn Antenna	R&S	HF906	A0304225	2019.04.17	2022.04.16
11	Horn Antenna	R&S	ESIB7	A0501375	2021.05.24	2022.05.23
12	ULTRA-BROADBAND ANTENNA	SCHWARZBECK	VULB9160	A0805560	2019.05.24	2022.05.23
13	Passive Loop Antenna	R&S	HFH2-Z2	100047	2019.04.26	2022.04.25
14	Temperature chamber	TABAI	PS-232	A8708054	2020.10.30	2021.10.29
15	Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2021.04.26	2022.04.25
16	Power Supply	R&S	ESIB26	A0304218	2021.01.04	2022.01.03
17	LISN	ROHDE&SCHWARZ	ENV216	A140701847	2020.09.22	2021.09.21
18	Test software	ECIT	Eagle	V2.0	N/A	N/A

4. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence . The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Emission Measurement (150KHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%(U=2Uc(y))	2.8dB

Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

Measuring Uncertainty for a level of confidence of 95%(U=2Uc(y))	3.91dB

Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

Measuring Uncertainty for a level of confidence of 95%(U=2Uc(y))	4.5dB

Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%(U=2Uc(y))	4.9dB

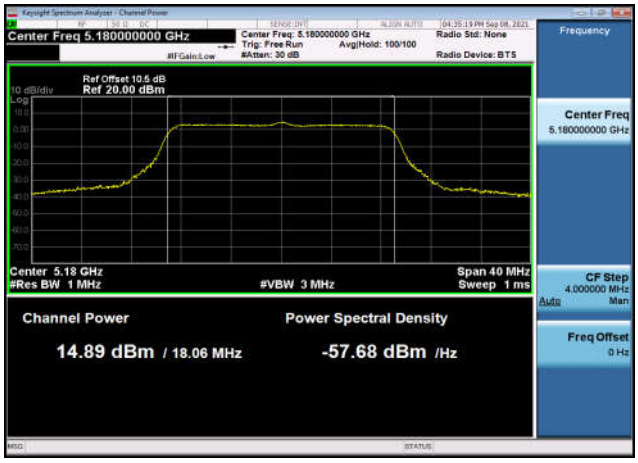
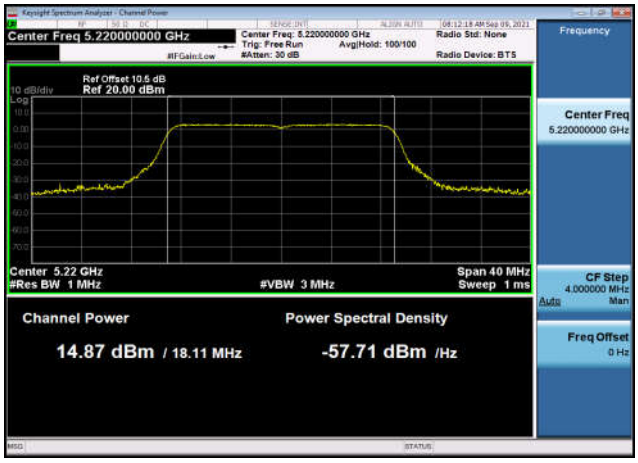
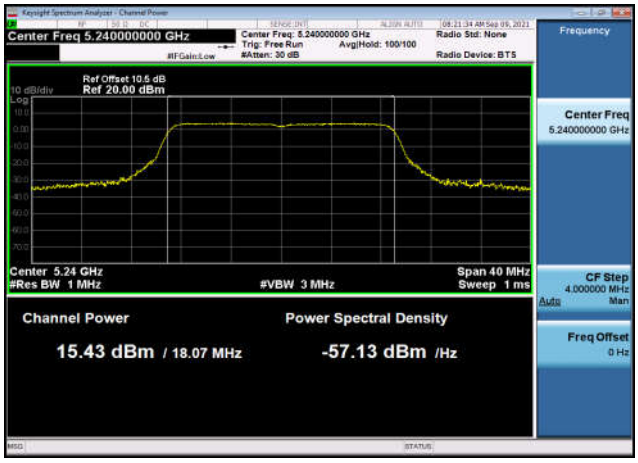
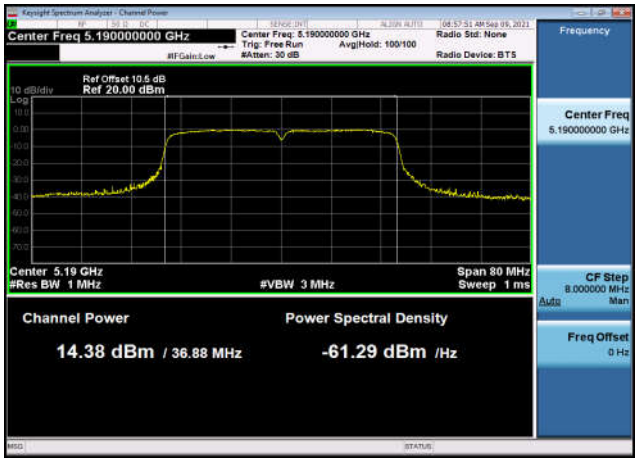
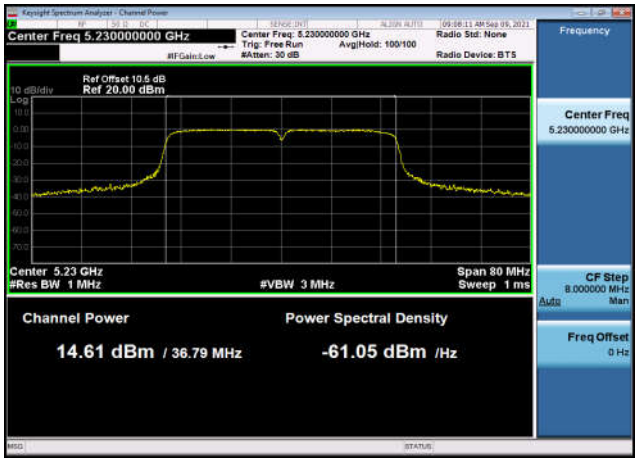
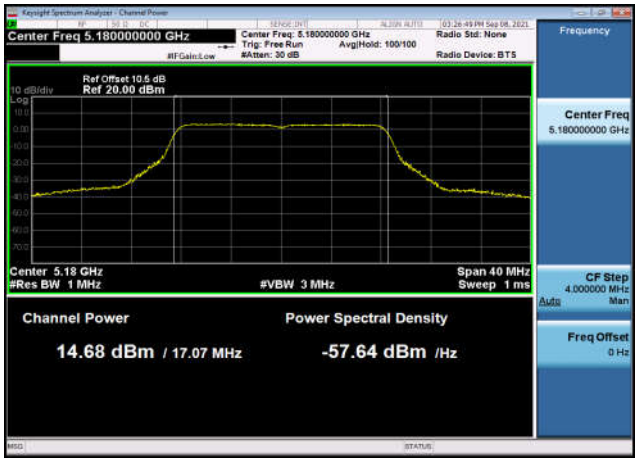
Appendix A

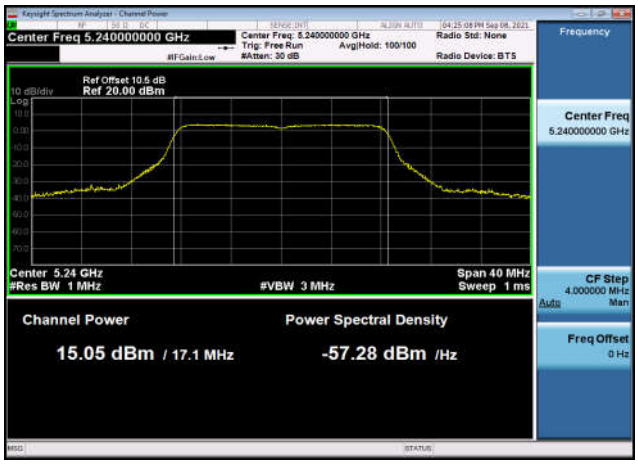
Conducted output power test results

U-NII-1 AVGSA Output Power					
Mode	Test Frequency (MHz)	Max Power (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
802.11n (20MHz)	5180	14.89	24	/	Pass
802.11n (20MHz)	5220	14.87			Pass
802.11n (20MHz)	5240	15.43			Pass
802.11n (40MHz)	5190	14.38			Pass
802.11n (40MHz)	5230	14.61			Pass
802.11ac (20MHz)	5180	14.55			Pass
802.11ac (20MHz)	5220	14.24			Pass
802.11ac (20MHz)	5240	14.99			Pass
802.11ac (40MHz)	5190	14.23			Pass
802.11ac (40MHz)	5230	14.77			Pass
802.11ac (80MHz)	5210	12.93			Pass
802.11a (20MHz)	5180	14.68			Pass
802.11a (20MHz)	5220	14.42			Pass
802.11a (20MHz)	5240	15.05			Pass
U-NII-2a AVGSA Output Power					
Mode	Test Frequency (MHz)	Max Power (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
802.11n (20MHz)	5260	14.75	24	/	Pass
802.11n (20MHz)	5300	14.40			Pass
802.11n (20MHz)	5320	14.31			Pass
802.11n (40MHz)	5270	14.50			Pass
802.11n (40MHz)	5310	13.86			Pass
802.11ac (20MHz)	5260	13.19			Pass
802.11ac (20MHz)	5300	14.41			Pass
802.11ac (20MHz)	5320	14.40			Pass
802.11ac (40MHz)	5270	14.24			Pass
802.11ac (40MHz)	5310	13.91			Pass
802.11ac (80MHz)	5290	12.80			Pass
802.11a (20MHz)	5260	14.69			Pass
802.11a (20MHz)	5300	14.48			Pass
802.11a (20MHz)	5320	14.29			Pass

U-NII-2c AVGSA Output Power					
Mode	Test Frequency (MHz)	Max Power (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
802.11n (20MHz)	5500	14.51	24	/	Pass
802.11n (20MHz)	5580	13.78			Pass
802.11n (20MHz)	5700	16.67			Pass
802.11n (40MHz)	5510	13.79			Pass
802.11n (40MHz)	5670	14.20			Pass
802.11ac (20MHz)	5500	14.66			Pass
802.11ac (20MHz)	5580	15.63			Pass
802.11ac (20MHz)	5700	16.74			Pass
802.11ac (40MHz)	5510	13.93			Pass
802.11ac (40MHz)	5670	13.72			Pass
802.11ac (80MHz)	5530	12.83			Pass
802.11a (20MHz)	5500	14.56			Pass
802.11a (20MHz)	5580	15.85			Pass
802.11a (20MHz)	5700	14.65			Pass
U-NII-3 AVGSA Output Power					
Mode	Test Frequency (MHz)	Max Power (dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
802.11n (20MHz)	5745	13.75	30	/	Pass
802.11n (20MHz)	5785	13.85			Pass
802.11n (20MHz)	5825	13.64			Pass
802.11n (40MHz)	5755	13.86			Pass
802.11n (40MHz)	5795	13.75			Pass
802.11ac (20MHz)	5745	13.72			Pass
802.11ac (20MHz)	5785	13.76			Pass
802.11ac (20MHz)	5825	13.65			Pass
802.11ac (40MHz)	5755	13.55			Pass
802.11ac (40MHz)	5795	13.56			Pass
802.11ac (80MHz)	5775	12.16			Pass
802.11a (20MHz)	5745	14.05			Pass
802.11a (20MHz)	5785	14.07			Pass
802.11a (20MHz)	5825	13.76			Pass

Test Plots

U-NII-1 Output Power-802.11n(20MHz) ,5180MHz,Ant1	U-NII-1 Output Power-802.11n(20MHz) ,5220MHz,Ant1
	
U-NII-1 Output Power-802.11n(20MHz) ,5240MHz,Ant1	U-NII-1 Output Power-802.11n(40MHz) ,5190MHz,Ant1
	
U-NII-1 Output Power-802.11n(40MHz) ,5230MHz,Ant1	U-NII-1 Output Power-802.11a(20MHz) ,5180MHz,Ant1
	

U-NII-1 Output Power-802.11a(20MHz) ,5220MHz,Ant1	U-NII-1 Output Power-802.11a(20MHz) ,5240MHz,Ant1
	
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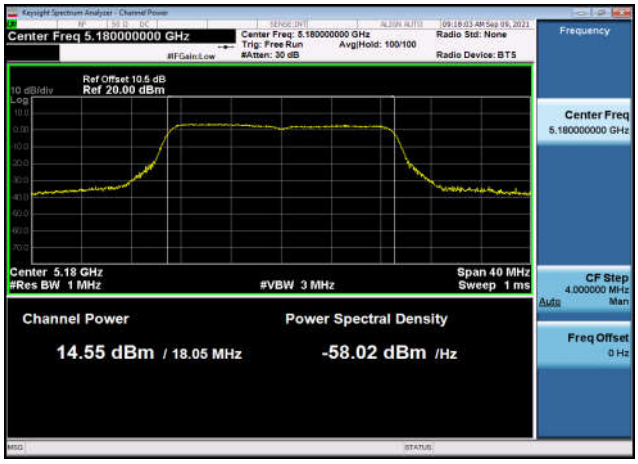	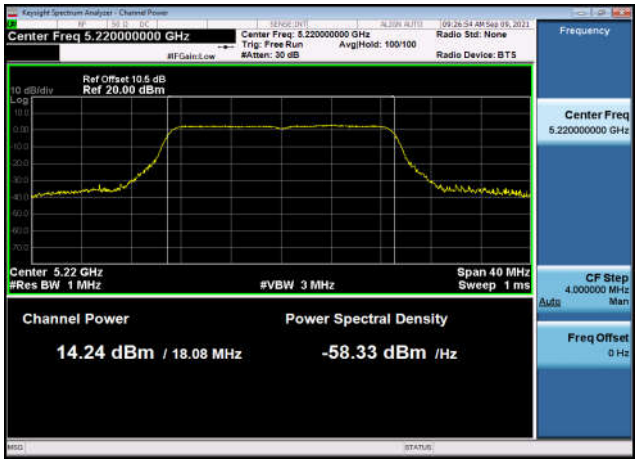
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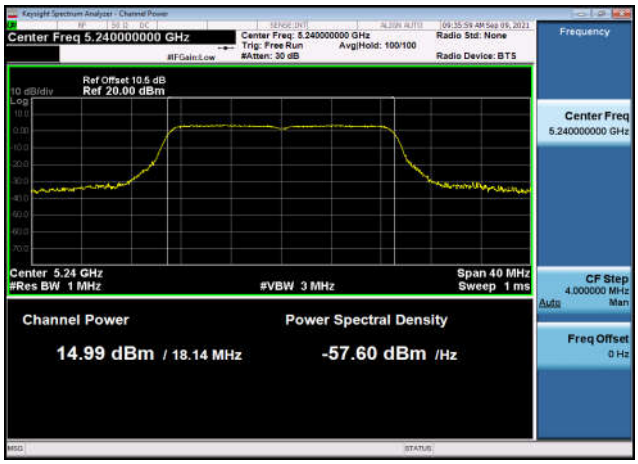	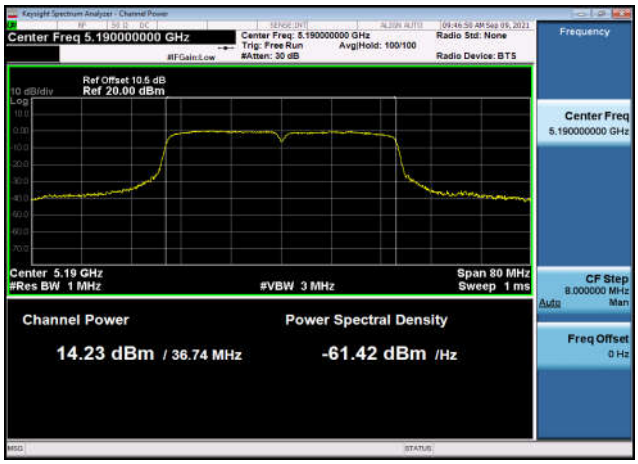

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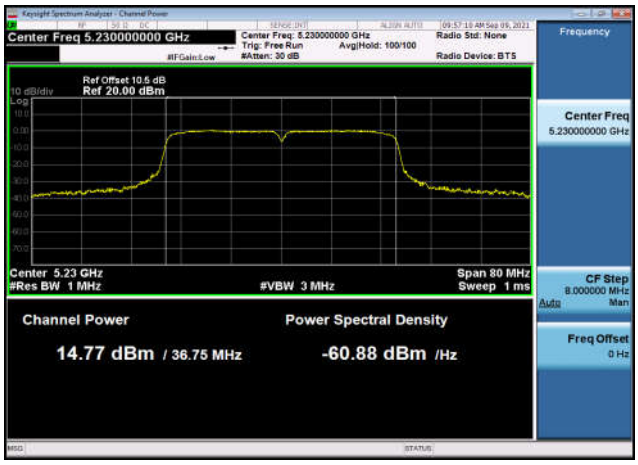
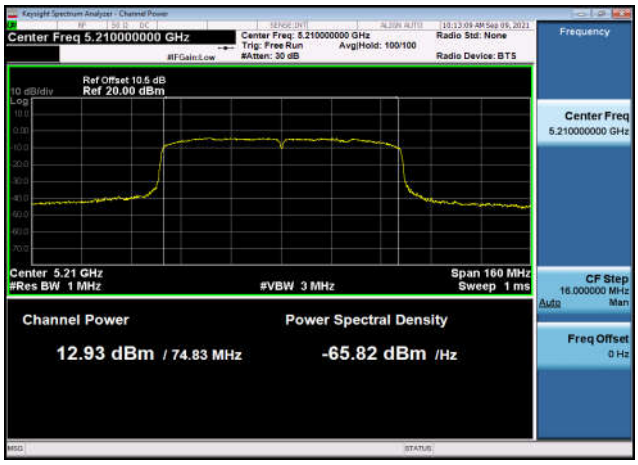
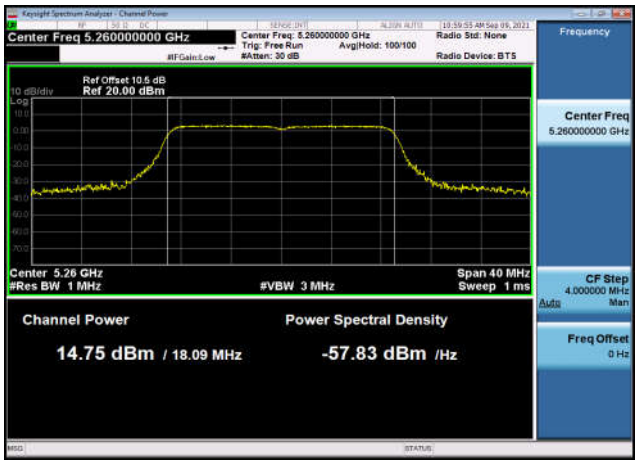
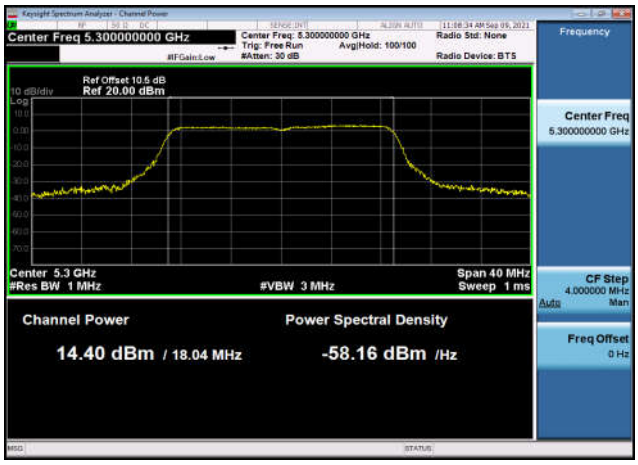
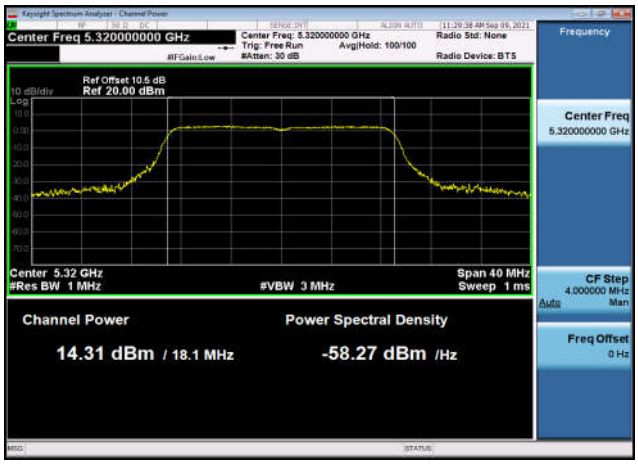
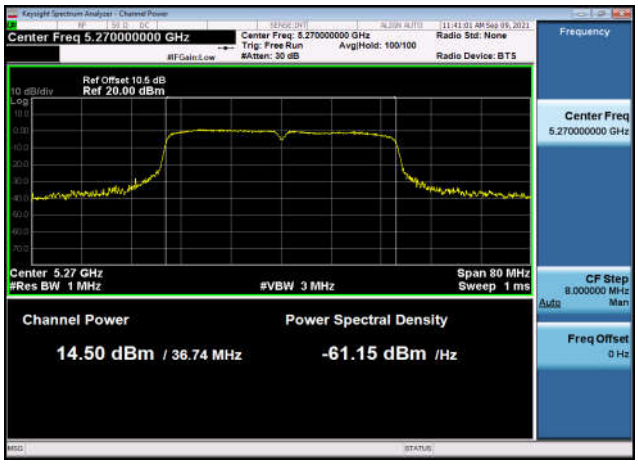
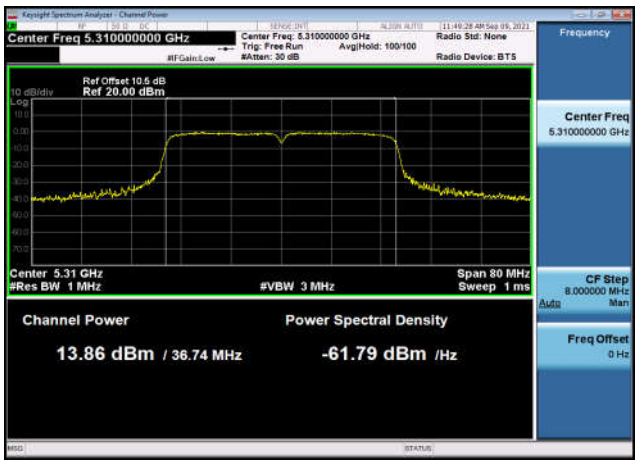
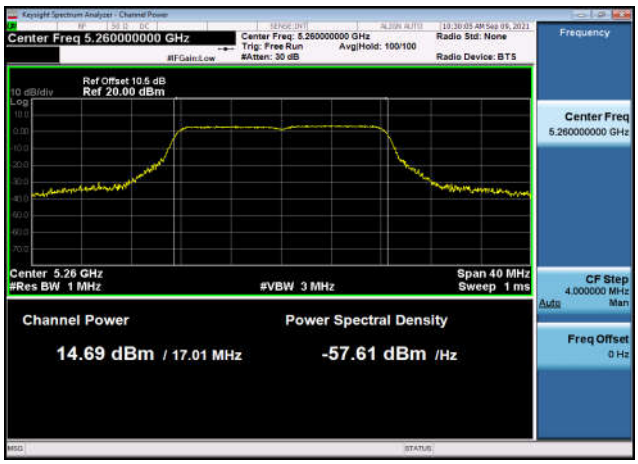
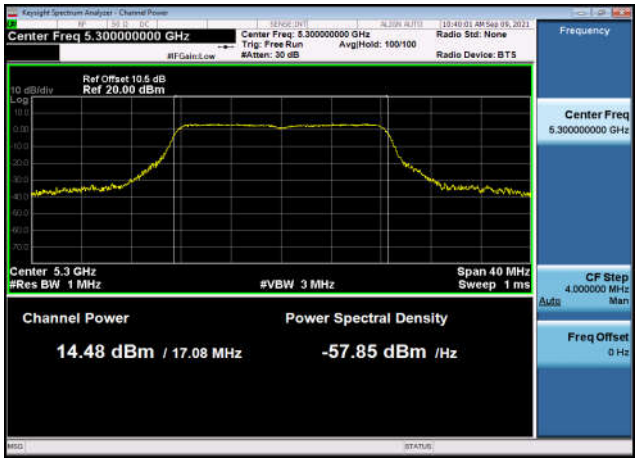
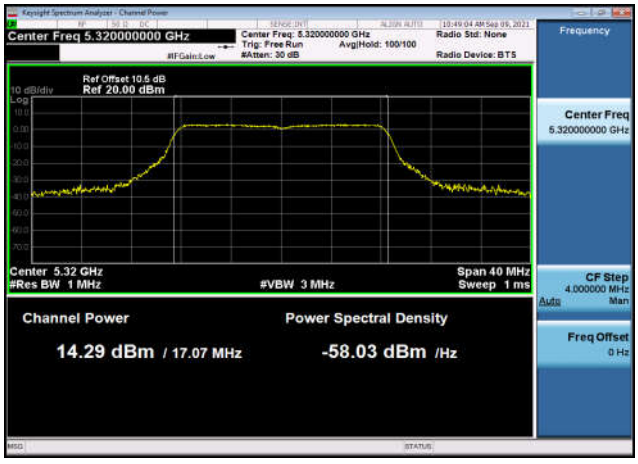
	
U-NII-2a Output Power-802.11n(20MHz) ,5260MHz,Ant1	U-NII-2a Output Power-802.11n(20MHz) ,5300MHz,Ant1
	
U-NII-2a Output Power-802.11n(20MHz) ,5320MHz,Ant1	U-NII-2a Output Power-802.11n(40MHz) ,5270MHz,Ant1
	

U-NII-2a Output Power-802.11n(40MHz) ,5310MHz,Ant1	U-NII-2a Output Power-802.11a(20MHz) ,5260MHz,Ant1
	
U-NII-2a Output Power-802.11a(20MHz) ,5300MHz,Ant1	U-NII-2a Output Power-802.11a(20MHz) ,5320MHz,Ant1
	
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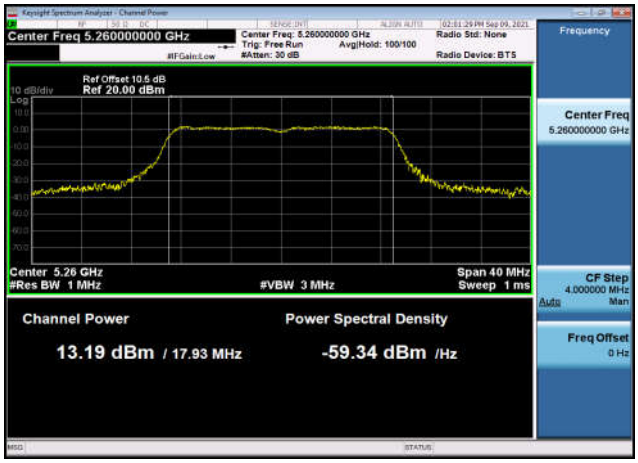
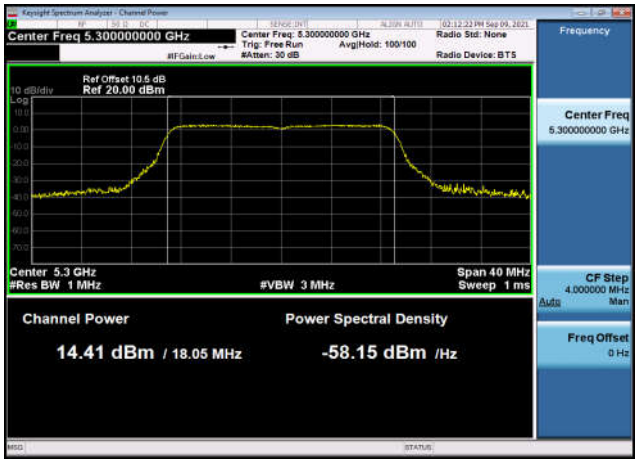
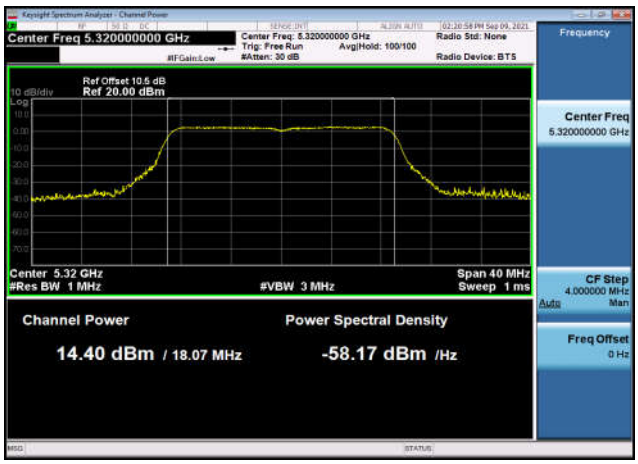
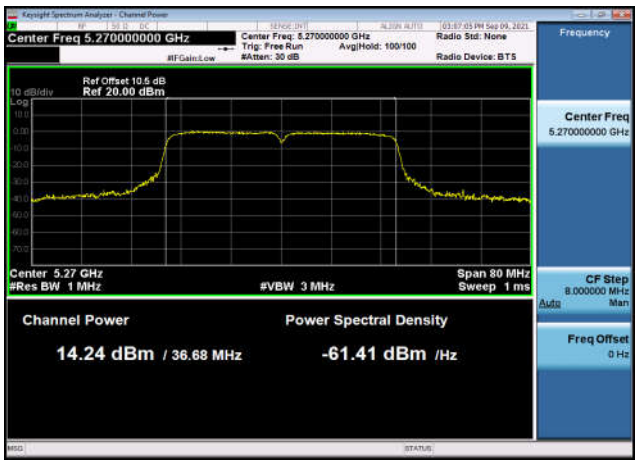
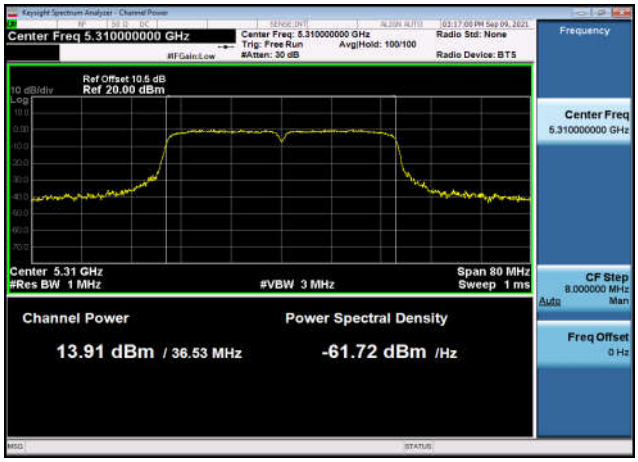
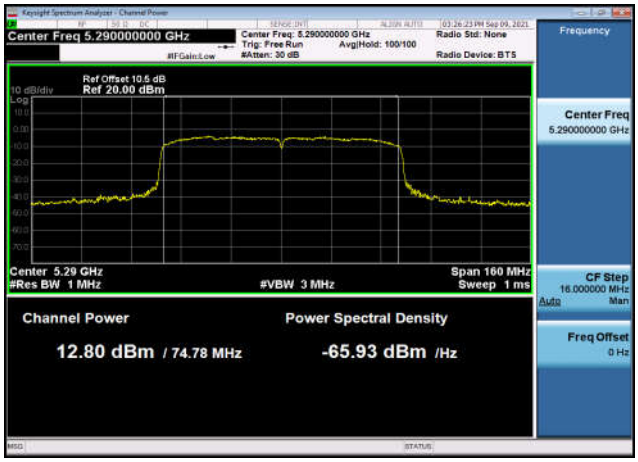
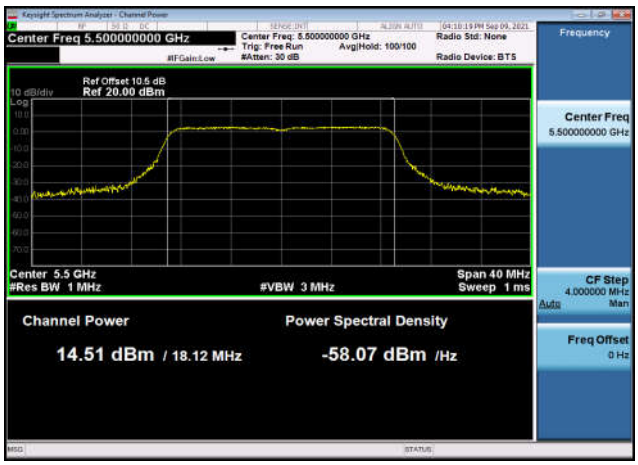
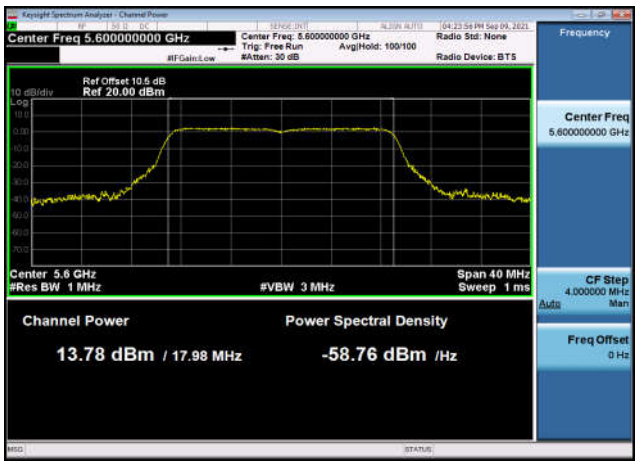
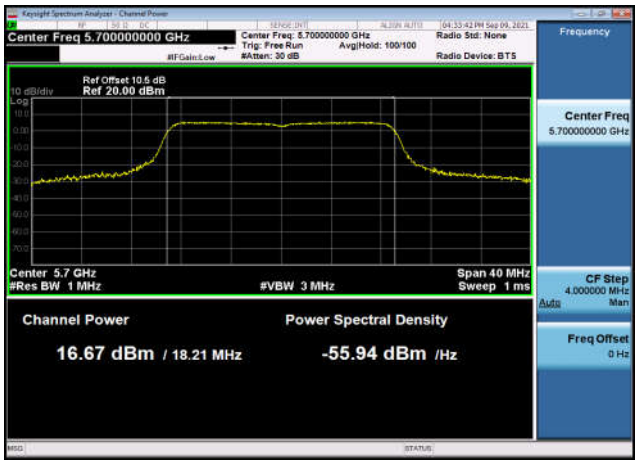
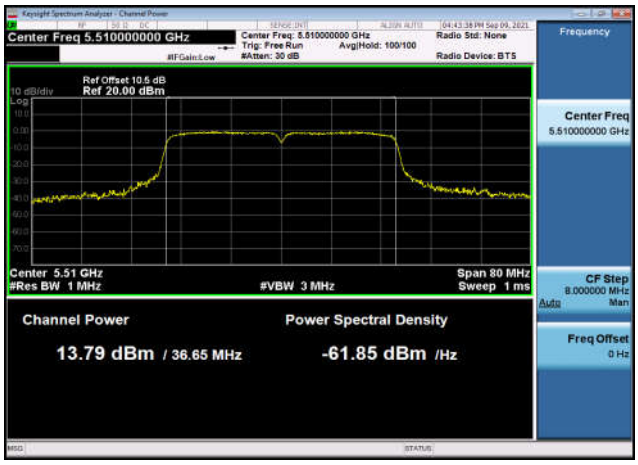
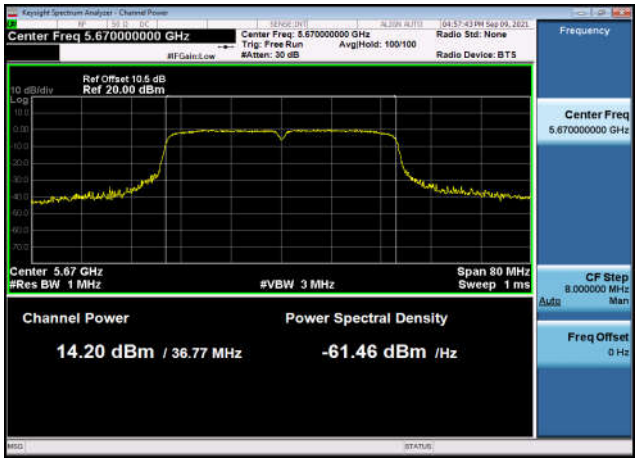
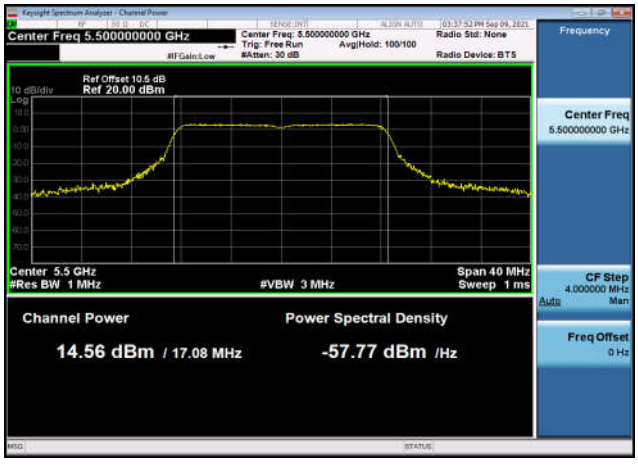
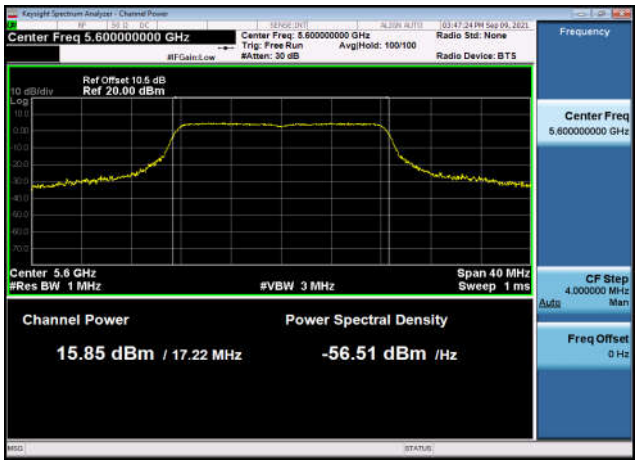
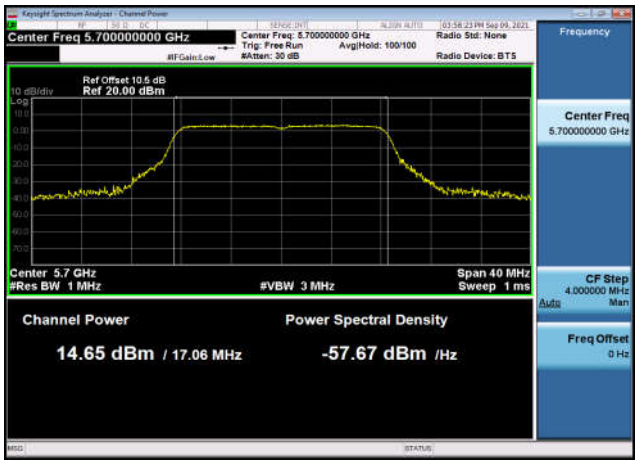
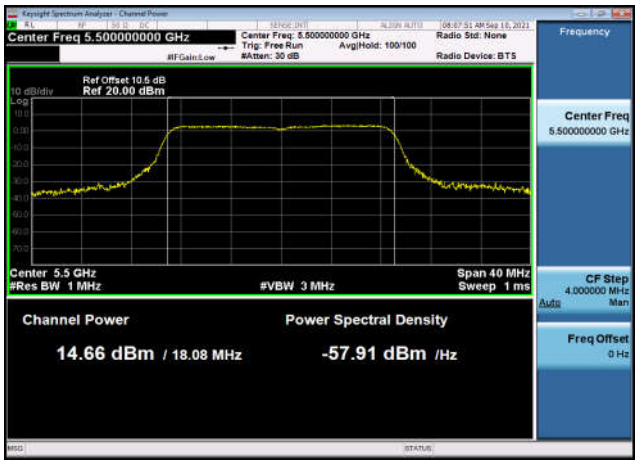
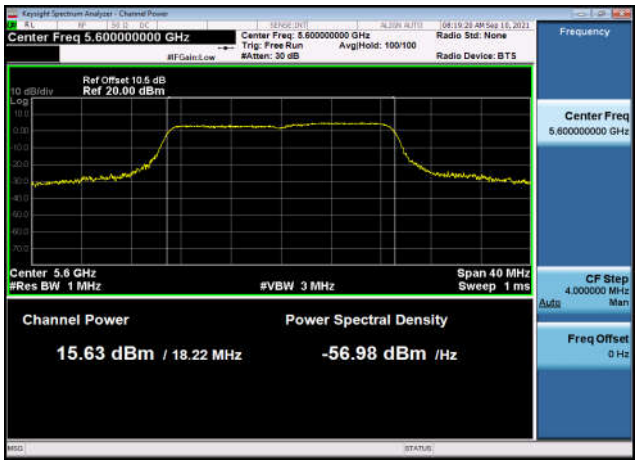
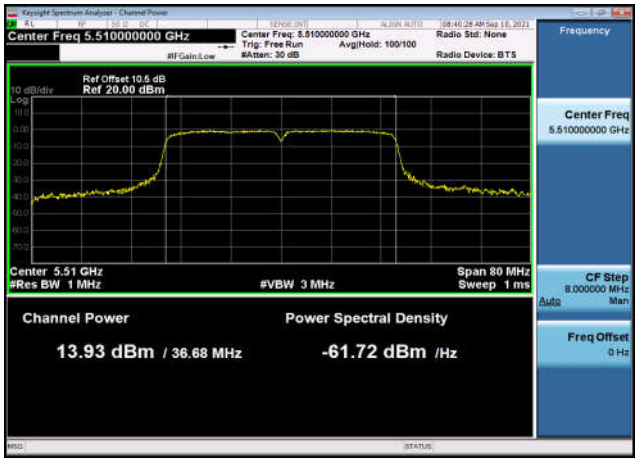
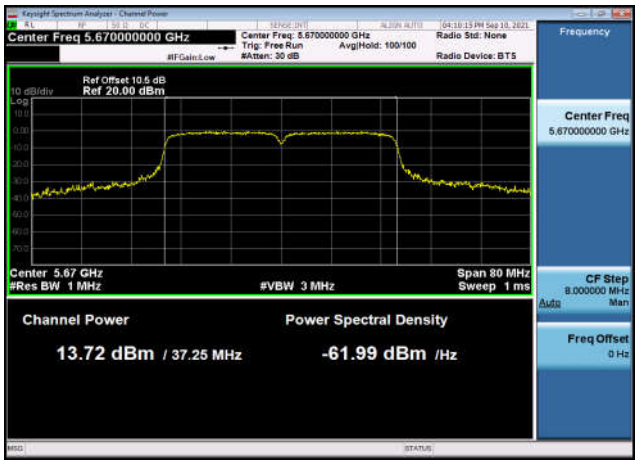
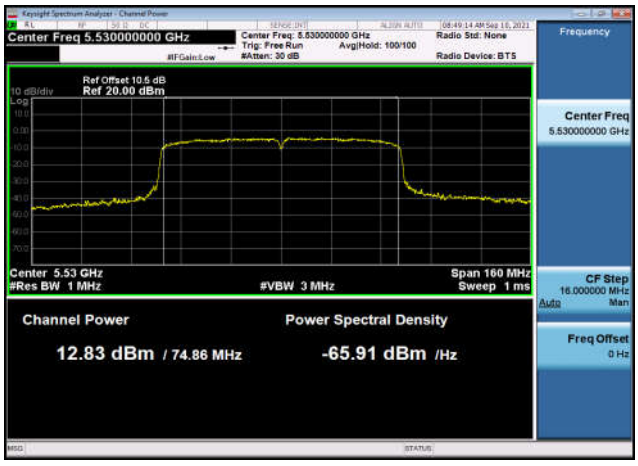
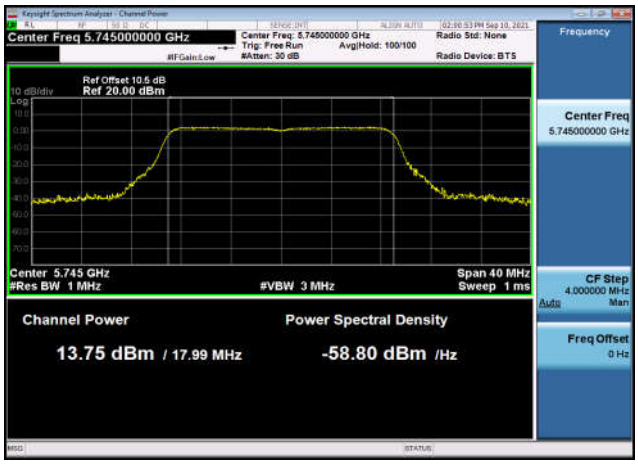
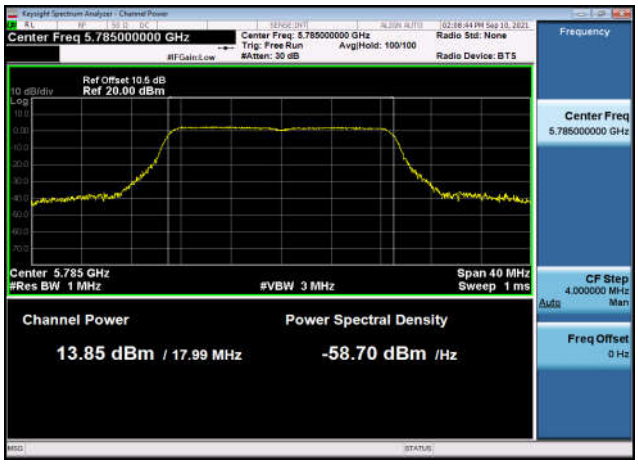
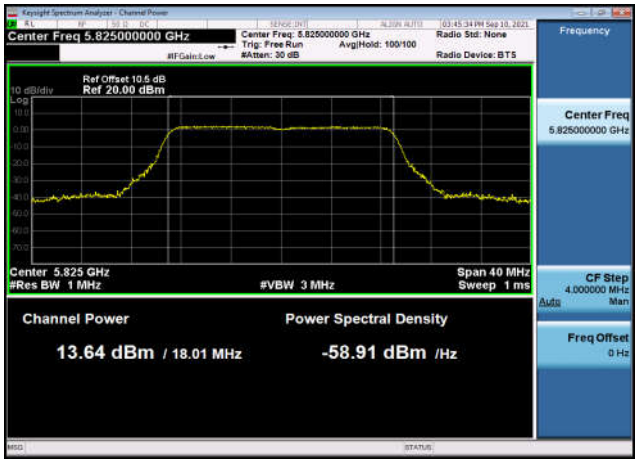
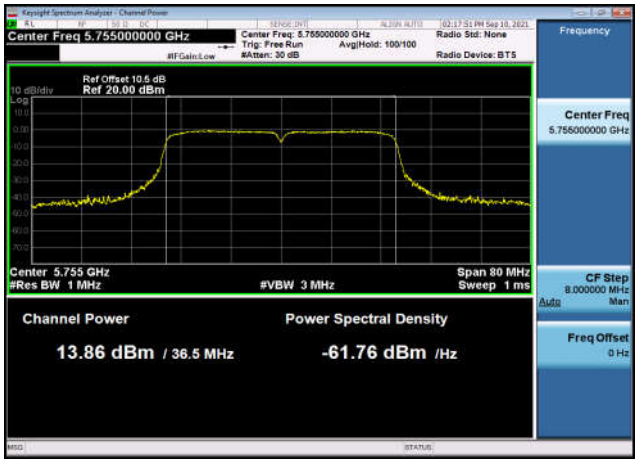
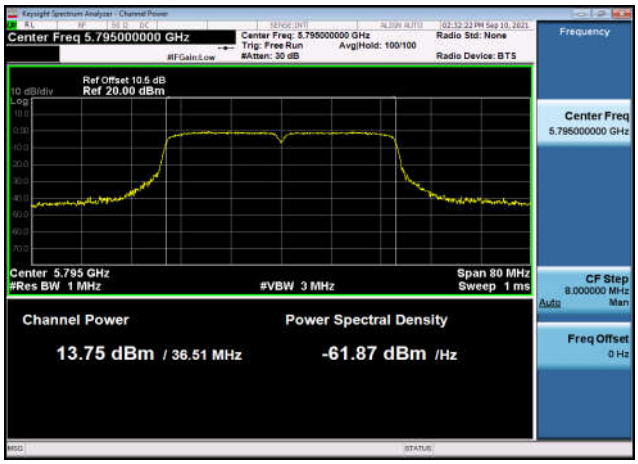
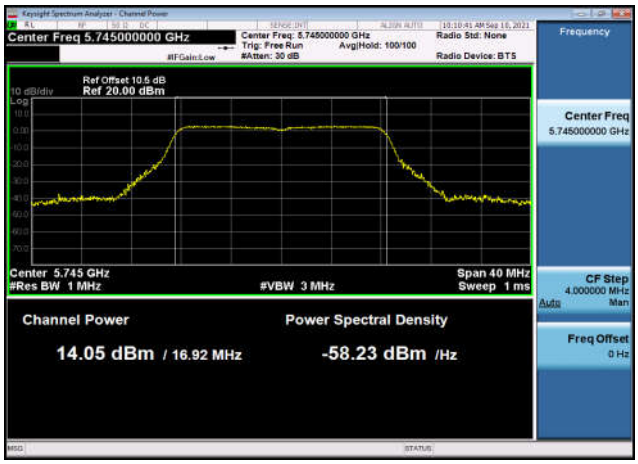
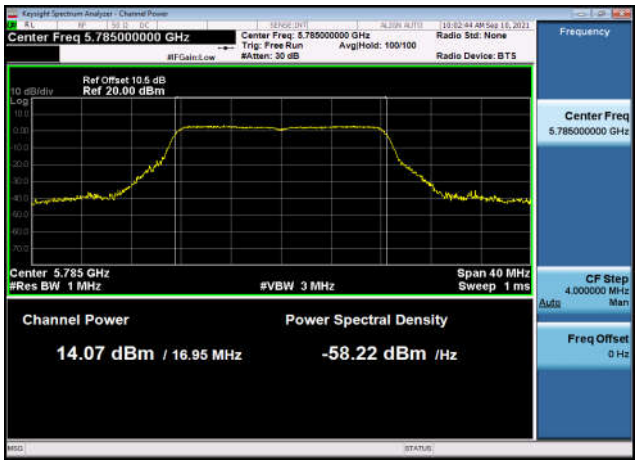
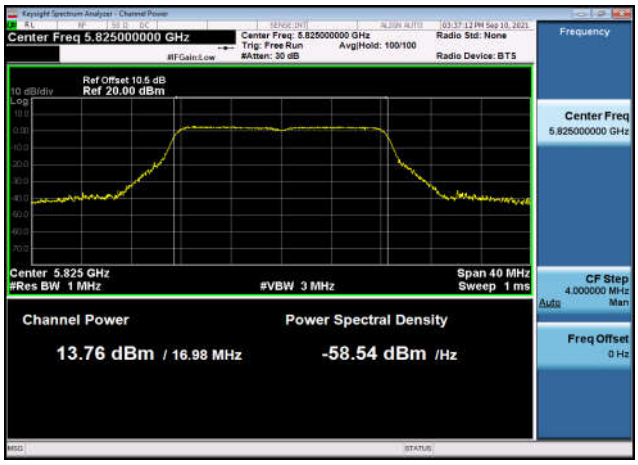
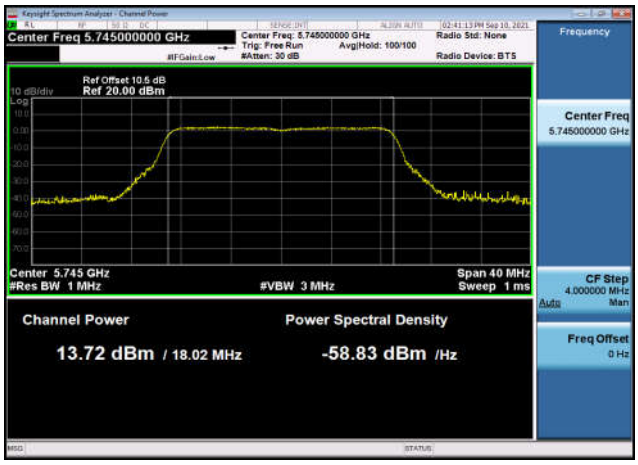
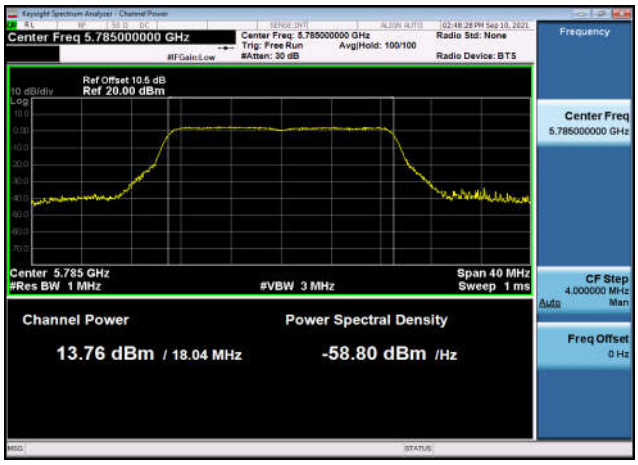
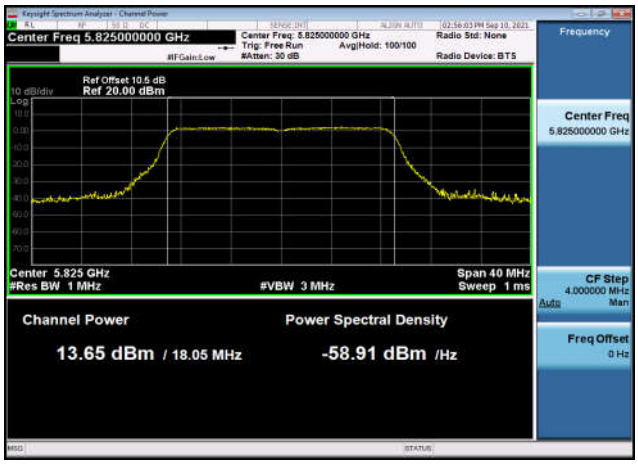
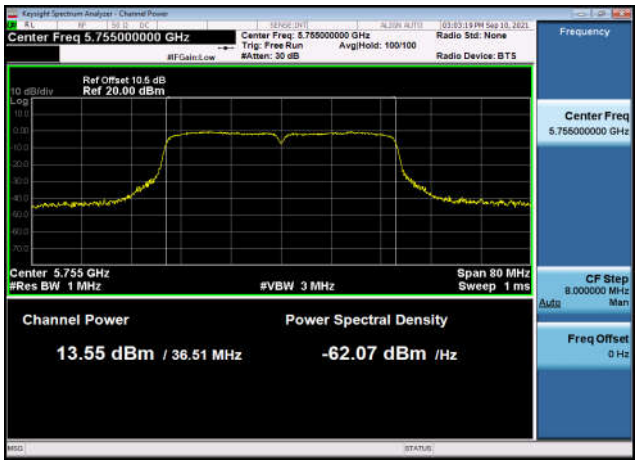
	

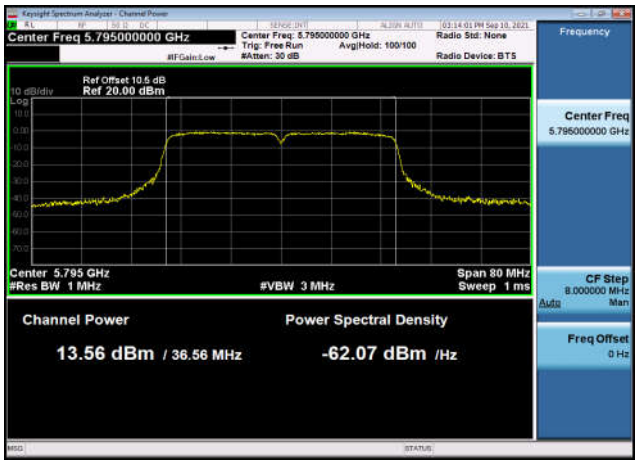
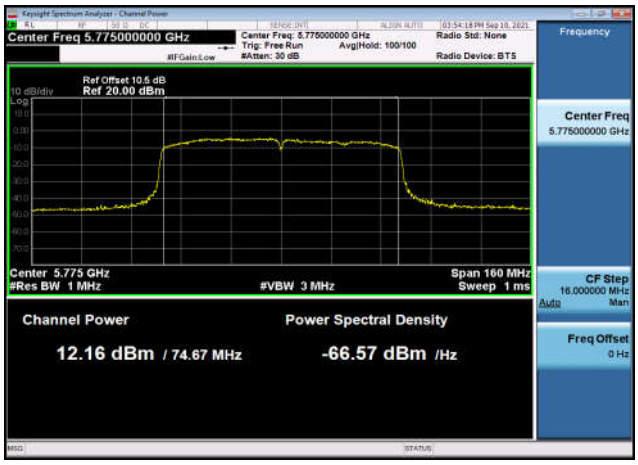
U-NII-2a Output Power-802.11ac(20MHz) ,5320MHz,Ant1	U-NII-2a Output Power-802.11ac(40MHz) ,5270MHz,Ant1
	
U-NII-2a Output Power-802.11ac(40MHz) ,5310MHz,Ant1	U-NII-2a Output Power-802.11ac(80MHz) ,5290MHz,Ant1
	
U-NII-2c Output Power-802.11n(20MHz) ,5500MHz,Ant1	U-NII-2c Output Power-802.11n(20MHz) ,5600MHz,Ant1
	

U-NII-2c Output Power-802.11n(20MHz) ,5700MHz,Ant1	U-NII-2c Output Power-802.11n(40MHz) ,5510MHz,Ant1
	
U-NII-2c Output Power-802.11n(40MHz) ,5670MHz,Ant1	U-NII-2c Output Power-802.11a(20MHz) ,5500MHz,Ant1
	
U-NII-2c Output Power-802.11a(20MHz) ,5600MHz,Ant1	U-NII-2c Output Power-802.11a(20MHz) ,5700MHz,Ant1
	

U-NII-2c Output Power-802.11ac(20MHz) ,5500MHz,Ant1	U-NII-2c Output Power-802.11ac(20MHz) ,5600MHz,Ant1
	
U-NII-2c Output Power-802.11ac(20MHz) ,5700MHz,Ant1	U-NII-2c Output Power-802.11ac(40MHz) ,5510MHz,Ant1
	
U-NII-2c Output Power-802.11ac(40MHz) ,5670MHz,Ant1	U-NII-2c Output Power-802.11ac(80MHz) ,5530MHz,Ant1
	

U-NII-3 Output Power-802.11n(20MHz) ,5745MHz,Ant1	U-NII-3 Output Power-802.11n(20MHz) ,5785MHz,Ant1
	
U-NII-3 Output Power-802.11n(20MHz) ,5825MHz,Ant1	U-NII-3 Output Power-802.11n(40MHz) ,5755MHz,Ant1
	
U-NII-3 Output Power-802.11n(40MHz) ,5795MHz,Ant1	U-NII-3 Output Power-802.11a(20MHz) ,5745MHz,Ant1
	

U-NII-3 Output Power-802.11a(20MHz) ,5785MHz,Ant1	U-NII-3 Output Power-802.11a(20MHz) ,5825MHz,Ant1
	
U-NII-3 Output Power-802.11ac(20MHz) ,5745MHz,Ant1	U-NII-3 Output Power-802.11ac(20MHz) ,5785MHz,Ant1
	
U-NII-3 Output Power-802.11ac(20MHz) ,5825MHz,Ant1	U-NII-3 Output Power-802.11ac(40MHz) ,5755MHz,Ant1
	

U-NII-3 Output Power-802.11ac(40MHz) ,5795MHz,Ant1	U-NII-3 Output Power-802.11ac(80MHz) ,5775MHz,Ant1
	

AVGSA Power Spectral Density

Test Result and Data

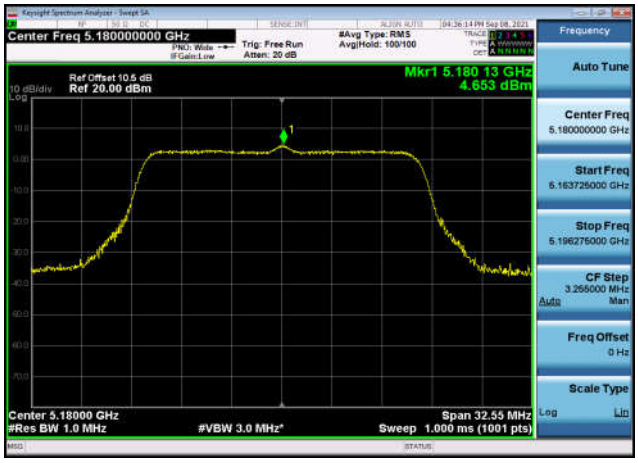
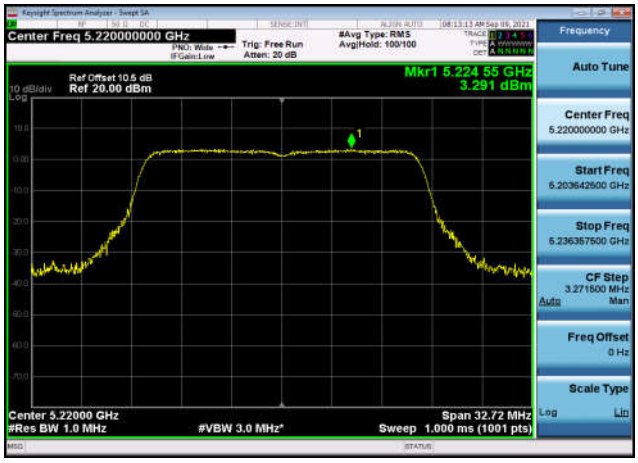
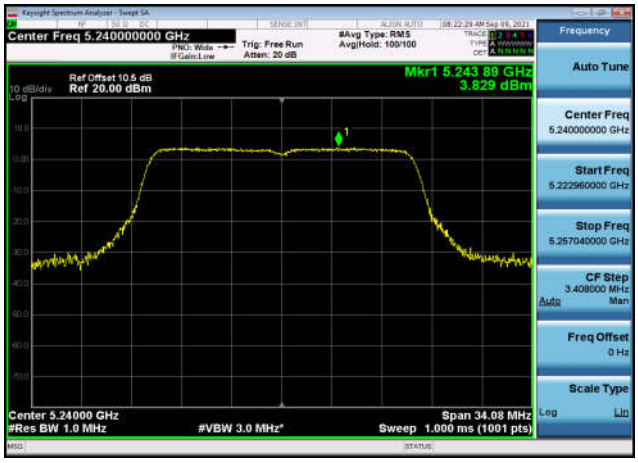
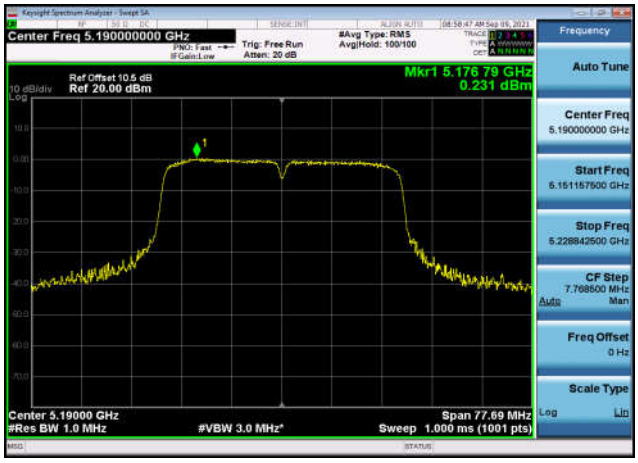
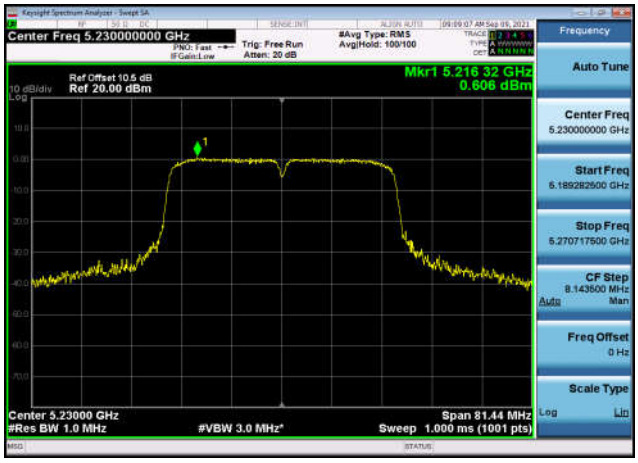
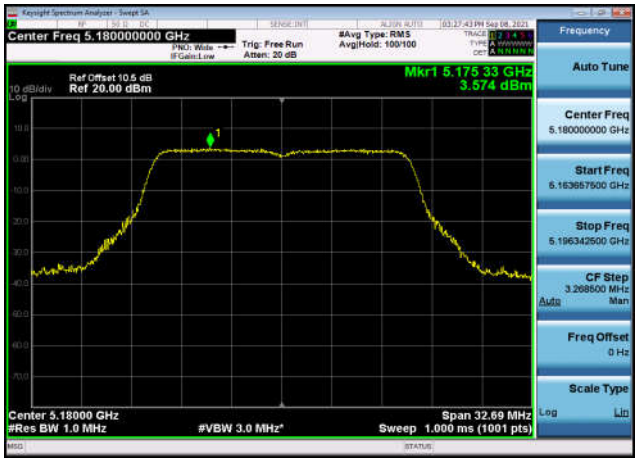
U-NII-1 AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5180	4.653	11	Pass
802.11n (20MHz)	5220	3.291	11	Pass
802.11n (20MHz)	5240	3.829	11	Pass
802.11n (40MHz)	5190	0.231	11	Pass
802.11n (40MHz)	5230	0.606	11	Pass
802.11ac (20MHz)	5180	3.338	11	Pass
802.11ac (20MHz)	5220	2.952	11	Pass
802.11ac (20MHz)	5240	3.640	11	Pass
802.11ac (40MHz)	5190	0.067	11	Pass
802.11ac (40MHz)	5230	0.872	11	Pass
802.11ac (80MHz)	5210	-3.874	11	Pass
802.11a (20MHz)	5180	3.574	11	Pass
802.11a (20MHz)	5220	3.215	11	Pass
802.11a (20MHz)	5240	3.945	11	Pass

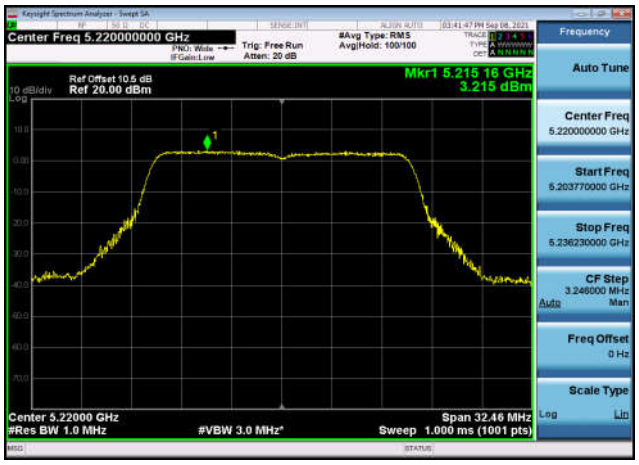
U-NII-2a AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5260	4.096	11	Pass
802.11n (20MHz)	5300	3.513	11	Pass
802.11n (20MHz)	5320	3.773	11	Pass
802.11n (40MHz)	5270	1.114	11	Pass
802.11n (40MHz)	5310	0.578	11	Pass
802.11ac (20MHz)	5260	3.001	11	Pass
802.11ac (20MHz)	5300	3.515	11	Pass
802.11ac (20MHz)	5320	3.804	11	Pass
802.11ac (40MHz)	5270	0.844	11	Pass
802.11ac (40MHz)	5310	0.662	11	Pass
802.11ac (80MHz)	5290	-3.524	11	Pass
802.11a (20MHz)	5260	4.122	11	Pass
802.11a (20MHz)	5300	3.998	11	Pass
802.11a (20MHz)	5320	3.744	11	Pass

U-NII-2c AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5260	3.814	11	Pass
802.11n (20MHz)	5300	3.080	11	Pass
802.11n (20MHz)	5320	5.732	11	Pass
802.11n (40MHz)	5270	0.570	11	Pass
802.11n (40MHz)	5310	0.606	11	Pass
802.11ac (20MHz)	5260	3.953	11	Pass
802.11ac (20MHz)	5300	5.246	11	Pass
802.11ac (20MHz)	5320	5.783	11	Pass
802.11ac (40MHz)	5270	0.471	11	Pass
802.11ac (40MHz)	5310	2.107	11	Pass
802.11ac (80MHz)	5290	-2.798	11	Pass
802.11a (20MHz)	5260	4.139	11	Pass
802.11a (20MHz)	5300	5.266	11	Pass
802.11a (20MHz)	5320	3.736	11	Pass

U-NII-3 AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/510KHz)	Limit (dBm/500KHz)	Result
802.11n (20MHz)	5745	-0.413	30	Pass
802.11n (20MHz)	5785	-0.640	30	Pass
802.11n (20MHz)	5825	-0.071	30	Pass
802.11n (40MHz)	5755	-2.657	30	Pass
802.11n (40MHz)	5795	-3.068	30	Pass
802.11ac (20MHz)	5745	-0.153	30	Pass
802.11ac (20MHz)	5785	-0.473	30	Pass
802.11ac (20MHz)	5825	-0.352	30	Pass
802.11ac (40MHz)	5755	-3.012	30	Pass
802.11ac (40MHz)	5795	-2.353	30	Pass
802.11ac (80MHz)	5775	-7.244	30	Pass
802.11a (20MHz)	5745	0.140	30	Pass
802.11a (20MHz)	5785	0.468	30	Pass
802.11a (20MHz)	5825	-0.101	30	Pass

Test Plots

U-NII-1 Power spectral density-802.11 n(20MHz),5180MHz,Ant1	U-NII-1 Power spectral density-802.11 n(20MHz),5220MHz,Ant1
	
U-NII-1 Power spectral density-802.11 n(20MHz),5240MHz,Ant1	U-NII-1 Power spectral density-802.11 n(40MHz),5190MHz,Ant1
	
U-NII-1 Power spectral density-802.11 n(40MHz),5230MHz,Ant1	U-NII-1 Power spectral density-802.11 a(20MHz),5180MHz,Ant1
	

U-NII-1 Power spectral density-802.11 a(20MHz),5220MHz,Ant1	U-NII-1 Power spectral density-802.11 a(20MHz),5240MHz,Ant1
	
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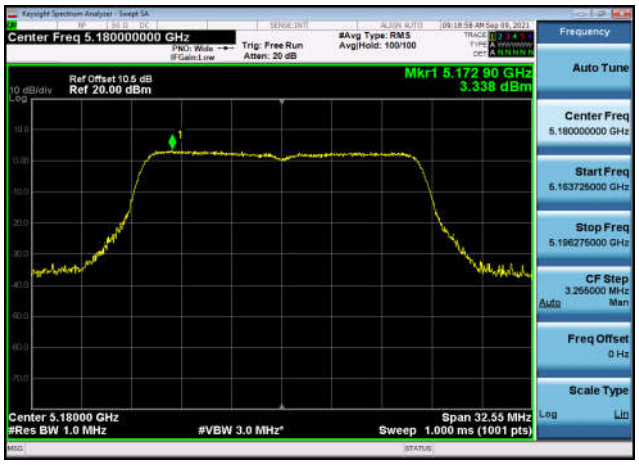
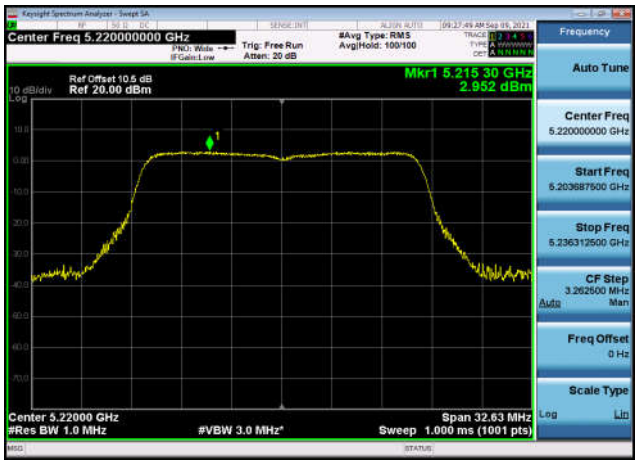
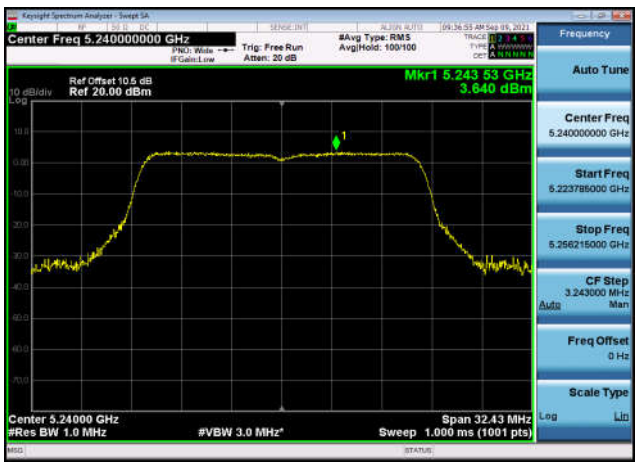
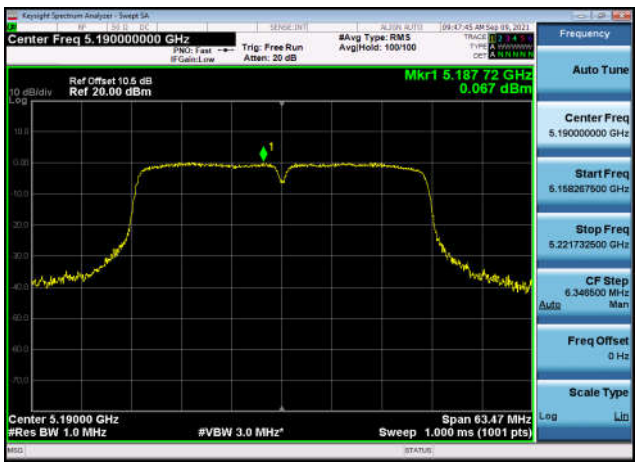
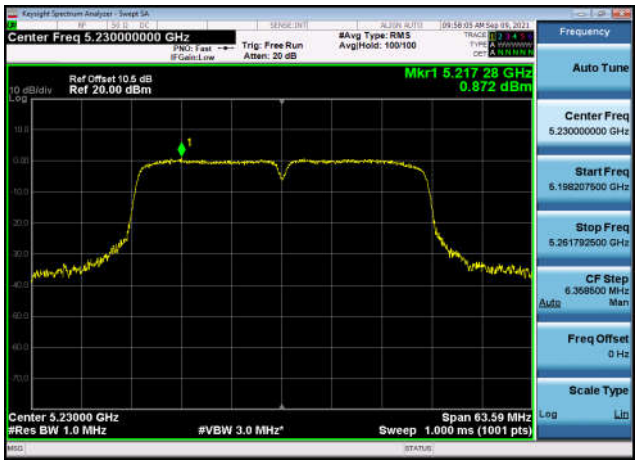
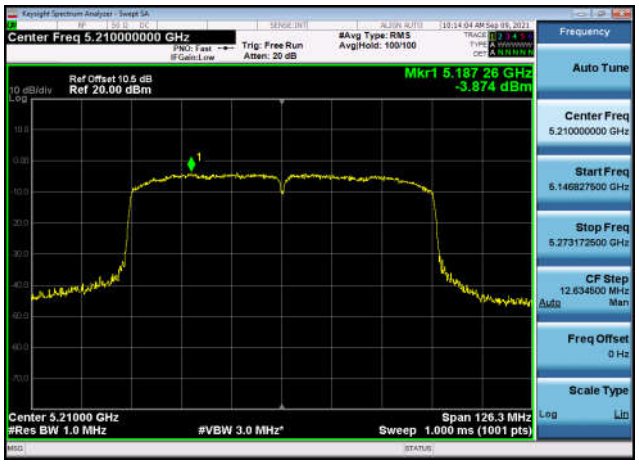
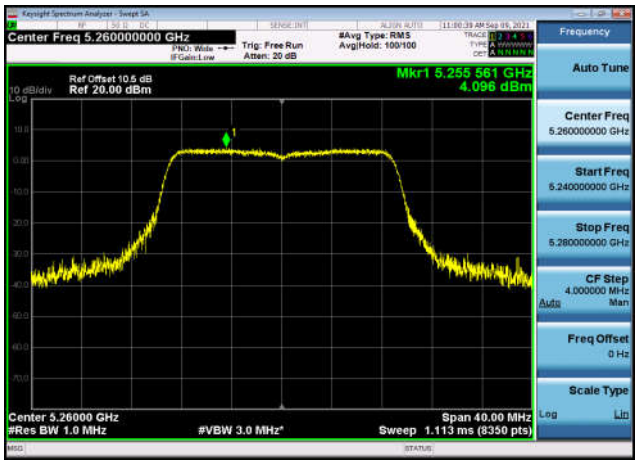
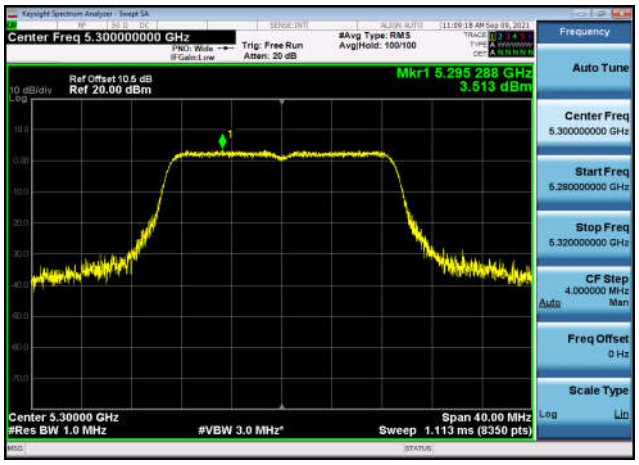
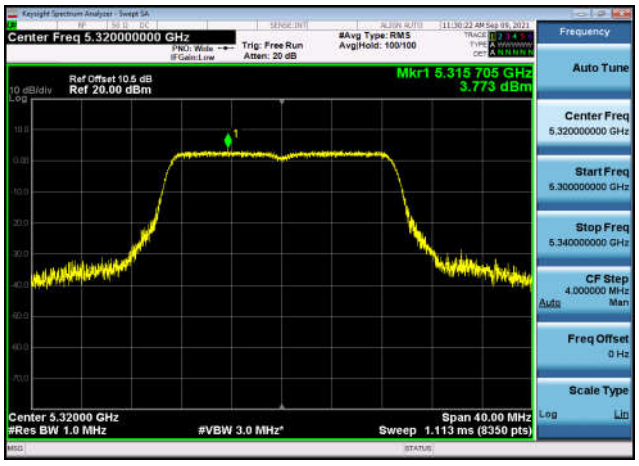
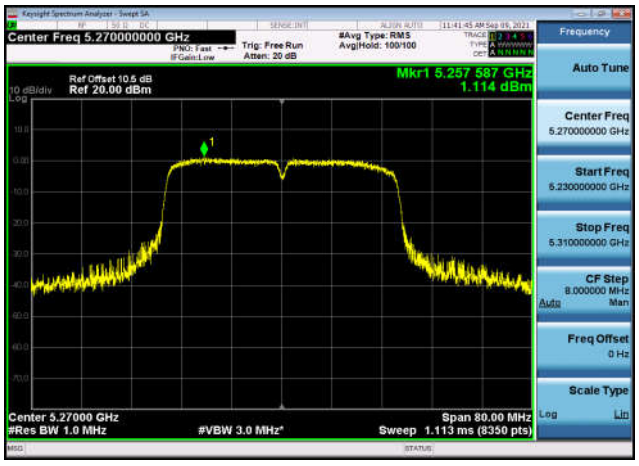
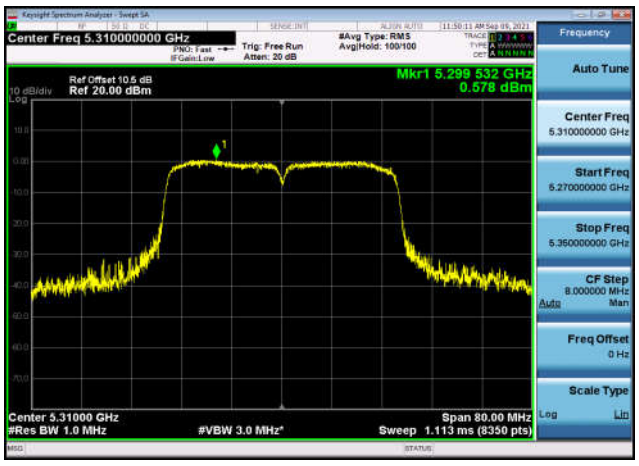
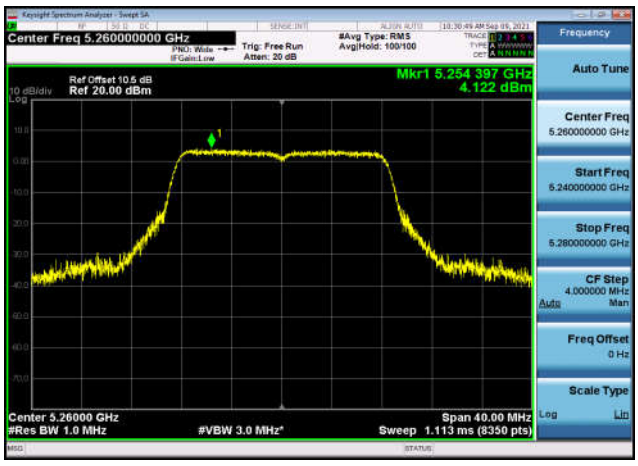
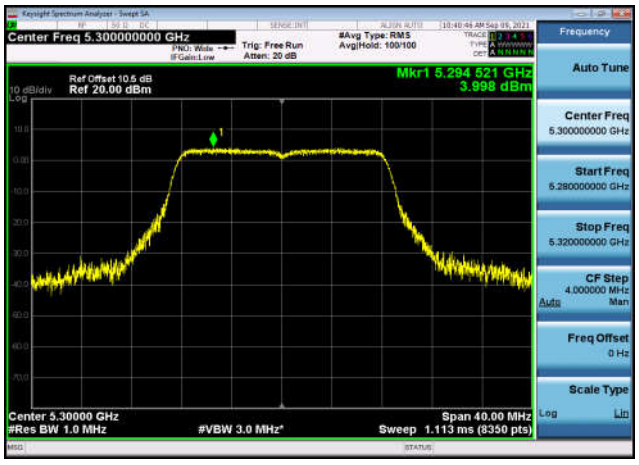
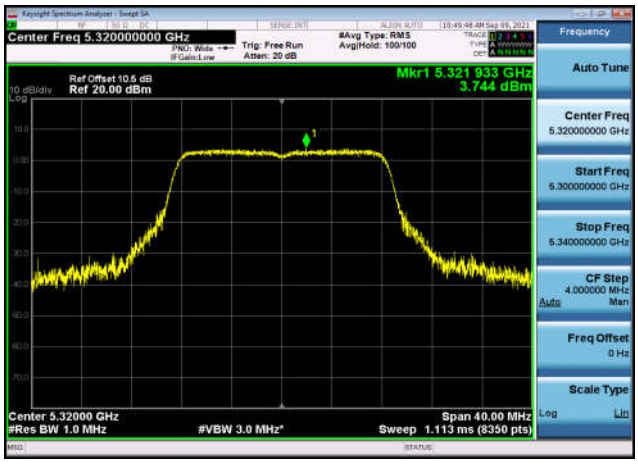
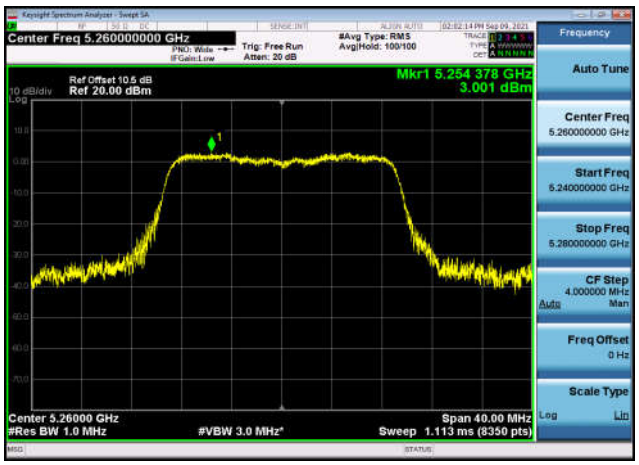
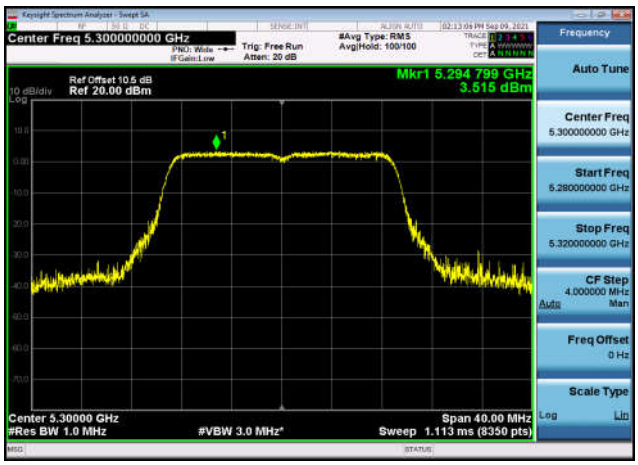
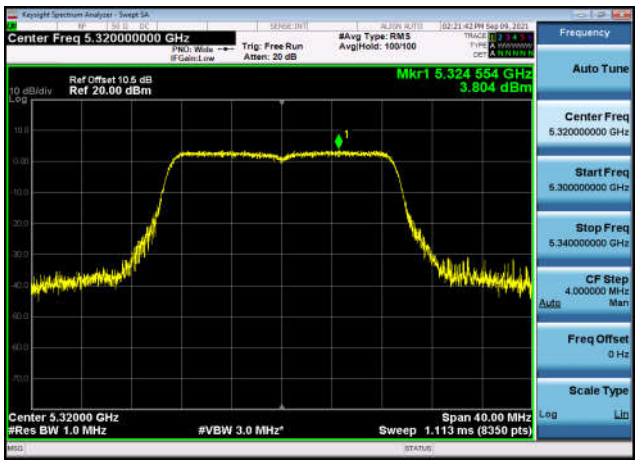
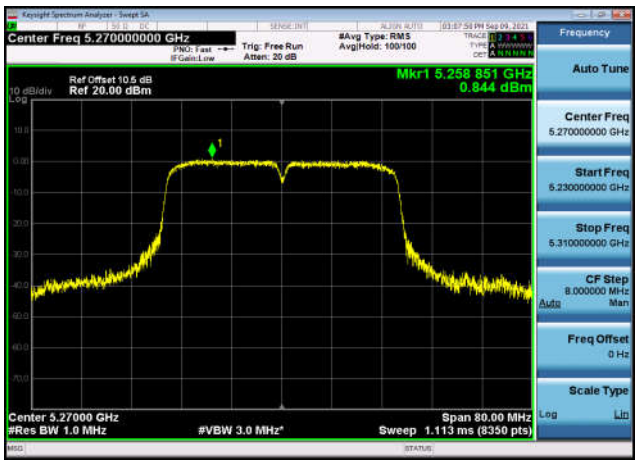
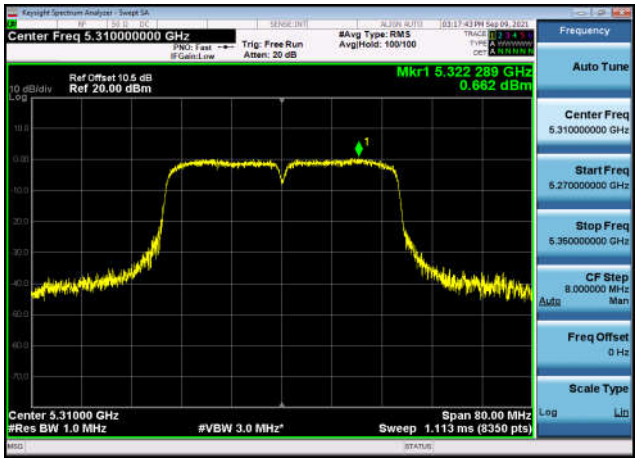
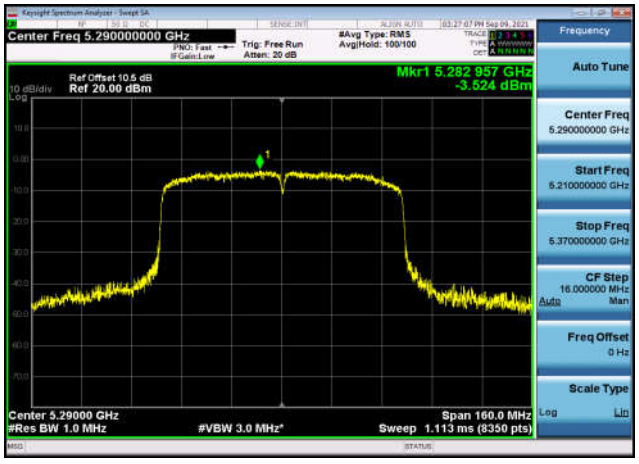
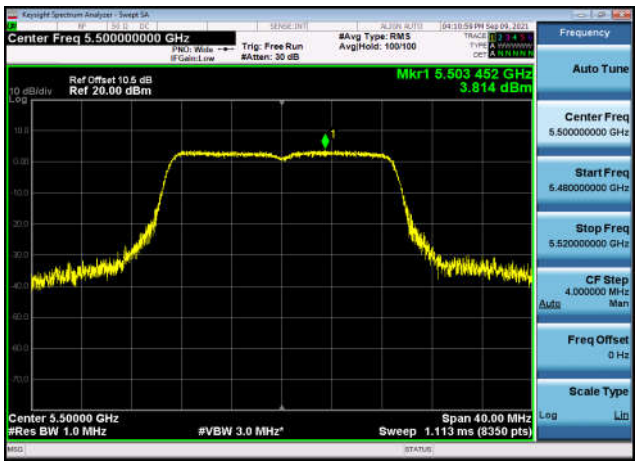
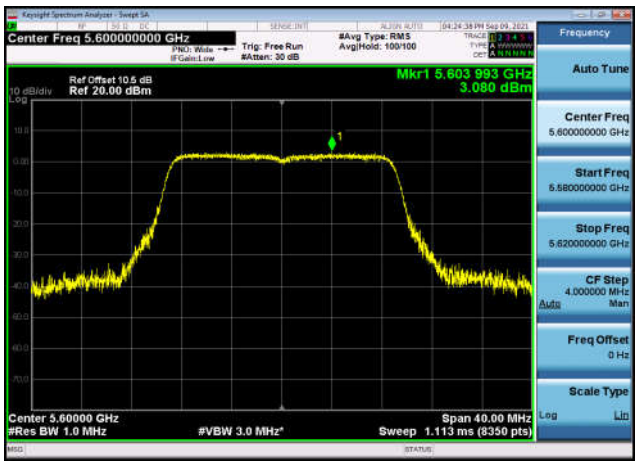
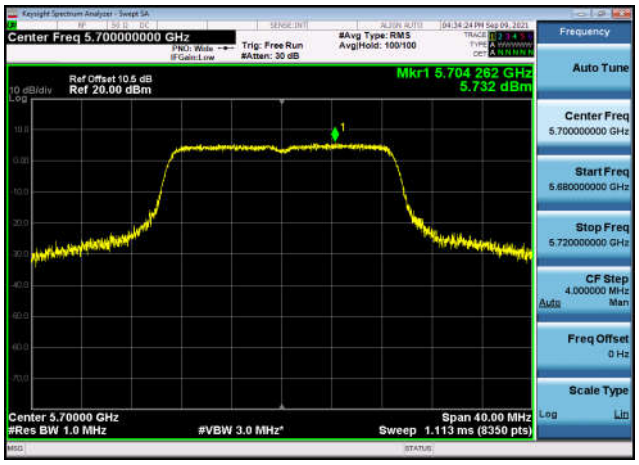
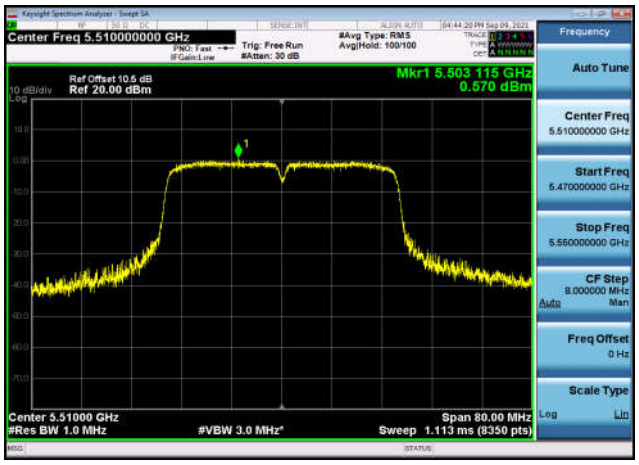
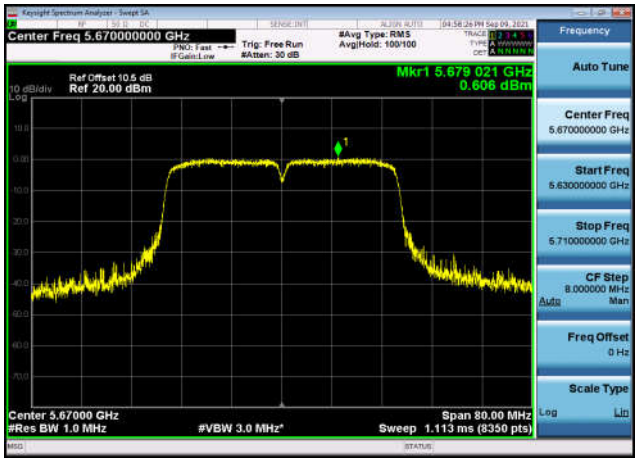
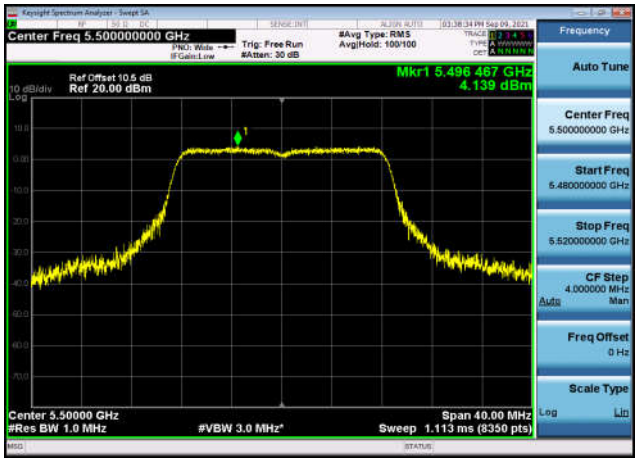
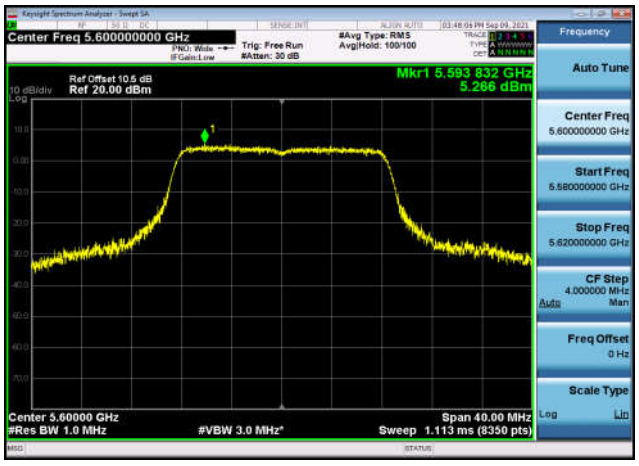
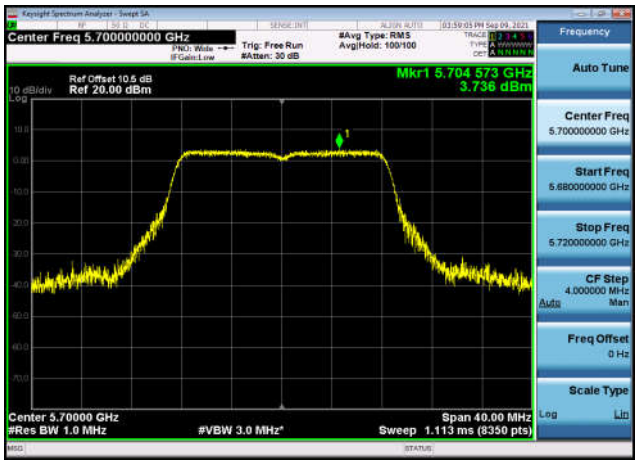
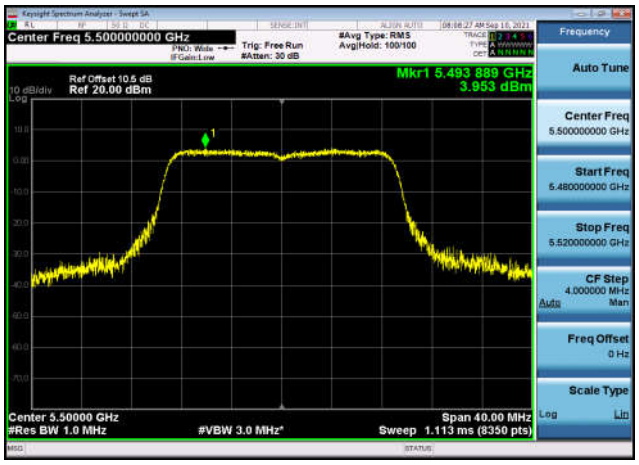
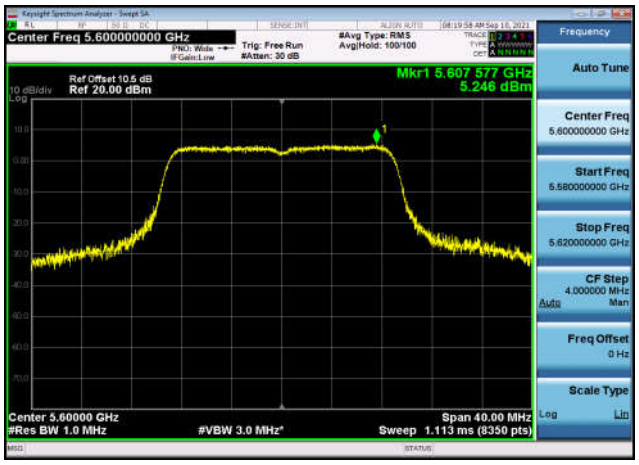
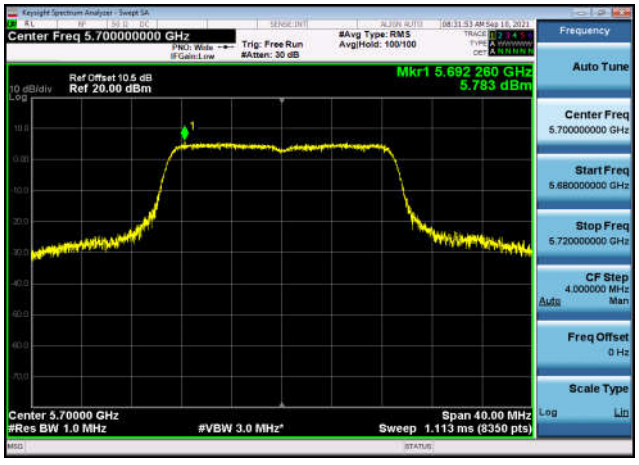
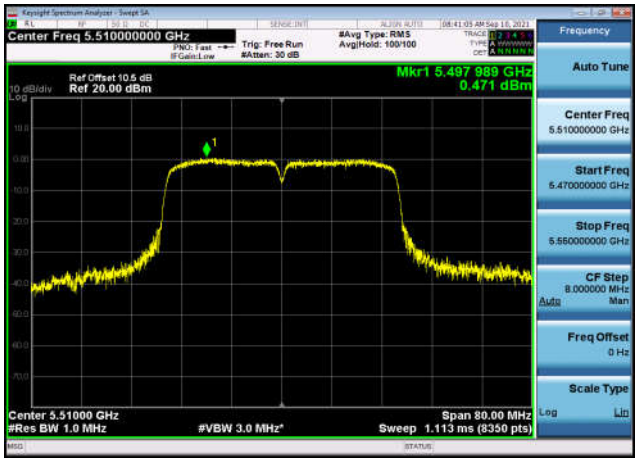
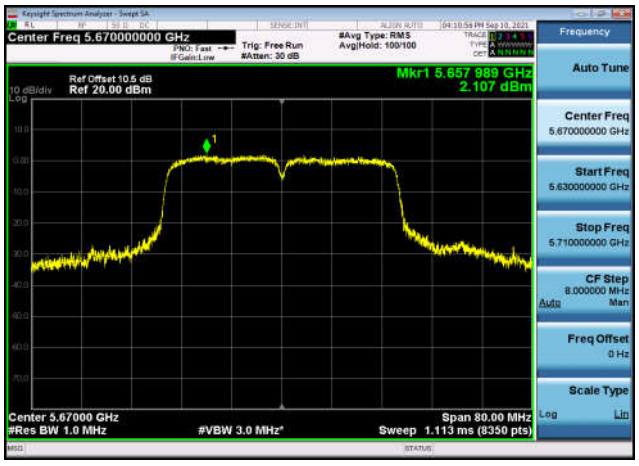
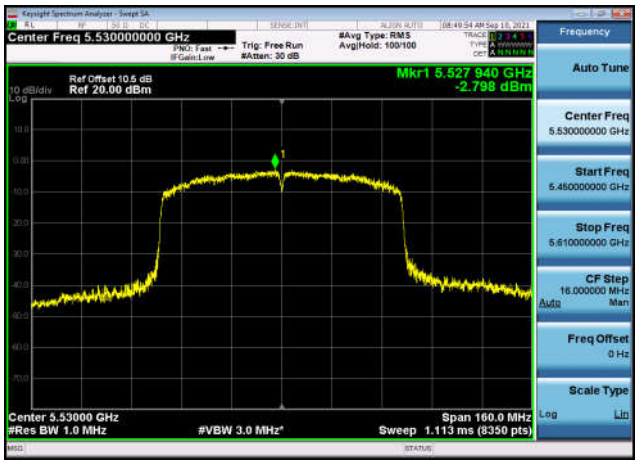
	
U-NII-1 Power spectral density-802.11 ac(20MHz),5240MHz,Ant1	U-NII-1 Power spectral density-802.11 ac(40MHz),5190MHz,Ant1
	

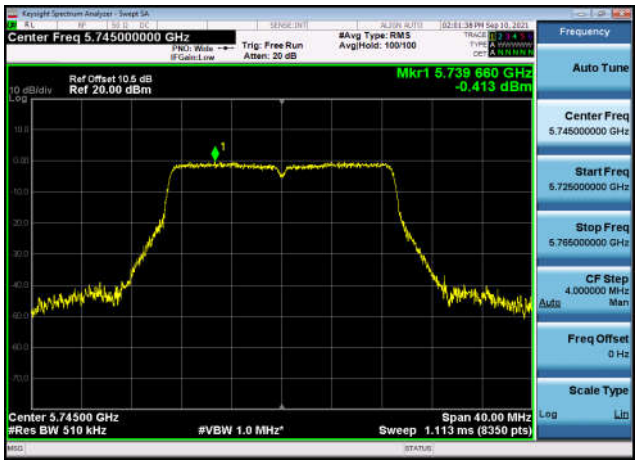
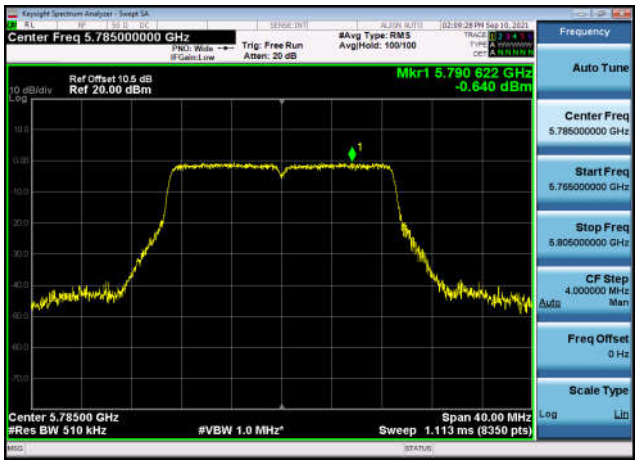
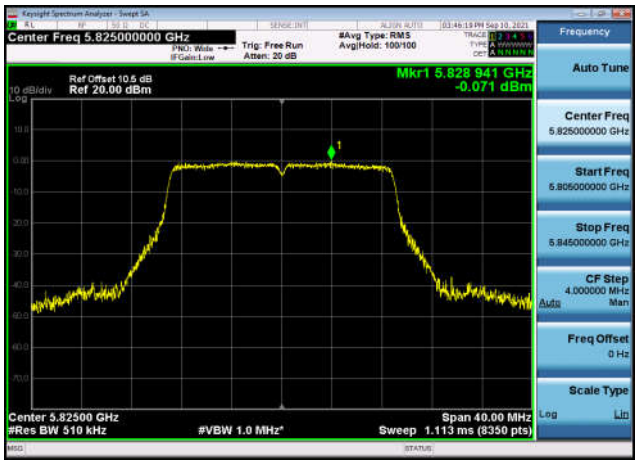
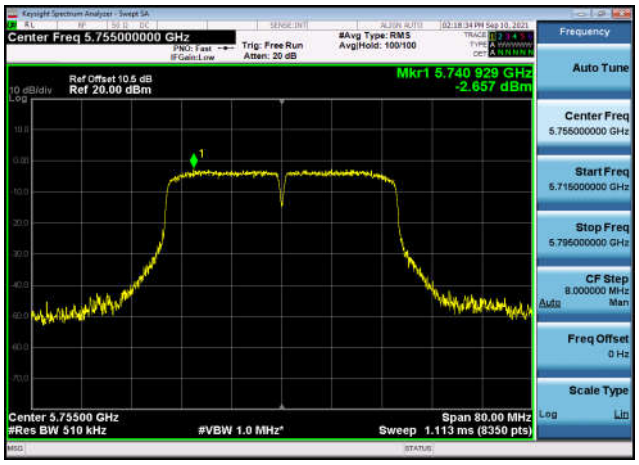
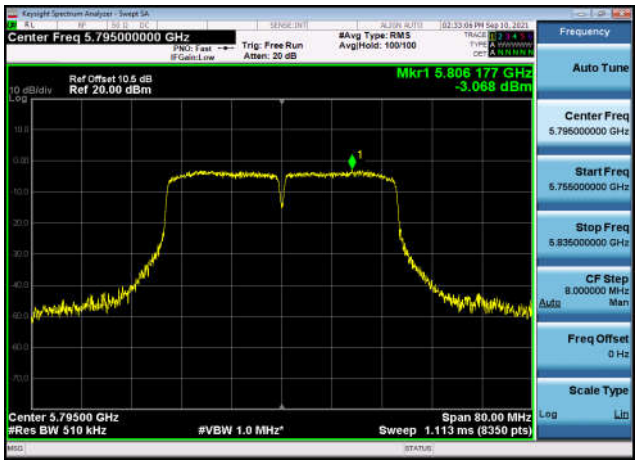
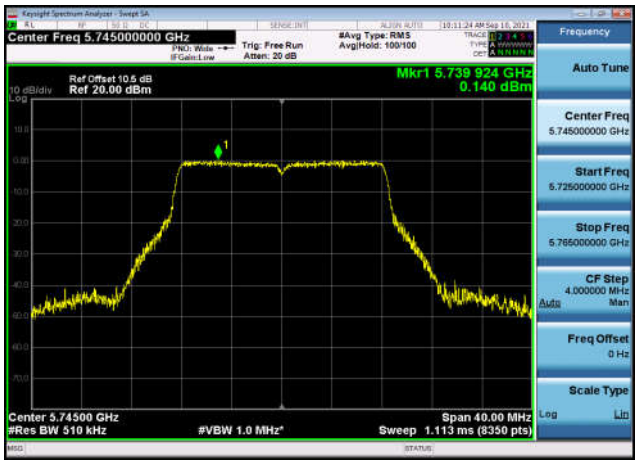
U-NII-1 Power spectral density-802.11 ac(40MHz),5230MHz,Ant1	U-NII-1 Power spectral density-802.11 ac(80MHz),5210MHz,Ant1
	
U-NII-2a Power spectral density-802.1 1n(20MHz),5260MHz,Ant1	U-NII-2a Power spectral density-802.1 1n(20MHz),5300MHz,Ant1
	
U-NII-2a Power spectral density-802.1 1n(20MHz),5320MHz,Ant1	U-NII-2a Power spectral density-802.1 1n(40MHz),5270MHz,Ant1
	

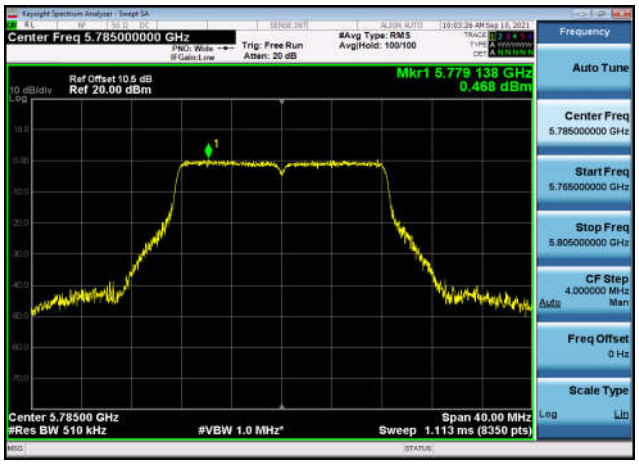
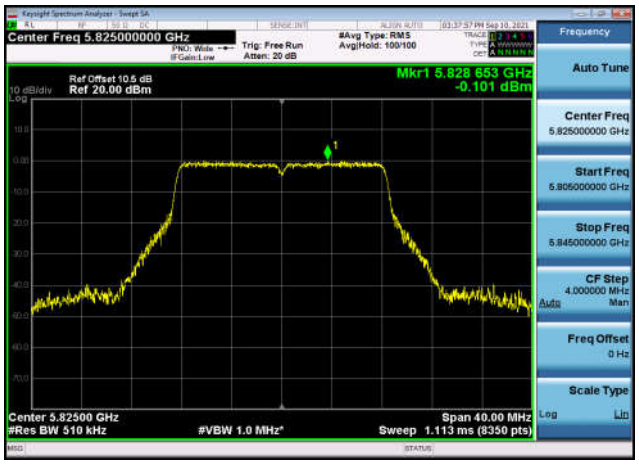
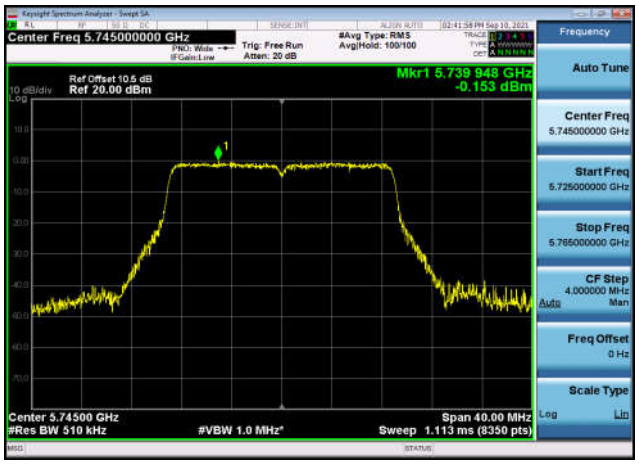
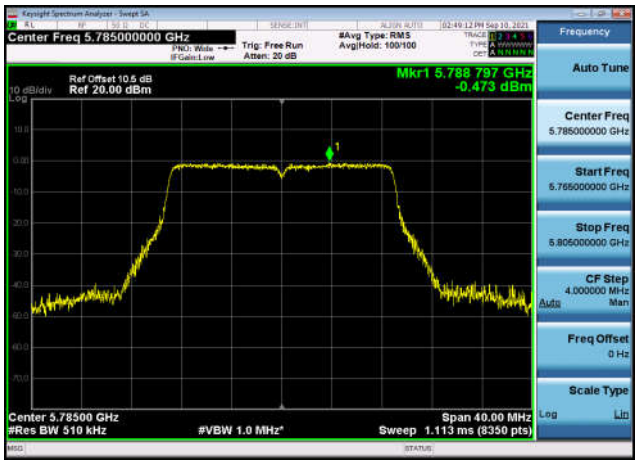
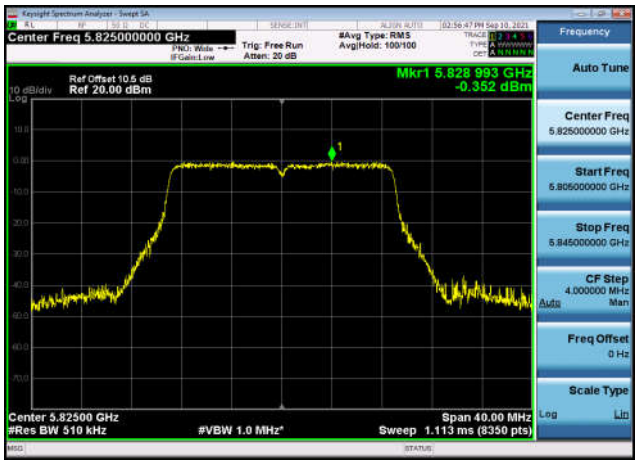
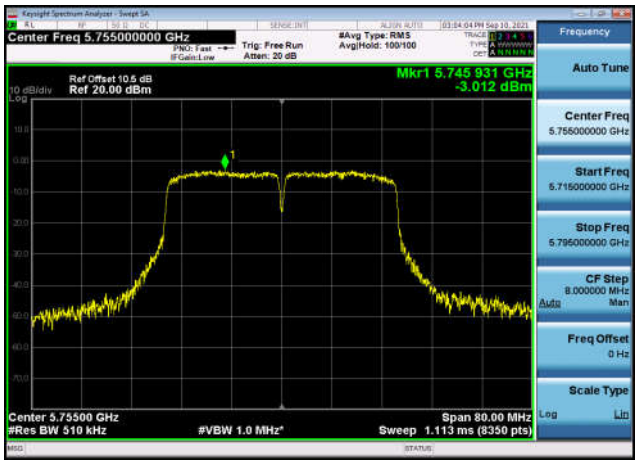
U-NII-2a Power spectral density-802.11n(40MHz),5310MHz,Ant1	U-NII-2a Power spectral density-802.11a(20MHz),5260MHz,Ant1
	
U-NII-2a Power spectral density-802.11a(20MHz),5300MHz,Ant1	U-NII-2a Power spectral density-802.11a(20MHz),5320MHz,Ant1
	
U-NII-2a Power spectral density-802.11ac(20MHz),5260MHz,Ant1	U-NII-2a Power spectral density-802.11ac(20MHz),5300MHz,Ant1
	

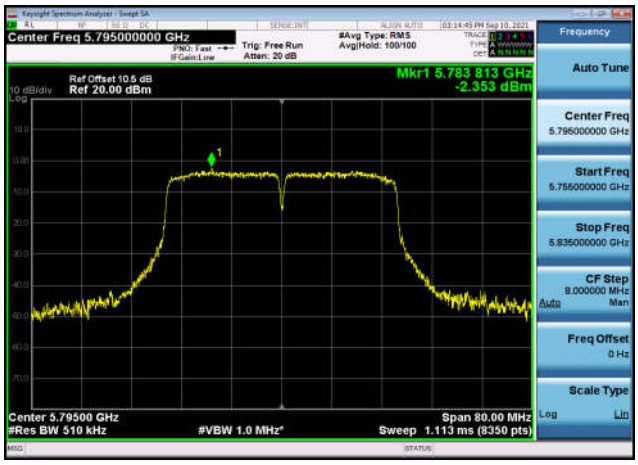
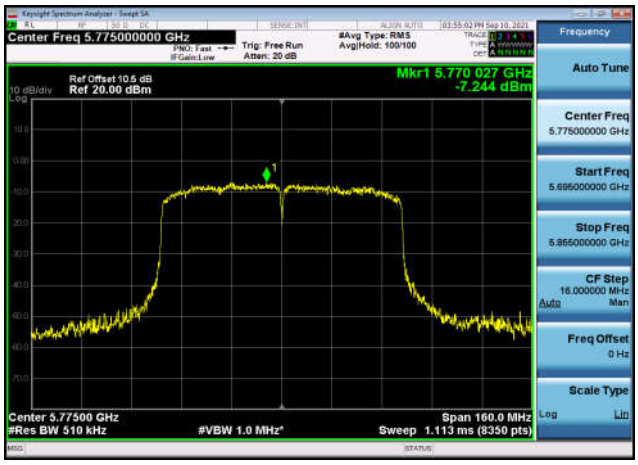
U-NII-2a Power spectral density-802.1 1ac(20MHz),5320MHz,Ant1	U-NII-2a Power spectral density-802.1 1ac(40MHz),5270MHz,Ant1
	
U-NII-2a Power spectral density-802.1 1ac(40MHz),5310MHz,Ant1	U-NII-2a Power spectral density-802.1 1ac(80MHz),5290MHz,Ant1
	
U-NII-2c Power spectral density-802.1 1n(20MHz),5500MHz,Ant1	U-NII-2c Power spectral density-802.1 1n(20MHz),5600MHz,Ant1
	

U-NII-2c Power spectral density-802.1 1n(20MHz),5700MHz,Ant1	U-NII-2c Power spectral density-802.1 1n(40MHz),5510MHz,Ant1
	
U-NII-2c Power spectral density-802.1 1n(40MHz),5670MHz,Ant1	U-NII-2c Power spectral density-802.1 1a(20MHz),5500MHz,Ant1
	
U-NII-2c Power spectral density-802.1 1a(20MHz),5600MHz,Ant1	U-NII-2c Power spectral density-802.1 1a(20MHz),5700MHz,Ant1
	

U-NII-2c Power spectral density-802.1 1ac(20MHz),5500MHz,Ant1	U-NII-2c Power spectral density-802.1 1ac(20MHz),5600MHz,Ant1
	
U-NII-2c Power spectral density-802.1 1ac(20MHz),5700MHz,Ant1	U-NII-2c Power spectral density-802.1 1ac(40MHz),5510MHz,Ant1
	
U-NII-2c Power spectral density-802.1 1ac(40MHz),5670MHz,Ant1	U-NII-2c Power spectral density-802.1 1ac(80MHz),5530MHz,Ant1
	

U-NII-3 Power spectral density-802.11 n(20MHz),5745MHz,Ant1	U-NII-3 Power spectral density-802.11 n(20MHz),5785MHz,Ant1
	
U-NII-3 Power spectral density-802.11 n(20MHz),5825MHz,Ant1	U-NII-3 Power spectral density-802.11 n(40MHz),5755MHz,Ant1
	
U-NII-3 Power spectral density-802.11 n(40MHz),5795MHz,Ant1	U-NII-3 Power spectral density-802.11 a(20MHz),5745MHz,Ant1
	

U-NII-3 Power spectral density-802.11 a(20MHz),5785MHz,Ant1	U-NII-3 Power spectral density-802.11 a(20MHz),5825MHz,Ant1
	
U-NII-3 Power spectral density-802.11 ac(20MHz),5745MHz,Ant1	U-NII-3 Power spectral density-802.11 ac(20MHz),5785MHz,Ant1
	
U-NII-3 Power spectral density-802.11 ac(20MHz),5825MHz,Ant1	U-NII-3 Power spectral density-802.11 ac(40MHz),5755MHz,Ant1
	

U-NII-3 Power spectral density-802.11 ac(40MHz),5795MHz,Ant1	U-NII-3 Power spectral density-802.11 ac(80MHz),5775MHz,Ant1
	

6dB and 26dB Down Bandwidth

Test Result and Data

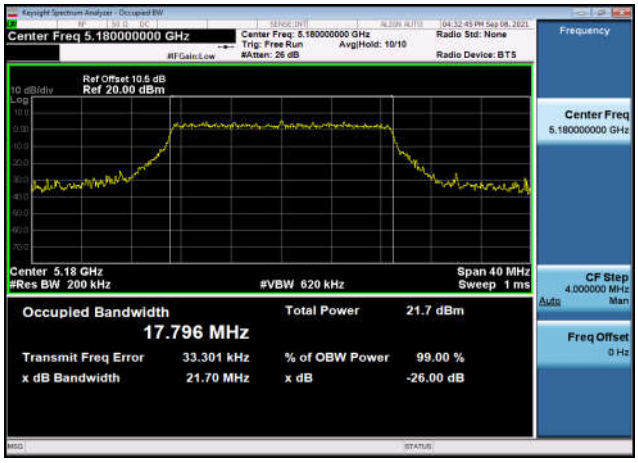
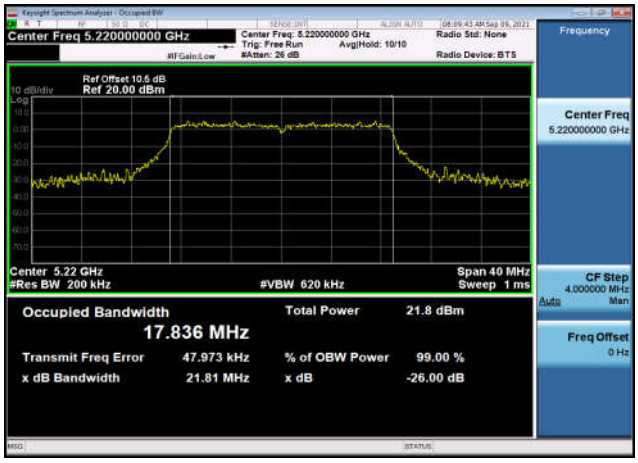
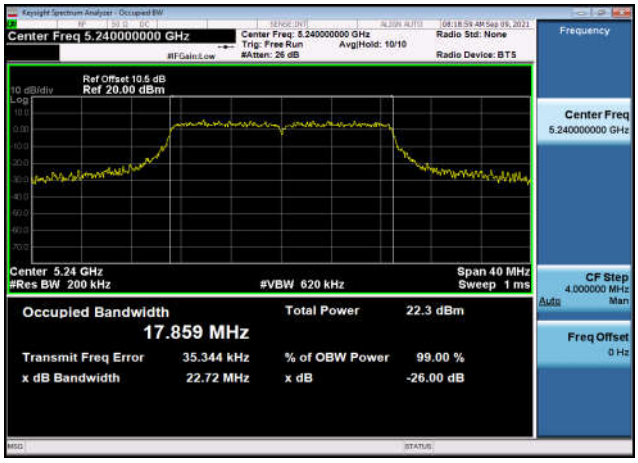
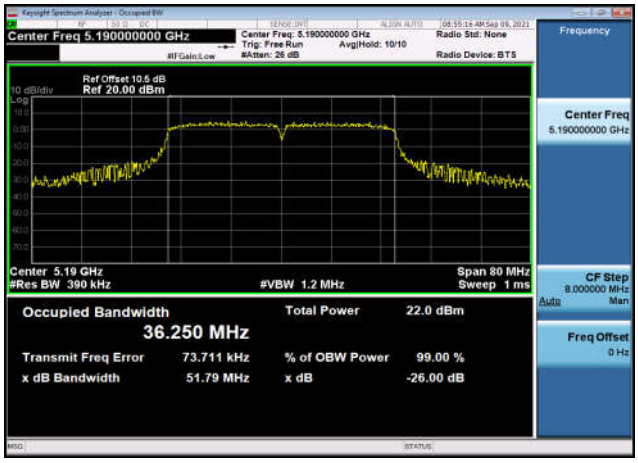
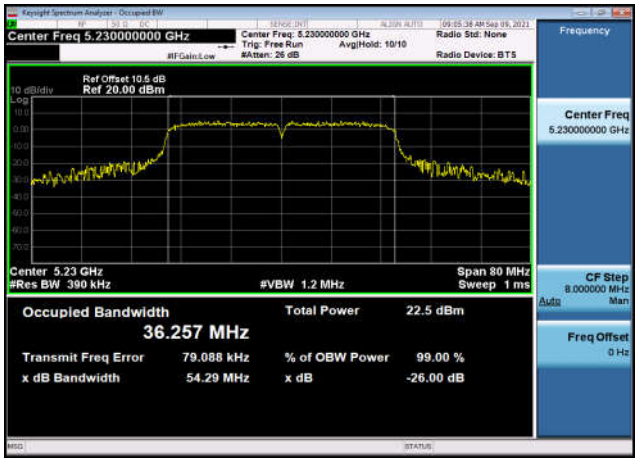
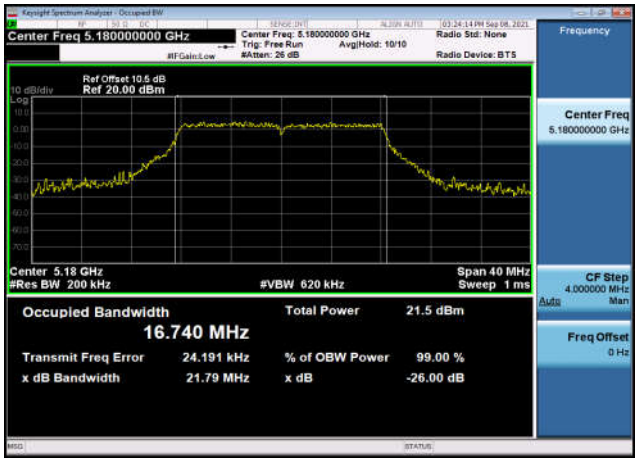
U-NII-1 Occupied 26dB Bandwidth			
Mode	Test Frequency (MHz)	Occupied Bandwidth (MHz)	Result
802.11n (20MHz)	5180	21.70	Pass
802.11n (20MHz)	5220	21.81	Pass
802.11n (20MHz)	5240	22.72	Pass
802.11n (40MHz)	5190	51.79	Pass
802.11n (40MHz)	5230	54.29	Pass
802.11ac (20MHz)	5180	21.70	Pass
802.11ac (20MHz)	5220	21.75	Pass
802.11ac (20MHz)	5240	21.62	Pass
802.11ac (40MHz)	5190	42.31	Pass
802.11ac (40MHz)	5230	42.39	Pass
802.11ac (80MHz)	5210	84.23	Pass
802.11a (20MHz)	5180	21.79	Pass
802.11a (20MHz)	5220	21.64	Pass
802.11a (20MHz)	5240	24.44	Pass

U-NII-2a Occupied 26dB Bandwidth			
Mode	Test Frequency (MHz)	Occupied Bandwidth (MHz)	Result
802.11n (20MHz)	5260	22.33	Pass
802.11n (20MHz)	5300	22.13	Pass
802.11n (20MHz)	5320	22.28	Pass
802.11n (40MHz)	5270	51.88	Pass
802.11n (40MHz)	5310	51.24	Pass
802.11ac (20MHz)	5260	21.60	Pass
802.11ac (20MHz)	5300	21.61	Pass
802.11ac (20MHz)	5320	21.56	Pass
802.11ac (40MHz)	5270	41.94	Pass
802.11ac (40MHz)	5310	41.89	Pass
802.11ac (80MHz)	5290	84.79	Pass
802.11a (20MHz)	5260	21.95	Pass
802.11a (20MHz)	5300	21.61	Pass
802.11a (20MHz)	5320	21.87	Pass

U-NII-2c Occupied 26dB Bandwidth			
Mode	Test Frequency (MHz)	Occupied Bandwidth (MHz)	Result
802.11n (20MHz)	5500	21.98	Pass
802.11n (20MHz)	5580	22.06	Pass
802.11n (20MHz)	5700	25.80	Pass
802.11n (40MHz)	5510	55.81	Pass
802.11n (40MHz)	5670	45.71	Pass
802.11ac (20MHz)	5500	22.54	Pass
802.11ac (20MHz)	5580	24.66	Pass
802.11ac (20MHz)	5700	29.48	Pass
802.11ac (40MHz)	5510	42.01	Pass
802.11ac (40MHz)	5670	69.89	Pass
802.11ac (80MHz)	5530	84.68	Pass
802.11a (20MHz)	5500	22.27	Pass
802.11a (20MHz)	5580	25.53	Pass
802.11a (20MHz)	5700	21.95	Pass

U-NII-3 Occupied 6dB Bandwidth				
Mode	Test Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (KHz)	Result
802.11n (20MHz)	5745	17.64	500	Pass
802.11n (20MHz)	5785	17.62	500	Pass
802.11n (20MHz)	5825	17.62	500	Pass
802.11n (40MHz)	5755	35.17	500	Pass
802.11n (40MHz)	5795	35.18	500	Pass
802.11ac (20MHz)	5745	17.62	500	Pass
802.11ac (20MHz)	5785	17.60	500	Pass
802.11ac (20MHz)	5825	17.61	500	Pass
802.11ac (40MHz)	5755	35.28	500	Pass
802.11ac (40MHz)	5795	35.16	500	Pass
802.11ac (80MHz)	5775	75.28	500	Pass
802.11a (20MHz)	5745	16.41	500	Pass
802.11a (20MHz)	5785	16.38	500	Pass
802.11a (20MHz)	5825	16.42	500	Pass

Test Plots

U-NII-1 26dB Bandwidth-802.11n(20MHz) ,5180MHz,Ant1	U-NII-1 26dB Bandwidth-802.11n(20MHz) ,5220MHz,Ant1
	
U-NII-1 26dB Bandwidth-802.11n(20MHz) ,5240MHz,Ant1	U-NII-1 26dB Bandwidth-802.11n(40MHz) ,5190MHz,Ant1
	
U-NII-1 26dB Bandwidth-802.11n(40MHz) ,5230MHz,Ant1	U-NII-1 26dB Bandwidth-802.11a(20MHz) ,5180MHz,Ant1
	

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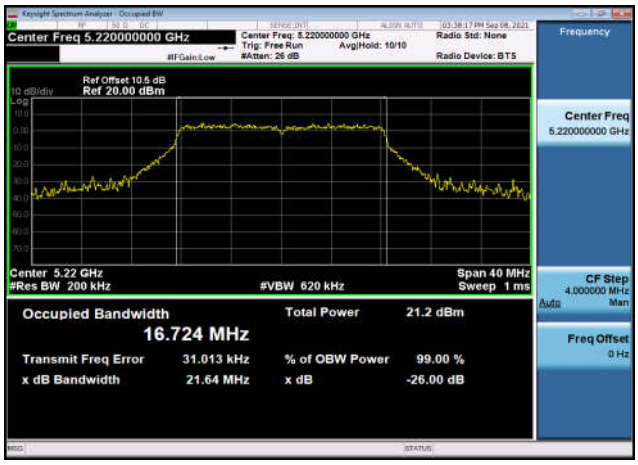	
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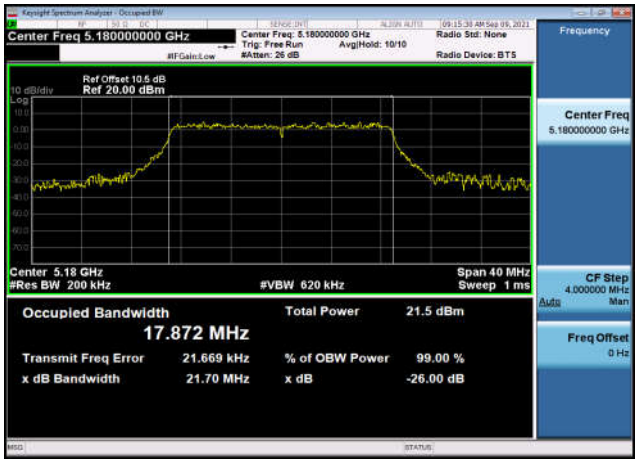	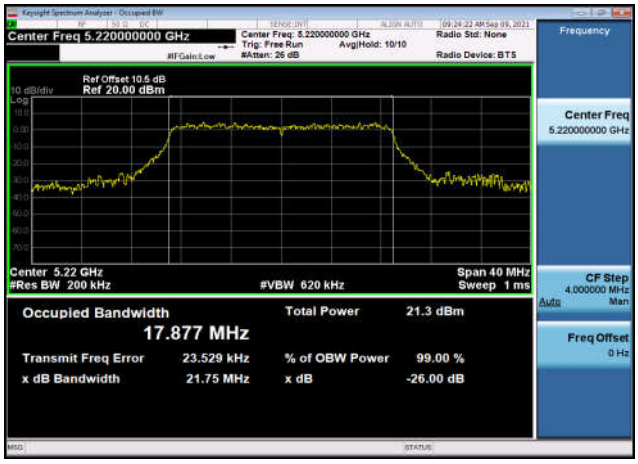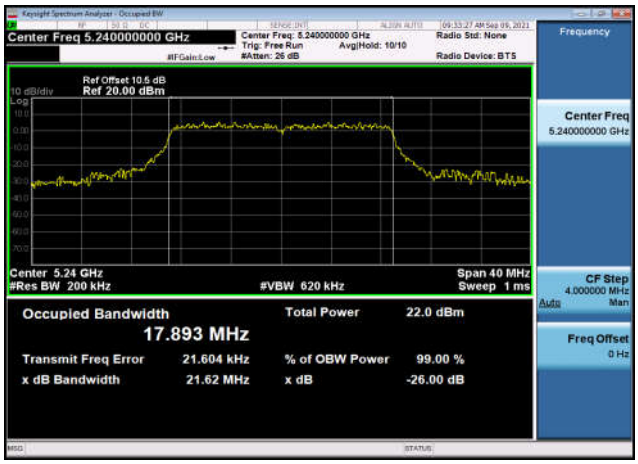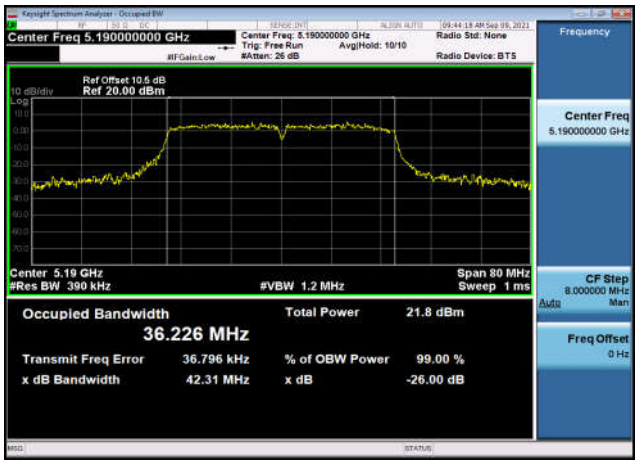
U-NII-1 26dB Bandwidth-802.11ac(20MHz),5240MHz,Ant1	U-NII-1 26dB Bandwidth-802.11ac(40MHz),5190MHz,Ant1