



# RF TEST REPORT

**Report No.:** SET2020-06189

**Product Name:** 5G NR Multi model smart phone

**FCC ID:** SRQ-ZTG01

**Model No. :** ZTG01

**Marketing Name:** TBD

**Applicant:** ZTE Corporation.

**Address:** ZTE Plaza, Keji Road South, Shenzhen, China.

**Dates of Testing:** 05/20/2020 —06/15/2020

**Issued by:** CCIC Southern Testing Co., Ltd.

**Lab Location:** Electronic Testing Building, No. 43 Shahe Road, Xili Street,  
Nanshan District, Shenzhen, Guangdong, China.

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## Test Report

**Product Name** ..... : 5G NR Multi model smart phone

**Brand Name** ..... : ZTE

**Trade Name** ..... : ZTE

**Applicant** ..... : ZTE Corporation.

**Applicant Address** ..... : ZTE Plaza, Keji Road South, Shenzhen, China.

**Manufacturer** ..... : ZTE Corporation.

**Manufacturer Address** ..... : ZTE Plaza, Keji Road South, Shenzhen, China.

**Test Standards** ..... : 47 CFR Part 15 Subpart E 15.407

**Test Result** ..... : PASS

**Tested by** ..... : *Vincent*  
2020.06.15  
\_\_\_\_\_  
Vincent, Test Engineer

**Reviewed by** ..... : *Chris You*  
2020.06.15  
\_\_\_\_\_  
Chris You, Senior Engineer

**Approved by** ..... : *Shuangwen Zhang*  
2020.06.15  
\_\_\_\_\_  
Shuangwen Zhang, Manager



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Change History		
Issue	Date	Reason for change
1.0	2020.06.15	First edition

## 1. General Information

### 1.1. EUT Description

EUT Type	5G NR Multi model smart phone
EUT supports Radios application	WLAN5.0GHz 802.11a/n (HT20/40)/ac(VHT20/40)
Product Type	Indoor
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(SISO) 802.11n : up to 135 Mbps(MIMO) 802.11ac: up to 400Mbps(MIMO)
Frequency Range	Band UNII-1: 5150 ~ 5250MHz Band UNII-2a: 5250 ~ 5350MHz Band UNII-2c: 5500 ~ 5700MHz
Channel Bandwidth	802.11a: 20MHz, 802.11n: 20MHz/40MHz 802.11ac: 20MHz/40MHz/80MHz
Antenna Type	Internal
Antenna Gain	ANT0:0.9dBi, ANT0:0.24dBi
Output Power (Max.)	Band UNII-1: 16.51dBm Band UNII-2a: 14.86dBm Band UNII-2c: 15.00dBm

Frequency	Modulation Mode	TX / RX Function
5.0GHz	802.11a	1TX / 1RX
	802.11n (HT20)	1TX / 1RX or 2TX / 2RX
	802.11n (HT40)	1TX / 1RX or 2TX / 2RX
	802.11ac (VHT20)	1TX / 1RX or 2TX / 2RX
	802.11ac (VHT40)	1TX / 1RX or 2TX / 2RX

## 1.2. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart E for the EUT FCC Certification:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E § 15.407	Radio Frequency Devices
2	KDB Publication 789033D02v01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
6	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 )	N/A
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	122	5610

#### 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 and MIMO, 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:

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		
Frequency	5610 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, CH46 (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 10	TX AC40 Mode / CH54, CH62 (UNII-2A)
Mode 11	TX AC80 Mode / CH58, CH62 (UNII-2A)
Mode 12	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 13	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 14	TX N40 Mode / CH102, CH134 (UNII-2C)
Mode 15	TX AC20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 16	TX AC40 Mode / CH102, CH134 (UNII-2C)
Mode 17	TX AC80 Mode / CH106, CH122 (UNII-2C)
Mode 18	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 18	TX Mode

For Radiated Test	
Final 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, CH46 (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 10	TX AC40 Mode / CH54, CH62 (UNII-2A)
Mode 11	TX AC80 Mode / CH58, CH62 (UNII-2A)
Mode 12	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 13	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 14	TX N40 Mode / CH102, CH134 (UNII-2C)
Mode 15	TX AC20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 16	TX AC40 Mode / CH102, CH134 (UNII-2C)
Mode 17	TX AC80 Mode / CH106, CH122 (UNII-2C)
Mode 18	TX Mode

## 1.5. Power level setup in software

Power level setup in software for 5G wifi			
UNII-1 ( Antenna 0 )			
Frequency ( MHz )	5180	5220	5240
A mode	18	18	18
Frequency ( MHz )	5180	5220	5240
N20 mode	17	17	17
Frequency ( MHz )	5190	5230	\
N40 mode	17	17	\
Frequency ( MHz )	5180	5220	5240
AC20 mode	17	17	17
Frequency ( MHz )	5190	5230	\
AC40 mode	17	17	\
Frequency ( MHz )	5210		
AC80 mode	17		

Power level setup in software for 5G wifi			
UNII-1 ( Antenna 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 ( Antenna 0 )			
Frequency ( MHz )	5260	5300	5320
A mode	16	16	16
Frequency ( MHz )	5260	5300	5320
N20 mode	16	16	16
Frequency ( MHz )	5270	5310	\
N40 mode	16	16	\
Frequency ( MHz )	5260	5300	5320
AC20 mode	16	16	16
Frequency ( MHz )	5270	5310	\
AC40 mode	16	16	\
Frequency ( MHz )	5290		\
AC80 mode	16		\

Power level setup in software for 5G wifi			
UNII-2A ( Antenna 1 )			
Frequency ( MHz )	5260	5300	5320
A mode	15	15	15
Frequency ( MHz )	5260	5300	5320
N20 mode	15	15	13
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	16		



Power level setup in software for 5G wifi			
UNII-2C ( Antenna 0 )			
Frequency ( MHz )	5500	5580	5700
A mode	15	15	15
Frequency ( MHz )	5500	5580	5700
N20 mode	15	15	15
Frequency ( MHz )	5510	5670	\
N40 mode	14	14	\
Frequency ( MHz )	5500	5580	5700
AC20 mode	15	15	15
Frequency ( MHz )	5510	5670	\
AC40 mode	14	14	\
Frequency ( MHz )	5530	5610	\
AC80 mode	14	14	\

Power level setup in software for 5G wifi			
UNII-2C ( Antenna 1 )			
Frequency ( MHz )	5500	5580	5700
A mode	15	15	15
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	5610	\
AC80 mode	14	14	\



## **1.6. Laboratory Facilities**

### **FCC-Registration No.: CN5031**

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: CN5031, valid time is until December 31, 2020.

### **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 Dec. 31, 2020.

### **NVLAP Lab Code: 201008-0**

CCIC-SET is a third party testing organization accredited by NVLAP according to ISO/IEC 17025. The accreditation certificate number is 201008-0.

## 2. 47 CFR Part 15E 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 System	Cyclic Delay Diversity(CDD)
	2 antennas are correlated with each other
Antenna Type	PCB

#### 2.1.3. Antenna Gain

Antenna	Gain(dBi)	Correlated ANT Gain(dBi)
0	0.9	3.587
1	0.24	

Unequal antenna gains, with equal transmit powers:

Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$  dBi

#### 2.1.4. 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)

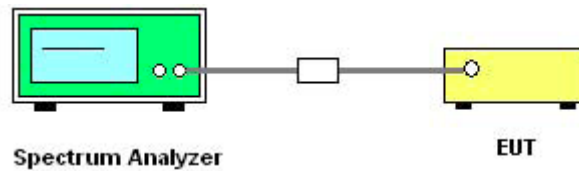
The maximum conducted output power should not exceed:

Band	EUT Category	Limit
U-NII-1	<input type="checkbox"/> 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)
	<input type="checkbox"/> Fixed point-to-point Access device	1 Watt (30 dBm)
	<input type="checkbox"/> Indoor Access Point	1 Watt (30 dBm)
	<input checked="" type="checkbox"/> Mobile and portable client device	250mW (24 dBm)
U-NII-2A	<input checked="" type="checkbox"/>	250mW (24 dBm) or 11dBm+10logB* Whichever is less.
U-NII-2C	<input checked="" type="checkbox"/>	250mW (24 dBm) or 11dBm+10logB* Whichever is less.
U-NII-3	<input type="checkbox"/>	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 v02 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

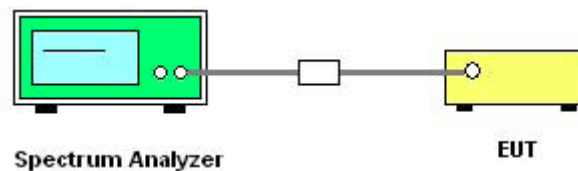
There is no limit bandwidth for band U-NII-1, U-NII-2A and U-NII-2C.

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 v02.

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)

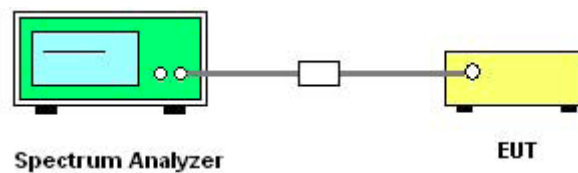
The maximum power spectral density should not exceed:

Band	EUT Category	Limit
U-NII-1	<input type="checkbox"/> Access Point (Master device)	17 dBm/MHz
	<input type="checkbox"/> Fixed point-to-point Access device	
	<input checked="" type="checkbox"/> Mobile and portable client device	11 dBm/MHz
U-NII-2A	<input checked="" type="checkbox"/>	11 dBm/MHz
U-NII-2C	<input checked="" type="checkbox"/>	11 dBm/MHz
U-NII-3	<input type="checkbox"/>	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 v02.
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

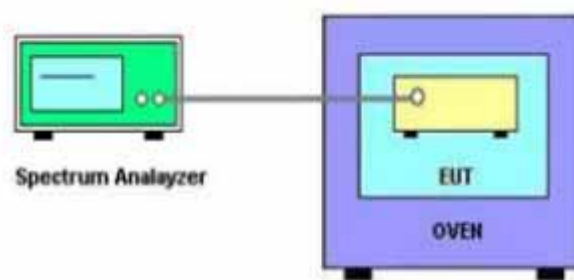
### 2.5.1. Limit

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 ( $\mu\text{V}/\text{m}$ )	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 v01	Field Strength at 3m	
	PK:74(dB $\mu\text{V}/\text{m}$ )	AV:54 (dB $\mu\text{V}/\text{m}$ )

Frequency Band (MHz)	Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (3m) (dB $\mu\text{V}/\text{m}$ )
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:

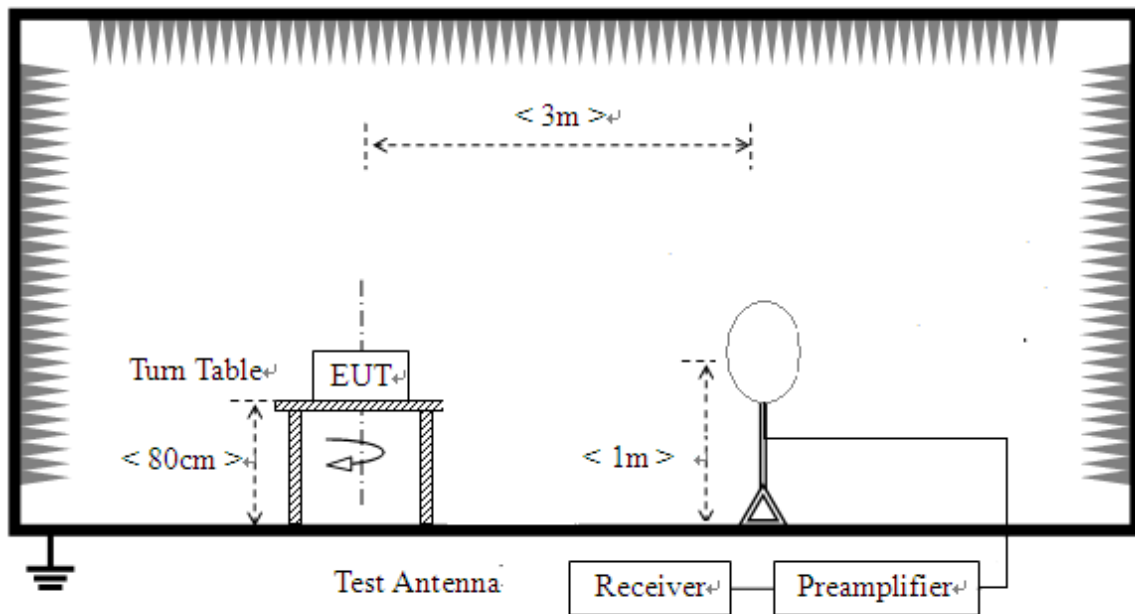
$$E = \frac{1000000 \sqrt{30P}}{3} \mu\text{V/m, where } P \text{ is the eirp (Watts).}$$

### 2.6.2. Measuring Instruments

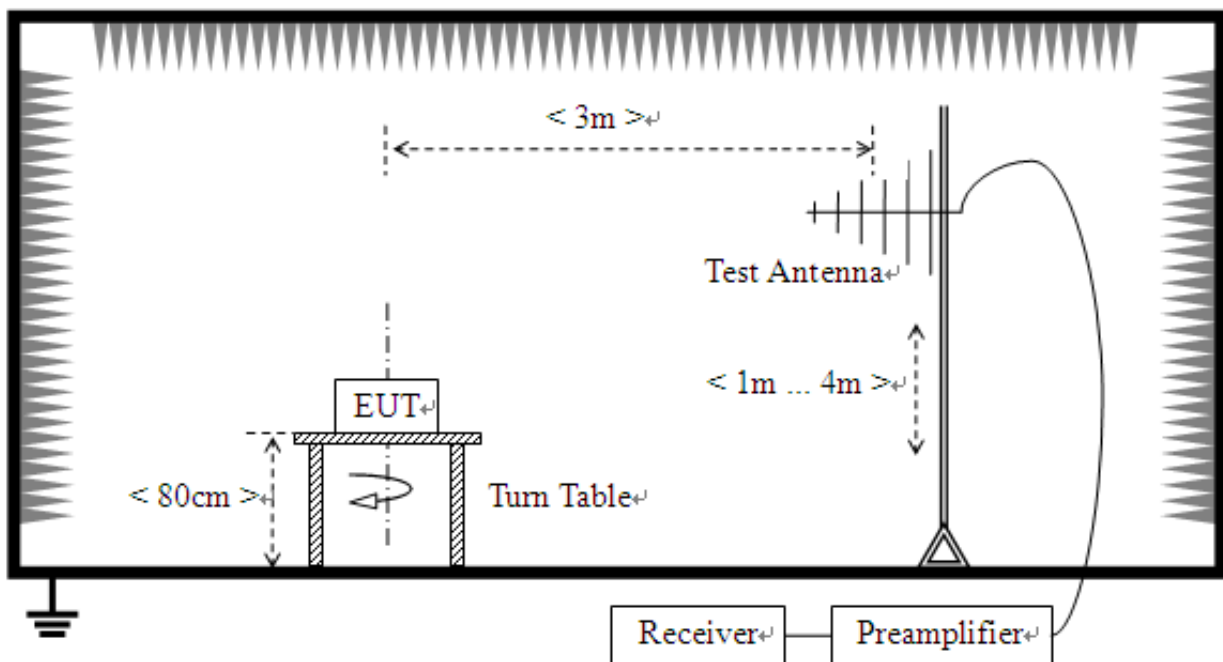
The measuring equipment is listed in the section 3 of this test report.

### 2.6.3. Test Setup

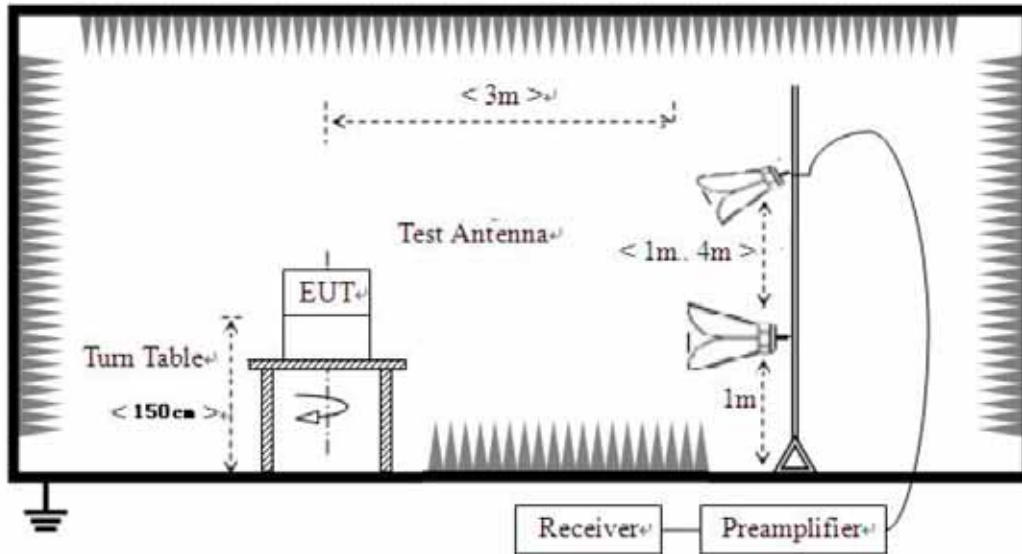
For radiated emissions from 9 KHz to 30 MHz



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:

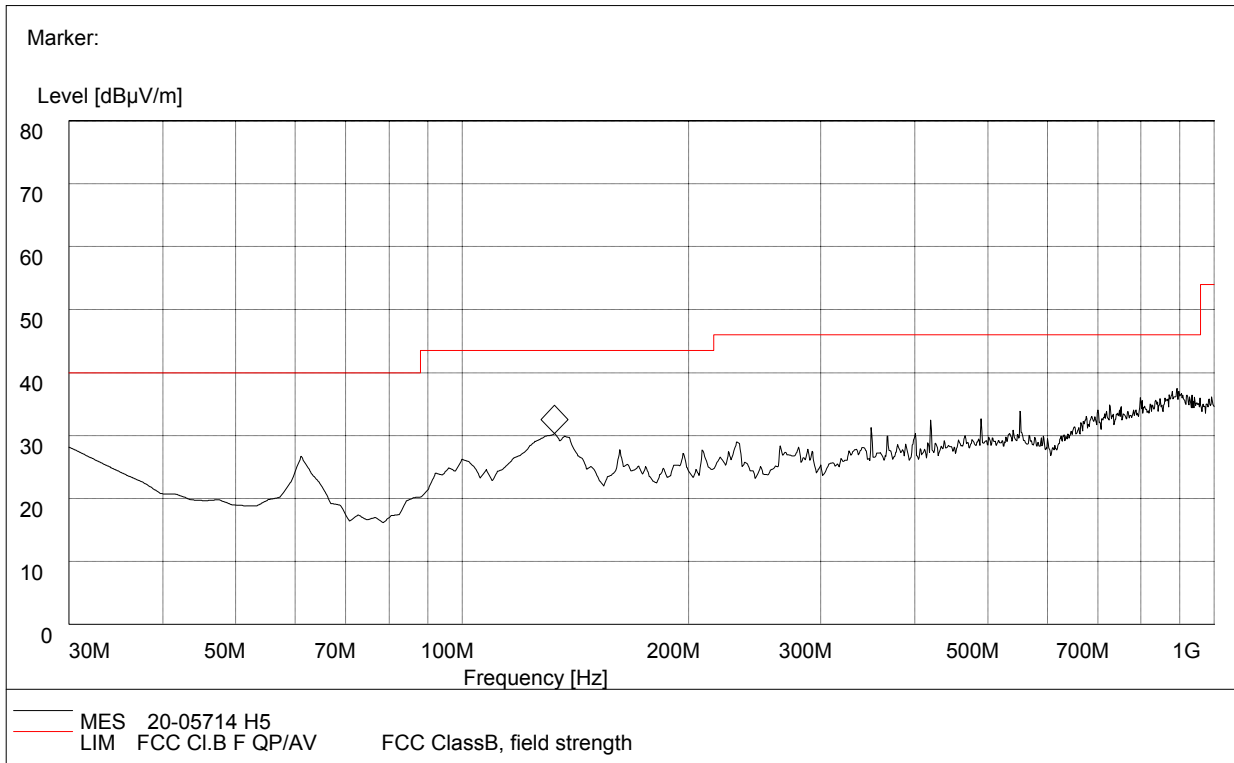
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
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 ( $10 \log(1/\text{duty cycle})$ ).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.
5. Only provide worst-Case mode data provide here, ANT0 for 11a and MIMO mode for 11n/11n(40M)/11ac/11ac(40M)/11ac(80M) for above 1GHz, 11n(40M) MIMO mode for Below 1GHz .

### 2.6.5. Test Results of Radiated Band Edge and Spurious Emission

#### For 9 KHz to 30MHz

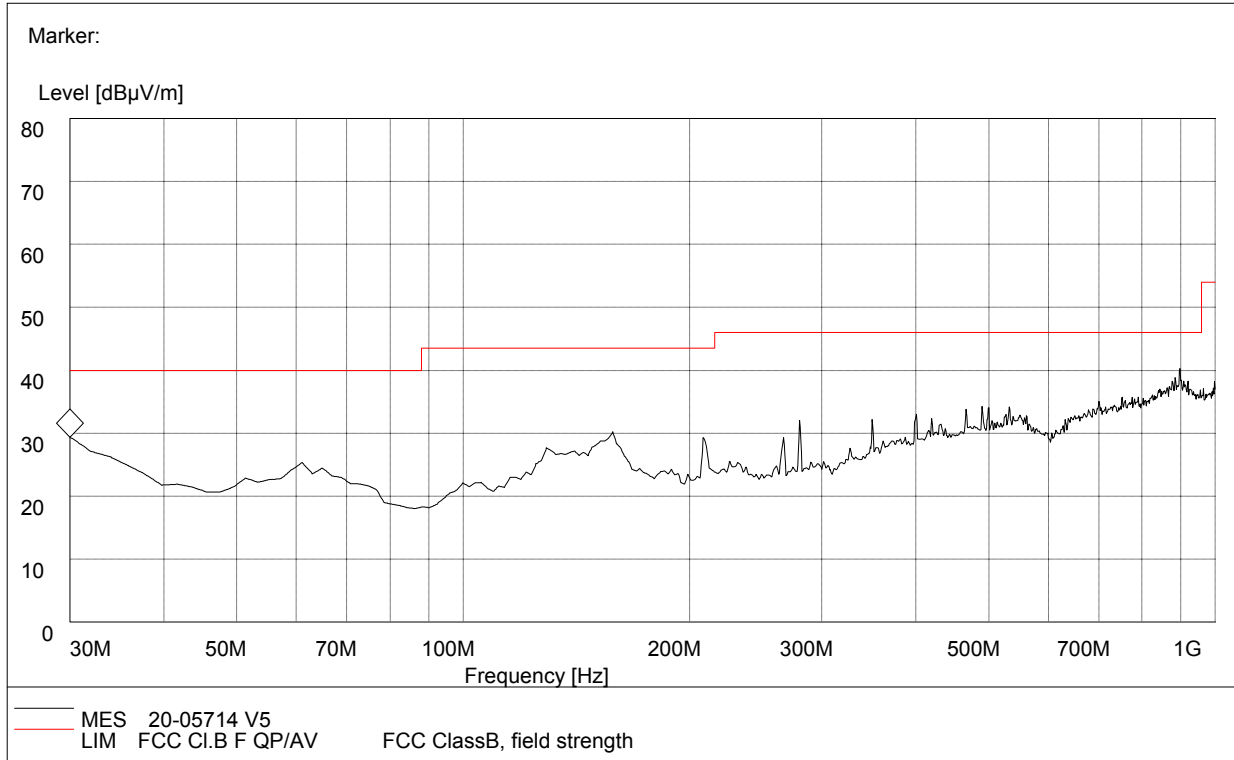
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

#### 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	27.25	120.000	17.90	150	40.0	12.75	Horizontal	Pass
61.250000	26.33	120.000	8.20	150	40.0	13.67	Horizontal	Pass
127.450000	25.58	120.000	13.70	150	43.5	17.92	Horizontal	Pass
132.650000	25.62	120.000	13.70	150	43.5	17.88	Horizontal	Pass
842.760000	34.39	120.000	23.90	150	46.0	11.61	Horizontal	Pass
898.260000	35.42	120.000	24.80	150	46.0	10.58	Horizontal	Pass



30MHz to 1GHz, Antenna Vertical

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Bandwidth (kHz)	Corr. Factor (dB $\mu$ V/m)	Antenna height (cm)	Limit (dB $\mu$ V/m)	Margin	Antenna	Verdict
30.000000	27.65	120.000	17.90	150	40.0	12.35	Vertical	Pass
31.610000	28.55	120.000	17.90	150	40.0	11.45	Vertical	Pass
130.630000	28.42	120.000	13.70	150	43.5	15.08	Vertical	Pass
161.250000	30.43	120.000	11.20	150	43.5	13.07	Vertical	Pass
873.600000	34.38	120.000	23.90	150	46.0	11.62	Vertical	Pass
898.260000	36.08	120.000	24.80	150	46.0	9.92	Vertical	Pass

**For 1GHz to 40 GHz****ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5180MHz )**

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.	5150.00	58.69	PK	68.20	-9.51	2.00	260	51.19	7.50
2	5150.00	48.39	AV	54.00	-5.61	2.00	260	40.89	7.50
3	10360.00	51.23	PK	68.20	-16.97	1.50	180	31.43	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5180MHz )**

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	5150.00	60.35	PK	68.20	-7.85	1.00	180	52.85	7.50
2	5150.00	50.37	AV	54.00	-3.63	1.00	180	42.87	7.50
3	10360.00	53.24	PK	68.20	-14.96	1.00	360	33.44	19.80

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5220MHz )**

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	10400.00	49.65	PK	68.20	-18.55	1.50	360	29.75	19.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5220MHz )**

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	10400.00	52.47	PK	68.20	-15.73	1.50	250	32.57	19.90



**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5240MHz )**

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	5350.00	59.87	PK	68.20	-8.33	2.00	120	51.87	8.00
2	5350.00	49.52	AV	54.00	-4.48	2.00	120	41.52	8.00
3	10480.00	48.69	PK	68.20	-19.51	1.80	90	28.79	19.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5240MHz )**

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	5350.00	58.24	PK	68.20	-9.96	1.50	260	50.24	8.00
2	5350.00	48.10	AV	54.00	-5.9	1.50	260	40.10	8.00
3	10480.00	50.69	PK	68.20	-17.51	2.00	0	30.79	19.90

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5260MHz )**

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	5150.00	49.68	PK	68.20	-18.52	1.00	150	42.18	7.50
2	5150.00	41.33	AV	54.00	-12.67	1.00	150	33.83	7.50
3	10520.00	52.34	PK	68.20	-15.86	1.60	200	32.34	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5260MHz )**

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	5150.00	49.65	PK	68.20	-18.55	1.00	160	42.15	7.50
2	5150.00	41.50	AV	54.00	-12.50	1.00	160	34.00	7.50
3	10520.00	53.36	PK	68.20	-14.84	1.50	200	33.36	20.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5300MHz )**

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	10600.00	53.64	PK	68.20	-14.56	1.00	120	33.64	20.00
2	10600.00	44.59	AV	54.00	-9.41	1.00	120	24.59	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5300MHz )**

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	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 ( 802.11a\_5320MHz )**

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	5350.00	38.95	PK	68.20	-29.25	2.00	260	30.95	8.00
2	5350.00	31.20	AV	54.00	-22.80	2.00	260	23.20	8.00
3	10640.00	50.09	PK	68.20	-18.11	2.00	120	29.99	20.10
4	10640.00	41.95	AV	54.00	-12.05	2.00	120	21.85	20.10

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5320MHz )**

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	5350.00	41.69	PK	68.20	-26.51	1.50	330	33.69	8.00
2	5350.00	32.34	AV	54.00	-21.66	1.50	330	24.34	8.00
3	10640.00	50.19	PK	68.20	-18.01	1.20	210	30.09	20.10
4	10640.00	41.05	AV	54.00	-12.95	1.20	210	20.95	20.10

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5500MHz )**

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	39.25	PK	68.20	-28.95	2.00	120	30.75	8.50
2	5460.00	31.51	AV	54.00	-22.49	2.00	120	23.01	8.50
3	5470.00	38.95	PK	68.2	-29.25	2.00	260	30.45	8.50
4	11000.00	49.36	PK	68.20	-18.84	1.80	200	28.36	21.00
5	11000.00	41.01	AV	54.00	-12.99	1.80	200	20.01	21.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5500MHz )**

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	38.74	PK	68.20	-29.46	2.50	180	30.24	8.50
2	5460.00	30.09	AV	54.00	-23.91	2.50	180	21.59	8.50
3	5470.00	38.84	PK	68.20	-29.36	2.00	180	30.34	8.50
4	11000.00	50.69	PK	74.00	-23.31	2.00	200	29.69	21.00
5	11000.00	42.84	AV	54.00	-11.16	2.00	200	21.84	21.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5580MHz )**

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	11160.00	52.14	PK	68.20	-16.06	1.80	100	30.64	21.50
2	11160.00	43.89	AV	54.00	-10.11	1.80	100	22.39	21.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5580MHz )**

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	11160.00	50.37	PK	68.20	-17.83	2.00	180	28.87	21.50
2	11160.00	41.52	AV	54.00	-12.48	2.00	180	20.02	21.50

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11a\_5700MHz )**

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	5700.00	46.69	PK	68.2	-21.51	1.00	0	37.04	9.65
2	11400.00	52.17	PK	68.20	-16.03	1.80	360	30.67	21.50
3	11400.00	44.43	AV	54.00	-9.57	1.80	360	22.93	21.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11a\_5700MHz )**

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	5700.00	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\_5180MHz )**

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	5150.00	46.26	PK	68.20	-21.94	1.00	120	38.76	7.50
2	5150.00	35.96	AV	54.00	-18.04	1.00	120	28.46	7.50
3	10360.00	51.24	PK	68.20	-16.96	1.50	120	31.44	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5180MHz )**

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	5150.00	44.25	PK	68.20	-23.95	1.50	260	36.75	7.50
2	5150.00	34.27	AV	54.00	-19.73	1.50	260	26.77	7.50
3	10360.00	50.09	PK	68.20	-18.11	1.50	270	30.29	19.80



**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5220MHz )**

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	10400.00	51.19	PK	68.2	-17.01	1.50	250	31.29	19.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5220MHz )**

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	10400.00	51.84	PK	68.2	-16.36	1.00	360	31.94	19.90

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5240MHz )**

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	5350.00	46.25	PK	68.20	-21.95	1.00	120	38.25	8.00
2	5350.00	35.90	AV	54.00	-18.1	1.00	120	27.90	8.00
3	10480.00	48.95	PK	68.2	-19.25	2.00	120	29.05	19.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5240MHz )**

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	5350.00	43.52	PK	68.20	-24.95	1.00	230	35.52	8.00
2	5350.00	33.38	AV	54.00	-20.62	1.00	230	25.38	8.00
3	10480.00	51.19	PK	68.2	-17.01	2.00	360	31.29	19.90

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5260MHz )**

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	5150.00	38.26	PK	68.20	-29.94	2.00	120	30.76	7.50
2	5150.00	29.91	AV	54.00	-24.09	2.00	120	22.41	7.50
3	10520.00	51.19	PK	68.2	-17.01	1.00	120	31.19	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5260MHz )**

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	5150.00	39.62	PK	68.20	-28.58	1.20	100	32.12	7.50
2	5150.00	31.47	AV	54.00	-22.53	1.20	100	23.97	7.50
3	10520.00	50.26	PK	68.2	-17.94	1.00	210	30.26	20.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5300MHz )**

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	10600.00	49.65	PK	68.20	-18.55	1.00	0	29.65	20.00
2	10600.00	40.60	AV	54.00	-13.4	1.00	0	20.60	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5300MHz )**

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	10600.00	48.85	PK	68.20	-19.35	1.50	360	28.85	20.00
2	10600.00	40.20	AV	54.00	-13.8	1.50	360	20.20	20.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5320MHz )**

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	5350.00	40.15	PK	68.20	-28.05	1.00	120	32.15	8.00
2	5350.00	32.40	AV	54.00	-21.6	1.00	120	24.40	8.00
3	10640.00	51.16	PK	68.20	-17.04	1.50	260	31.06	20.10
4	10640.00	43.02	AV	54.00	-10.98	1.50	260	22.92	20.10

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5320MHz )**

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	5350.00	41.25	PK	68.20	-26.95	1.50	260	33.25	8.00
2	5350.00	31.90	AV	54.00	-22.1	1.50	260	23.90	8.00
3	10640.00	48.25	PK	68.20	-19.95	1.00	180	28.15	20.10
4	10640.00	39.11	AV	54.00	-14.89	1.00	180	19.01	20.10

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5500MHz )**

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	38.66	PK	68.20	-29.54	1.00	120	30.16	8.50
2	5460.00	30.92	AV	54.00	-23.08	1.00	120	22.42	8.50
3	5470.00	38.96	PK	68.2	-29.24	1.50	250	30.46	8.50
4	11000.00	51.36	PK	68.20	-16.84	1.80	360	30.36	21.00
5	11000.00	43.01	AV	54.00	-10.99	1.80	360	22.01	21.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5500MHz )**

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	39.95	PK	68.20	-28.25	1.00	120	31.45	8.50
2	5460.00	31.30	AV	54.00	-22.70	1.00	120	22.80	8.50
3	5470.00	39.65	PK	68.2	-28.55	1.50	100	31.15	8.50
4	11000.00	52.24	PK	68.20	-15.96	2.00	100	31.24	21.00
5	11000.00	44.39	AV	54.00	-9.61	2.00	100	23.39	21.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5580MHz )**

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	11160.00	51.00	PK	68.20	-17.20	2.00	0	29.50	21.50
2	11160.00	42.75	AV	54.00	-11.25	2.00	0	21.25	21.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5580MHz )**

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	11160.00	50.98	PK	68.20	-17.22	1.00	150	29.48	21.50
2	11160.00	42.13	AV	54.00	-11.87	1.00	150	20.63	21.50

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n20\_5700MHz )**

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	5700.00	45.63	PK	68.2	-22.57	1.00	0	35.98	9.65
2	11400.00	52.25	PK	68.20	-15.95	1.80	360	30.75	21.50
3	11400.00	44.51	AV	54.00	-9.49	1.80	360	23.01	21.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n20\_5700MHz )**

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	5700.00	46.6	PK	68.2	-21.60	1.00	180	36.95	9.65
2	11400.00	53.05	PK	68.20	-15.15	2.00	200	31.55	21.50
3	11400.00	45.47	AV	54.00	-8.53	2.00	200	23.97	21.50



**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n40\_5190MHz )**

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	5150.00	44.26	PK	68.20	-23.94	1.2	210.00	36.76	7.50
2	5150.00	33.48	AV	54.00	-20.52	1.2	210.00	25.98	7.50
3	10380.00	50.36	PK	68.2	-17.84	1.5	100.00	30.56	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n40\_5190MHz )**

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	5150.00	42.65	PK	68.20	-25.55	1.20	250.00	35.15	7.50
2	5150.00	32.67	AV	54.00	-21.33	1.20	250.00	25.17	7.50
3	10380.00	53.36	PK	68.2	-14.84	1.00	270.00	33.56	19.80

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n40\_5230MHz )**

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	5350.00	44.16	PK	68.20	-24.04	2.00	100.00	36.16	8.00
2	5350.00	33.81	AV	54.00	-20.19	2.00	100.00	25.81	8.00
3	10460.00	52.36	PK	68.2	-15.84	1.00	200.00	32.46	19.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n40\_5230MHz )**

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	5350.00	45.35	PK	68.20	-22.85	1.80	100.00	37.35	8.00
2	5350.00	35.21	AV	54.00	-18.79	1.80	100.00	27.21	8.00
3	10460.00	53.02	PK	68.2	-15.18	2.00	360.00	33.12	19.90

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n40\_5270MHz )**

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	5150.00	42.65	PK	68.20	-25.55	1.20	88.00	35.15	7.50
2	5150.00	34.30	AV	54.00	-19.70	1.20	88.00	26.80	7.50
3	10540.00	52.19	PK	68.2	-16.01	1.80	36.00	32.19	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n40\_5270MHz )**

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	5150.00	44.15	PK	68.20	-24.05	2.00	120.00	36.65	7.50
2	5150.00	34.00	AV	54.00	-20.00	2.00	120.00	26.50	7.50
3	10540.00	51.36	PK	68.2	-16.84	1.50	360.00	31.36	20.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n40\_5310MHz )**

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	5350.00	42.25	PK	68.20	-25.95	1.50	260.00	34.25	8.00
2	5350.00	31.50	AV	54.00	-22.497	1.50	260.00	23.50	8.00
3	10640.00	51.36	PK	68.20	-16.84	2.60	180.00	31.26	20.10
4	10640.00	43.22	AV	54.00	-10.78	2.60	180.00	23.12	20.10

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n40\_5310MHz )**

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	5350.00	43.36	PK	68.20	-24.84	1.50	260.00	35.36	8.00
2	5350.00	34.01	AV	54.00	-19.99	1.50	260.00	26.01	8.00
3	10620.00	51.28	PK	68.20	-16.92	2.00	360.00	31.18	20.10
4	10620.00	42.14	AV	54.00	-11.86	2.00	360.00	22.04	20.10

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n40\_5510MHz )**

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	42.15	PK	68.20	-26.05	1.60	180.00	33.65	8.50
2	5460.00	31.41	AV	54.00	-22.59	1.60	180.00	22.91	8.50
3	5470.00	43.26	PK	68.20	-24.94	1.60	180.00	34.76	8.50
4	11020.00	51.36	PK	68.20	-16.84	1.60	320.00	30.36	21.00
5	11020.00	40.90	AV	54.00	-13.1	1.60	320.00	19.90	21.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n40\_5510MHz )**

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	43.69	PK	68.20	-24.51	1.00	200.00	35.19	8.50
2	5460.00	33.04	AV	54.00	-20.96	1.00	200.00	24.54	8.50
3	5470.00	45.56	PK	68.20	-22.64	1.50	200.00	37.06	8.50
4	11020.00	52.19	PK	68.20	-16.01	1.60	360.00	31.19	21.00
5	11020.00	41.34	AV	54.00	-12.66	1.60	360.00	20.34	21.00

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11n40\_5670MHz )**

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	11340.00	53.26	PK	68.20	-14.94	1.50	360.00	31.86	21.40
2	11340.00	42.52	AV	54.00	-11.48	1.50	360.00	21.12	21.40

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11n40\_5670MHz )**

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	11340.00	51.17	PK	68.20	-17.03	1.50	360.00	29.77	21.40
2	11340.00	40.59	AV	54.00	-13.41	1.50	360.00	19.19	21.40

**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	42.65	PK	68.20	-25.55	1.00	120	35.15	7.50
2	5150.00	32.35	AV	54.00	-21.65	1.00	120	24.85	7.50
3	10360.00	50.32	PK	68.2	-17.88	1.50	140	30.52	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	44.05	PK	68.20	-24.15	1.50	240	36.55	7.50
2	5150.00	34.07	AV	54.00	-19.93	1.50	240	26.57	7.50
3	10360.00	51.36	PK	68.2	-16.84	1.50	250	31.56	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	52.05	PK	68.2	-16.15	1.50	200	32.15	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	53.21	PK	68.2	-14.99	1.00	120	33.31	19.90



**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11ac20\_5240MHz )**

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	5350.00	45.52	PK	68.20	-22.68	1.00	240	37.52	8.00
2	5350.00	35.17	AV	54.00	-18.83	1.00	240	27.17	8.00
3	10480.00	47.00	PK	68.20	-21.20	2.00	160	27.10	19.90

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11ac20\_5240MHz )**

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	5350.00	45.00	PK	68.20	-23.20	1.00	120	37.00	8.00
2	5350.00	34.86	AV	54.00	-19.14	1.00	120	26.86	8.00
3	10480.00	50.25	PK	68.20	-17.95	2.00	180	30.35	19.90

**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)	Emission 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)	Emission 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\_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	43.25	PK	68.20	-24.95	1.00	100.00	35.75	7.50
2	5150.00	32.47	AV	54.00	-21.53	1.00	100.00	24.97	7.50
3	10380.00	52.14	PK	68.20	-16.06	1.60	120.00	32.34	19.80

**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	41.36	PK	68.20	-26.84	2.00	360.00	33.86	7.50
2	5150.00	31.38	AV	54.00	-22.62	2.00	360.00	23.88	7.50
3	10380.00	53.65	PK	68.20	-14.55	1.80	250.00	33.85	19.80



**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	43.36	PK	68.20	-24.84	1.00	200.00	35.36	8.00
2	5350.00	33.01	AV	54.00	-20.99	1.00	200.00	25.01	8.00
3	10460.00	52.36	PK	68.2	-15.84	2.00	180.00	32.46	19.90

**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	44.15	PK	68.20	-24.05	2.00	100.00	36.15	8.00
2	5350.00	34.01	AV	54.00	-19.99	2.00	100.00	26.01	8.00
3	10460.00	51.06	PK	68.2	-17.14	1.50	360.00	31.16	19.90

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11ac40\_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	43.65	PK	68.20	-24.55	1.50	150.00	36.15	7.50
2	5150.00	35.30	AV	54.00	-18.7	1.50	150.00	27.80	7.50
3	10540.00	51.36	PK	68.20	-16.84	1.60	200.00	31.36	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M ( 802.11ac40\_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	43.26	PK	68.20	-24.94	1.60	260.00	35.76	7.50
2	5150.00	33.11	AV	54.00	-20.89	1.60	260.00	25.61	7.50
3	10540.00	50.36	PK	68.20	-17.84	2.00	180.00	30.36	20.00

**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)	Emission 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)	Emission 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



<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11ac-VHT80_5210MHz )</b>									
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	5150.00	43.58	PK	68.20	-24.62	1.00	150.00	36.08	7.50
2	5150.00	32.92	AV	54.00	-21.08	1.00	150.00	25.42	7.50
3	10420.00	51.36	PK	68.20	-16.84	1.60	330.00	31.46	19.90
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M ( 802.11ac-VHT80_5210MHz )</b>									
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	5150.00	43.15	PK	68.20	-25.05	2.00	0.00	35.65	7.50
2	5150.00	33.17	AV	54.00	-20.83	2.00	0.00	25.67	7.50
3	10420.00	50.36	PK	68.20	-17.84	1.60	180.00	30.46	19.90



<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11ac-VHT80_5290MHz )</b>									
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	5350.00	41.25	PK	68.20	-26.95	1.20	120.00	33.25	8.00
2	5350.00	30.90	AV	54.00	-23.10	1.20	120.00	22.90	8.00
3	10580.00	51.26	PK	68.20	-16.94	1.80	250.00	31.26	20.00
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M ( 802.11ac-VHT80_5290MHz )</b>									
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	5350.00	43.50	PK	68.20	-24.70	1.50	49.00	35.50	8.00
2	5350.00	33.36	AV	54.00	-20.64	1.50	49.00	25.36	8.00
3	10580.00	52.63	PK	68.20	-15.57	1.50	34.00	32.63	20.00



<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11ac-VHT80_5530MHz )</b>									
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	49.58	PK	68.20	-18.62	1.00	120.00	32.86	8.50
2	5460.00	41.84	AV	54.00	-12.16	1.00	120.00	25.12	8.50
3	5470.00	42.16	PK	68.20	-26.04	1.20	150.00	33.66	8.50
4	11060.00	51.67	PK	68.20	-16.53	1.50	200.00	27.15	21.00
5	11060.00	43.32	AV	54.00	-10.68	1.50	200.00	18.80	21.00
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M ( 802.11ac-VHT80_5530MHz )</b>									
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	42.36	PK	68.20	-25.84	2.00	100.00	34.65	8.50
2	5460.00	31.71	AV	54.00	-22.29	2.00	100.00	26.00	8.50
3	5470.00	42.65	PK	68.20	-25.55	1.80	360.00	34.15	8.50
4	11060.00	51.36	PK	68.20	-16.84	2.00	180.00	29.12	21.00
5	11060.00	40.51	AV	54.00	-13.49	2.00	180.00	21.27	21.00





<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M ( 802.11ac-VHT80_5610MHz )</b>									
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	56.48	PK	68.20	-11.72	1.80	290.00	46.70	9.78
2	5460.00	48.74	AV	54.00	-5.26	1.80	290.00	38.96	9.78
3	11220.00	58.65	PK	68.20	-9.55	1.80	290.00	36.85	21.80
4	11220.00	47.91	AV	54.00	-6.09	1.80	290.00	26.11	21.80
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M ( 802.11ac-VHT80_5610MHz )</b>									
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	55.65	PK	68.20	-12.55	1.70	320.00	45.87	9.78
2	5460.00	47.00	AV	54.00	-7.00	1.70	320.00	37.22	9.78
3	11220.00	57.36	PK	68.20	-10.84	1.70	320.00	35.56	21.80
4	11220.00	46.78	AV	54.00	-7.22	1.70	320.00	24.98	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,

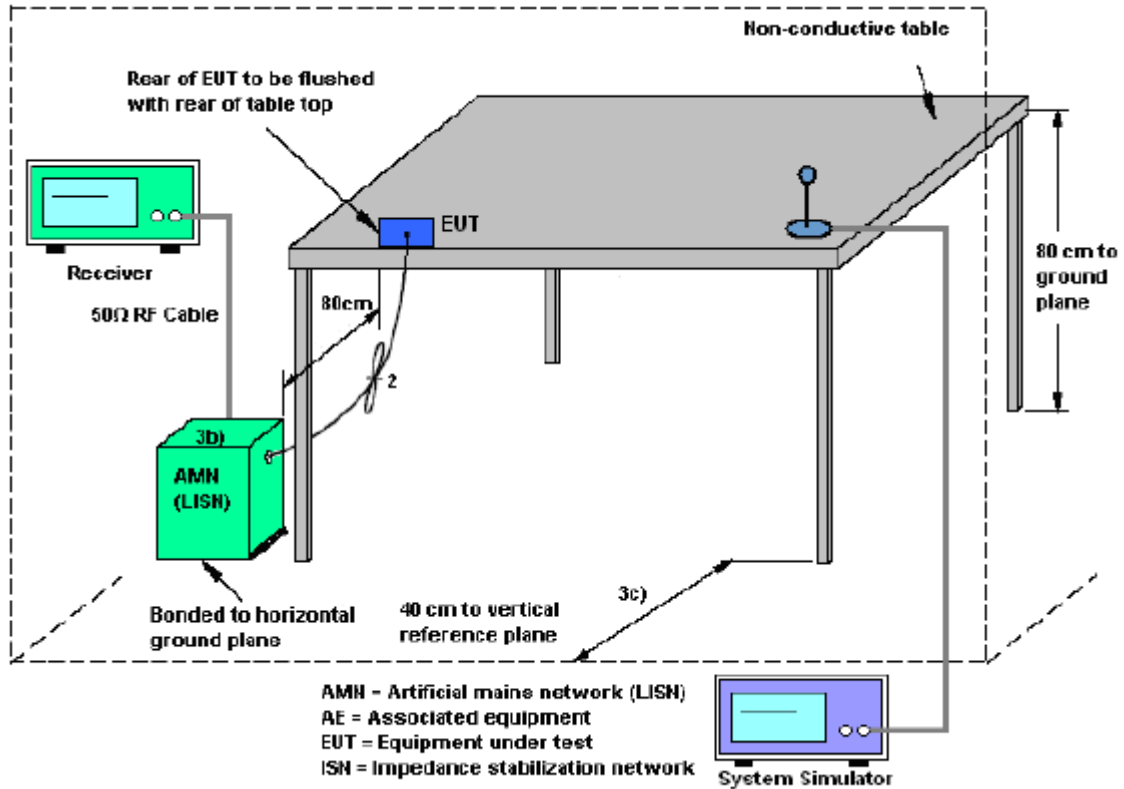
For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency range (MHz)	Conducted Limit (dB $\mu$ V)	
	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

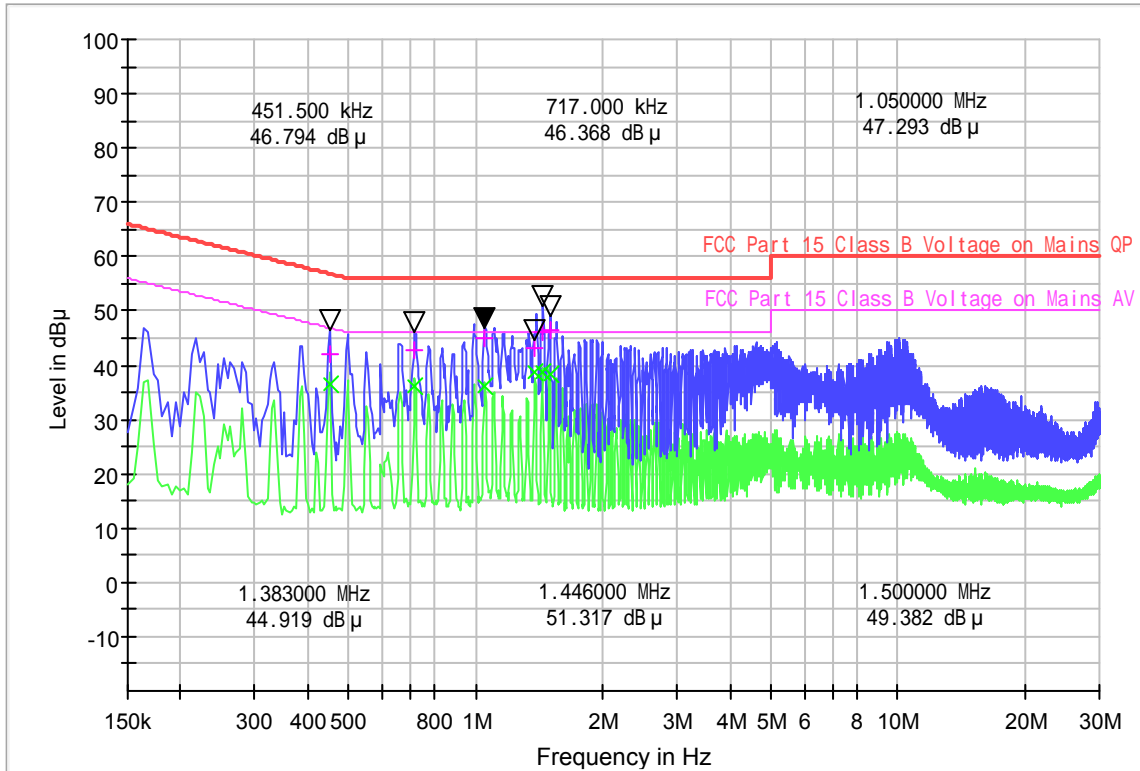


#### **2.7.4. Test Procedures**

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.

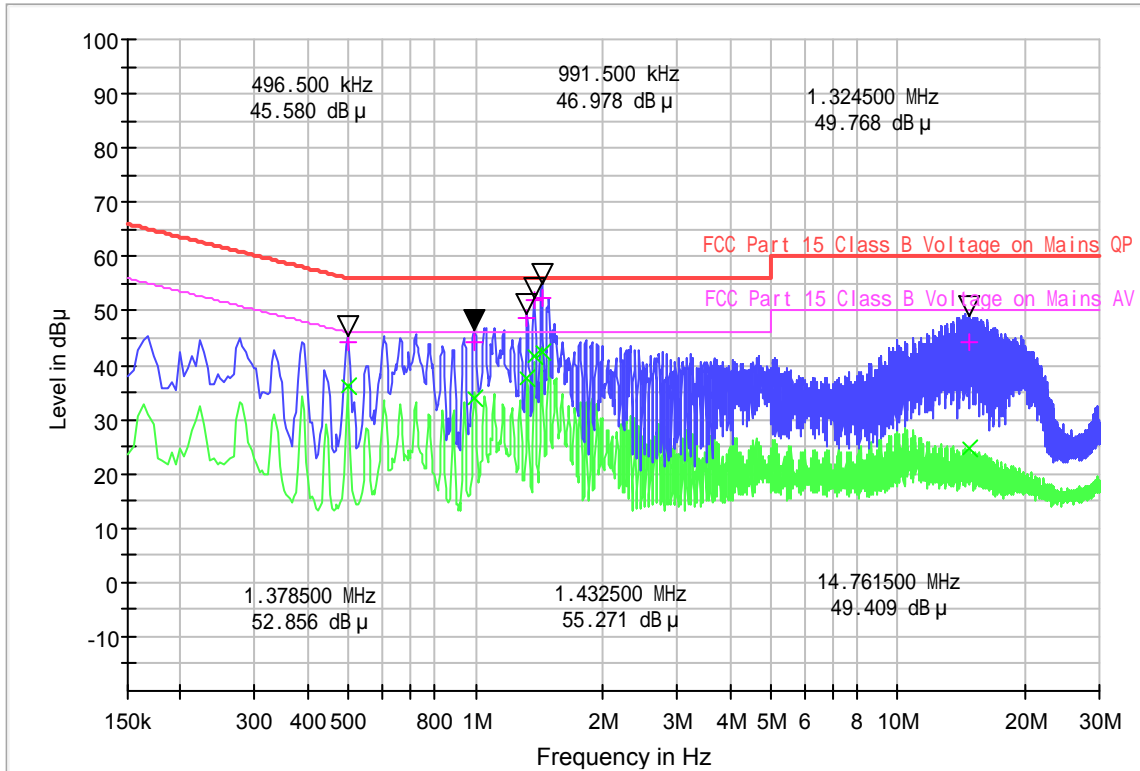
#### **2.7.5. Test Results of Conducted Emission**

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



(Plot B:L Phase)

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Cabel Loss (dB)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dB µ V)	Margin - AV (dB)	Limit - AV (dB µ V)
0.451500	42.18	36.49	0.1	10.1	14.67	56.8	10.36	46.8
0.717000	42.91	36.23	0.1	10.1	13.09	56.0	9.77	46.0
1.050000	45.02	36.09	0.1	10.1	10.98	56.0	9.91	46.0
1.383000	43.30	38.58	0.1	10.1	12.70	56.0	7.42	46.0
1.446000	46.25	38.59	0.2	10.2	9.75	56.0	7.41	46.0
1.500000	46.39	38.22	0.2	10.2	9.61	56.0	7.78	46.0



(Plot B:N Phase)

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)
0.496500	44.16	36.22	0.1	10.1	11.90	56.1	9.84	46.1
0.991500	44.43	34.07	0.1	10.1	11.57	56.0	11.93	46.0
1.324500	48.80	37.67	0.1	10.1	7.20	56.0	8.33	46.0
1.378500	52.01	41.52	0.1	10.1	3.99	56.0	4.48	46.0
1.432500	52.55	42.28	0.2	10.2	3.45	56.0	3.72	46.0
14.761500	44.07	24.56	0.2	10.2	15.93	60.0	25.44	50.0

**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	R&S	ESIB7	A0501375	2019.07.30	2020.07.29
2	Power Meter	R&S	NRP-Z31	102872	2020.05.18	2021.05.17
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	AT4002A	305753	2017.11.10	2020.11.09
7	Amplifer	MILMEGA	80RF1000-250	A140901925	2017.10.09	2020.10.08
8	JS amplifer	AR	25S1G4AM1	A0304248	2017.10.09	2020.10.08
9	High pass filter	Compliance Direction systems	BSU-6	34202	2019.11.10	2020.11.09
13	Horn Antenna	AR	AT4002A	305753	2017.07.12	2020.07.11
14	Horn Antenna	AR	AT4510	325306	2018.07.14	2020.07.13
15	ULTRA-BROADBAND ANTENNA	R&S	HL562	A0304224	2017.07.14	2020.07.13
16	Passive Loop Antenna	R&S	HFH2-Z2	100047	2019.04.26	2022.04.25
17	Temperature chamber	welissom Inc.	SU-642	A150802409	2019.07.18	2020.07.17
18	Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2019.06.05	2020.06.04
19	Power Supply	R&S	NGMO1	101037	2019.08.03	2020.08.02
20	EMI TEST RECEIVER	KEYSIGHT	ESCI	A0902601	2019.07.02	2020.07.01
21	LISN	ROHDE&SCHWARZ	ENV216	A140701847	2019.11.21	2020.11.20



#### 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%( $U=2U_c(y)$ )	2.6dB
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Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

Measuring Uncertainty for a level of confidence of 95%( $U=2U_c(y)$ )	2.4dB
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Uncertainty of Radiated Emission Measurement (1GHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%( $U=2U_c(y)$ )	2.8dB
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**Appendix A****Conducted output power  
Test results****Conducted Power Test results of band U-NII-1 (5150 ~ 5250 MHz)**

802.11a mode					
Frequency (MHz)	Conducted Output Power (dBm)		FCC Limit (dBm)	Result	
	Antenna 0	Antenna 1			
5180	12.23	12.06	24	PASS	
5220	12.65	11.94	24	PASS	
5240	12.60	11.90	24	PASS	
802.11n-HT20 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5180	11.09	11.82	14.48	24	PASS
5220	12.30	11.79	15.06	24	PASS
5240	12.22	11.66	14.96	24	PASS
802.11n-HT40 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5190	12.93	11.99	15.50	24	PASS
5230	13.02	13.93	16.51	24	PASS
802.11ac-VHT20 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5180	11.73	11.58	14.67	24	PASS
5220	12.04	11.66	14.86	24	PASS
5240	12.04	11.64	14.85	24	PASS





802.11ac-VHT40 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5190	13.04	11.87	15.50	24	PASS
5230	13.02	11.75	15.44	24	PASS

802.11ac-VHT80 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5210	12.62	10.67	14.76	24	PASS



**Conducted Power Test results of band U-NII-2A (5250 ~ 5350 MHz)**

802.11a mode					
Frequency (MHz)	Conducted Output Power (dBm)		FCC Limit (dBm)	Result	
	Antenna 0	Antenna 1			
5260	12.29	12.63	24	PASS	
5300	12.03	12.48	24	PASS	
5320	12.24	12.33	24	PASS	
802.11n-HT20 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5260	11.75	10.25	14.07	24	PASS
5300	11.84	10.23	14.12	24	PASS
5320	11.92	10.15	14.13	24	PASS
802.11n-HT40 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5270	11.91	11.16	14.56	24	PASS
5310	11.56	10.98	14.29	24	PASS
802.11ac-VHT20 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5260	10.96	11.24	14.11	24	PASS
5300	11.25	11.17	14.22	24	PASS
5320	11.25	10.21	13.77	24	PASS
802.11ac-VHT40 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5270	12.42	11.19	14.86	24	PASS
5310	12.09	10.96	14.57	24	PASS



802.11ac-VHT80 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5290	11.79	10.66	14.27	24	PASS



**Conducted Power Test results of band U-NII-2C (5470 ~ 5725 MHz)**

802.11a mode							
Frequency (MHz)	Conducted Output Power (dBm)		FCC Limit (dBm)	Result			
	Antenna 0	Antenna 1					
5500	12.56	12.72	24	PASS			
5600	12.42	11.59	24	PASS			
5700	12.46	12.44	24	PASS			
802.11n-HT20 mode							
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result		
	Antenna 0	Antenna 1	Total				
5500	11.23	10.48	13.88	24	PASS		
5600	12.52	11.35	14.98	24	PASS		
5700	12.53	12.06	15.31	24	PASS		
802.11n-HT40 mode							
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result		
	Antenna 0	Antenna 1	Total				
5510	10.47	11.19	13.86	24	PASS		
5590	11.39	10.64	14.04	24	PASS		
5670	11.24	11.85	14.57	24			
802.11ac-VHT20 mode							
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result		
	Antenna 0	Antenna 1	Total				
5500	11.25	10.42	13.87	24	PASS		
5600	12.50	11.42	15.00	24	PASS		
5700	12.55	11.16	14.92	24	PASS		
802.11ac-VHT40 mode							
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result		
	Antenna 0	Antenna 1	Total				
5510	11.13	10.18	13.69	24	PASS		
5590	12.33	11.15	14.79	24	PASS		
5670	11.21	11.90	14.58	24	PASS		



802.11ac-VHT80 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5530	10.10	11.00	13.58	24	PASS

802.11ac-VHT80 mode					
Test Frequency (MHz)	Conducted Output Power (dBm)			FCC Limit (dBm)	Result
	Antenna 0	Antenna 1	Total		
5610	11.06	12.02	14.58	24	PASS

## AVGSA Power Spectral Density

### Conducted PSD Test results of band U-NII-1 (5150~5250MHz)

802.11a mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)		Limit (dBm/MHz)	Result		
	Antenna 0	Antenna 1				
5180	1.099	1.266	11	PASS		
5220	1.788	1.012	11	PASS		
5240	1.667	1.445	11	PASS		
802.11n-HT20 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5180	-0.502	-0.843	2.34	11	PASS	
5220	-0.404	0.712	3.20	11	PASS	
5240	1.253	0.523	3.91	11	PASS	
802.11n-HT40 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5190	-1.194	2.216	3.85	11	PASS	
5230	-1.069	0.060	2.54	11	PASS	
802.11ac-VHT20 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5180	1.104	0.542	3.84	11	PASS	
5220	1.084	0.537	3.83	11	PASS	
5240	0.938	0.507	3.74	11	PASS	
802.11ac-VHT40 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5190	-1.041	-2.204	1.43	11	PASS	
5230	-1.243	-0.387	2.22	11	PASS	
802.11ac-VHT80 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5210	-4.286	-1.782	0.15	11	PASS	

**Conducted PSD Test results of band U-NII-2A (5250~5350MHz)**

802.11a mode					
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
	Antenna 0	Antenna 1			
5260	2.092	2.075		11	PASS
5300	2.093	1.820		11	PASS
5320	2.231	2.281		11	PASS
802.11n-HT20 mode					
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
	Antenna 0	Antenna 1	Total		
5260	1.790	-0.265	3.89	11	PASS
5300	1.556	0.138	3.91	11	PASS
5320	1.728	0.077	3.99	11	PASS
802.11n-HT40 mode					
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
	Antenna 0	Antenna 1	Total		
5270	-1.409	-2.096	1.27	11	PASS
5310	-1.869	-2.181	0.99	11	PASS
802.11ac-VHT20 mode					
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
	Antenna 0	Antenna 1	Total		
5260	0.365	1.118	3.77	11	PASS
5300	0.462	0.971	3.73	11	PASS
5320	1.960	-0.051	4.08	11	PASS
802.11ac-VHT40 mode					
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
	Antenna 0	Antenna 1	Total		
5270	-0.755	-2.190	1.60	11	PASS
5310	-0.764	-2.454	1.48	11	PASS
802.11ac-VHT80 mode					
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result
	Antenna 0	Antenna 1	Total		
5290	-4.173	-5.632	-1.83	11	PASS



**Conducted PSD Test results of band U-NII-2C (5470~5725MHz)**

802.11a mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)		Limit (dBm/MHz)	Result		
	Antenna 0	Antenna 1				
5500	2.444	1.714	11	PASS		
5600	2.571	3.406	11	PASS		
5700	2.341	4.079	11	PASS		
802.11n-HT20 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5500	1.054	0.634	3.86	11	PASS	
5600	2.399	1.228	4.86	11	PASS	
5700	2.192	1.865	5.04	11	PASS	
802.11n-HT40 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5510	-2.081	-2.015	0.96	11	PASS	
5590	-1.513	-2.230	1.15	11	PASS	
5670	-0.971	-1.439	1.81	11	PASS	
802.11ac-VHT20 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5500	0.979	0.185	3.61	11	PASS	
5600	2.229	1.381	4.84	11	PASS	
5700	2.069	1.566	4.84	11	PASS	
802.11ac-VHT40 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5510	-2.199	-2.061	0.88	11	PASS	
5590	-1.844	-1.864	1.16	11	PASS	
5670	-1.947	-1.549	1.27	11	PASS	
802.11ac-VHT80 mode						
Test Frequency (MHz)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)	Result	
	Antenna 0	Antenna 1	Total			
5530	-5.824	-5.487	-2.64	11	PASS	



5610	-5.119	-4.144	-1.59	11	PASS
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### Test Plots

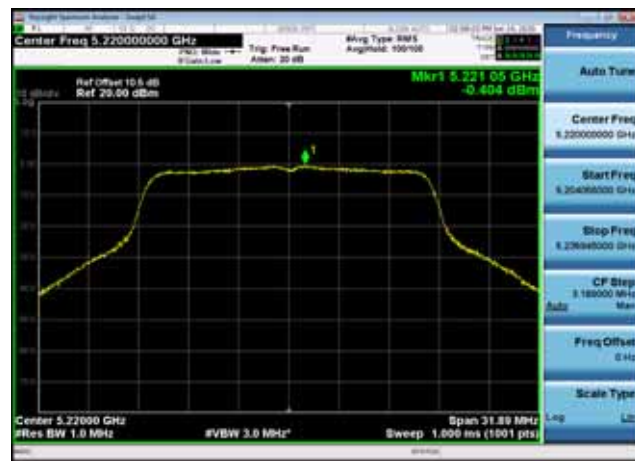
U-NII-1 Power spectral density-802.11  
n(20MHz),5180MHz,Ant0



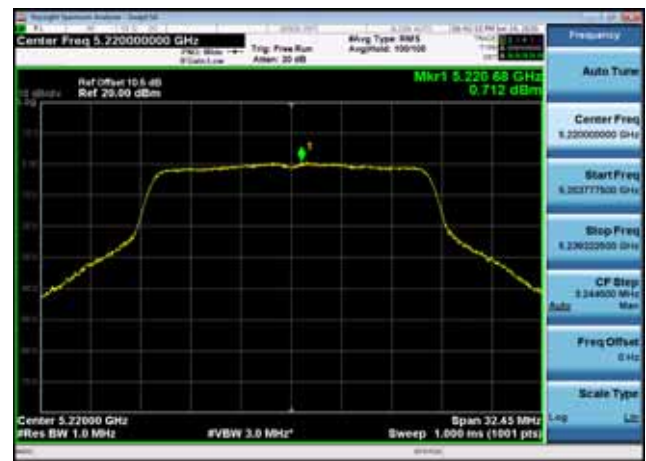
U-NII-1 Power spectral density-802.11  
n(20MHz),5180MHz,Ant1



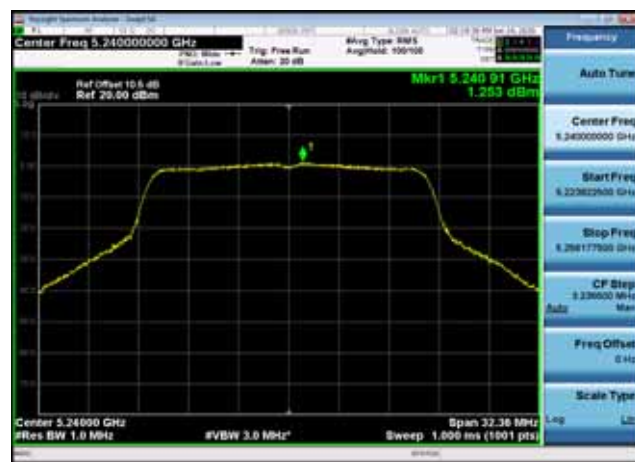
U-NII-1 Power spectral density-802.11  
n(20MHz),5220MHz,Ant0



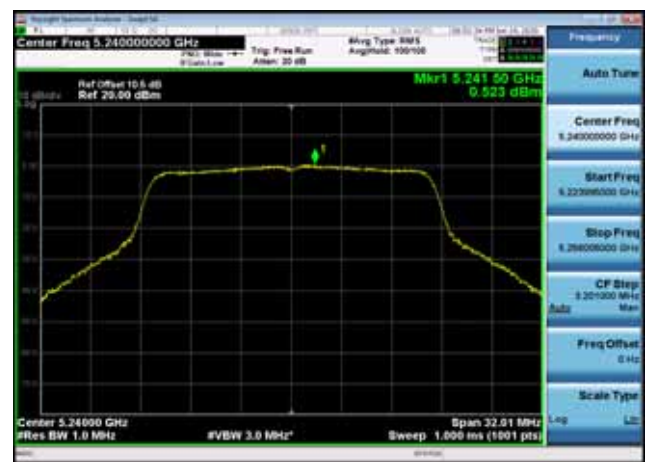
U-NII-1 Power spectral density-802.11  
n(20MHz),5220MHz,Ant1



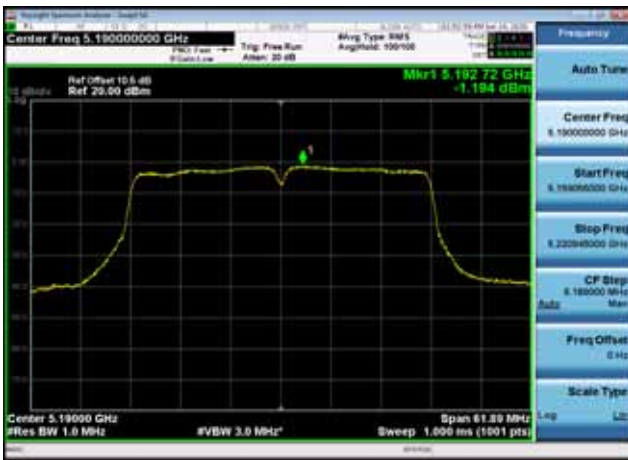
U-NII-1 Power spectral density-802.11  
n(20MHz),5240MHz,Ant0



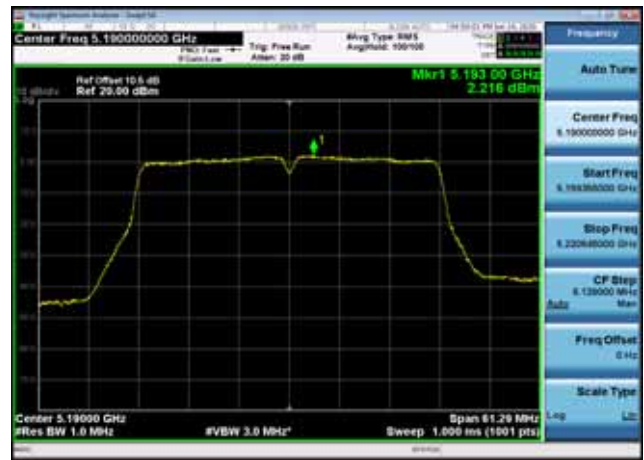
U-NII-1 Power spectral density-802.11  
n(20MHz),5240MHz,Ant1



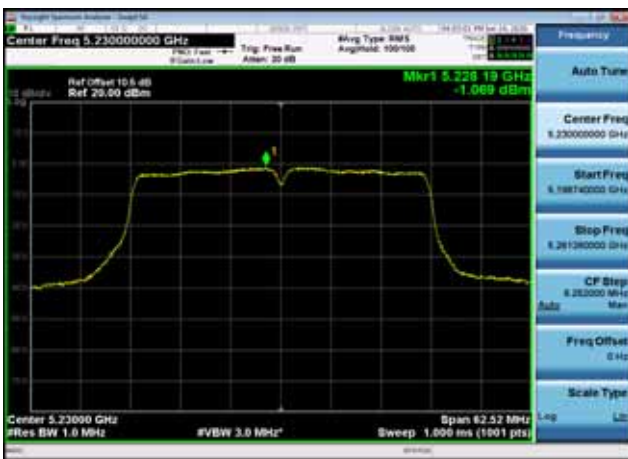
U-NII-1 Power spectral density-802.11  
n(40MHz),5190MHz,Ant0



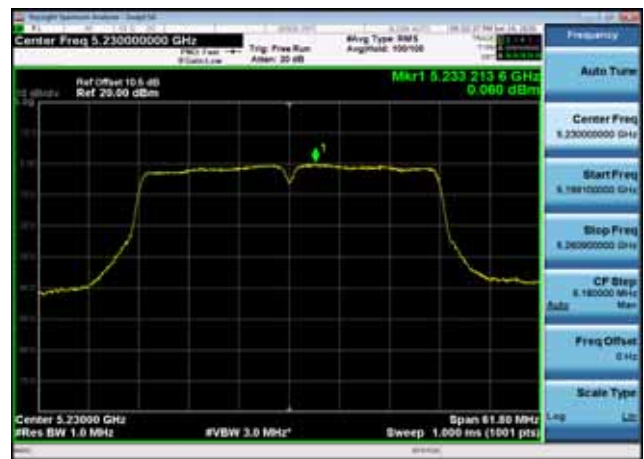
U-NII-1 Power spectral density-802.11  
n(40MHz),5190MHz,Ant1



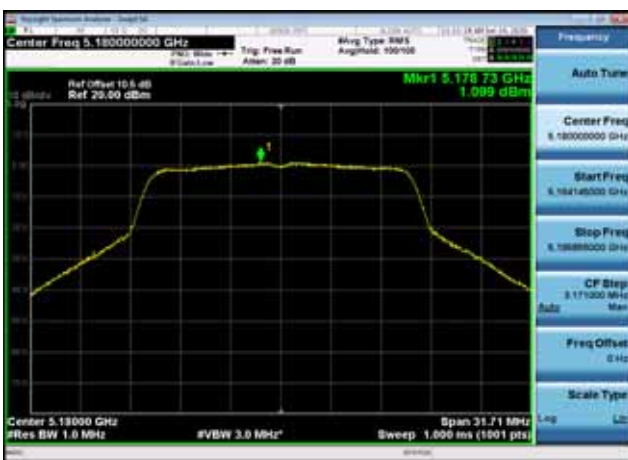
U-NII-1 Power spectral density-802.11  
n(40MHz),5230MHz,Ant0



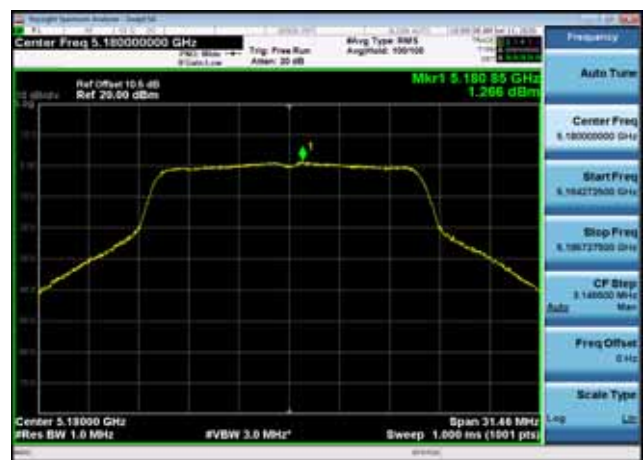
U-NII-1 Power spectral density-802.11  
n(40MHz),5230MHz,Ant1



U-NII-1 Power spectral density-802.11  
a(20MHz),5180MHz,Ant0



U-NII-1 Power spectral density-802.11  
a(20MHz),5180MHz,Ant1

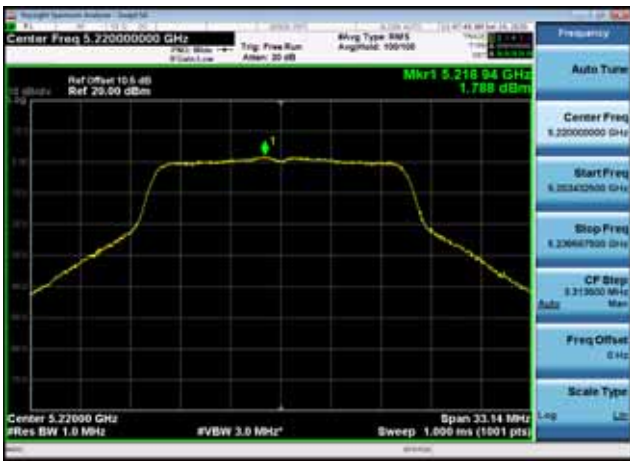


U-NII-1 Power spectral density-802.11  
a(20MHz),5220MHz,Ant0



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

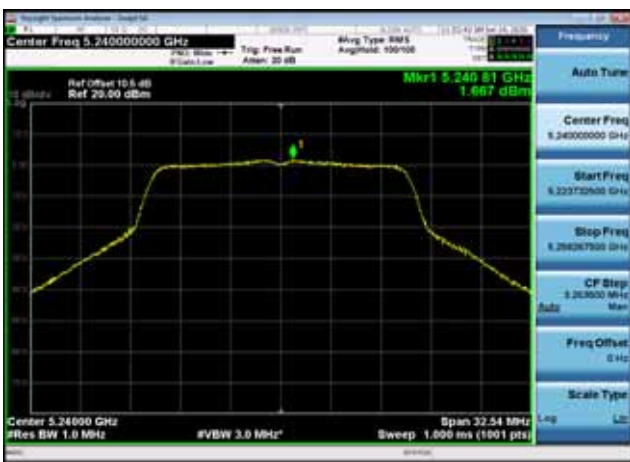




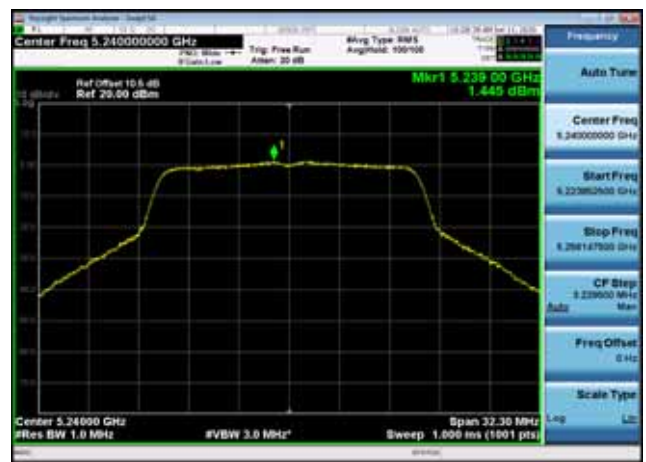
U-NII-1 Power spectral density-802.11  
a(20MHz),5240MHz,Ant0



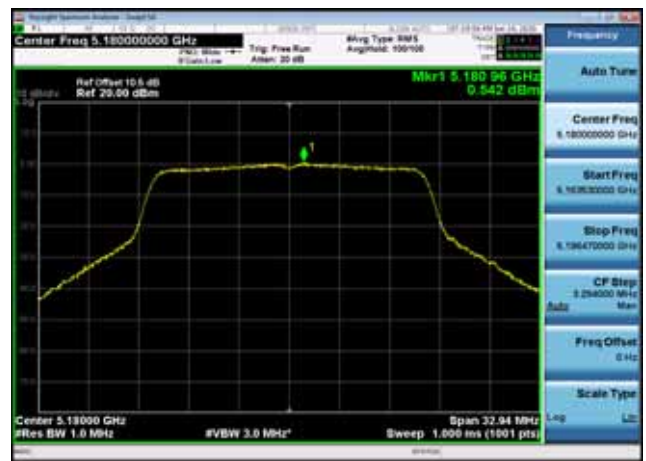
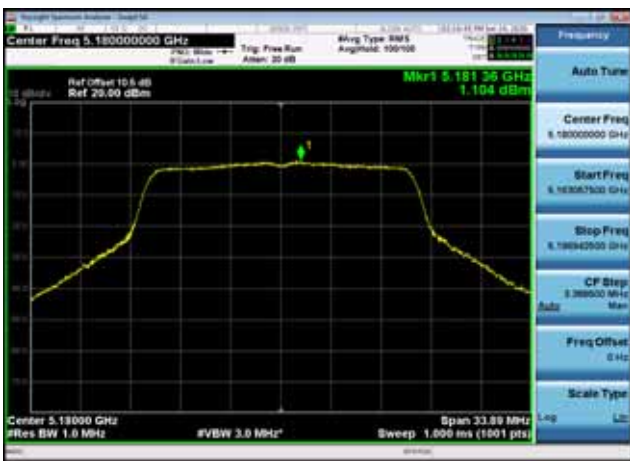
U-NII-1 Power spectral density-802.11  
a(20MHz),5240MHz,Ant1



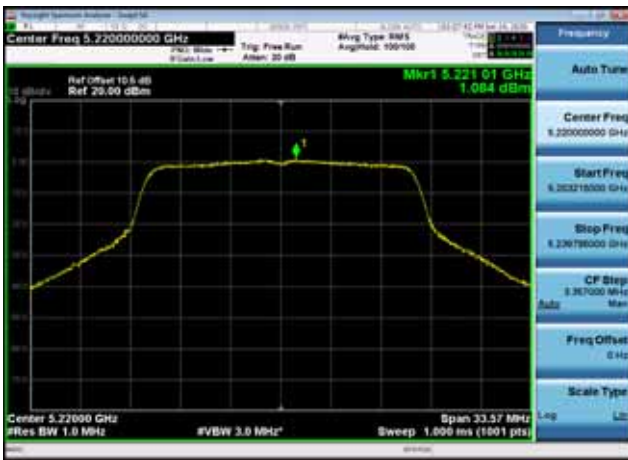
U-NII-1 Power spectral density-802.11  
ac(20MHz),5180MHz,Ant0



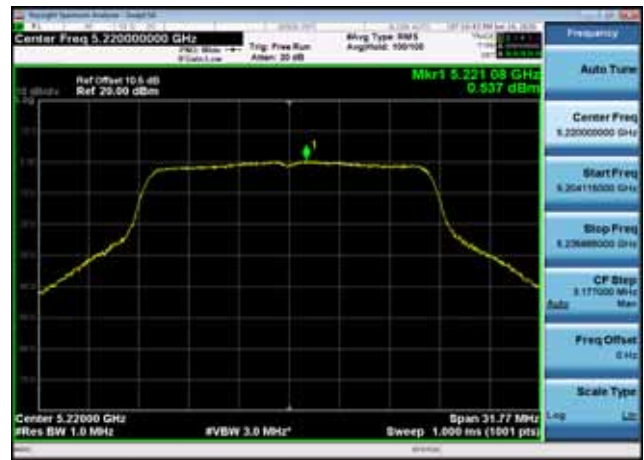
U-NII-1 Power spectral density-802.11  
ac(20MHz),5180MHz,Ant1



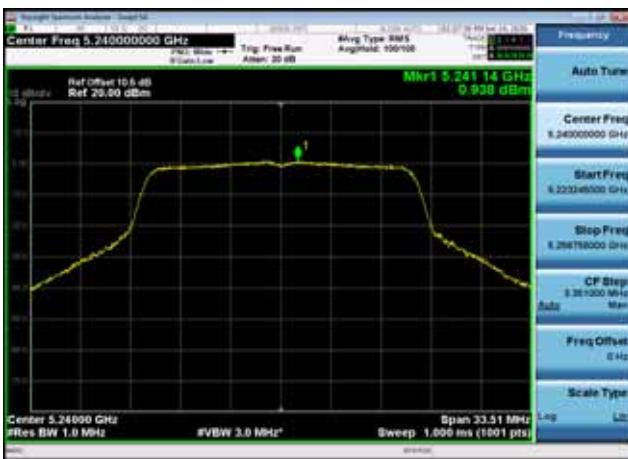
U-NII-1 Power spectral density-802.11  
ac(20MHz),5220MHz,Ant0



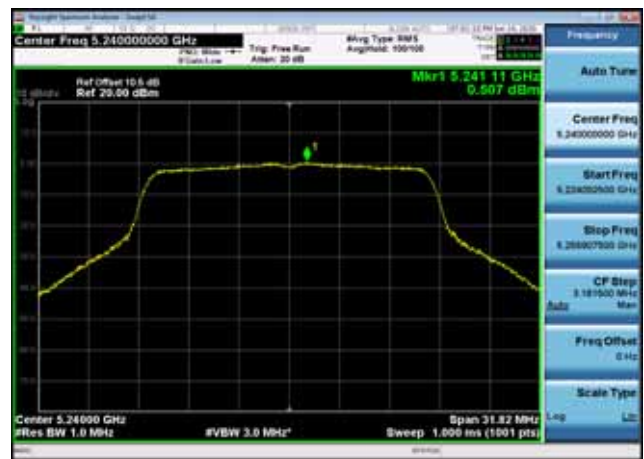
U-NII-1 Power spectral density-802.11  
ac(20MHz),5220MHz,Ant1



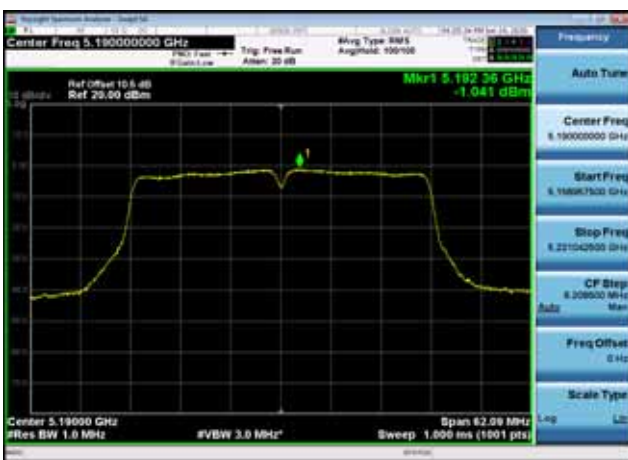
U-NII-1 Power spectral density-802.11  
ac(20MHz),5240MHz,Ant0



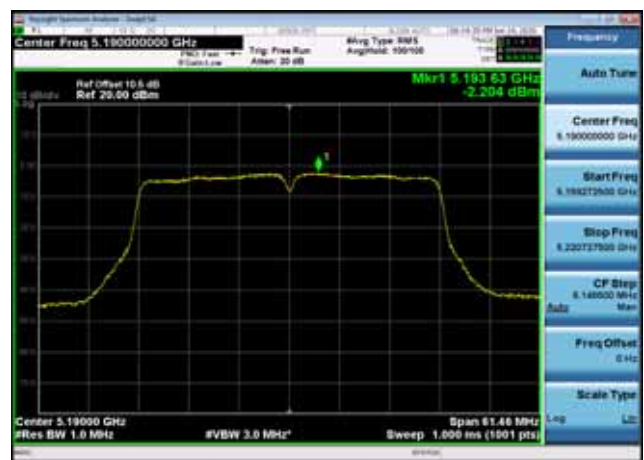
U-NII-1 Power spectral density-802.11  
ac(20MHz),5240MHz,Ant1



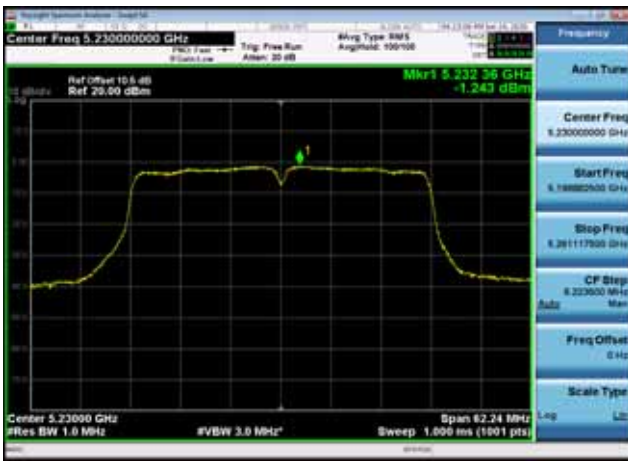
U-NII-1 Power spectral density-802.11  
ac(40MHz),5190MHz,Ant0



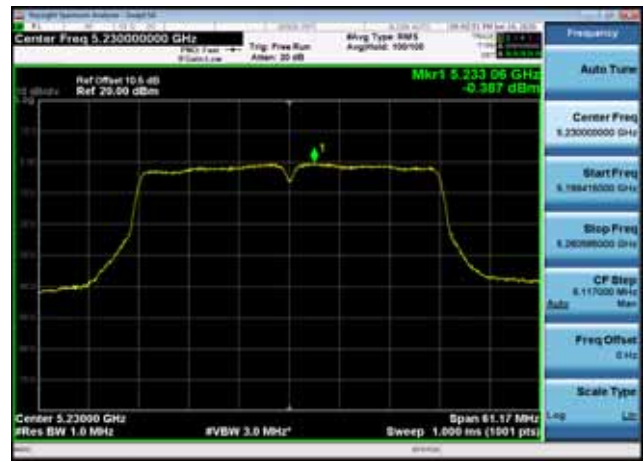
U-NII-1 Power spectral density-802.11  
ac(40MHz),5190MHz,Ant1



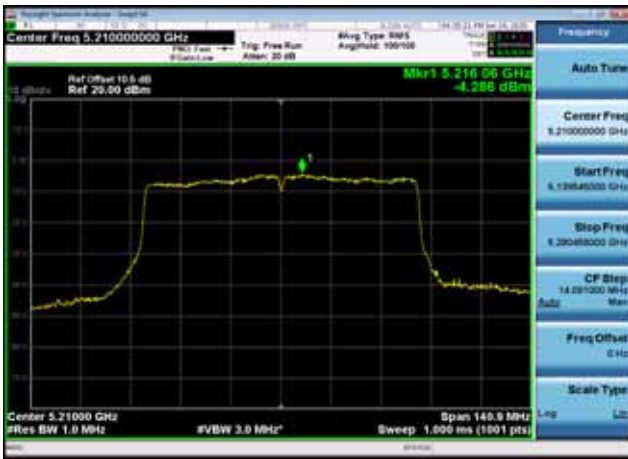
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ac(40MHz),5230MHz,Ant0



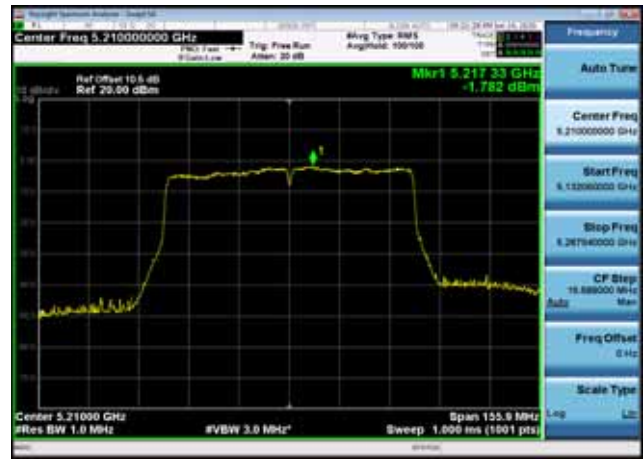
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ac(40MHz),5230MHz,Ant1



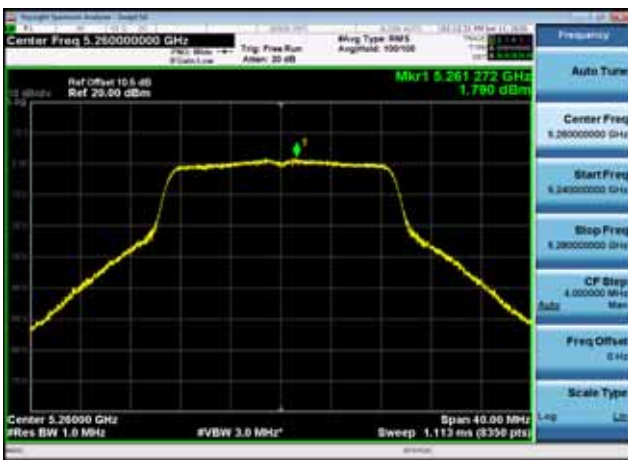
U-NII-1 Power spectral density-802.11  
ac(80MHz),5210MHz,Ant0



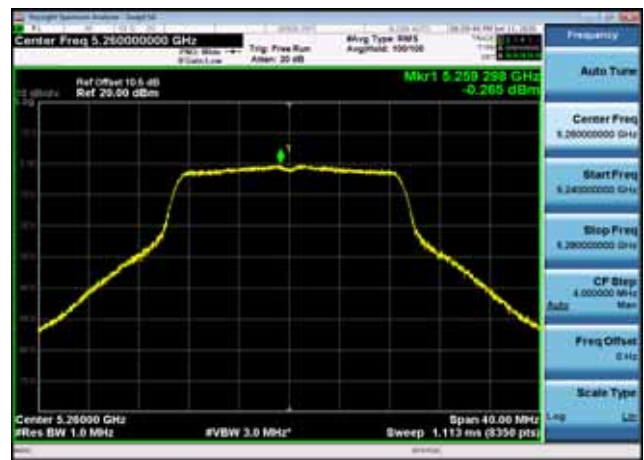
U-NII-1 Power spectral density-802.11  
ac(80MHz),5210MHz,Ant1



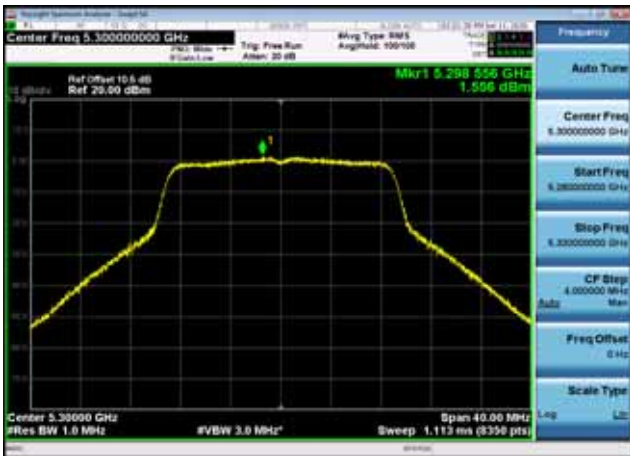
U-NII-2a Power spectral density-802.11  
1n(20MHz),5260MHz,Ant0



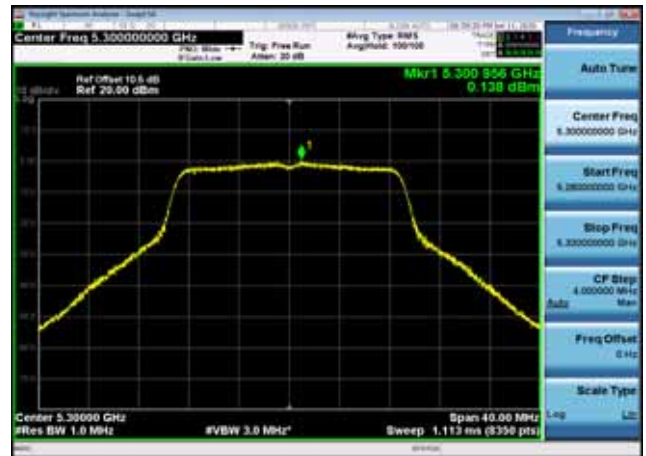
U-NII-2a Power spectral density-802.11  
1n(20MHz),5260MHz,Ant1



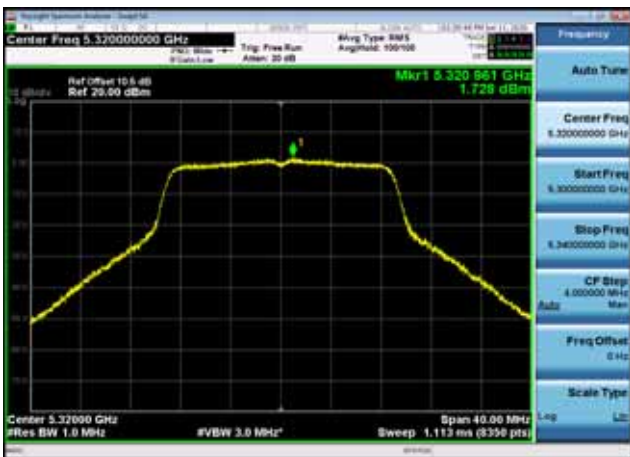
U-NII-2a Power spectral density-802.1  
1n(20MHz),5300MHz,Ant0



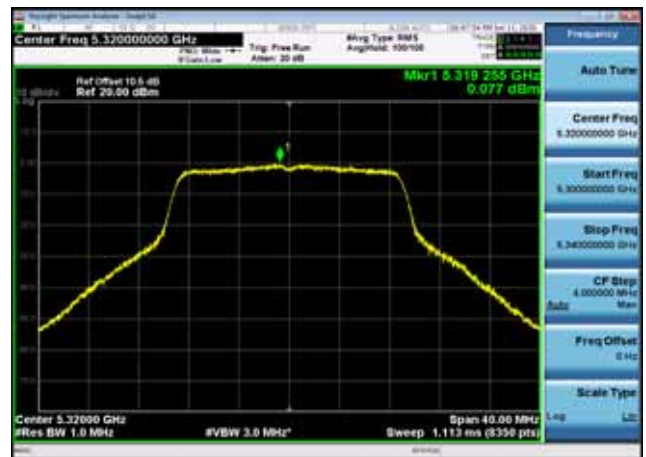
U-NII-2a Power spectral density-802.1  
1n(20MHz),5300MHz,Ant1



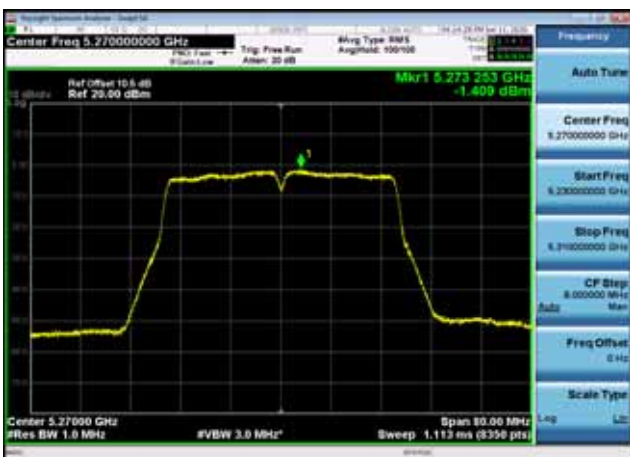
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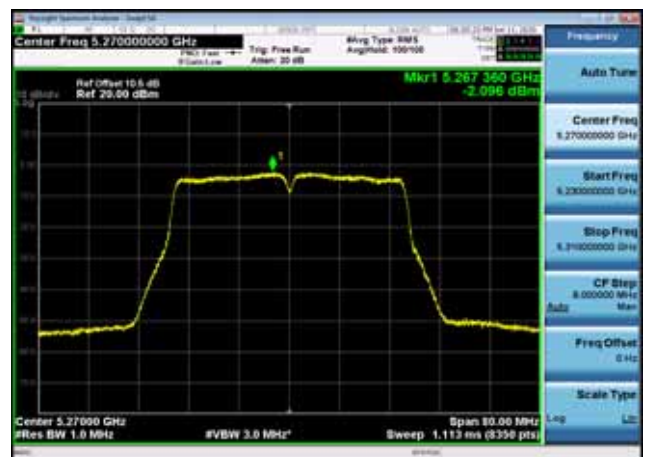
U-NII-2a Power spectral density-802.1  
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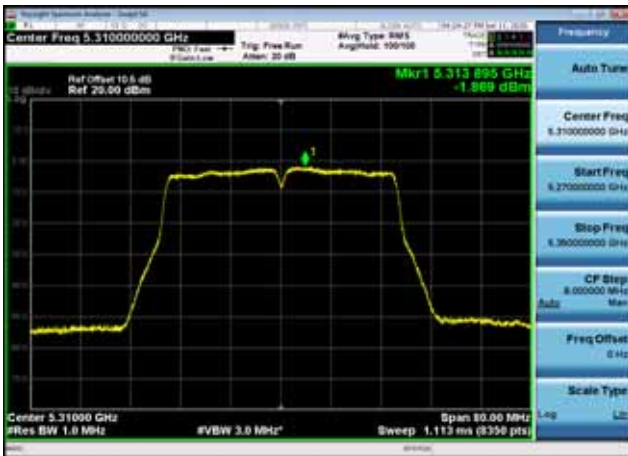
U-NII-2a Power spectral density-802.1  
1n(40MHz),5270MHz,Ant0



U-NII-2a Power spectral density-802.1  
1n(40MHz),5270MHz,Ant1



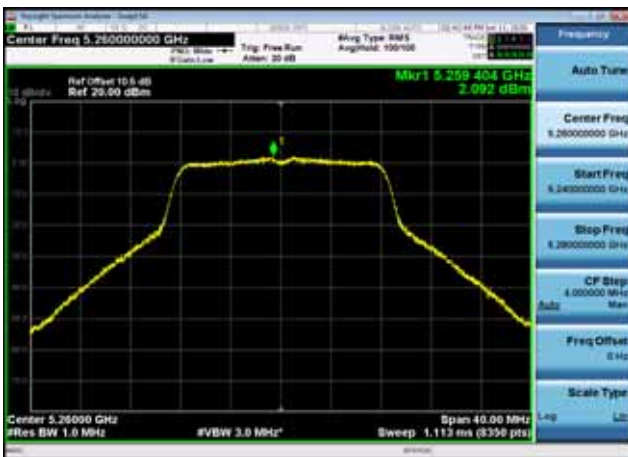
U-NII-2a Power spectral density-802.1  
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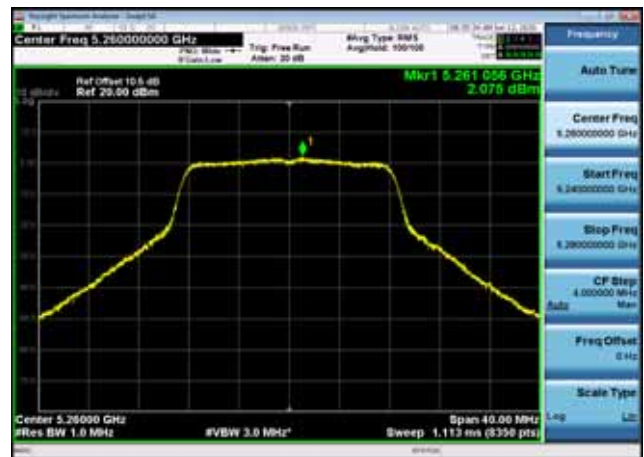
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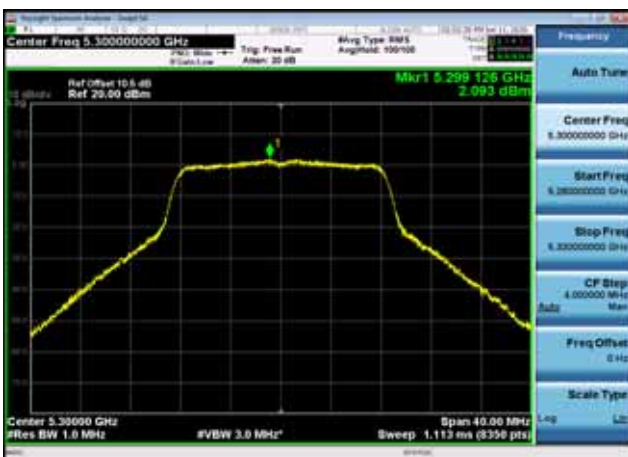
U-NII-2a Power spectral density-802.1  
1a(20MHz),5260MHz,Ant0



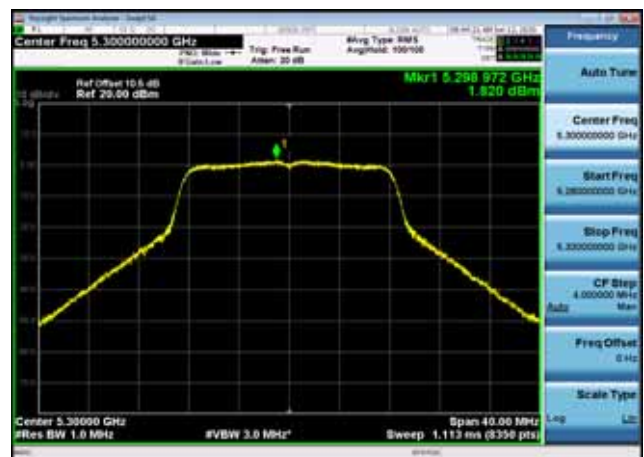
U-NII-2a Power spectral density-802.1  
1a(20MHz),5260MHz,Ant1



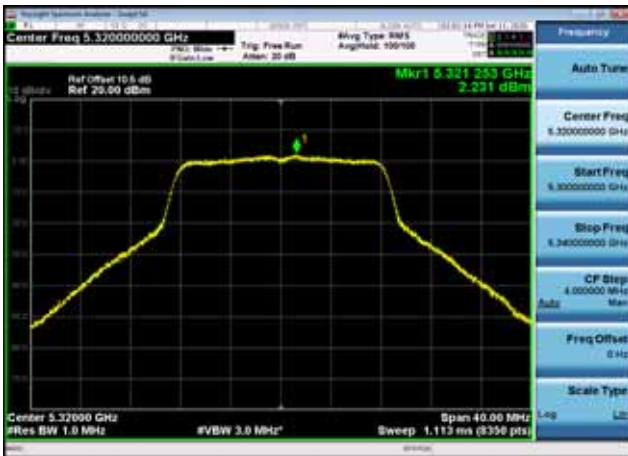
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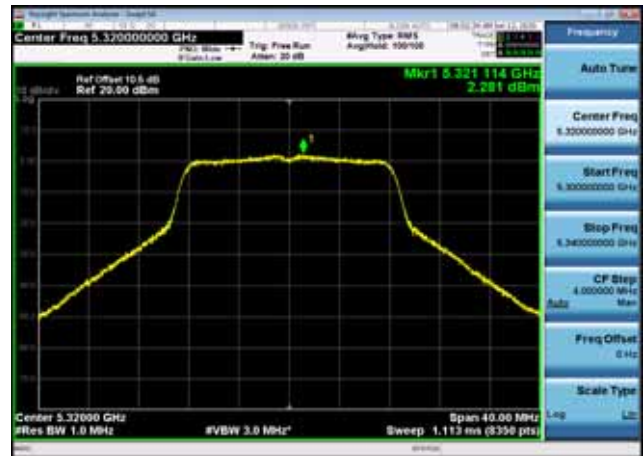
U-NII-2a Power spectral density-802.1  
1a(20MHz),5300MHz,Ant1



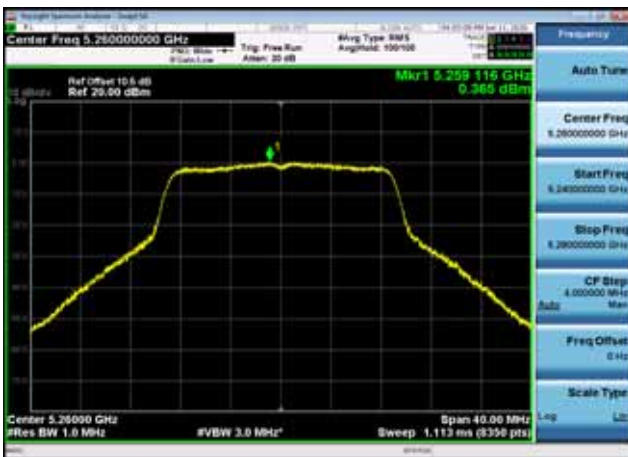
U-NII-2a Power spectral density-802.1  
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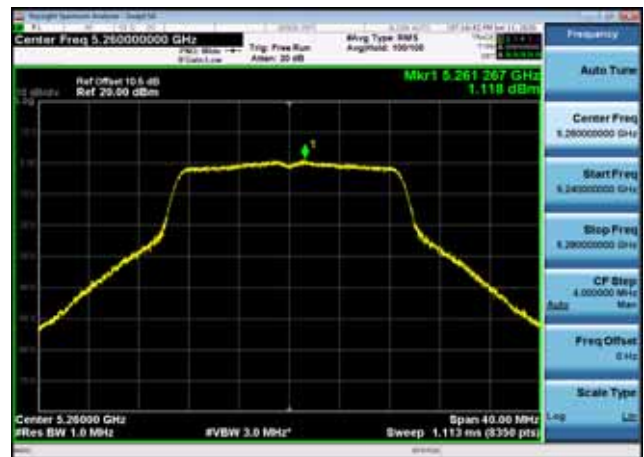
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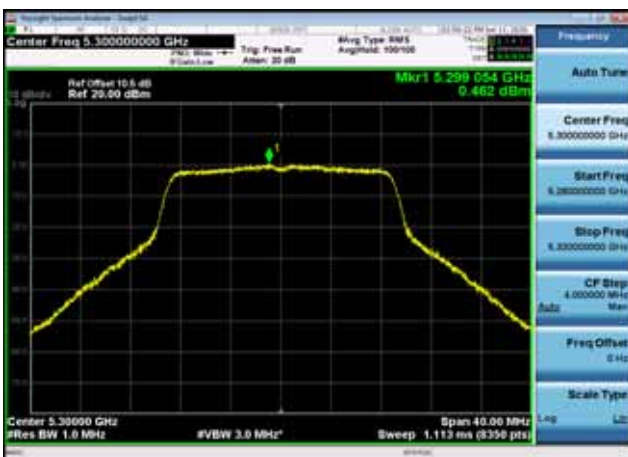
U-NII-2a Power spectral density-802.1  
1ac(20MHz),5260MHz,Ant0



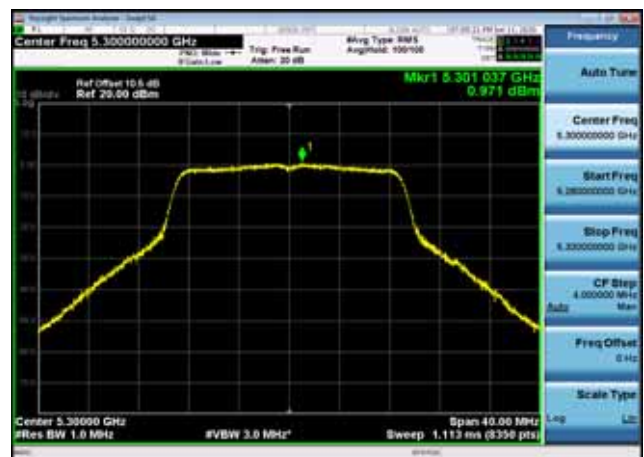
U-NII-2a Power spectral density-802.1  
1ac(20MHz),5260MHz,Ant1



U-NII-2a Power spectral density-802.1  
1ac(20MHz),5300MHz,Ant0

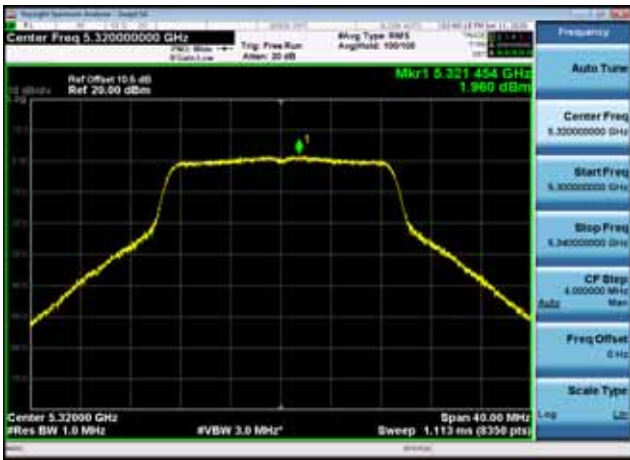


U-NII-2a Power spectral density-802.1  
1ac(20MHz),5300MHz,Ant1

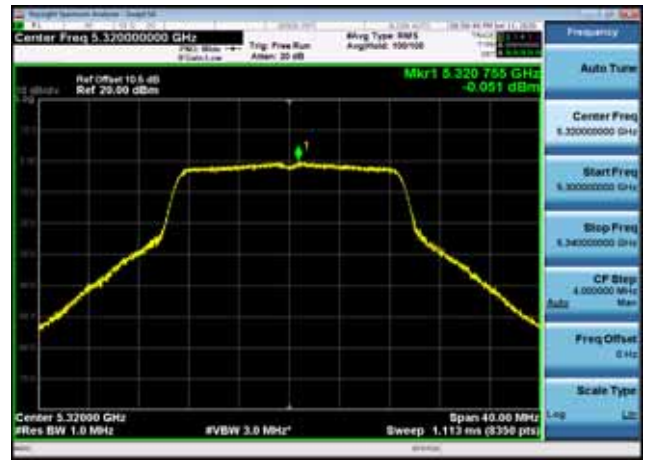




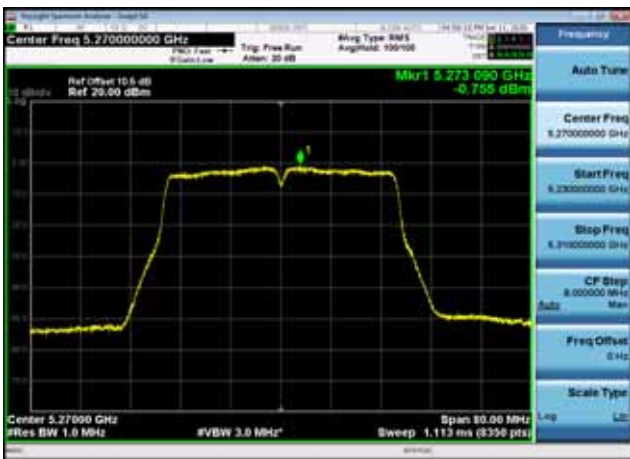
U-NII-2a Power spectral density-802.1  
1ac(20MHz),5320MHz,Ant0



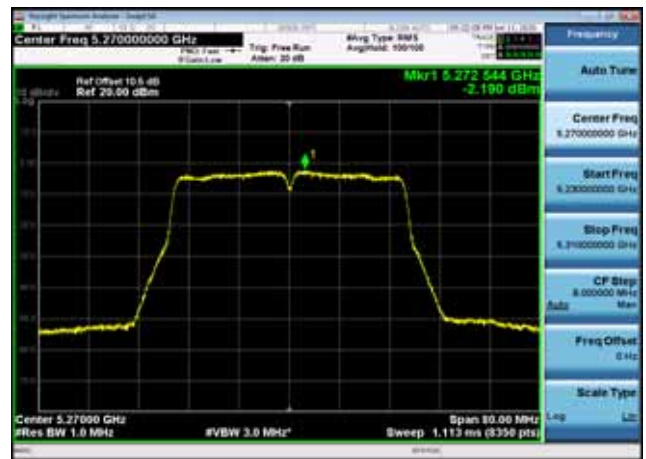
U-NII-2a Power spectral density-802.1  
1ac(20MHz),5320MHz,Ant1



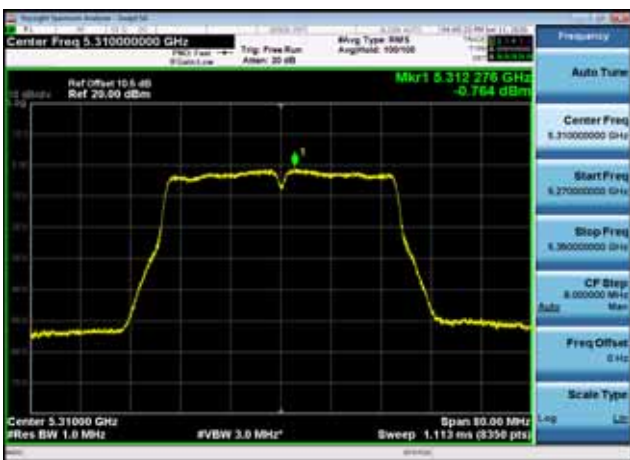
U-NII-2a Power spectral density-802.1  
1ac(40MHz),5270MHz,Ant0



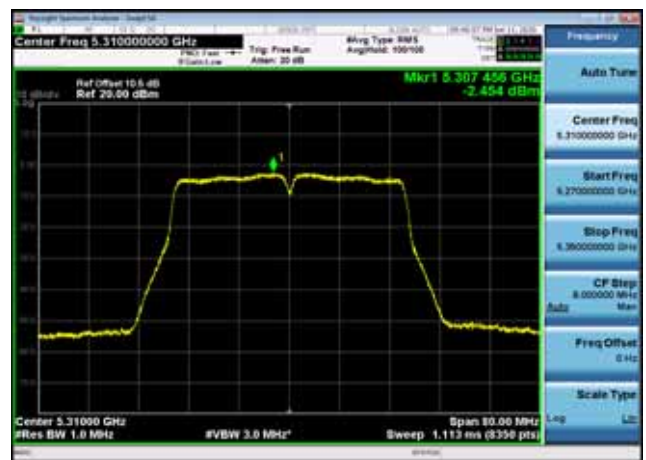
U-NII-2a Power spectral density-802.1  
1ac(40MHz),5270MHz,Ant1



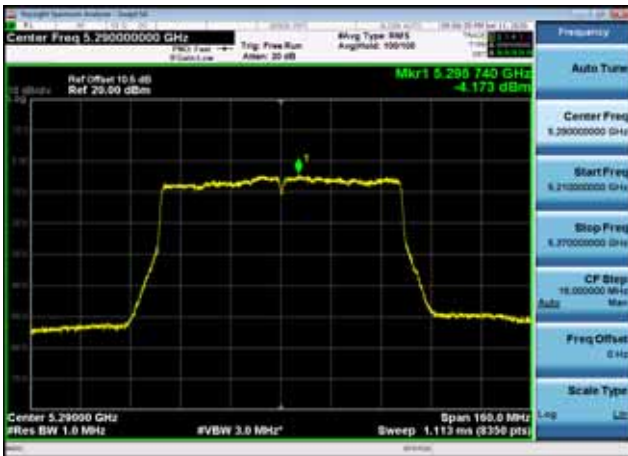
U-NII-2a Power spectral density-802.1  
1ac(40MHz),5310MHz,Ant0



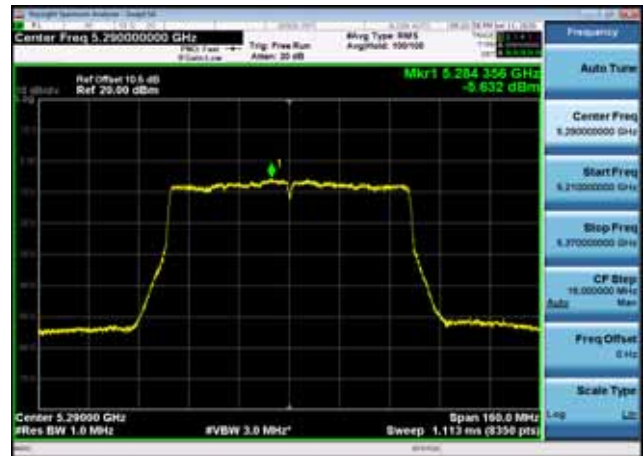
U-NII-2a Power spectral density-802.1  
1ac(40MHz),5310MHz,Ant1



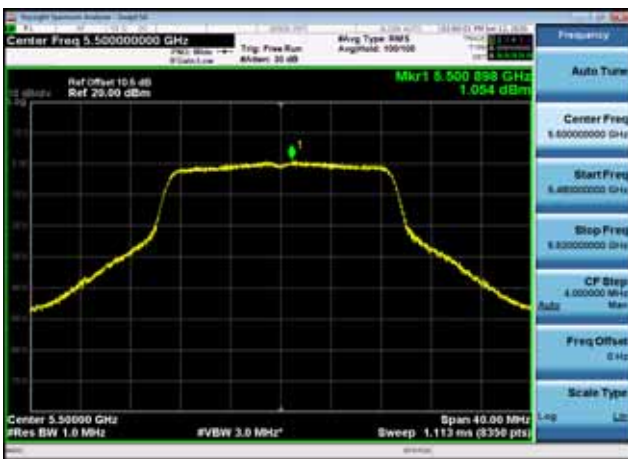
U-NII-2a Power spectral density-802.1  
1ac(80MHz),5290MHz,Ant0



U-NII-2a Power spectral density-802.1  
1ac(80MHz),5290MHz,Ant1



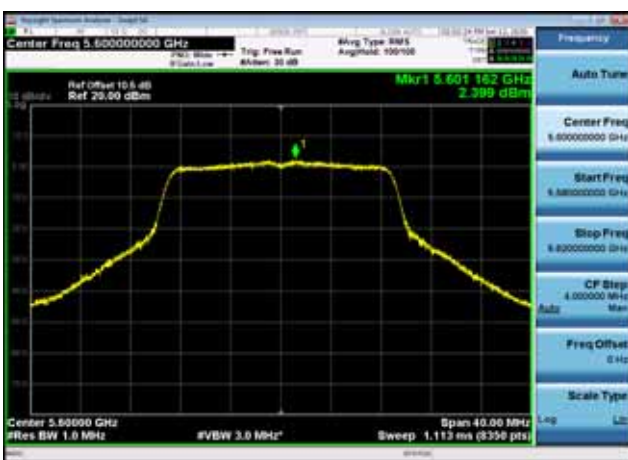
U-NII-2c Power spectral density-802.1  
1n(20MHz),5500MHz,Ant0



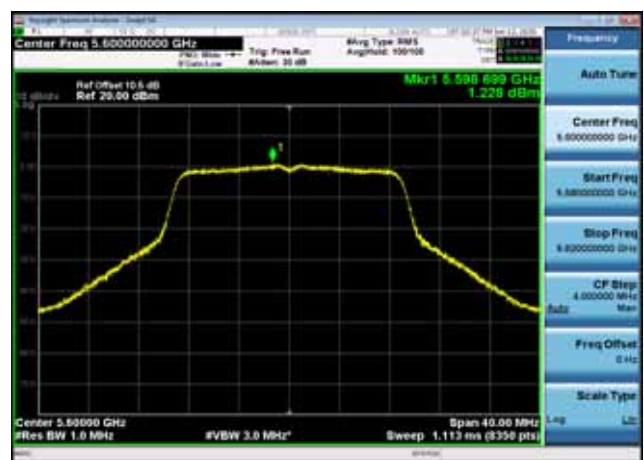
U-NII-2c Power spectral density-802.1  
1n(20MHz),5500MHz,Ant1



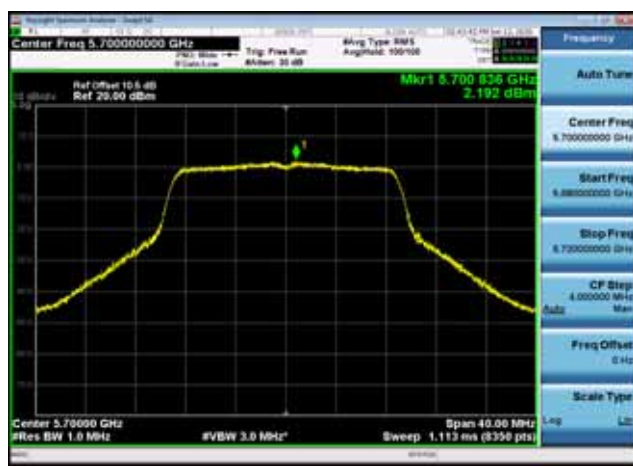
U-NII-2c Power spectral density-802.1  
1n(20MHz),5600MHz,Ant0



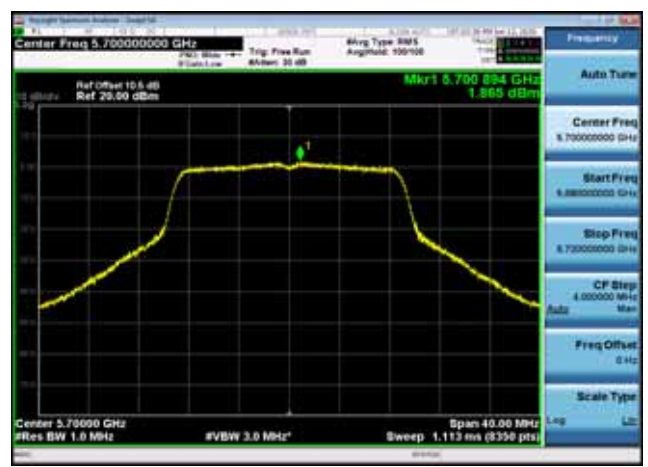
U-NII-2c Power spectral density-802.1  
1n(20MHz),5600MHz,Ant1



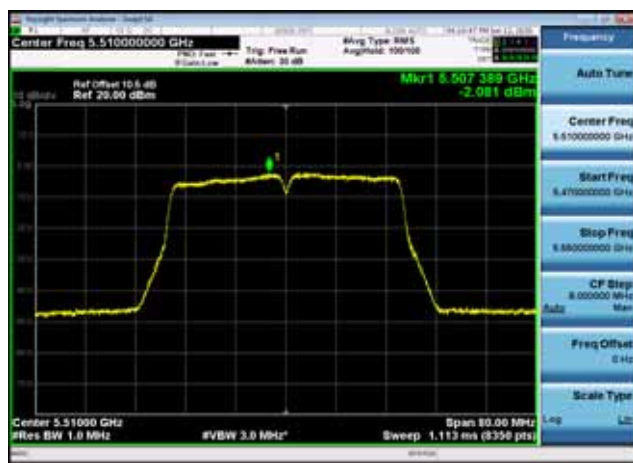
U-NII-2c Power spectral density-802.1  
1n(20MHz),5700MHz,Ant0



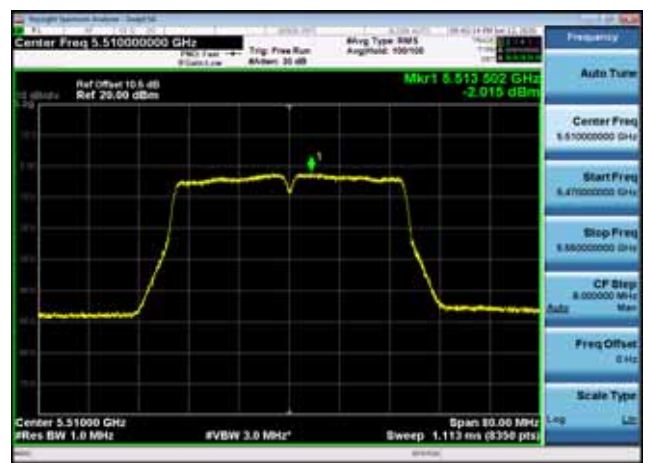
U-NII-2c Power spectral density-802.1  
1n(20MHz),5700MHz,Ant1



U-NII-2c Power spectral density-802.1  
1n(40MHz),5510MHz,Ant0



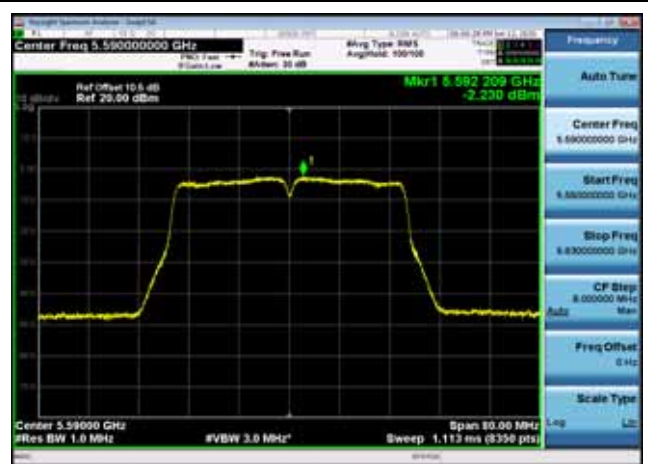
U-NII-2c Power spectral density-802.1  
1n(40MHz),5510MHz,Ant1



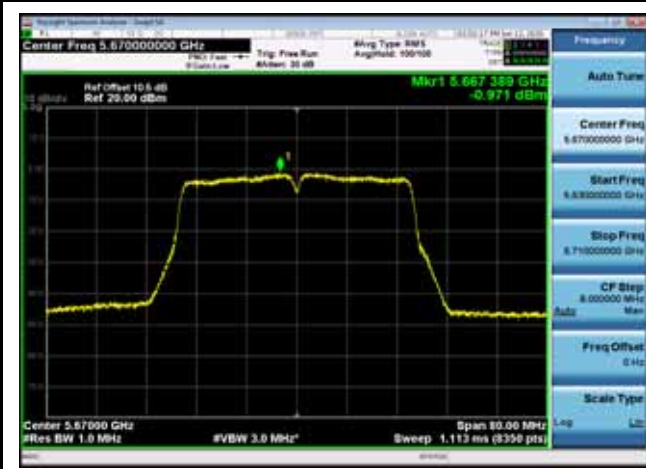
U-NII-2c Power spectral density-802.1  
1n(40MHz),5590MHz,Ant0



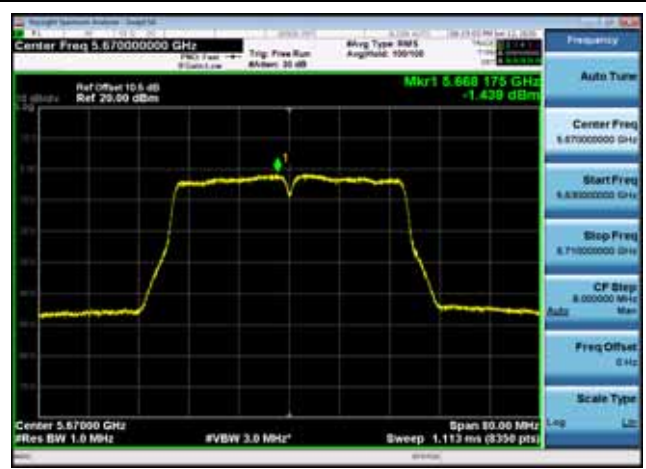
U-NII-2c Power spectral density-802.1  
1n(40MHz),5590MHz,Ant1



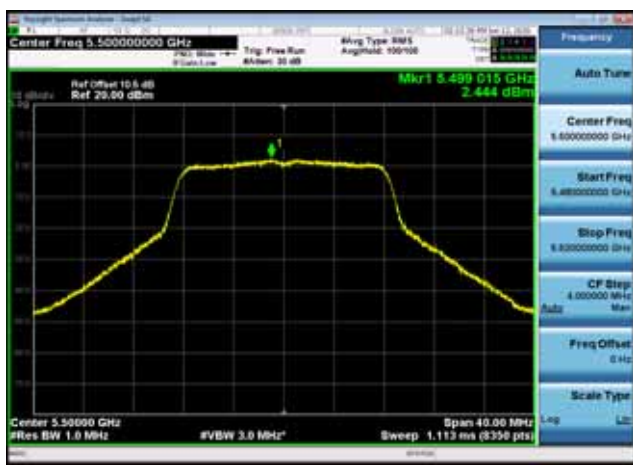
U-NII-2c Power spectral density-802.1  
1n(40MHz),5670MHz,Ant0



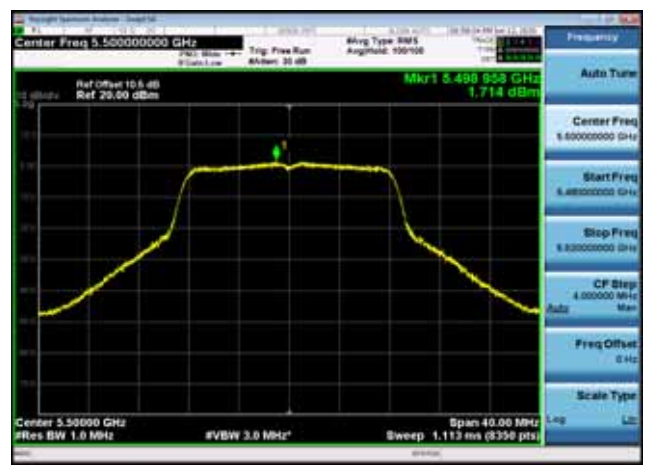
U-NII-2c Power spectral density-802.1  
1n(40MHz),5670MHz,Ant1



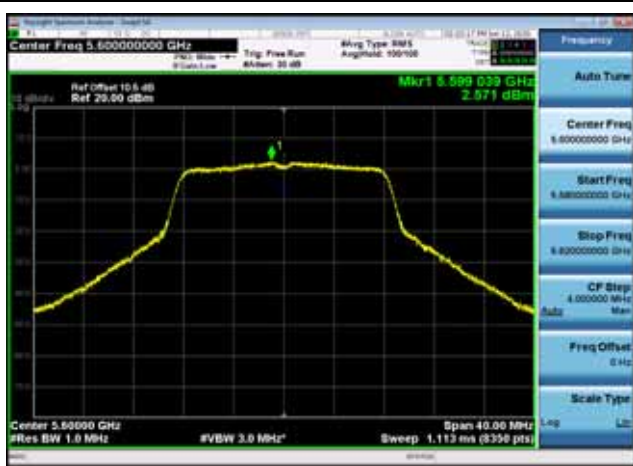
U-NII-2c Power spectral density-802.1  
1a(20MHz),5500MHz,Ant0



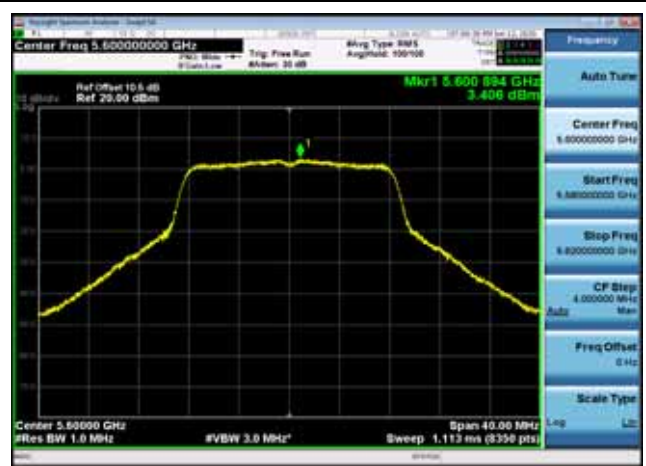
U-NII-2c Power spectral density-802.1  
1a(20MHz),5500MHz,Ant1



U-NII-2c Power spectral density-802.1  
1a(20MHz),5600MHz,Ant0



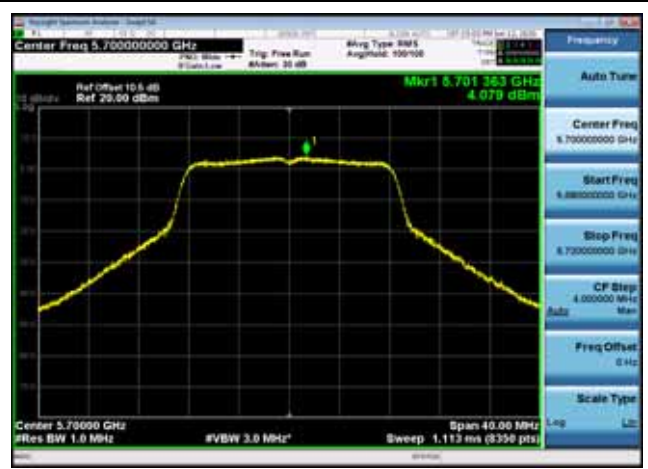
U-NII-2c Power spectral density-802.1  
1a(20MHz),5600MHz,Ant1



U-NII-2c Power spectral density-802.1  
1a(20MHz),5700MHz,Ant0



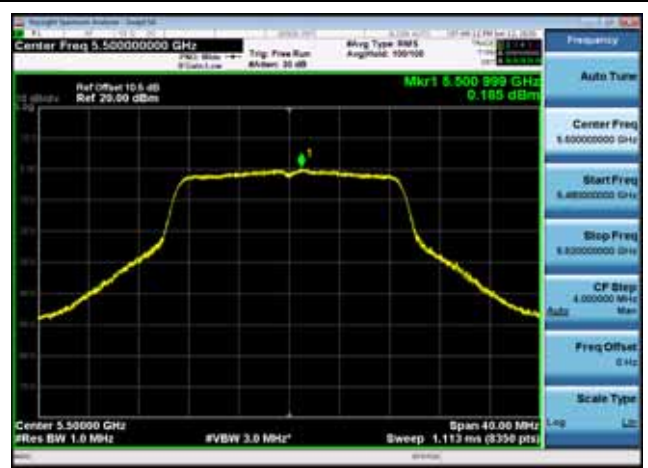
U-NII-2c Power spectral density-802.1  
1a(20MHz),5700MHz,Ant1



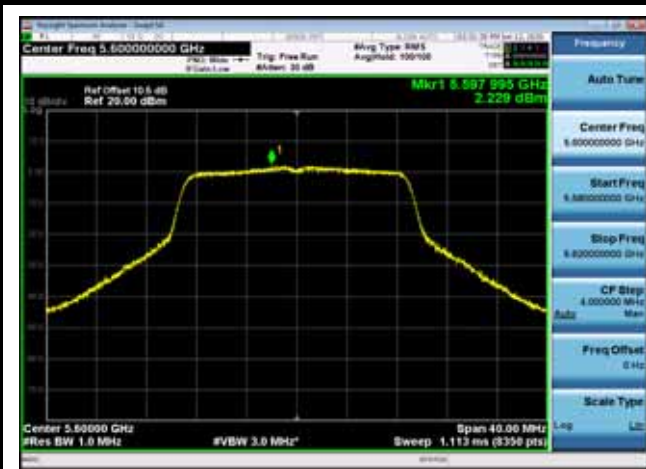
U-NII-2c Power spectral density-802.1  
1ac(20MHz),5500MHz,Ant0



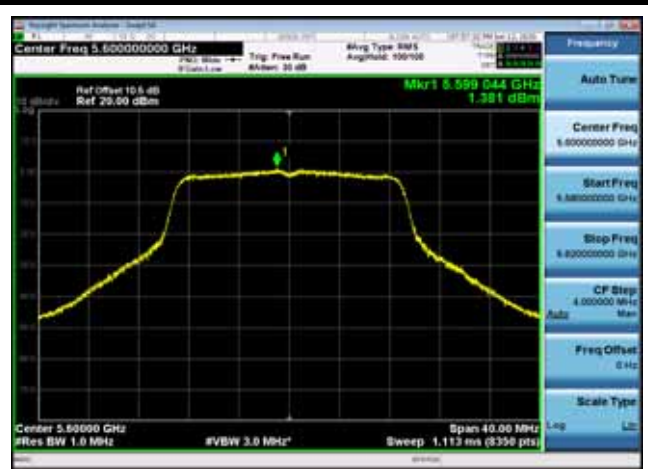
U-NII-2c Power spectral density-802.1  
1ac(20MHz),5500MHz,Ant1



U-NII-2c Power spectral density-802.1  
1ac(20MHz),5600MHz,Ant0



U-NII-2c Power spectral density-802.1  
1ac(20MHz),5600MHz,Ant1



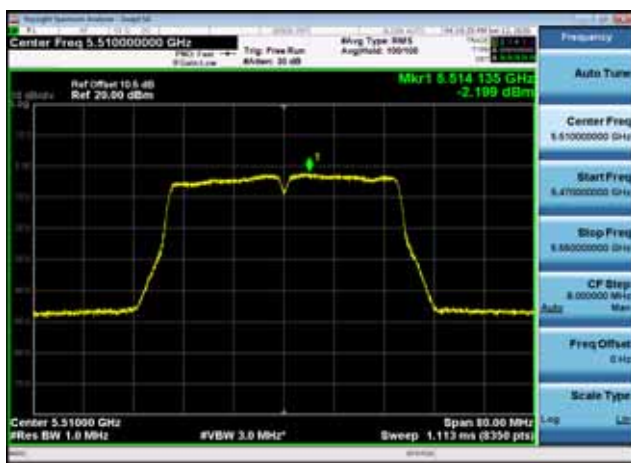
U-NII-2c Power spectral density-802.1  
1ac(20MHz),5700MHz,Ant0



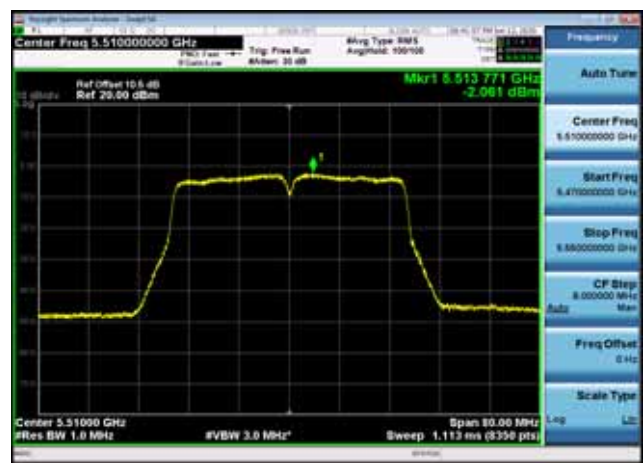
U-NII-2c Power spectral density-802.1  
1ac(20MHz),5700MHz,Ant1



U-NII-2c Power spectral density-802.1  
1ac(40MHz),5510MHz,Ant0



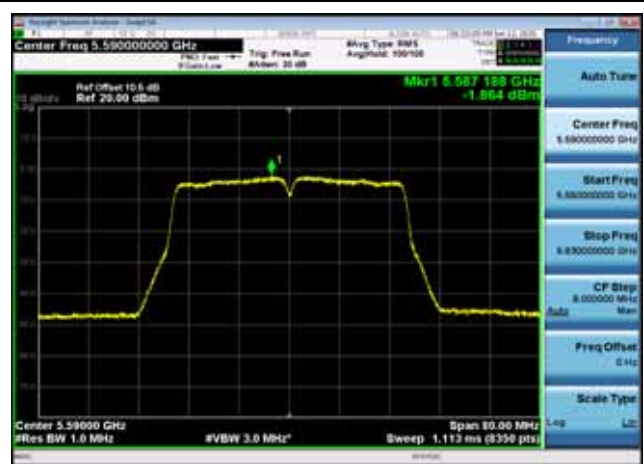
U-NII-2c Power spectral density-802.1  
1ac(40MHz),5510MHz,Ant1



U-NII-2c Power spectral density-802.1  
1ac(40MHz),5590MHz,Ant0



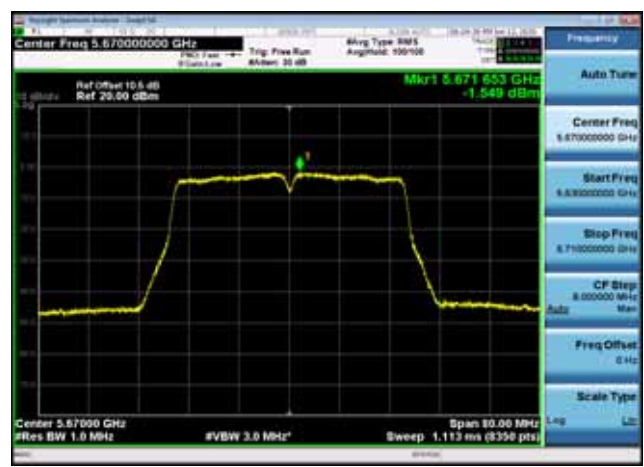
U-NII-2c Power spectral density-802.1  
1ac(40MHz),5590MHz,Ant1



U-NII-2c Power spectral density-802.1  
1ac(40MHz),5670MHz,Ant0



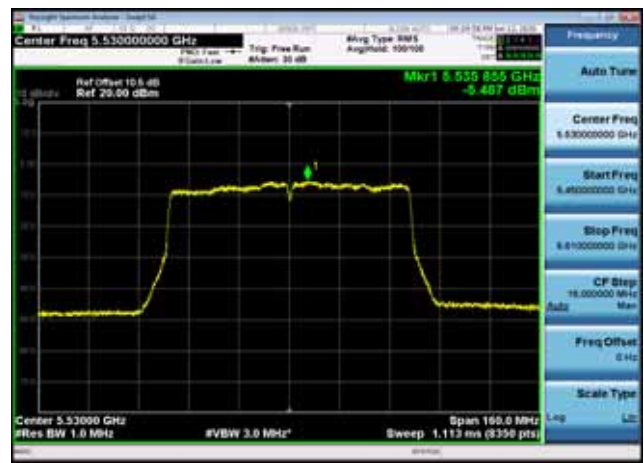
U-NII-2c Power spectral density-802.1  
1ac(40MHz),5670MHz,Ant1



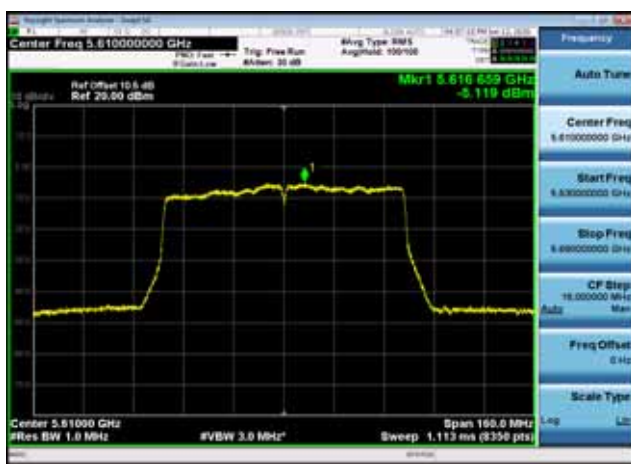
U-NII-2c Power spectral density-802.1  
1ac(80MHz),5530MHz,Ant0



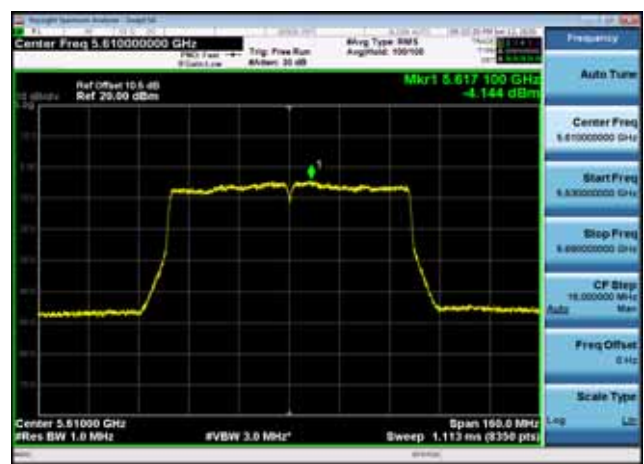
U-NII-2c Power spectral density-802.1  
1ac(80MHz),5530MHz,Ant1



U-NII-2c Power spectral density-802.1  
1ac(80MHz),5610MHz,Ant0



U-NII-2c Power spectral density-802.1  
1ac(80MHz),5610MHz,Ant1



**26dB Down Bandwidth**

## Test Result and Data

U-NII-1 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11n (20MHz)	5180	Ant0	21.30	Pass
802.11n (20MHz)	5180	Ant1	22.28	Pass
802.11n (20MHz)	5220	Ant0	21.26	Pass
802.11n (20MHz)	5220	Ant1	21.63	Pass
802.11n (20MHz)	5240	Ant0	21.57	Pass
802.11n (20MHz)	5240	Ant1	21.34	Pass
802.11n (40MHz)	5190	Ant0	41.26	Pass
802.11n (40MHz)	5190	Ant1	40.86	Pass
802.11n (40MHz)	5230	Ant0	41.68	Pass
802.11n (40MHz)	5230	Ant1	41.20	Pass
802.11ac (20MHz)	5180	Ant0	22.59	Pass
802.11ac (20MHz)	5180	Ant1	21.96	Pass
802.11ac (20MHz)	5220	Ant0	22.38	Pass
802.11ac (20MHz)	5220	Ant1	21.18	Pass
802.11ac (20MHz)	5240	Ant0	22.34	Pass
802.11ac (20MHz)	5240	Ant1	21.21	Pass
802.11ac (40MHz)	5190	Ant0	41.39	Pass
802.11ac (40MHz)	5190	Ant1	40.97	Pass
802.11ac (40MHz)	5230	Ant0	41.49	Pass
802.11ac (40MHz)	5230	Ant1	40.78	Pass
802.11ac (80MHz)	5210	Ant0	93.94	Pass
802.11ac (80MHz)	5210	Ant1	103.92	Pass
802.11a (20MHz)	5180	Ant0	21.14	Pass
802.11a (20MHz)	5180	Ant1	20.97	Pass
802.11a (20MHz)	5220	Ant0	22.09	Pass
802.11a (20MHz)	5220	Ant1	21.44	Pass
802.11a (20MHz)	5240	Ant0	21.69	Pass
802.11a (20MHz)	5240	Ant1	21.53	Pass





U-NII-2a Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11n (20MHz)	5260	Ant0	22.38	Pass
802.11n (20MHz)	5260	Ant1	22.00	Pass
802.11n (20MHz)	5300	Ant0	22.16	Pass
802.11n (20MHz)	5300	Ant1	22.18	Pass
802.11n (20MHz)	5320	Ant0	21.76	Pass
802.11n (20MHz)	5320	Ant1	22.31	Pass
802.11n (40MHz)	5270	Ant0	41.26	Pass
802.11n (40MHz)	5270	Ant1	41.79	Pass
802.11n (40MHz)	5310	Ant0	40.86	Pass
802.11n (40MHz)	5310	Ant1	41.25	Pass
802.11ac (20MHz)	5260	Ant0	21.46	Pass
802.11ac (20MHz)	5260	Ant1	21.67	Pass
802.11ac (20MHz)	5300	Ant0	22.40	Pass
802.11ac (20MHz)	5300	Ant1	21.68	Pass
802.11ac (20MHz)	5320	Ant0	23.07	Pass
802.11ac (20MHz)	5320	Ant1	22.33	Pass
802.11ac (40MHz)	5270	Ant0	40.92	Pass
802.11ac (40MHz)	5270	Ant1	41.98	Pass
802.11ac (40MHz)	5310	Ant0	41.02	Pass
802.11ac (40MHz)	5310	Ant1	41.09	Pass
802.11ac (80MHz)	5290	Ant0	82.89	Pass
802.11ac (80MHz)	5290	Ant1	83.30	Pass
802.11a (20MHz)	5260	Ant0	20.98	Pass
802.11a (20MHz)	5260	Ant1	21.99	Pass
802.11a (20MHz)	5300	Ant0	21.22	Pass
802.11a (20MHz)	5300	Ant1	21.68	Pass
802.11a (20MHz)	5320	Ant0	21.59	Pass
802.11a (20MHz)	5320	Ant1	21.12	Pass



U-NII-2c Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11n (20MHz)	5500	Ant0	22.33	Pass
802.11n (20MHz)	5500	Ant1	22.15	Pass
802.11n (20MHz)	5600	Ant0	21.53	Pass
802.11n (20MHz)	5600	Ant1	22.34	Pass
802.11n (20MHz)	5700	Ant0	21.92	Pass
802.11n (20MHz)	5700	Ant1	21.76	Pass
802.11n (40MHz)	5510	Ant0	41.18	Pass
802.11n (40MHz)	5510	Ant1	40.70	Pass
802.11n (40MHz)	5590	Ant0	40.95	Pass
802.11n (40MHz)	5590	Ant1	41.28	Pass
802.11n (40MHz)	5670	Ant0	41.54	Pass
802.11n (40MHz)	5670	Ant1	40.92	Pass
802.11ac (20MHz)	5500	Ant0	22.71	Pass
802.11ac (20MHz)	5500	Ant1	22.40	Pass
802.11ac (20MHz)	5600	Ant0	22.26	Pass
802.11ac (20MHz)	5600	Ant1	21.90	Pass
802.11ac (20MHz)	5700	Ant0	21.84	Pass
802.11ac (20MHz)	5700	Ant1	22.66	Pass
802.11ac (40MHz)	5510	Ant0	40.70	Pass
802.11ac (40MHz)	5510	Ant1	41.22	Pass
802.11ac (40MHz)	5590	Ant0	40.59	Pass
802.11ac (40MHz)	5590	Ant1	40.92	Pass
802.11ac (40MHz)	5670	Ant0	41.04	Pass
802.11ac (40MHz)	5670	Ant1	40.82	Pass
802.11ac (80MHz)	5530	Ant0	82.44	Pass
802.11ac (80MHz)	5530	Ant1	82.48	Pass
802.11ac (80MHz)	5610	Ant0	82.65	Pass
802.11ac (80MHz)	5610	Ant1	83.31	Pass
802.11a (20MHz)	5500	Ant0	21.55	Pass
802.11a (20MHz)	5500	Ant1	21.51	Pass
802.11a (20MHz)	5600	Ant0	21.19	Pass



802.11a (20MHz)	5600	Ant1	22.00	Pass
802.11a (20MHz)	5700	Ant0	21.89	Pass
802.11a (20MHz)	5700	Ant1	22.05	Pass

### Test Plots

U-NII-1 26dB Bandwidth-802.11n(20MHz)  
,5180MHz,Ant0



U-NII-1 26dB Bandwidth-802.11n(20MHz)  
,5180MHz,Ant1



U-NII-1 26dB Bandwidth-802.11n(20MHz)  
,5220MHz,Ant0



U-NII-1 26dB Bandwidth-802.11n(20MHz)  
,5220MHz,Ant1



U-NII-1 26dB Bandwidth-802.11n(20MHz)  
,5240MHz,Ant0



U-NII-1 26dB Bandwidth-802.11n(20MHz)  
,5240MHz,Ant1



U-NII-1 26dB Bandwidth-802.11n(40MHz)  
,5190MHz,Ant0



U-NII-1 26dB Bandwidth-802.11n(40MHz)  
,5190MHz,Ant1



U-NII-1 26dB Bandwidth-802.11n(40MHz)  
,5230MHz,Ant0



U-NII-1 26dB Bandwidth-802.11n(40MHz)  
,5230MHz,Ant1



U-NII-1 26dB Bandwidth-802.11a(20MHz)  
,5180MHz,Ant0



U-NII-1 26dB Bandwidth-802.11a(20MHz)  
,5180MHz,Ant1



U-NII-1 26dB Bandwidth-802.11a(20MHz)  
,5220MHz,Ant0



U-NII-1 26dB Bandwidth-802.11a(20MHz)  
,5220MHz,Ant1



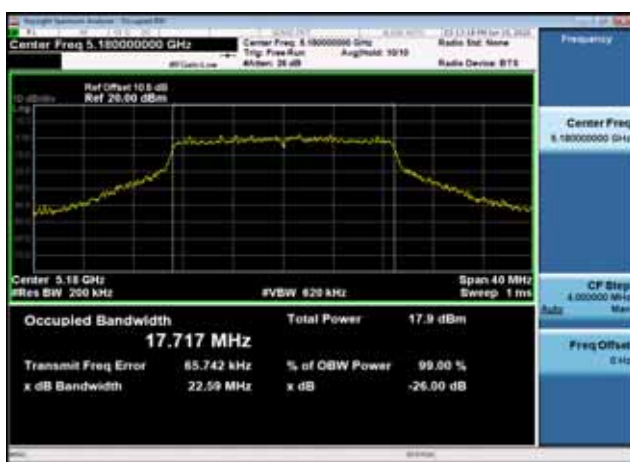
U-NII-1 26dB Bandwidth-802.11a(20MHz)  
,5240MHz,Ant0



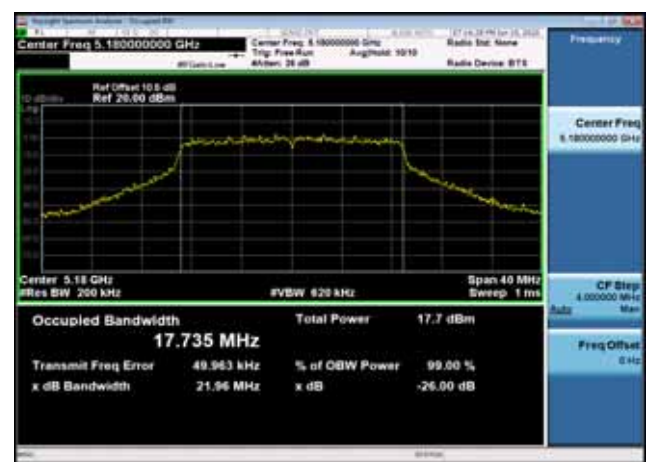
U-NII-1 26dB Bandwidth-802.11a(20MHz)  
,5240MHz,Ant1



U-NII-1 26dB Bandwidth-802.11ac(20MHz)  
,5180MHz,Ant0



U-NII-1 26dB Bandwidth-802.11ac(20MHz)  
,5180MHz,Ant1



U-NII-1 26dB Bandwidth-802.11ac(20MHz),5220MHz,Ant0



U-NII-1 26dB Bandwidth-802.11ac(20MHz),5220MHz,Ant1



U-NII-1 26dB Bandwidth-802.11ac(20MHz),5240MHz,Ant0



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



U-NII-1 26dB Bandwidth-802.11ac(40MHz),5190MHz,Ant0



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



U-NII-1 26dB Bandwidth-802.11ac(40MHz),5230MHz,Ant0



U-NII-1 26dB Bandwidth-802.11ac(40MHz),5230MHz,Ant1



U-NII-1 26dB Bandwidth-802.11ac(80MHz),5210MHz,Ant0



U-NII-1 26dB Bandwidth-802.11ac(80MHz),5210MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11n(20MHz),5260MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11n(20MHz),5260MHz,Ant1





U-NII-2a 26dB Bandwidth-802.11n(20MHz),5300MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11n(20MHz),5300MHz,Ant1



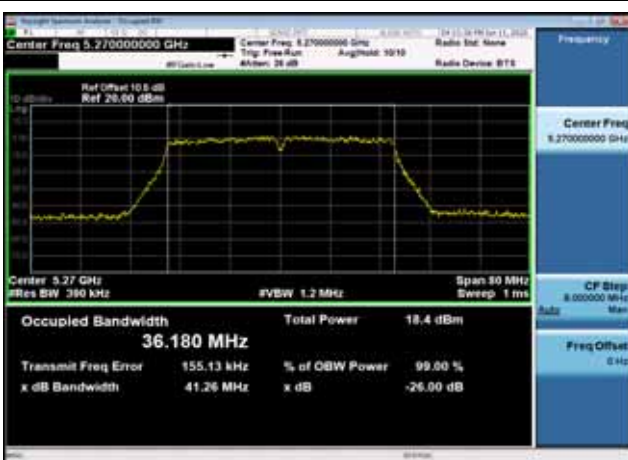
U-NII-2a 26dB Bandwidth-802.11n(20MHz),5320MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11n(20MHz),5320MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11n(40MHz),5270MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11n(40MHz),5270MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11n(40MHz),5310MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11n(40MHz),5310MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11a(20MHz),5260MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11a(20MHz),5260MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11a(20MHz),5300MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11a(20MHz),5300MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11a(20MHz),5320MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11a(20MHz),5320MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11ac(20MHz),5260MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11ac(20MHz),5260MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11ac(20MHz),5300MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11ac(20MHz),5300MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11ac(20MHz),5320MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11ac(20MHz),5320MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11ac(40MHz),5270MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11ac(40MHz),5270MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11ac(40MHz),5310MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11ac(40MHz),5310MHz,Ant1



U-NII-2a 26dB Bandwidth-802.11ac(80MHz),5290MHz,Ant0



U-NII-2a 26dB Bandwidth-802.11ac(80MHz),5290MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11n(20MHz),5500MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11n(20MHz),5500MHz,Ant1

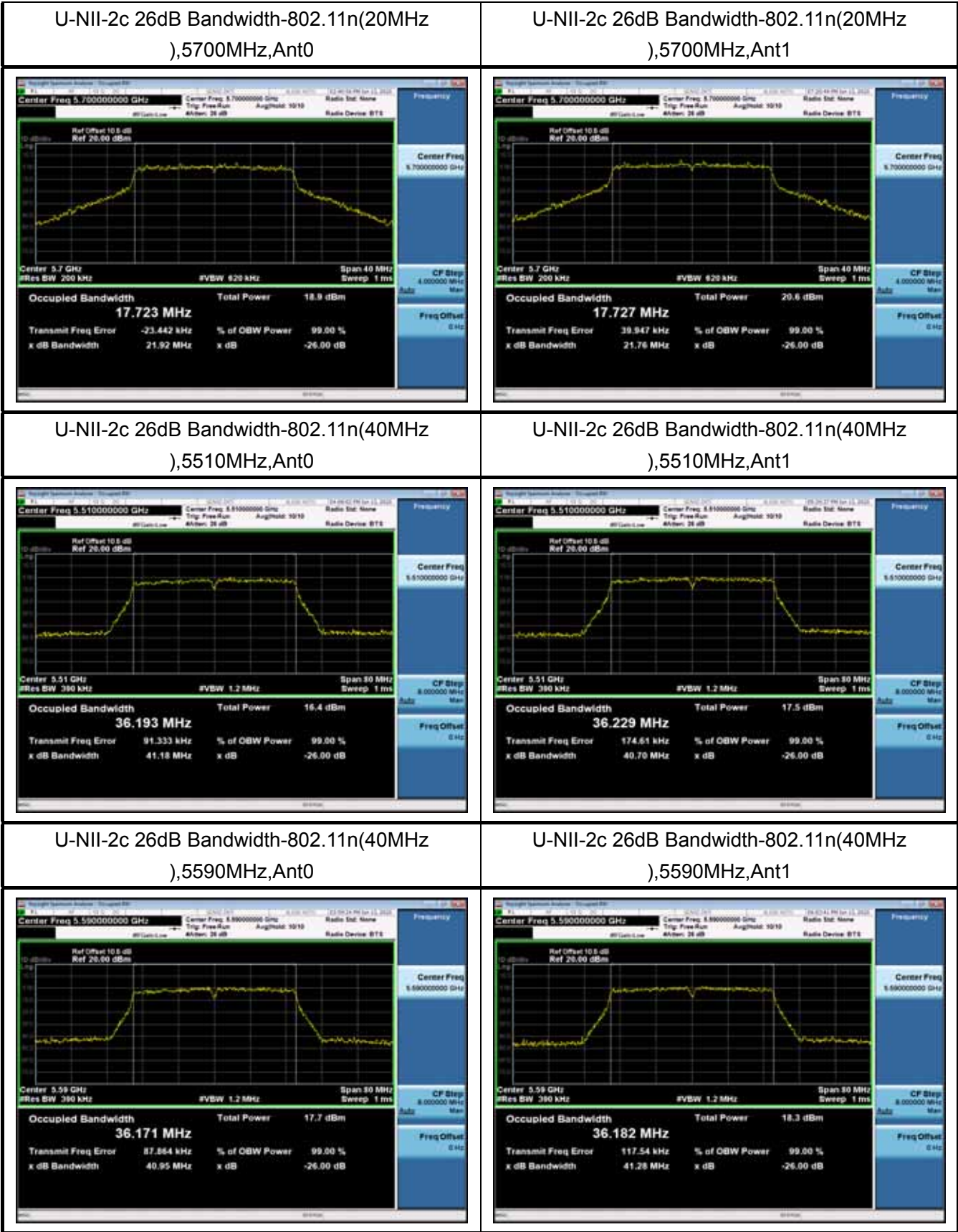


U-NII-2c 26dB Bandwidth-802.11n(20MHz),5600MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11n(20MHz),5600MHz,Ant1





U-NII-2c 26dB Bandwidth-802.11n(40MHz),5670MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11n(40MHz),5670MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11a(20MHz),5500MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11a(20MHz),5500MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11a(20MHz),5600MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11a(20MHz),5600MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11a(20MHz),5700MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11a(20MHz),5700MHz,Ant1



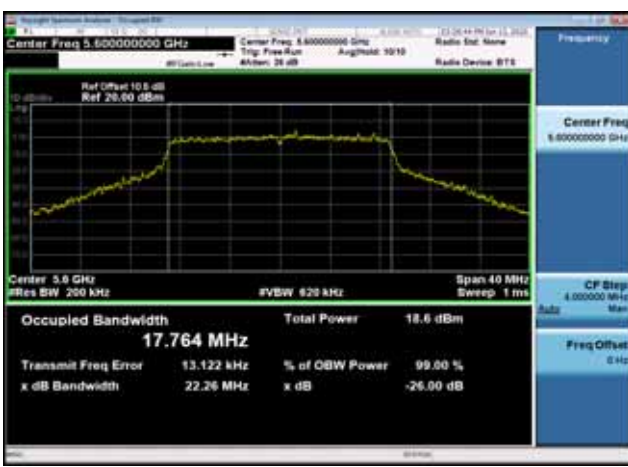
U-NII-2c 26dB Bandwidth-802.11ac(20MHz),5500MHz,Ant0



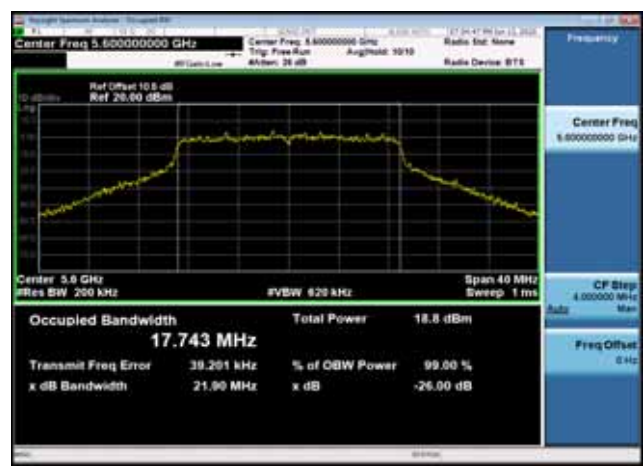
U-NII-2c 26dB Bandwidth-802.11ac(20MHz),5500MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11ac(20MHz),5600MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(20MHz),5600MHz,Ant1





U-NII-2c 26dB Bandwidth-802.11ac(20MHz),5700MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(20MHz),5700MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11ac(40MHz),5510MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(40MHz),5510MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11ac(40MHz),5590MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(40MHz),5590MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11ac(40MHz),5670MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(40MHz),5670MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11ac(80MHz),5530MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(80MHz),5530MHz,Ant1



U-NII-2c 26dB Bandwidth-802.11ac(80MHz),5610MHz,Ant0



U-NII-2c 26dB Bandwidth-802.11ac(80MHz),5610MHz,Ant1



**Frequency Stability**

U-NII-1 Centre Frequency							
Mode	Test Frequency (MHz)	Ant	LF (MHz)	HF (MHz)	CF (MHz)	Freq Stability (ppm)	Test Result
802.11n (20MHz)	5180	Ant0	5171.118	5188.878	5179.998	-0.400	Pass
802.11n (20MHz)	5180	Ant1	5171.124	5188.923	5180.023	4.500	Pass
802.11n (20MHz)	5220	Ant0	5211.194	5228.822	5220.008	1.520	Pass
802.11n (20MHz)	5220	Ant1	5211.198	5228.882	5220.040	7.660	Pass
802.11n (20MHz)	5240	Ant0	5231.178	5248.847	5240.012	2.310	Pass
802.11n (20MHz)	5240	Ant1	5231.197	5248.882	5240.039	7.470	Pass
802.11n (40MHz)	5190	Ant0	5171.816	5208.293	5190.054	10.400	Pass
802.11n (40MHz)	5190	Ant1	5171.840	5208.275	5190.057	10.980	Pass
802.11n (40MHz)	5230	Ant0	5211.835	5248.218	5230.026	5.020	Pass
802.11n (40MHz)	5230	Ant1	5211.810	5248.297	5230.053	10.180	Pass
802.11ac (20MHz)	5180	Ant0	5171.109	5188.918	5180.013	2.570	Pass
802.11ac (20MHz)	5180	Ant1	5171.186	5188.898	5180.042	8.120	Pass
802.11ac (20MHz)	5220	Ant0	5211.109	5228.887	5219.998	-0.400	Pass
802.11ac (20MHz)	5220	Ant1	5211.108	5228.904	5220.006	1.200	Pass
802.11ac (20MHz)	5240	Ant0	5231.204	5248.822	5240.013	2.470	Pass
802.11ac (20MHz)	5240	Ant1	5231.179	5248.883	5240.031	5.960	Pass
802.11ac (40MHz)	5190	Ant0	5171.838	5208.281	5190.059	11.420	Pass
802.11ac (40MHz)	5190	Ant1	5171.834	5208.245	5190.039	7.510	Pass
802.11ac (40MHz)	5230	Ant0	5211.826	5248.249	5230.038	7.170	Pass



802.11ac (40MHz)	5230	Ant1	5211.838	5248.252	5230.045	8.600	Pass
802.11ac (80MHz)	5210	Ant0	5171.903	5248.233	5210.068	13.120	Pass
802.11ac (80MHz)	5210	Ant1	5171.910	5248.273	5210.092	17.590	Pass
802.11a (20MHz)	5180	Ant0	5171.733	5188.253	5179.993	-1.450	Pass
802.11a (20MHz)	5180	Ant1	5171.727	5188.262	5179.994	-1.130	Pass
802.11a (20MHz)	5220	Ant0	5211.781	5228.241	5220.011	2.080	Pass
802.11a (20MHz)	5220	Ant1	5211.803	5228.205	5220.004	0.800	Pass
802.11a (20MHz)	5240	Ant0	5231.735	5248.257	5239.996	-0.800	Pass
802.11a (20MHz)	5240	Ant1	5231.806	5248.251	5240.028	5.410	Pass



U-NII-2a Centre Frequency							
Mode	Test Frequency (MHz)	Ant	LF (MHz)	HF (MHz)	CF (MHz)	Freq Stability (ppm)	Test Result
802.11n (20MHz)	5260	Ant0	5251.179	5268.920	5260.050	9.430	Pass
802.11n (20MHz)	5260	Ant1	5251.175	5268.890	5260.033	6.180	Pass
802.11n (20MHz)	5300	Ant0	5291.193	5308.913	5300.053	10.060	Pass
802.11n (20MHz)	5300	Ant1	5291.190	5308.813	5300.002	0.310	Pass
802.11n (20MHz)	5320	Ant0	5311.188	5328.906	5320.047	8.850	Pass
802.11n (20MHz)	5320	Ant1	5311.169	5328.834	5320.002	0.310	Pass
802.11n (40MHz)	5270	Ant0	5251.832	5288.284	5270.058	10.960	Pass
802.11n (40MHz)	5270	Ant1	5251.741	5288.291	5270.016	2.990	Pass
802.11n (40MHz)	5310	Ant0	5291.831	5328.266	5310.048	9.040	Pass
802.11n (40MHz)	5310	Ant1	5291.805	5328.272	5310.038	7.200	Pass
802.11ac (20MHz)	5260	Ant0	5251.180	5268.927	5260.053	10.140	Pass
802.11ac (20MHz)	5260	Ant1	5251.154	5268.884	5260.019	3.640	Pass
802.11ac (20MHz)	5300	Ant0	5291.207	5308.898	5300.052	9.830	Pass
802.11ac (20MHz)	5300	Ant1	5291.093	5308.938	5300.015	2.830	Pass
802.11ac (20MHz)	5320	Ant0	5311.196	5328.823	5320.010	1.800	Pass
802.11ac (20MHz)	5320	Ant1	5311.162	5328.909	5320.035	6.660	Pass
802.11ac (40MHz)	5270	Ant0	5251.804	5288.293	5270.048	9.110	Pass
802.11ac (40MHz)	5270	Ant1	5251.822	5288.231	5270.026	4.980	Pass
802.11ac (40MHz)	5310	Ant0	5291.840	5328.272	5310.056	10.450	Pass



802.11ac (40MHz)	5310	Ant1	5291.825	5328.215	5310.020	3.670	Pass
802.11ac (80MHz)	5290	Ant0	5251.897	5328.253	5290.075	14.180	Pass
802.11ac (80MHz)	5290	Ant1	5251.887	5328.230	5290.058	11.030	Pass
802.11a (20MHz)	5260	Ant0	5251.764	5268.284	5260.024	4.590	Pass
802.11a (20MHz)	5260	Ant1	5251.699	5268.286	5259.993	-1.430	Pass
802.11a (20MHz)	5300	Ant0	5291.807	5308.202	5300.004	0.790	Pass
802.11a (20MHz)	5300	Ant1	5291.808	5308.174	5299.991	-1.650	Pass
802.11a (20MHz)	5320	Ant0	5311.808	5328.202	5320.005	0.940	Pass
802.11a (20MHz)	5320	Ant1	5311.712	5328.264	5319.988	-2.270	Pass



U-NII-2c Centre Frequency							
Mode	Test Frequency (MHz)	Ant	LF (MHz)	HF (MHz)	CF (MHz)	Freq Stability (ppm)	Test Result
802.11n (20MHz)	5500	Ant0	5491.172	5508.829	5500.000	0.080	Pass
802.11n (20MHz)	5500	Ant1	5491.208	5508.874	5500.041	7.500	Pass
802.11n (20MHz)	5600	Ant0	5591.089	5608.888	5599.989	-2.010	Pass
802.11n (20MHz)	5600	Ant1	5591.183	5608.880	5600.032	5.650	Pass
802.11n (20MHz)	5700	Ant0	5691.093	5708.826	5699.959	-7.160	Pass
802.11n (20MHz)	5700	Ant1	5691.101	5708.912	5700.006	1.100	Pass
802.11n (40MHz)	5510	Ant0	5491.810	5528.299	5510.054	9.800	Pass
802.11n (40MHz)	5510	Ant1	5491.750	5528.302	5510.026	4.630	Pass
802.11n (40MHz)	5590	Ant0	5571.811	5608.219	5590.015	2.680	Pass
802.11n (40MHz)	5590	Ant1	5571.826	5608.231	5590.029	5.100	Pass
802.11n (40MHz)	5670	Ant0	5651.801	5688.207	5670.004	0.660	Pass
802.11n (40MHz)	5670	Ant1	5651.820	5688.273	5670.047	8.200	Pass
802.11ac (20MHz)	5500	Ant0	5491.093	5508.880	5499.986	-2.500	Pass
802.11ac (20MHz)	5500	Ant1	5491.113	5508.904	5500.008	1.520	Pass
802.11ac (20MHz)	5600	Ant0	5591.183	5608.799	5599.991	-1.560	Pass
802.11ac (20MHz)	5600	Ant1	5591.073	5608.924	5599.998	-0.300	Pass
802.11ac (20MHz)	5700	Ant0	5691.093	5708.880	5699.987	-2.340	Pass
802.11ac (20MHz)	5700	Ant1	5691.201	5708.810	5700.005	0.950	Pass
802.11ac (40MHz)	5510	Ant0	5491.822	5528.284	5510.053	9.530	Pass



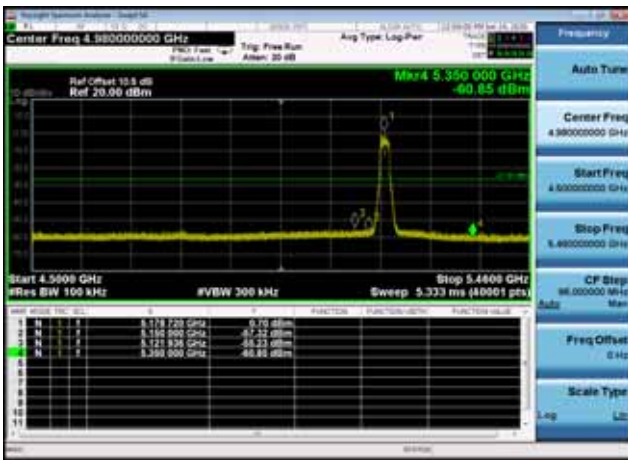
802.11ac (40MHz)	5510	Ant1	5491.825	5528.263	5510.044	7.890	Pass
802.11ac (40MHz)	5590	Ant0	5571.834	5608.240	5590.037	6.570	Pass
802.11ac (40MHz)	5590	Ant1	5571.814	5608.206	5590.010	1.740	Pass
802.11ac (40MHz)	5670	Ant0	5651.834	5688.219	5670.026	4.630	Pass
802.11ac (40MHz)	5670	Ant1	5651.829	5688.227	5670.028	4.890	Pass
802.11ac (80MHz)	5530	Ant0	5491.917	5568.313	5530.115	20.800	Pass
802.11ac (80MHz)	5530	Ant1	5491.903	5568.260	5530.082	14.770	Pass
802.11ac (80MHz)	5610	Ant0	5572.293	5648.247	5610.270	48.130	Pass
802.11ac (80MHz)	5610	Ant1	5571.893	5648.223	5610.058	10.400	Pass
802.11a (20MHz)	5500	Ant0	5491.809	5508.221	5500.015	2.730	Pass
802.11a (20MHz)	5500	Ant1	5491.743	5508.281	5500.012	2.120	Pass
802.11a (20MHz)	5600	Ant0	5591.798	5608.220	5600.009	1.640	Pass
802.11a (20MHz)	5600	Ant1	5591.774	5608.250	5600.012	2.160	Pass
802.11a (20MHz)	5700	Ant0	5691.682	5708.281	5699.981	-3.290	Pass
802.11a (20MHz)	5700	Ant1	5691.735	5708.273	5700.004	0.660	Pass

Note: The worst data reported only.

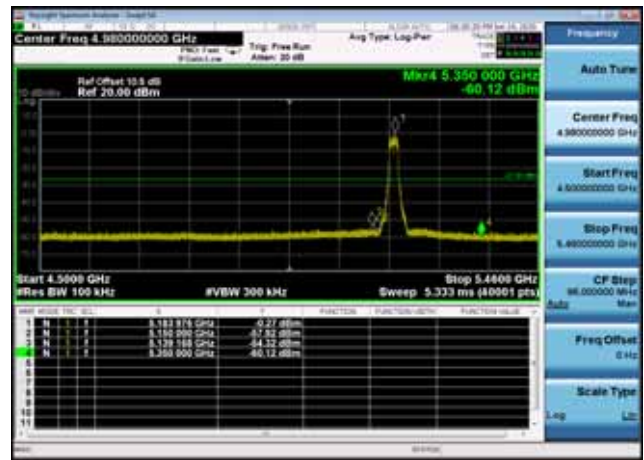


### Conducted bandedge and spurious emission

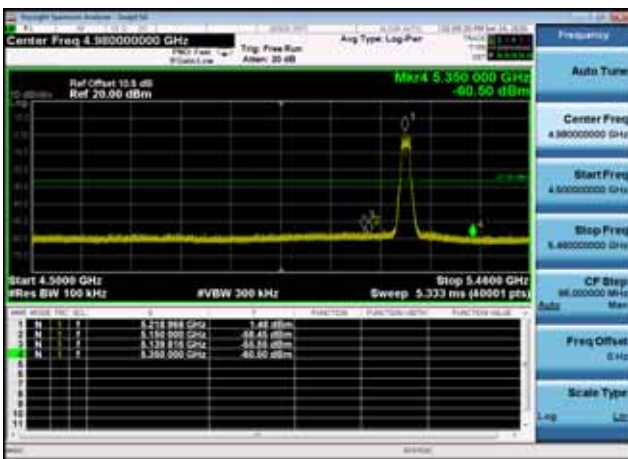
U-NII-1 ,Plot 1,Band Edge-802.11n(20M Hz),5180MHz,Ant0



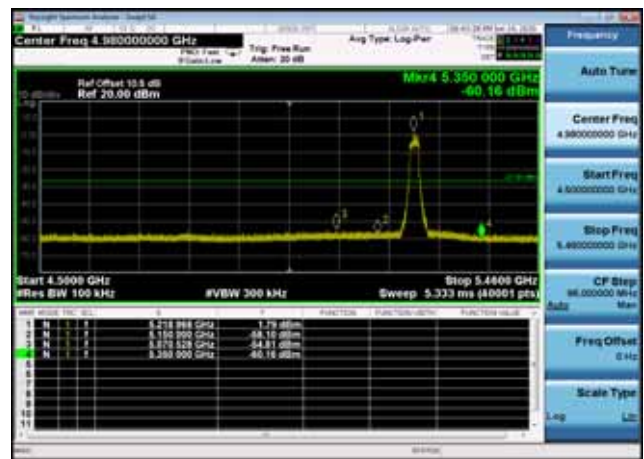
U-NII-1 ,Plot 1,Band Edge-802.11n(20M Hz),5180MHz,Ant1



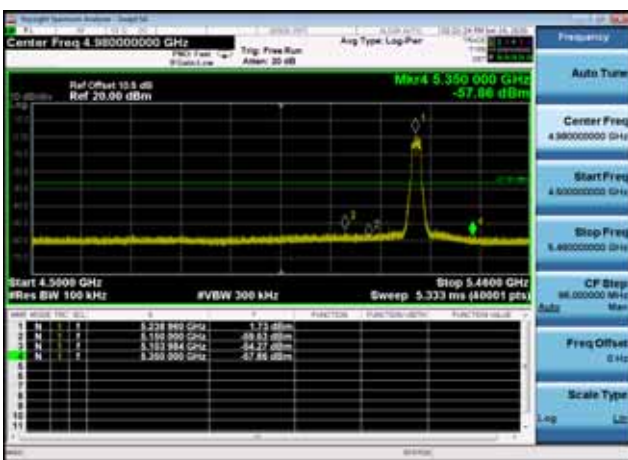
U-NII-1 ,Plot 1,Band Edge-802.11n(20M Hz),5220MHz,Ant0



U-NII-1 ,Plot 1,Band Edge-802.11n(20M Hz),5220MHz,Ant1



U-NII-1 ,Plot 1,Band Edge-802.11n(20M Hz),5240MHz,Ant0



U-NII-1 ,Plot 1,Band Edge-802.11n(20M Hz),5240MHz,Ant1

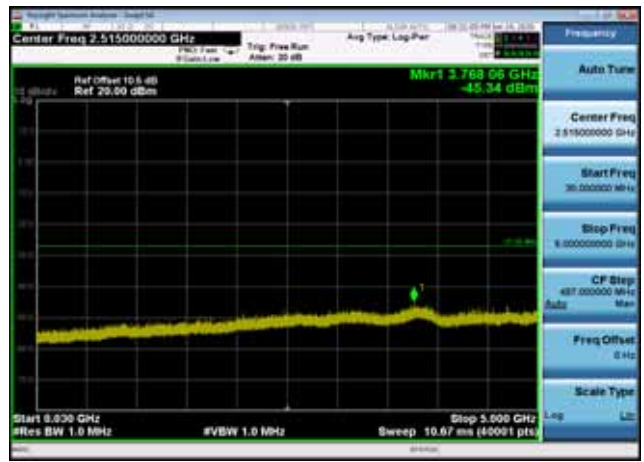




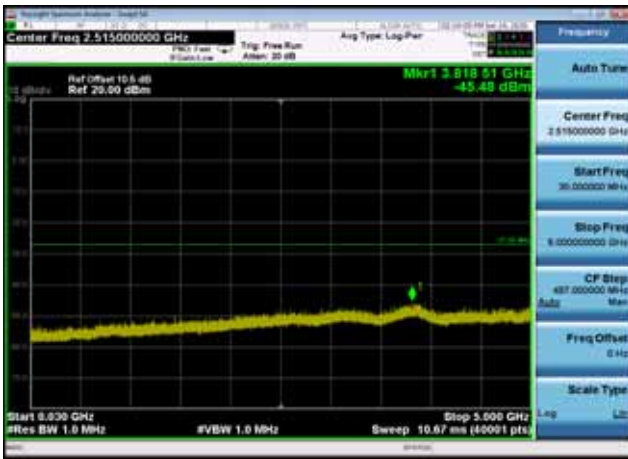
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(20MHz),5180MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(20MHz),5180MHz,Ant1



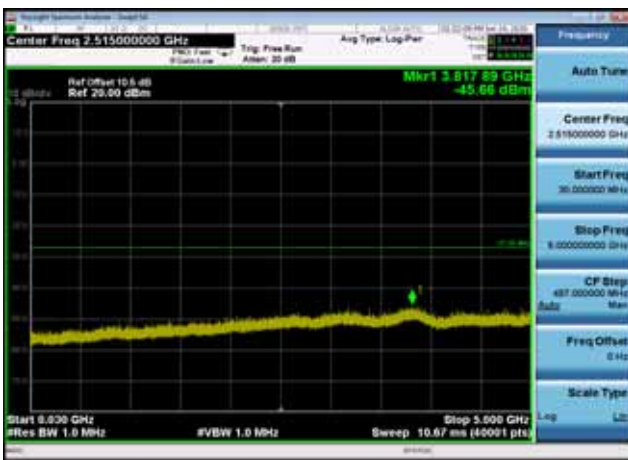
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(20MHz),5220MHz,Ant0



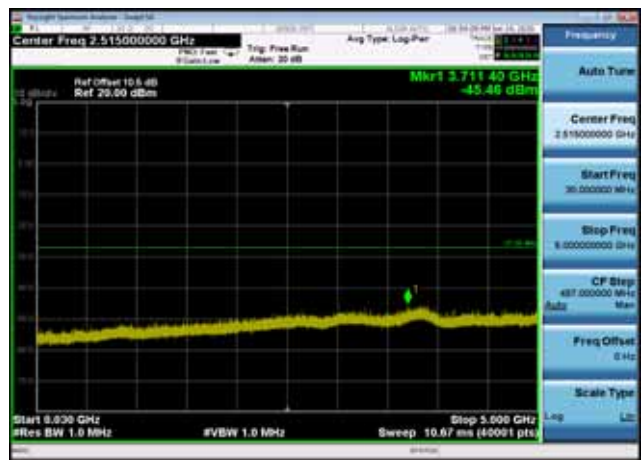
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(20MHz),5220MHz,Ant1



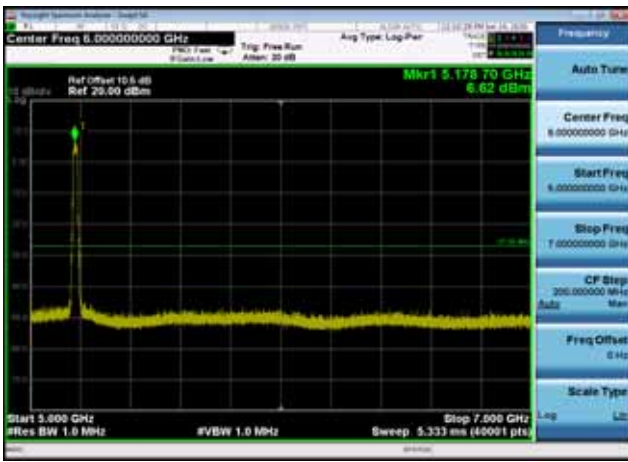
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(20MHz),5240MHz,Ant0



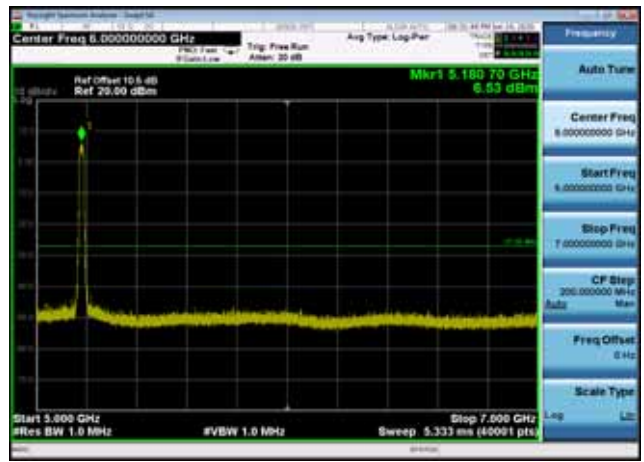
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(20MHz),5240MHz,Ant1



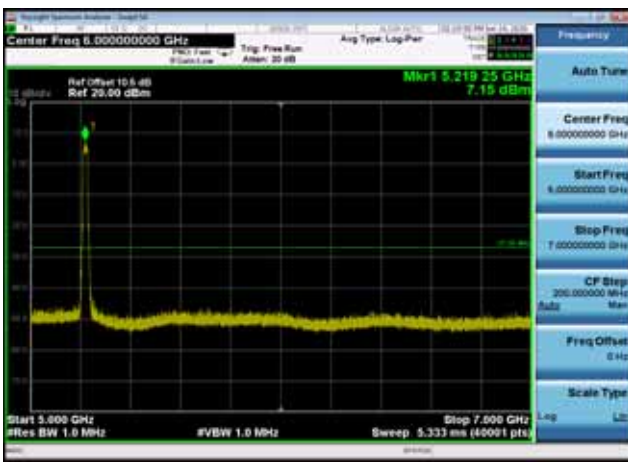
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(20MHz),5180MHz,Ant0



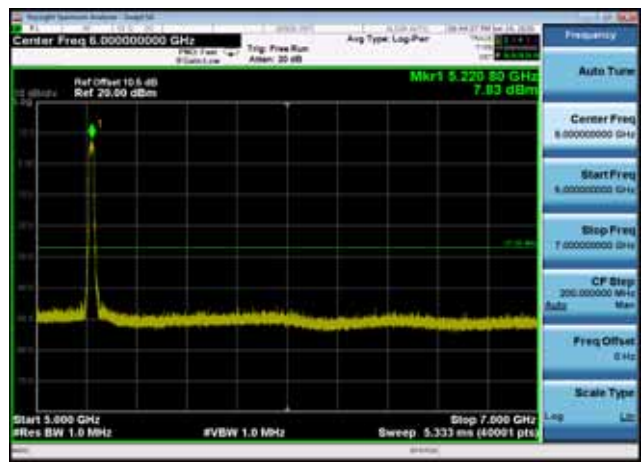
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(20MHz),5180MHz,Ant1



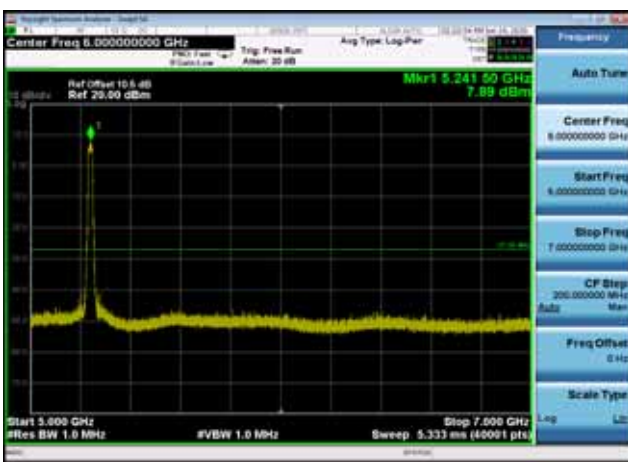
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(20MHz),5220MHz,Ant0



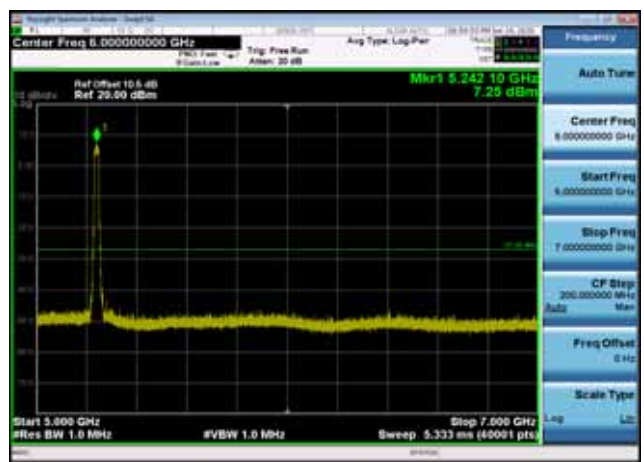
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(20MHz),5220MHz,Ant1



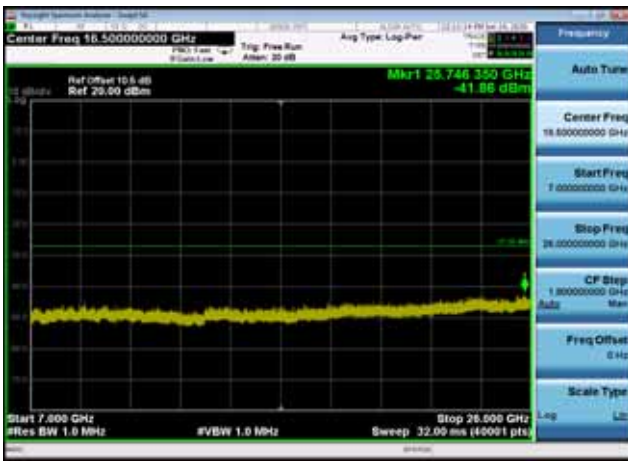
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(20MHz),5240MHz,Ant0



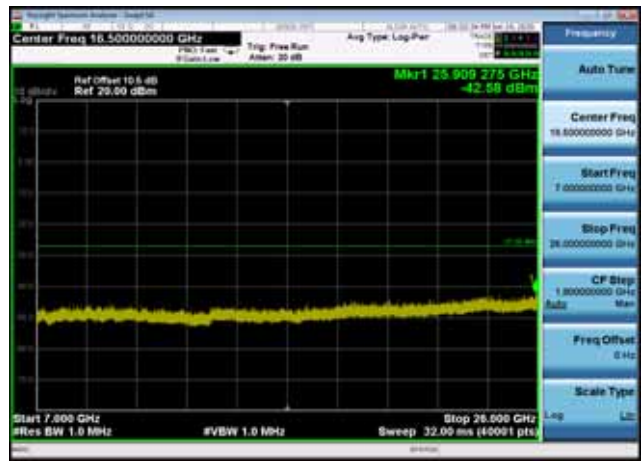
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(20MHz),5240MHz,Ant1



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(20MHz),5180MHz,Ant0



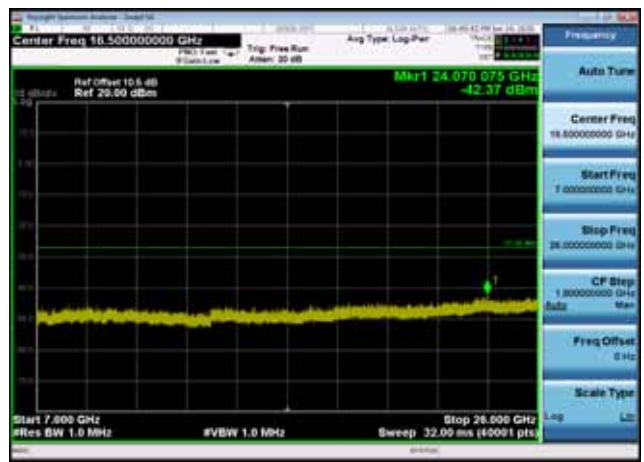
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(20MHz),5180MHz,Ant1



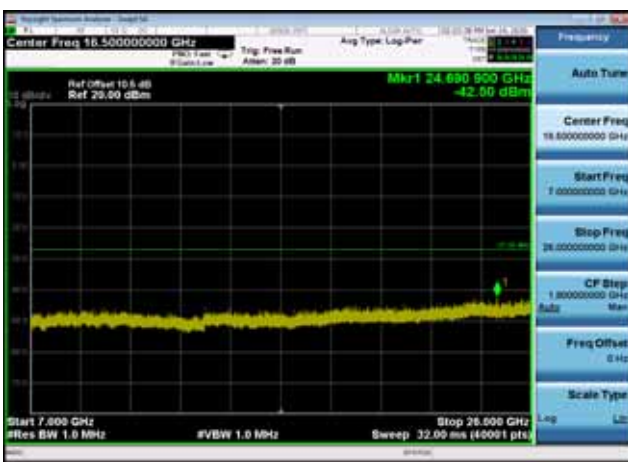
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(20MHz),5220MHz,Ant0



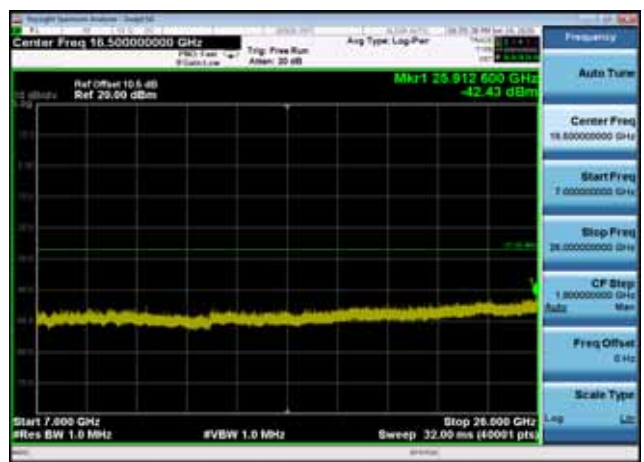
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(20MHz),5220MHz,Ant1



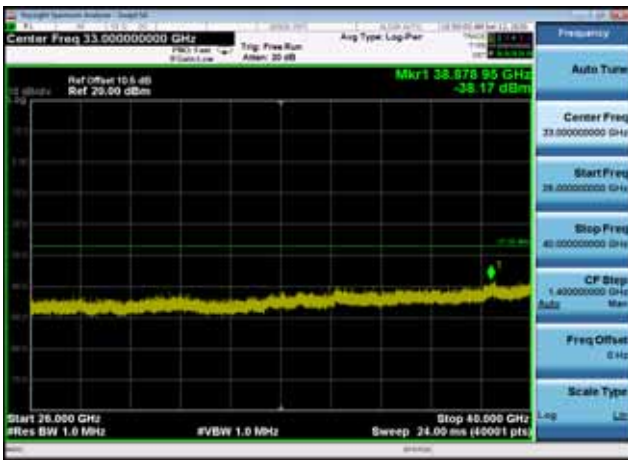
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(20MHz),5240MHz,Ant0



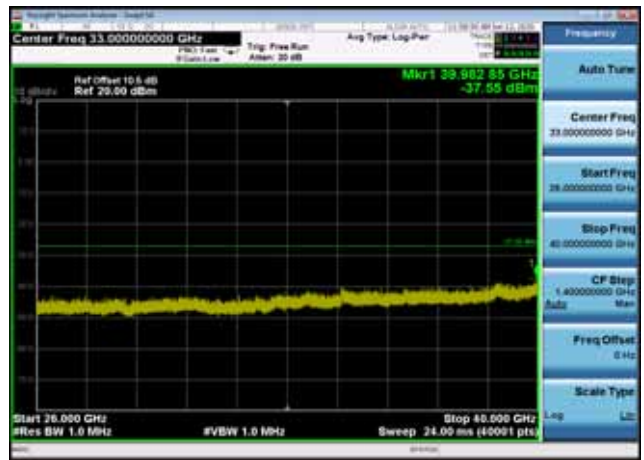
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(20MHz),5240MHz,Ant1



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(20MHz),5180MHz,Ant0



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(20MHz),5180MHz,Ant1



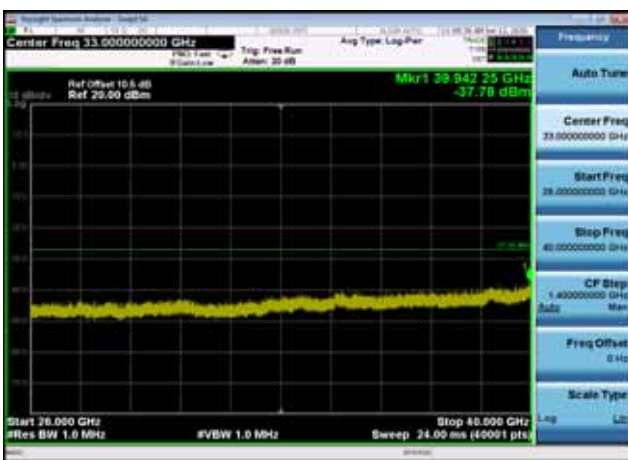
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(20MHz),5220MHz,Ant0



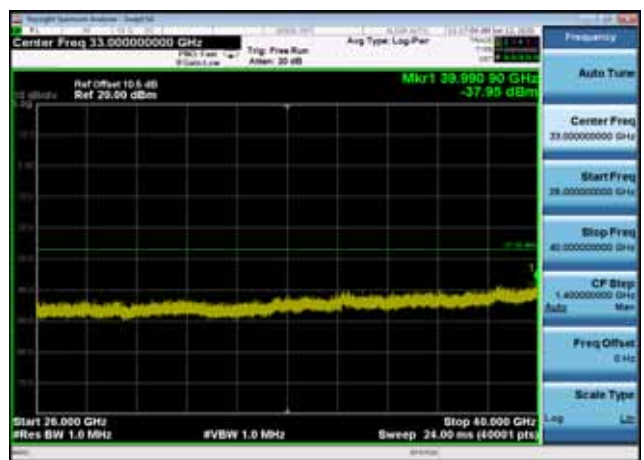
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(20MHz),5220MHz,Ant1



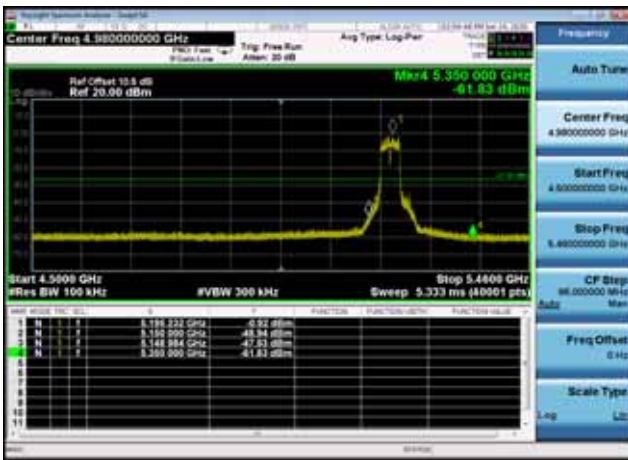
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(20MHz),5240MHz,Ant0



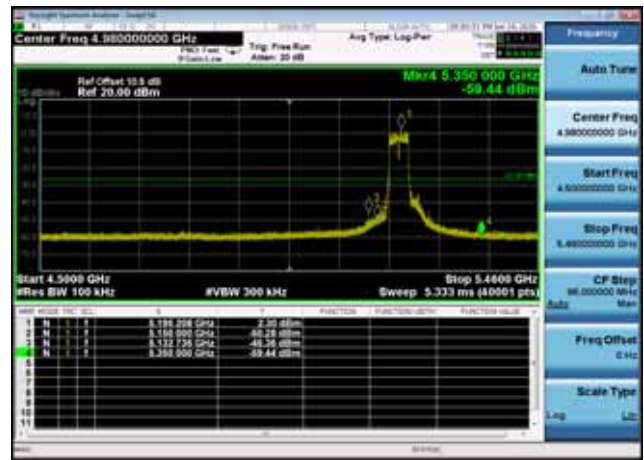
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(20MHz),5240MHz,Ant1



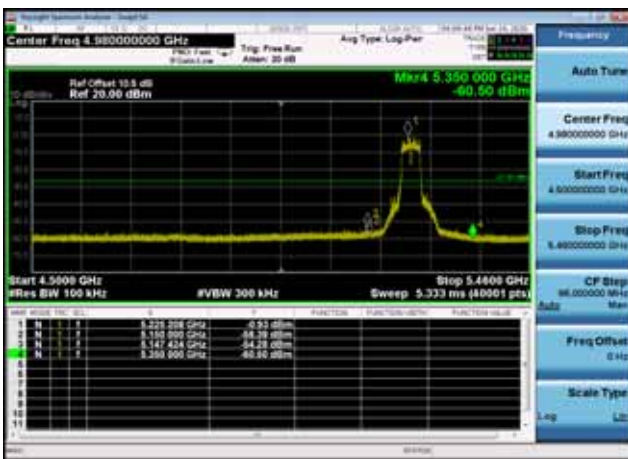
U-NII-1 ,Plot 1,Band Edge-802.11n(40M Hz),5190MHz,Ant0



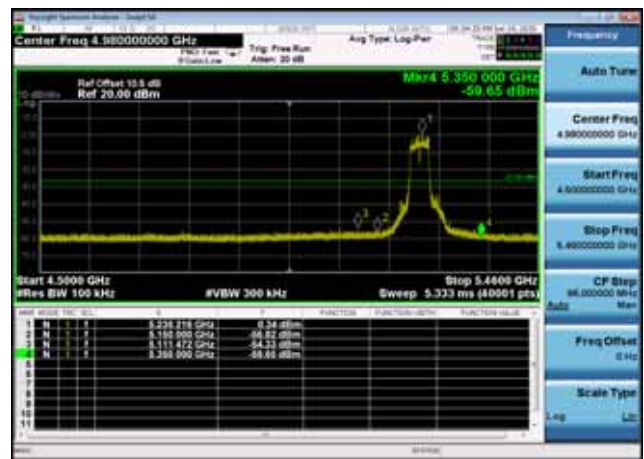
U-NII-1 ,Plot 1,Band Edge-802.11n(40M Hz),5190MHz,Ant1



U-NII-1 ,Plot 1,Band Edge-802.11n(40M Hz),5230MHz,Ant0



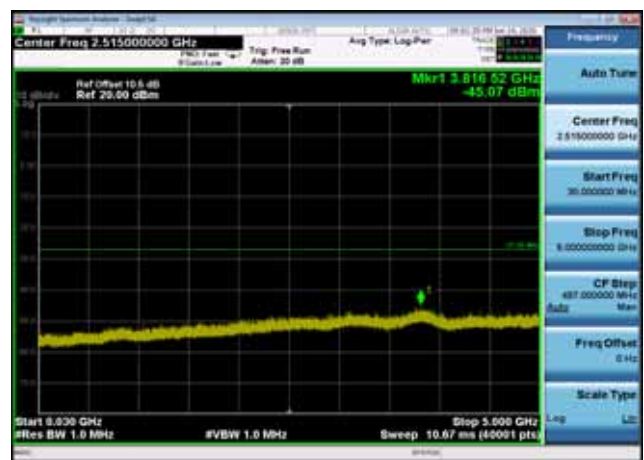
U-NII-1 ,Plot 1,Band Edge-802.11n(40M Hz),5230MHz,Ant1



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n (40MHz),5190MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n (40MHz),5190MHz,Ant1



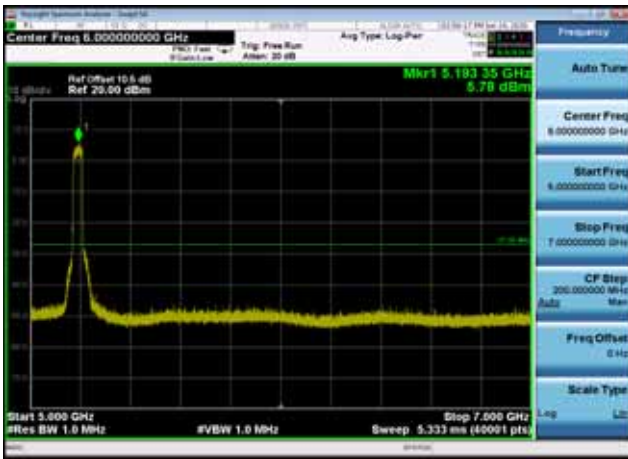
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(40MHz),5230MHz,Ant0



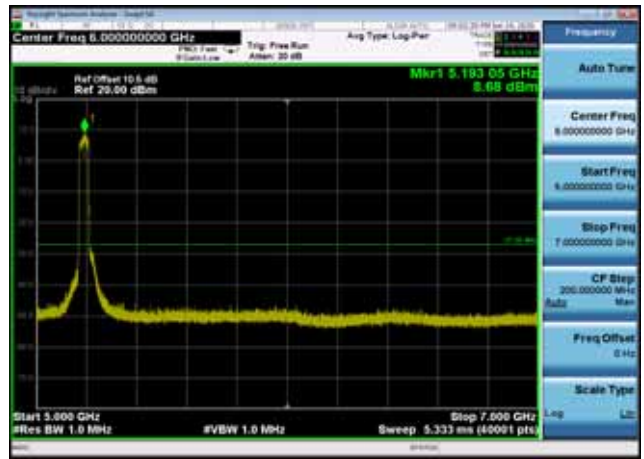
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11n  
(40MHz),5230MHz,Ant1



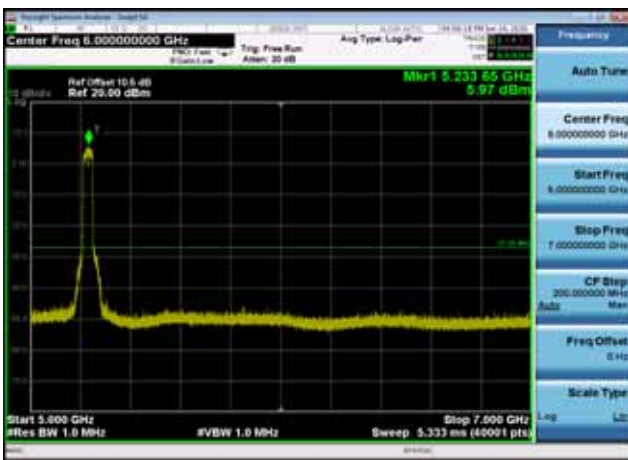
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(40MHz),5190MHz,Ant0



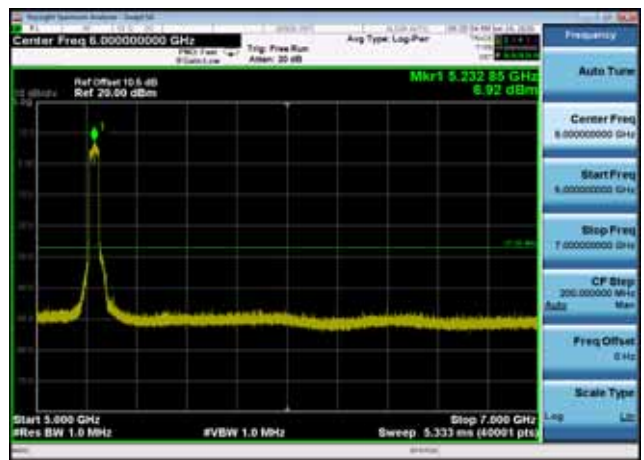
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(40MHz),5190MHz,Ant1



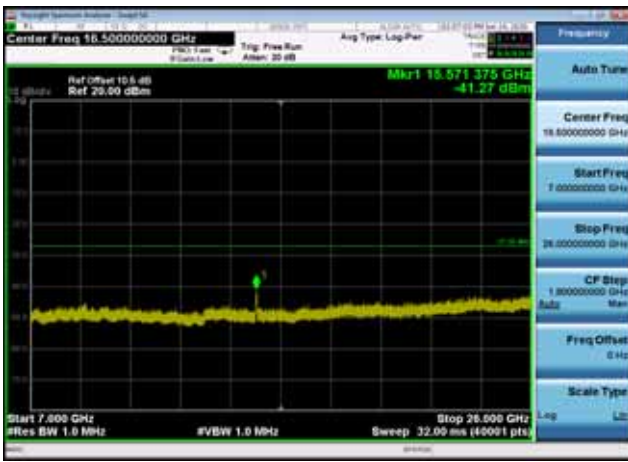
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(40MHz),5230MHz,Ant0



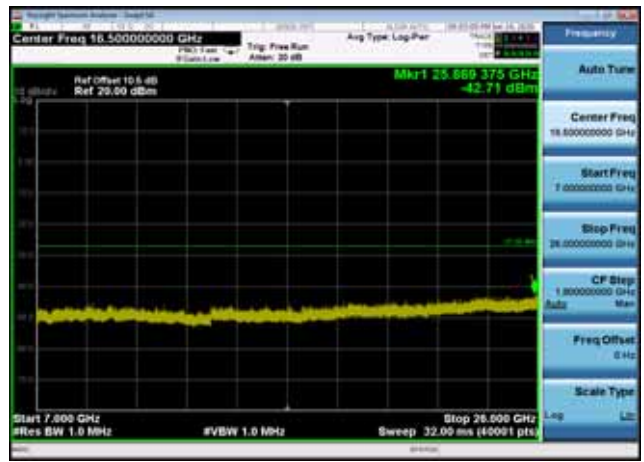
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1n(40MHz),5230MHz,Ant1



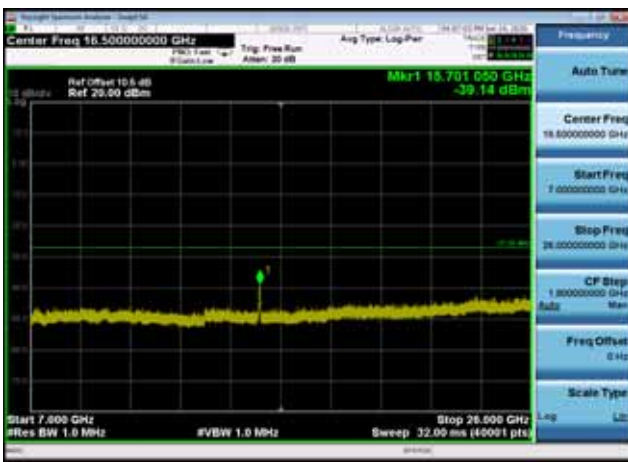
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(40MHz),5190MHz,Ant0



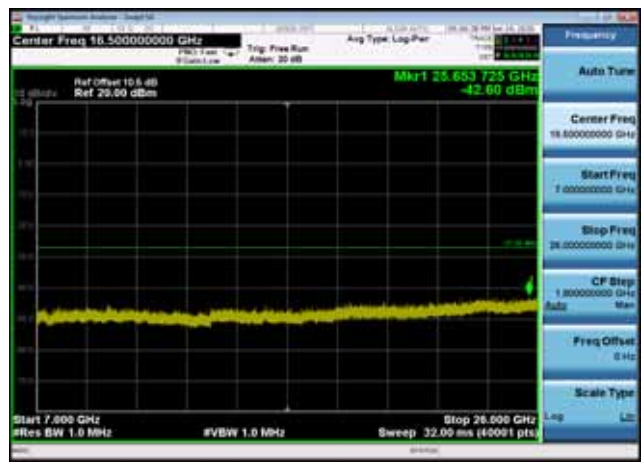
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(40MHz),5190MHz,Ant1



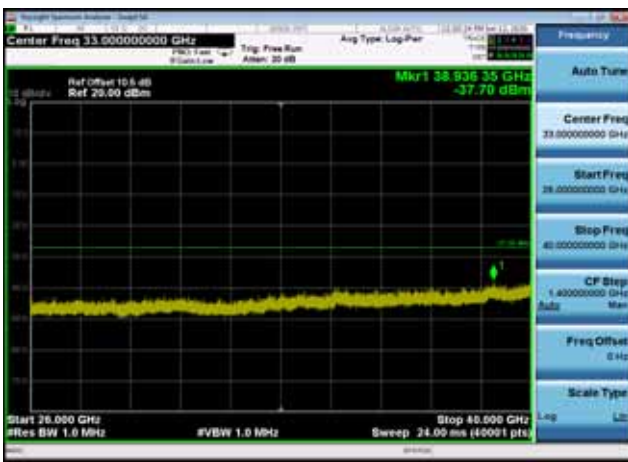
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(40MHz),5230MHz,Ant0



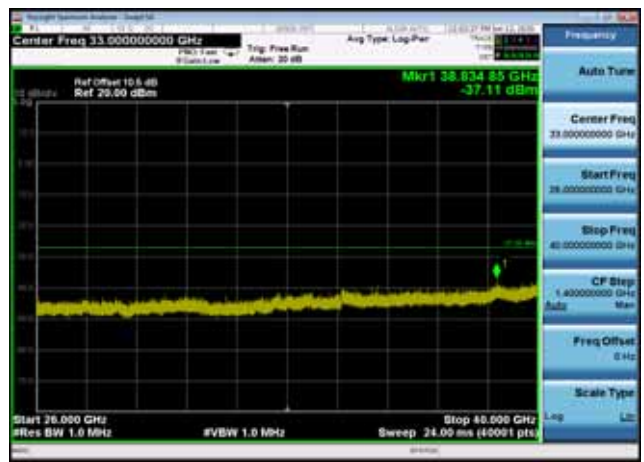
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11n(40MHz),5230MHz,Ant1



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(40MHz),5190MHz,Ant0



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(40MHz),5190MHz,Ant1

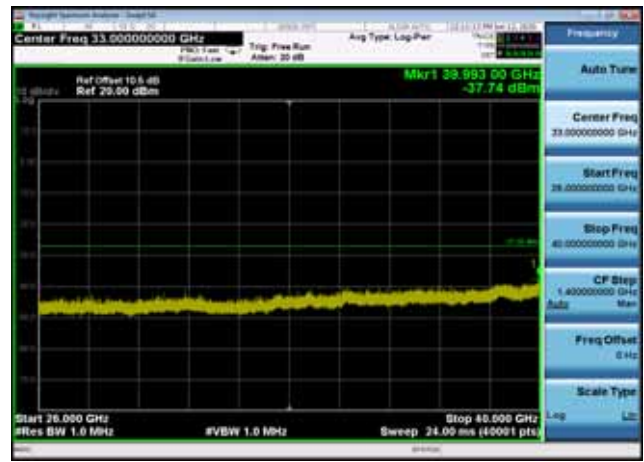




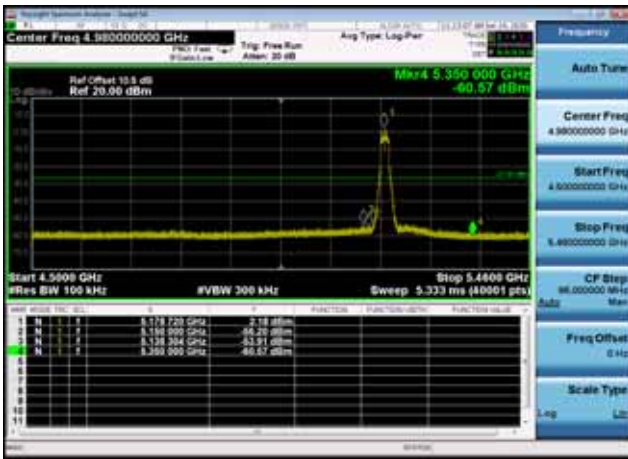
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(40MHz),5230MHz,Ant0



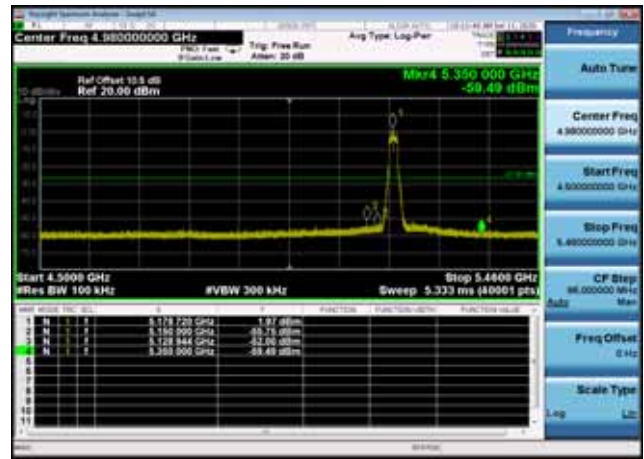
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11n(40MHz),5230MHz,Ant1



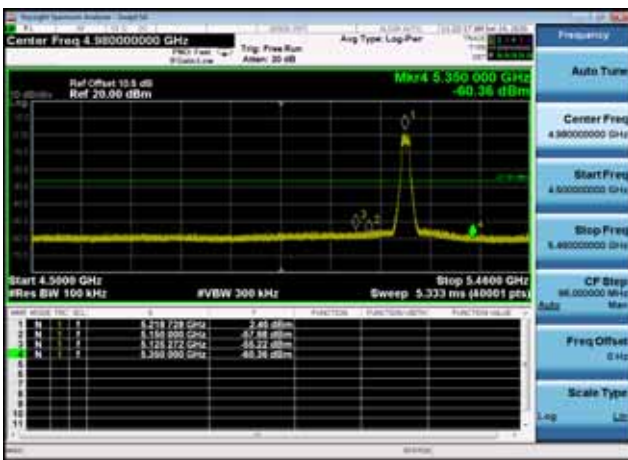
U-NII-1 ,Plot 1,Band Edge-802.11a(20M  
Hz),5180MHz,Ant0



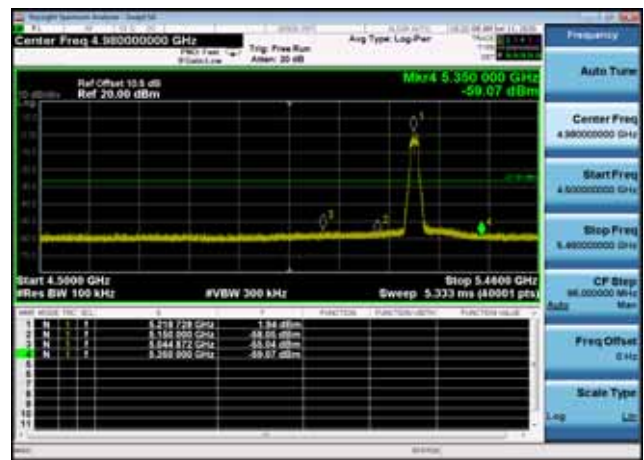
U-NII-1 ,Plot 1,Band Edge-802.11a(20M  
Hz),5180MHz,Ant1



U-NII-1 ,Plot 1,Band Edge-802.11a(20M  
Hz),5220MHz,Ant0



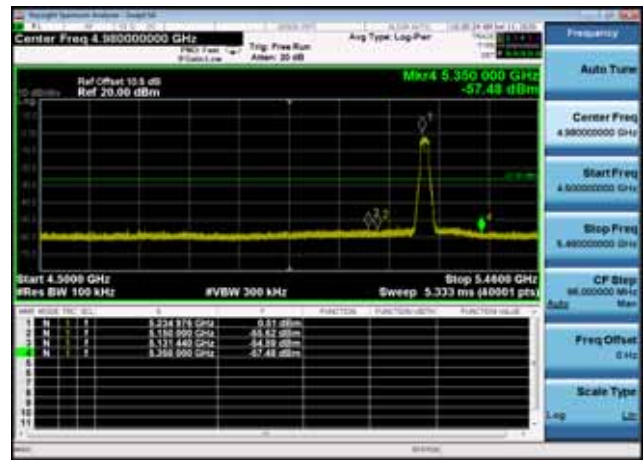
U-NII-1 ,Plot 1,Band Edge-802.11a(20M  
Hz),5220MHz,Ant1



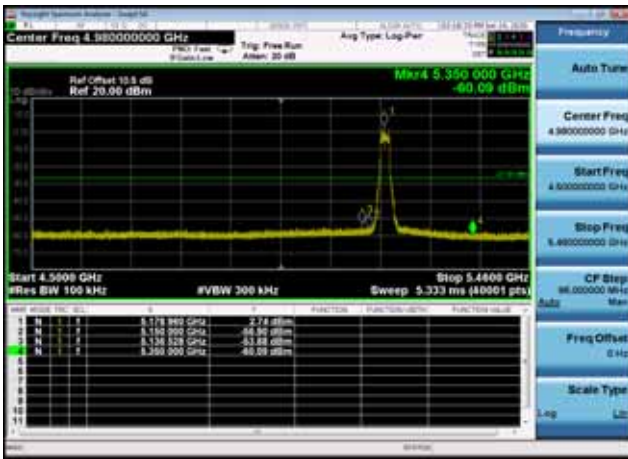
U-NII-1 ,Plot 1,Band Edge-802.11a(20 Hz),5240MHz,Ant0



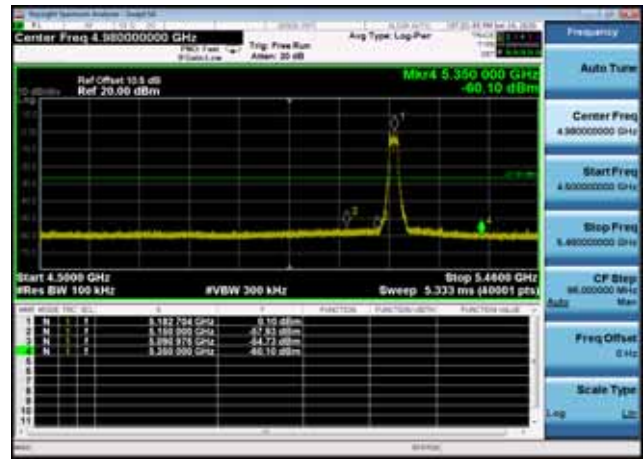
U-NII-1 ,Plot 1,Band Edge-802.11a(20 Hz),5240MHz,Ant1



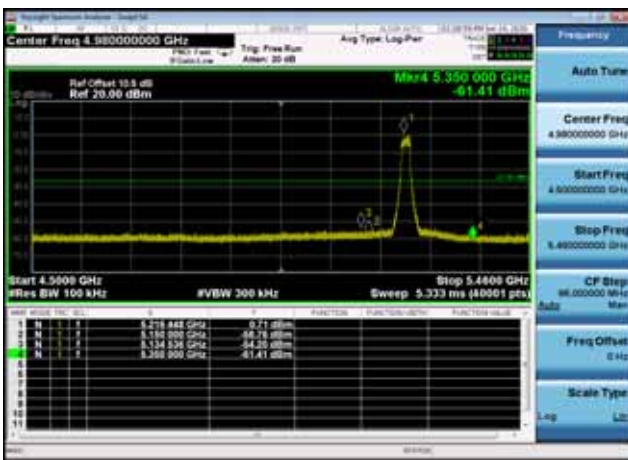
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5180MHz,Ant0



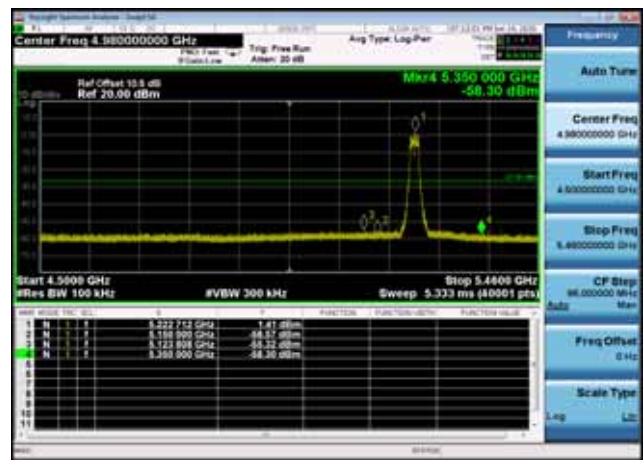
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5180MHz,Ant1



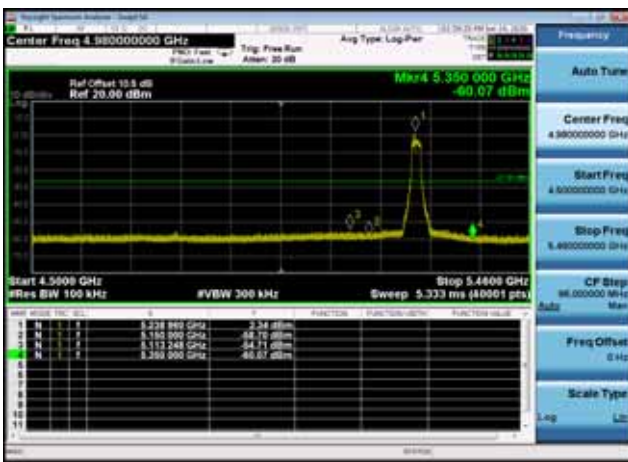
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5220MHz,Ant0



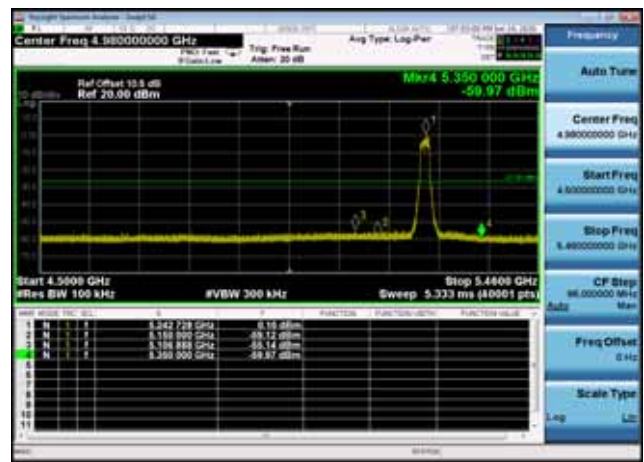
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5220MHz,Ant1



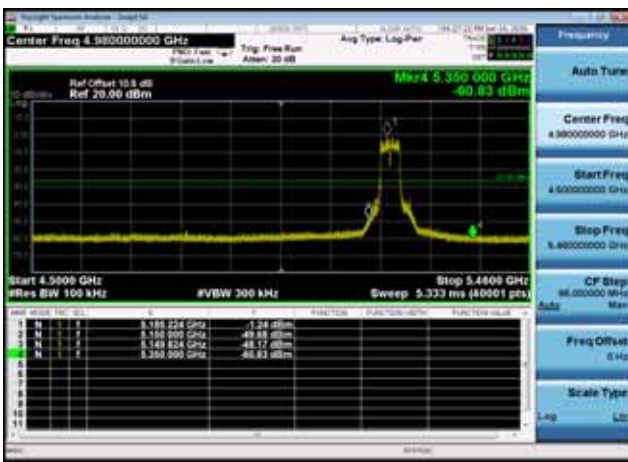
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5240MHz,Ant0



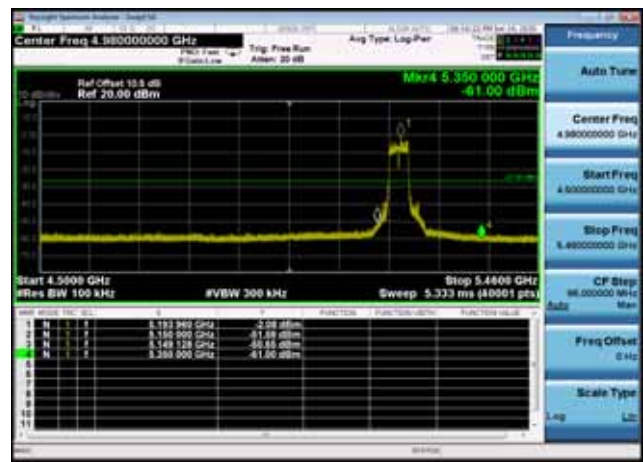
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5240MHz,Ant1



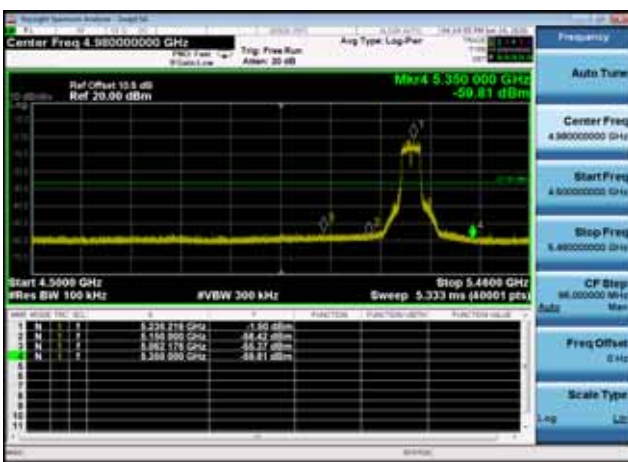
U-NII-1 ,Plot 1,Band Edge-802.11ac(40 MHz),5190MHz,Ant0



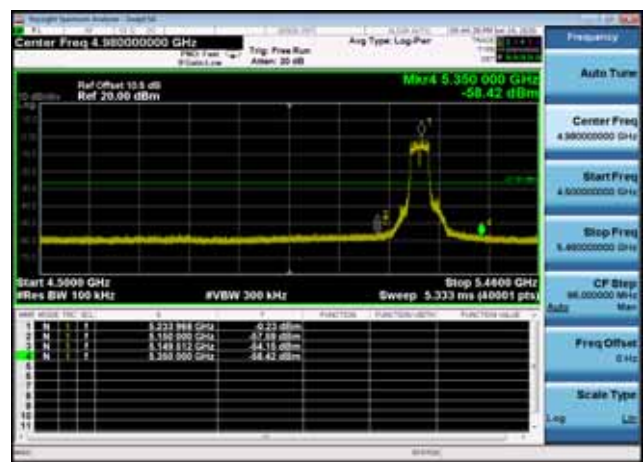
U-NII-1 ,Plot 1,Band Edge-802.11ac(40 MHz),5190MHz,Ant1



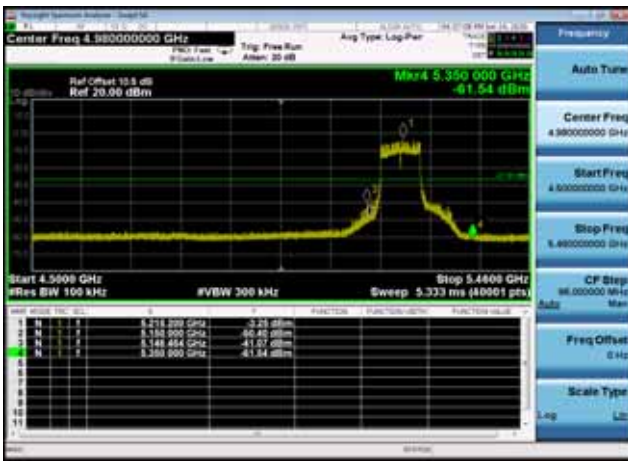
U-NII-1 ,Plot 1,Band Edge-802.11ac(40 MHz),5230MHz,Ant0



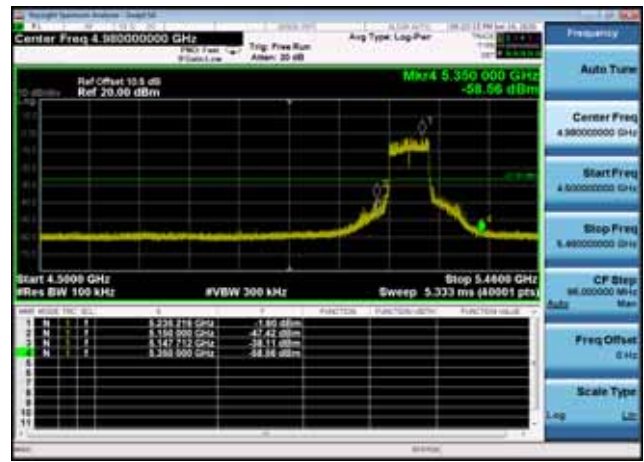
U-NII-1 ,Plot 1,Band Edge-802.11ac(40 MHz),5230MHz,Ant1



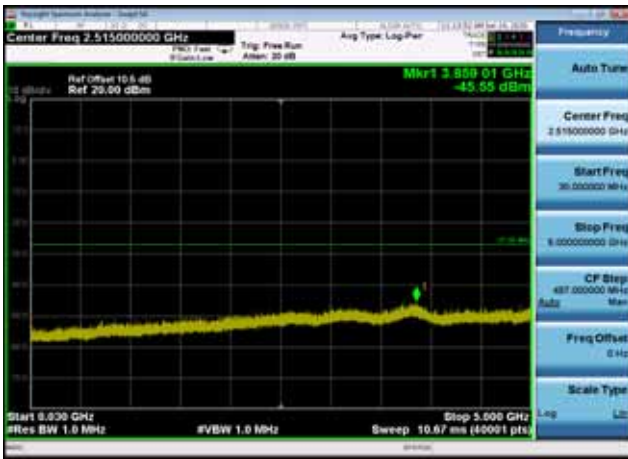
U-NII-1 ,Plot 1,Band Edge-802.11ac(80 MHz),5210MHz,Ant0



U-NII-1 ,Plot 1,Band Edge-802.11ac(80 MHz),5210MHz,Ant1



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a (20MHz),5180MHz,Ant0



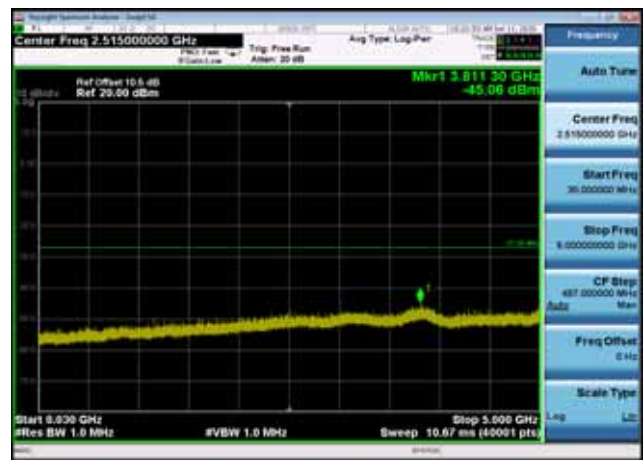
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a (20MHz),5180MHz,Ant1



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a (20MHz),5220MHz,Ant0



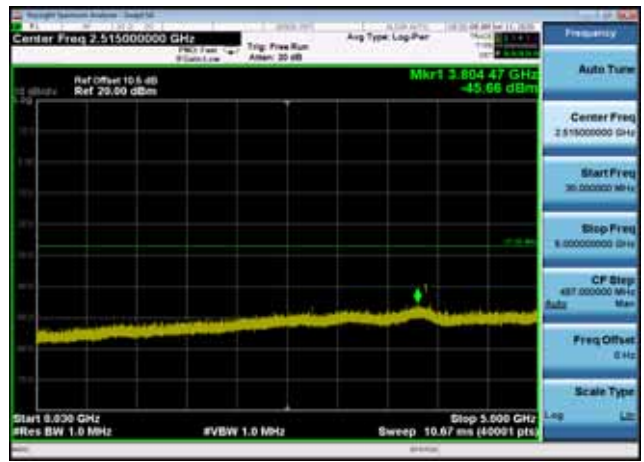
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a (20MHz),5220MHz,Ant1



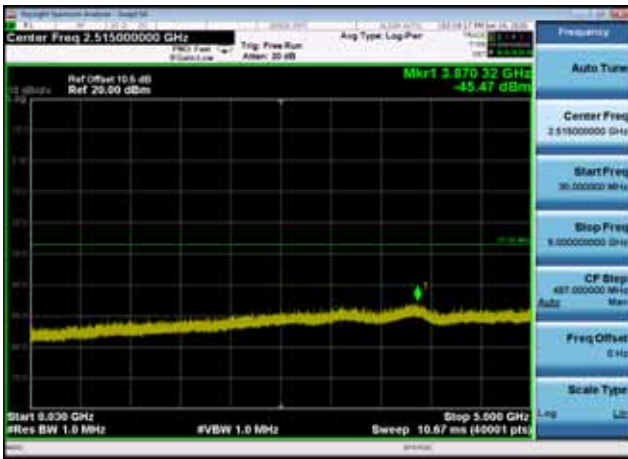
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
(20MHz),5240MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
(20MHz),5240MHz,Ant1



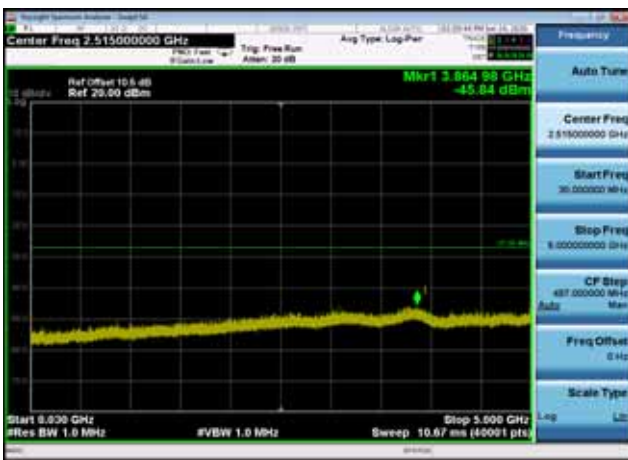
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(20MHz),5180MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(20MHz),5180MHz,Ant1



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(20MHz),5220MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(20MHz),5220MHz,Ant1



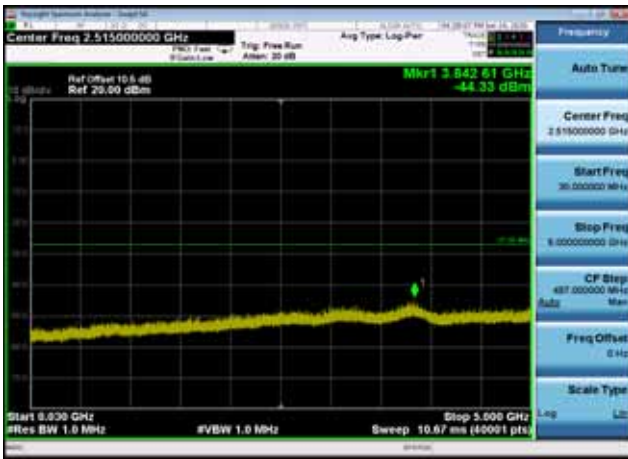
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(20MHz),5240MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(20MHz),5240MHz,Ant1



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(40MHz),5190MHz,Ant0



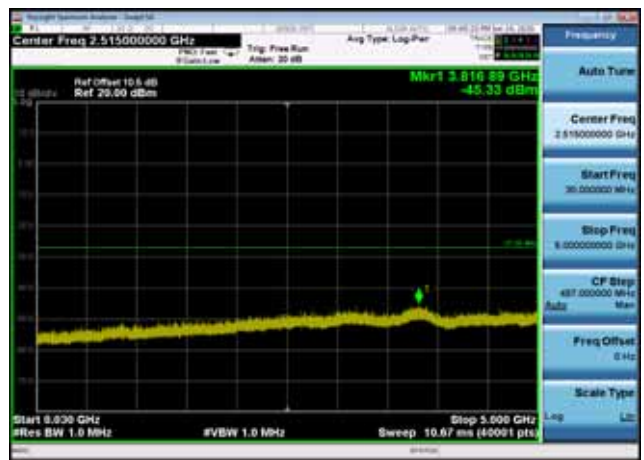
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(40MHz),5190MHz,Ant1



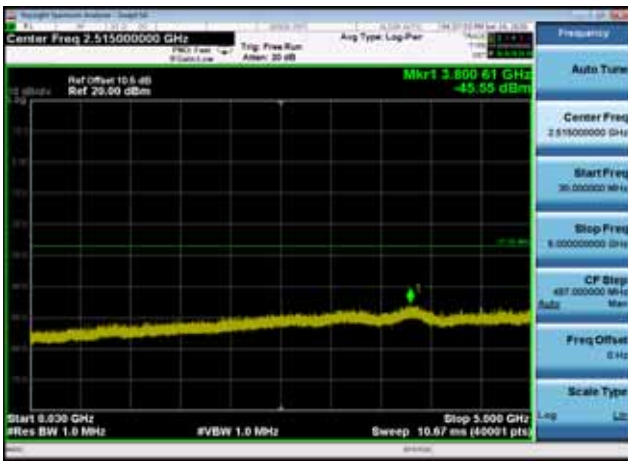
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(40MHz),5230MHz,Ant0



U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(40MHz),5230MHz,Ant1



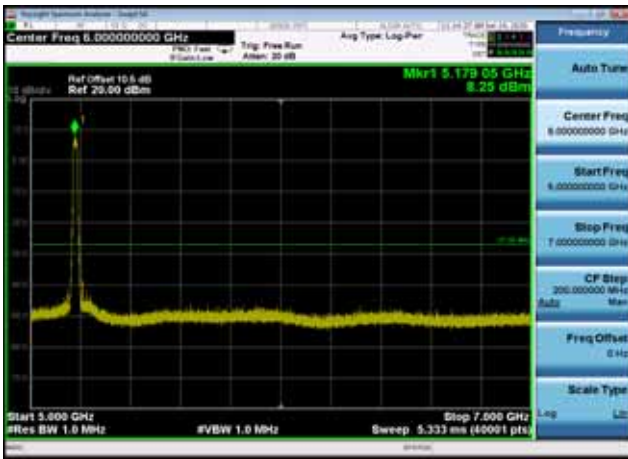
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(80MHz),5210MHz,Ant0



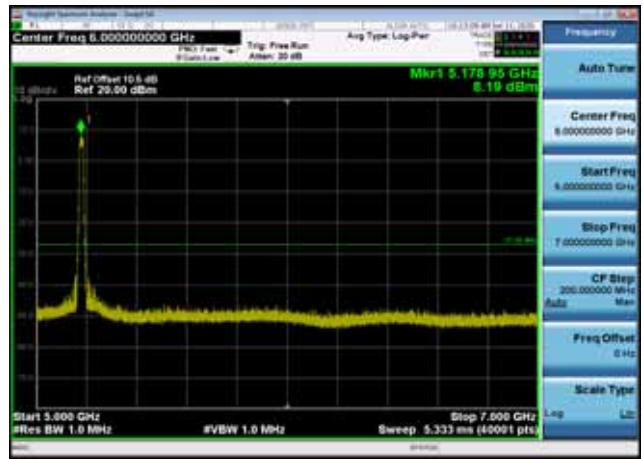
U-NII-1 ,Plot 2,30MHz~5000MHz-802.11a  
c(80MHz),5210MHz,Ant1



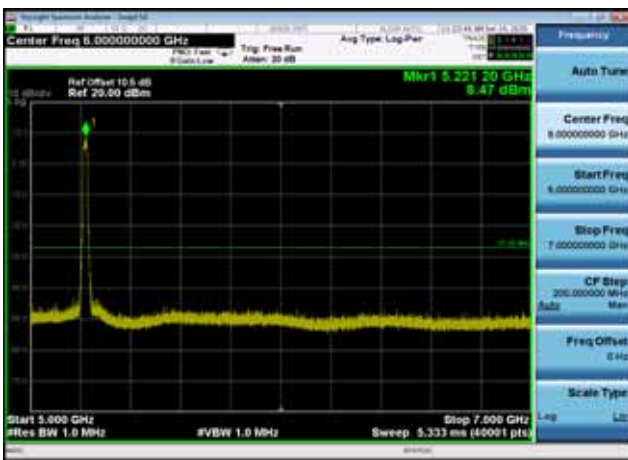
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1a(20MHz),5180MHz,Ant0



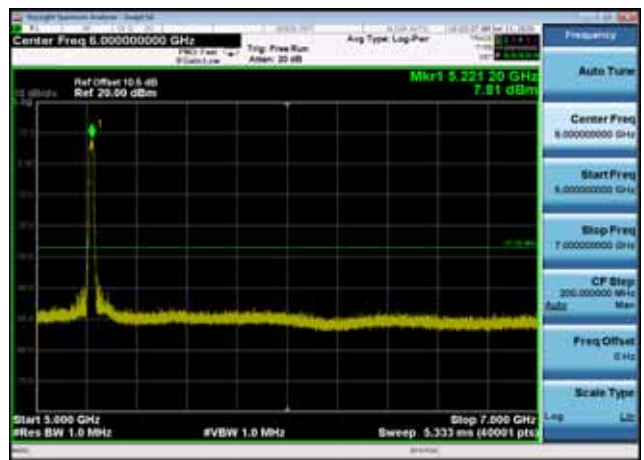
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1a(20MHz),5180MHz,Ant1



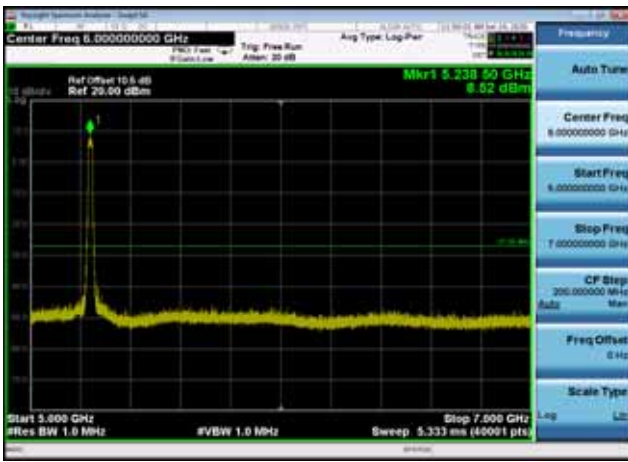
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1a(20MHz),5220MHz,Ant0



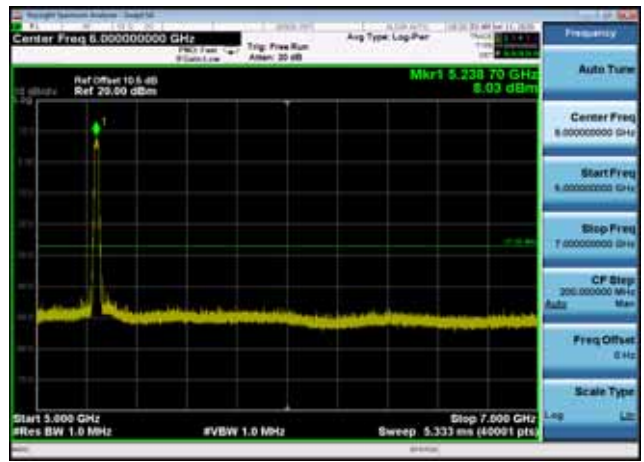
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1a(20MHz),5220MHz,Ant1



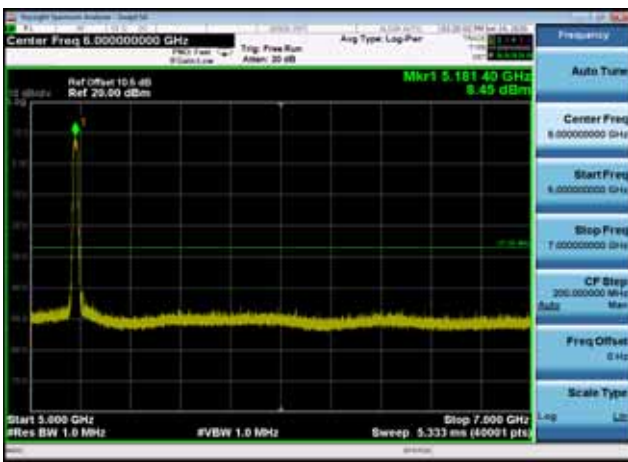
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1a(20MHz),5240MHz,Ant0



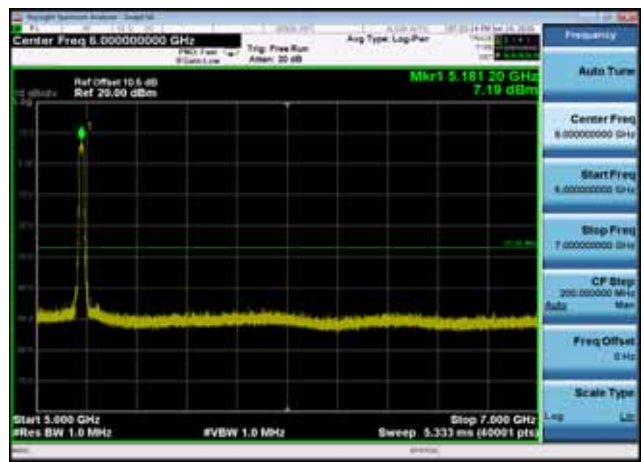
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1a(20MHz),5240MHz,Ant1



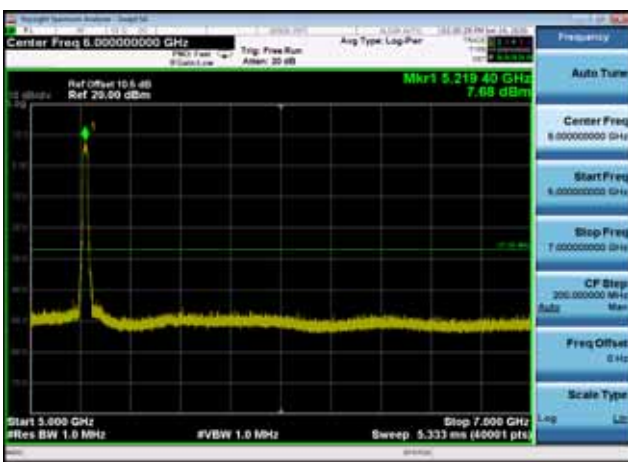
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(20MHz),5180MHz,Ant0



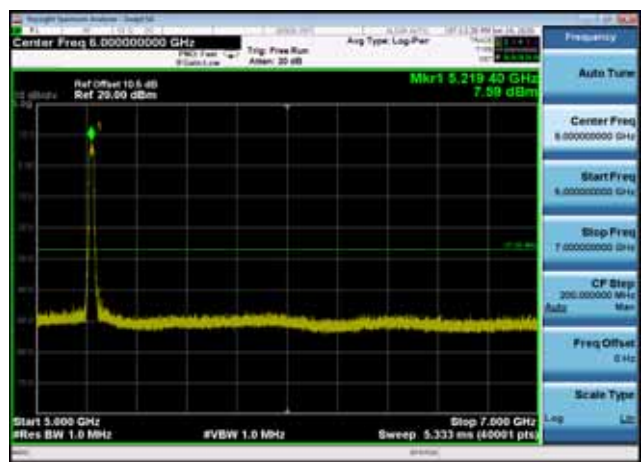
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(20MHz),5180MHz,Ant1



U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(20MHz),5220MHz,Ant0

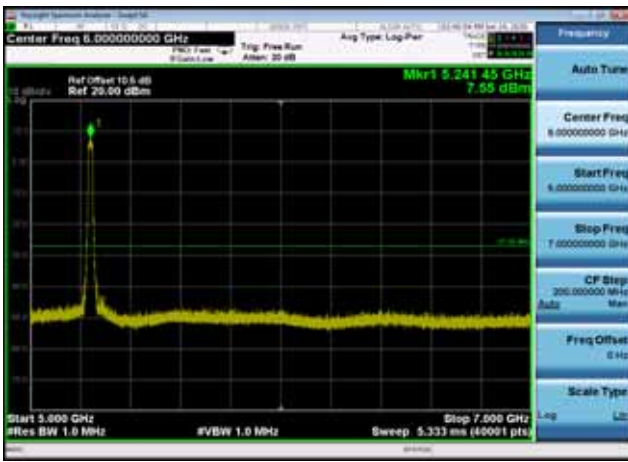


U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(20MHz),5220MHz,Ant1

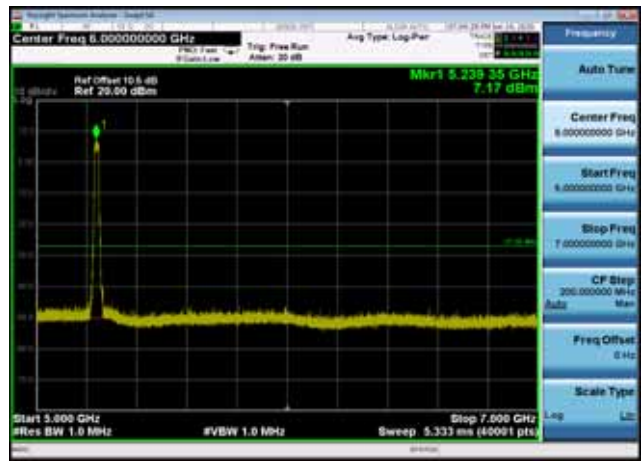




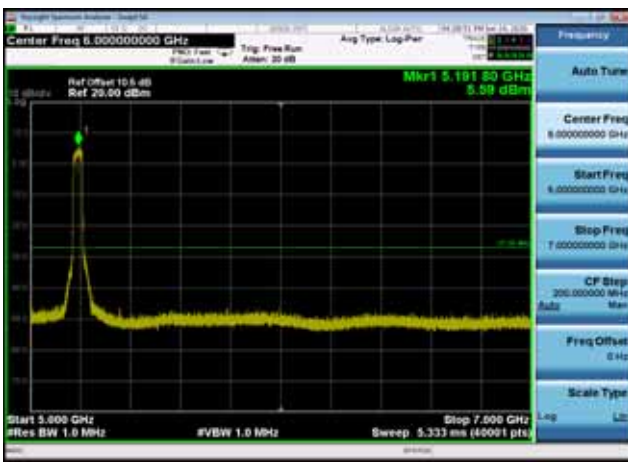
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(20MHz),5240MHz,Ant0



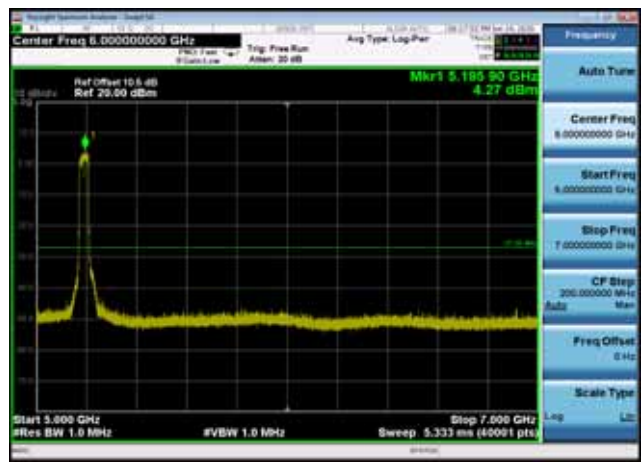
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(20MHz),5240MHz,Ant1



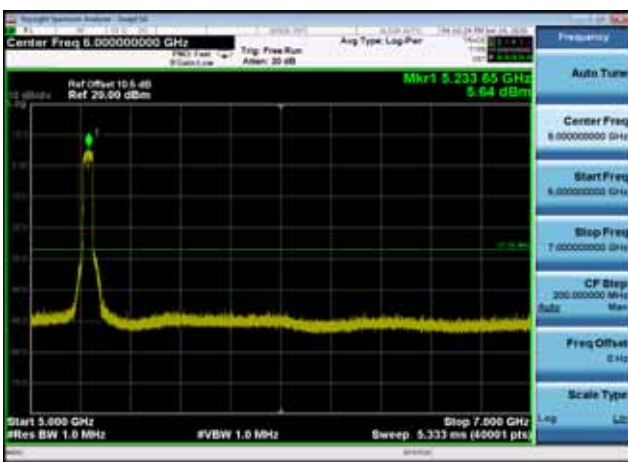
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(40MHz),5190MHz,Ant0



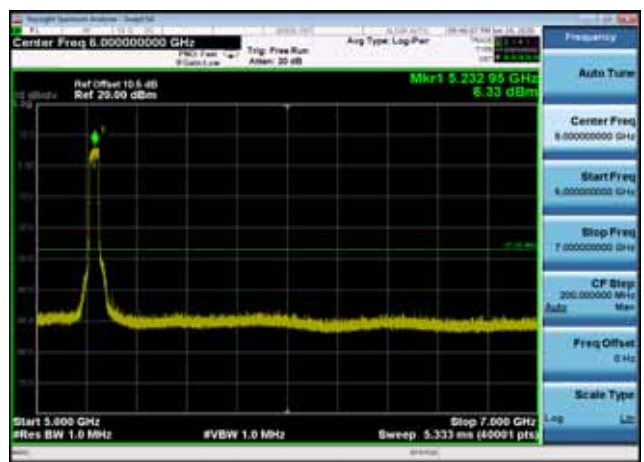
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(40MHz),5190MHz,Ant1



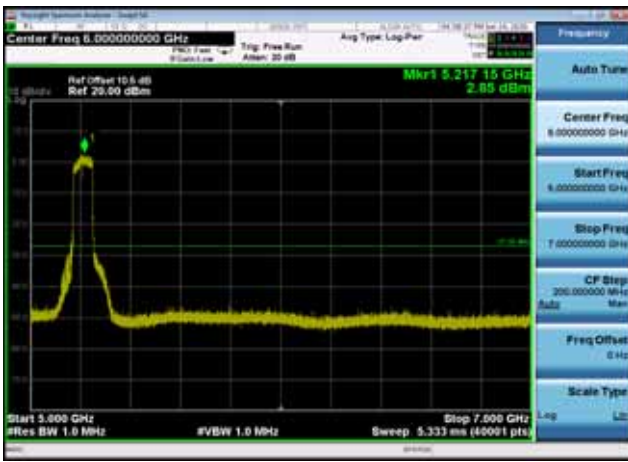
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(40MHz),5230MHz,Ant0



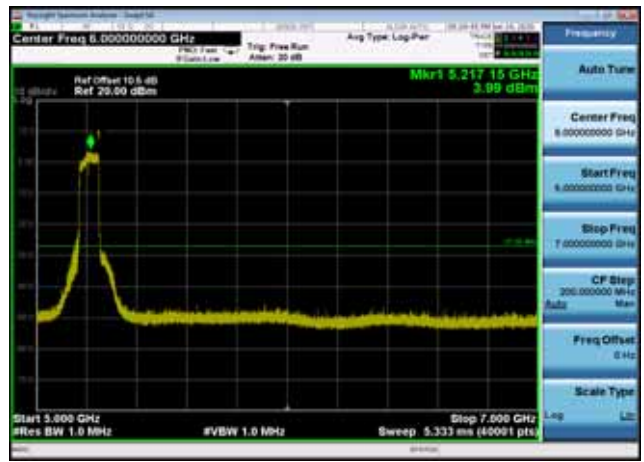
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(40MHz),5230MHz,Ant1



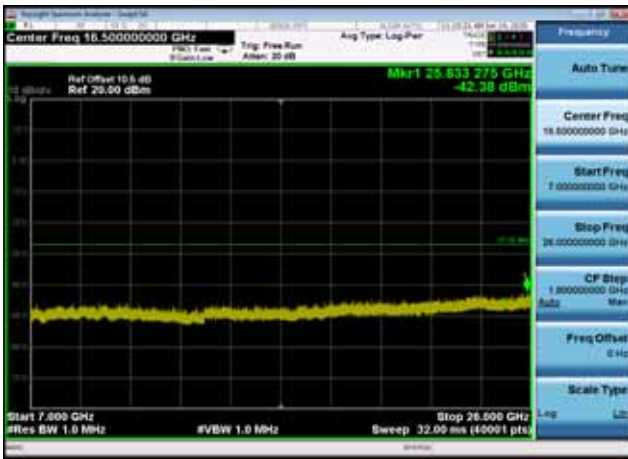
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(80MHz),5210MHz,Ant0



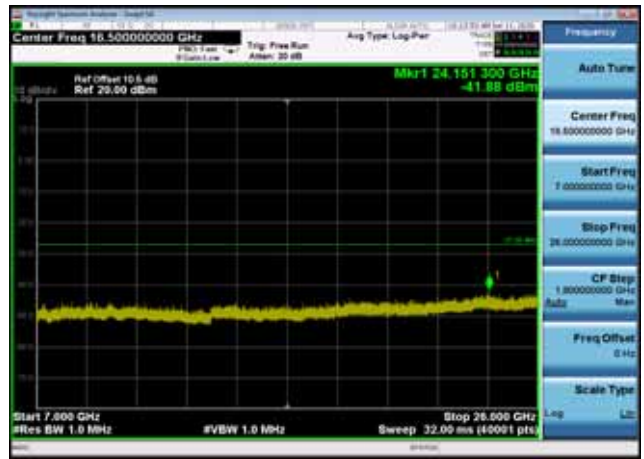
U-NII-1 ,Plot 3,5000MHz~7000MHz-802.1  
1ac(80MHz),5210MHz,Ant1



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11a(20MHz),5180MHz,Ant0



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11a(20MHz),5180MHz,Ant1



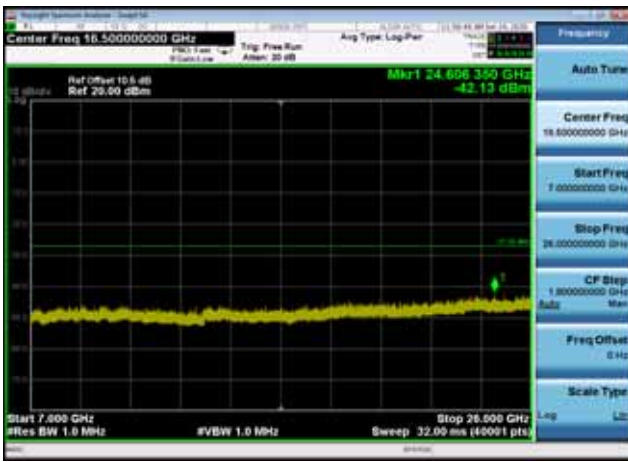
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11a(20MHz),5220MHz,Ant0



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11a(20MHz),5220MHz,Ant1



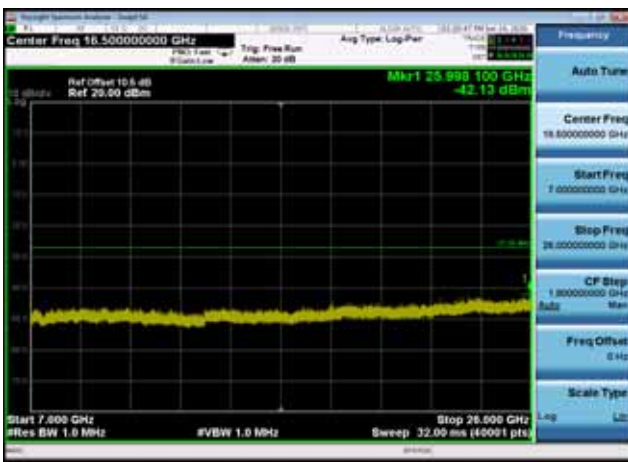
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11a(20MHz),5240MHz,Ant0



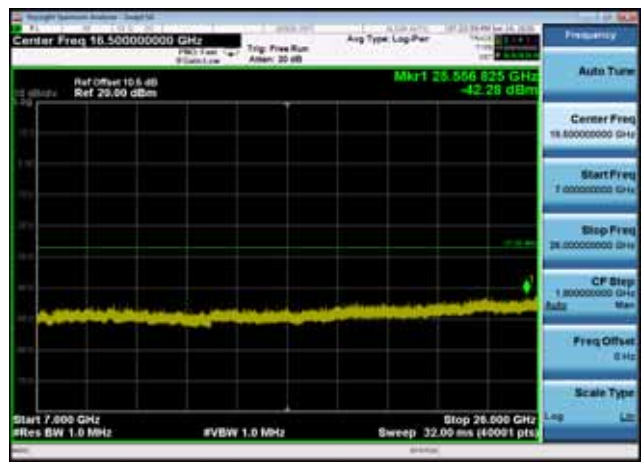
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11a(20MHz),5240MHz,Ant1



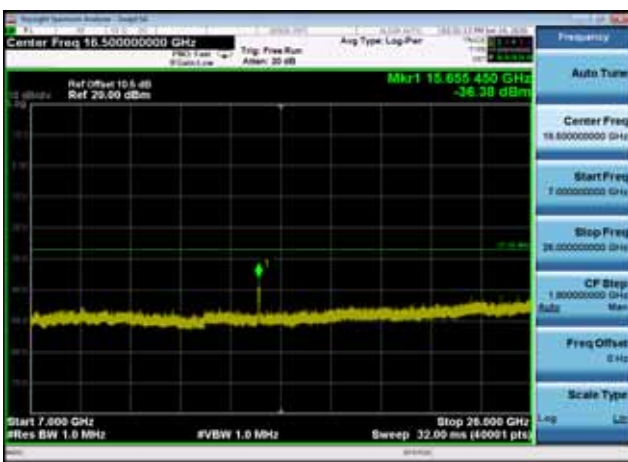
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(20MHz),5180MHz,Ant0



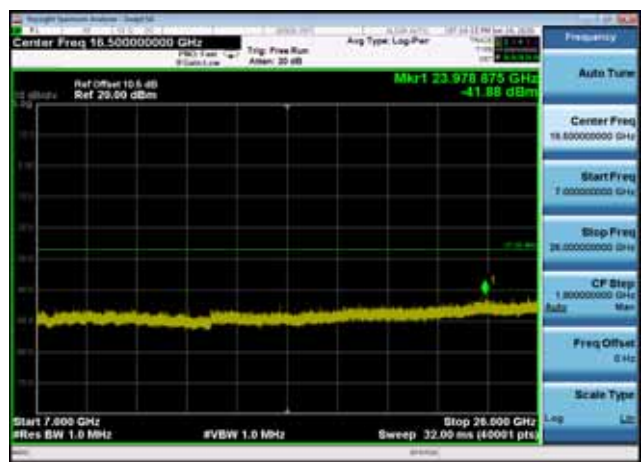
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(20MHz),5180MHz,Ant1



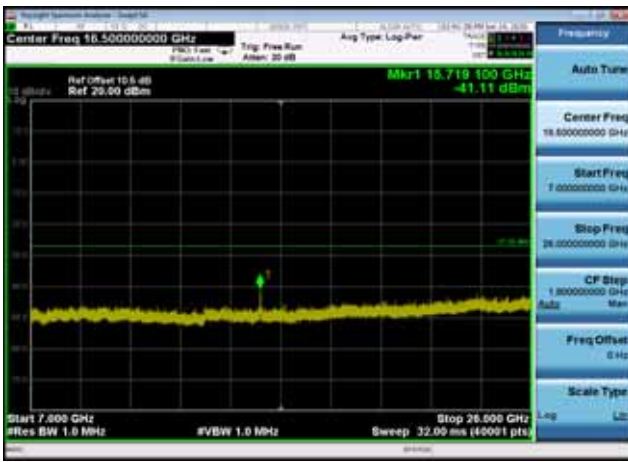
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(20MHz),5220MHz,Ant0



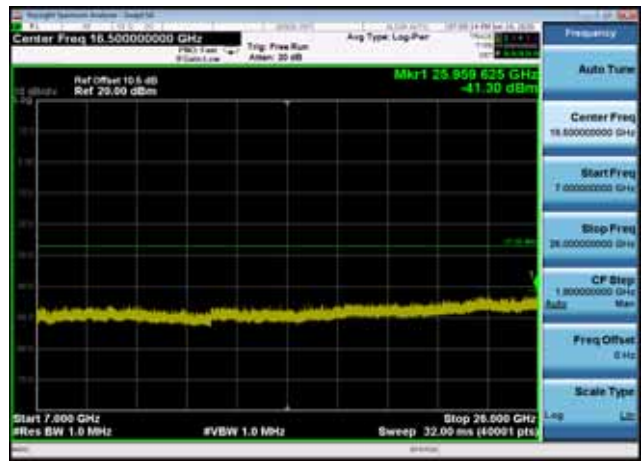
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(20MHz),5220MHz,Ant1



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(20MHz),5240MHz,Ant0



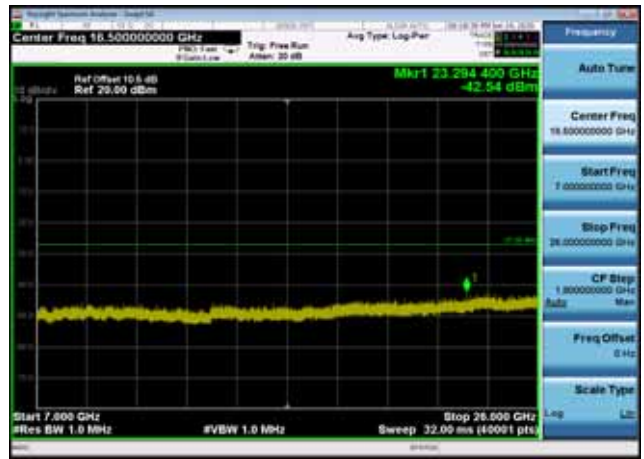
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(20MHz),5240MHz,Ant1



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(40MHz),5190MHz,Ant0



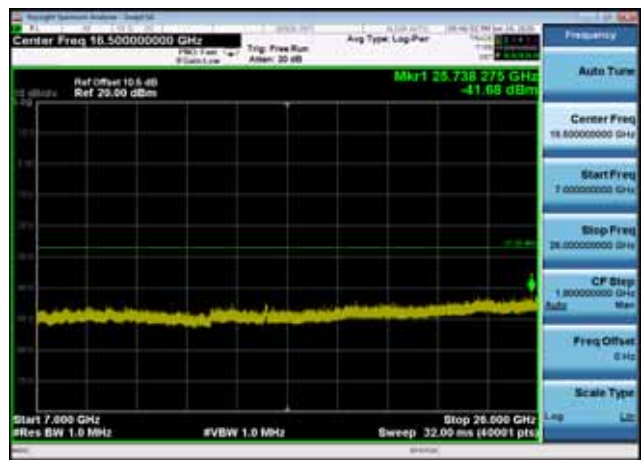
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(40MHz),5190MHz,Ant1



U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(40MHz),5230MHz,Ant0



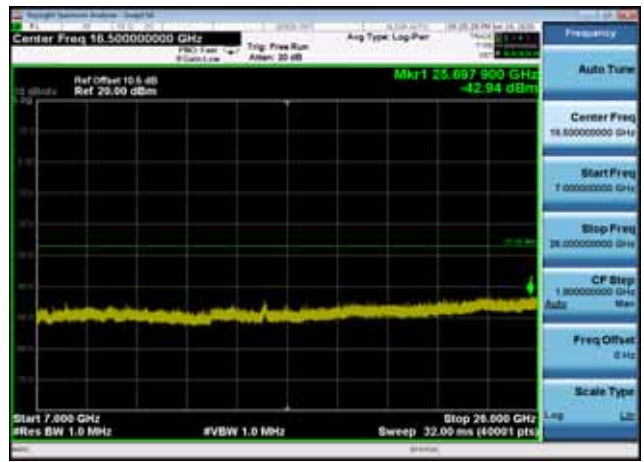
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
11ac(40MHz),5230MHz,Ant1



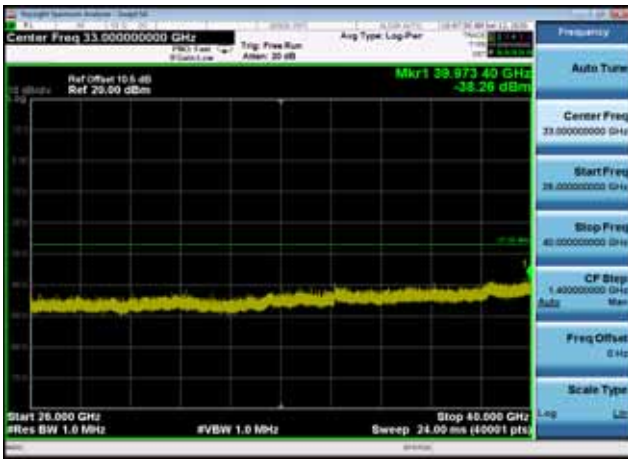
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
.11ac(80MHz),5210MHz,Ant0



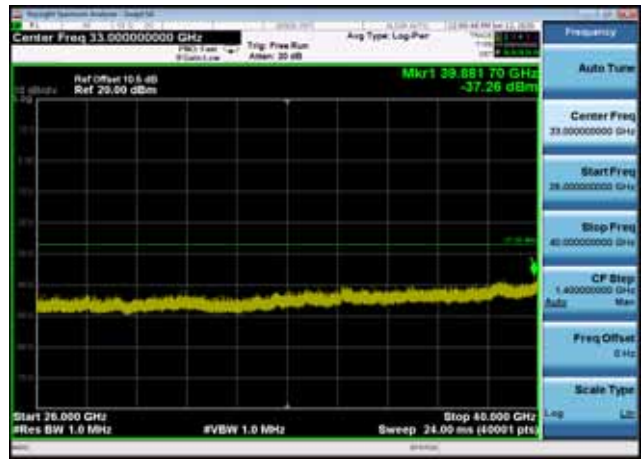
U-NII-1 ,Plot 4,7000MHz~26000MHz-802.  
.11ac(80MHz),5210MHz,Ant1



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11a(20MHz),5180MHz,Ant0



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11a(20MHz),5180MHz,Ant1



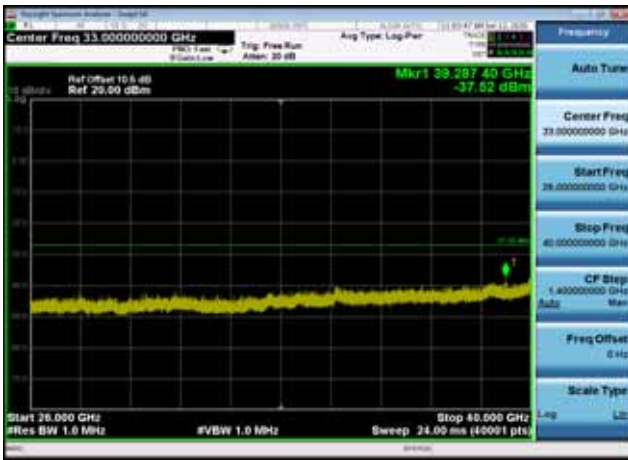
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11a(20MHz),5220MHz,Ant0



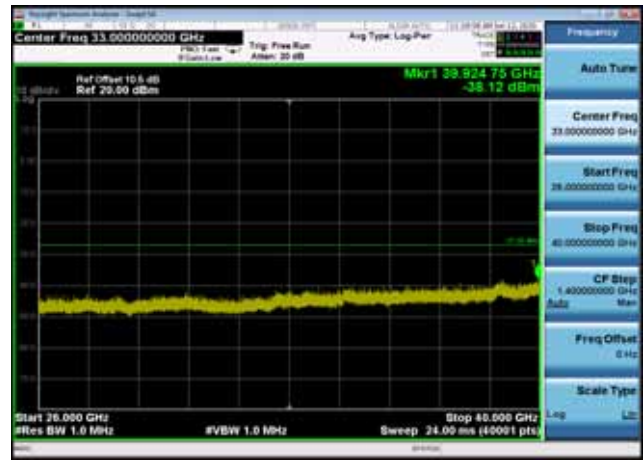
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11a(20MHz),5220MHz,Ant1



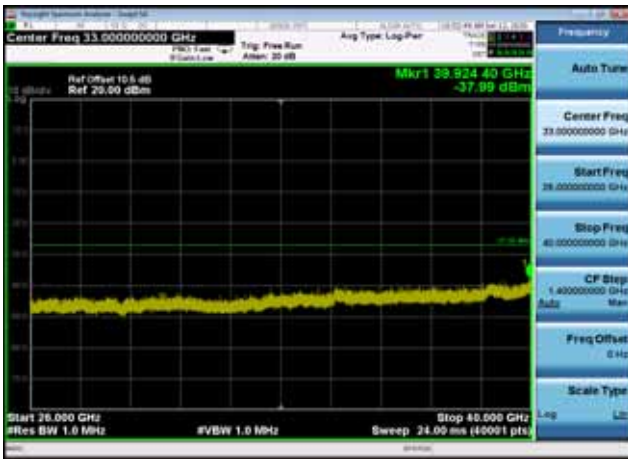
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11a(20MHz),5240MHz,Ant0



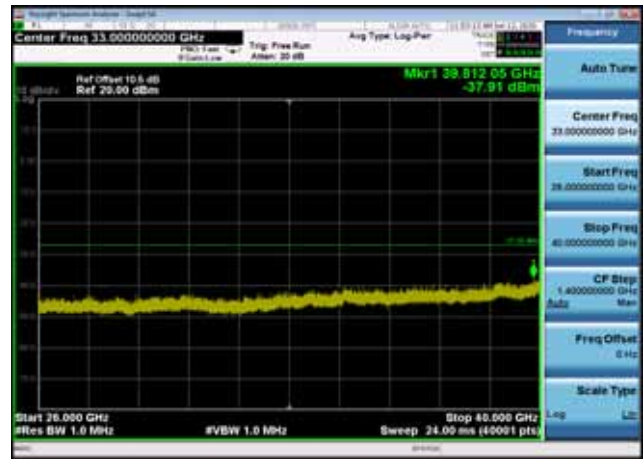
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11a(20MHz),5240MHz,Ant1



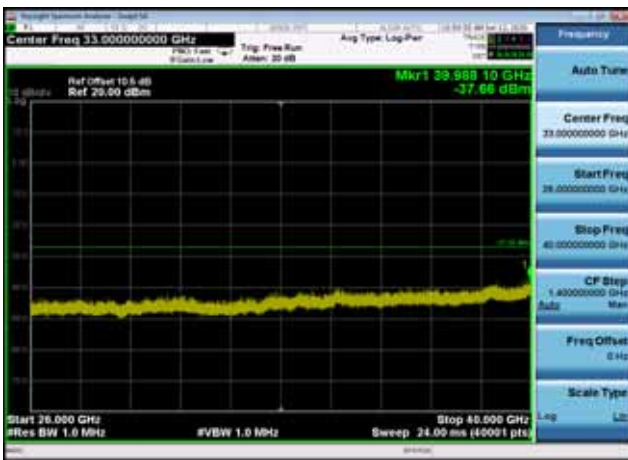
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(20MHz),5180MHz,Ant0



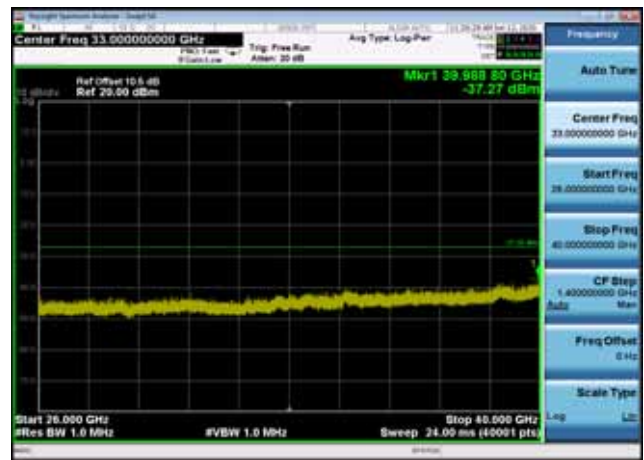
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(20MHz),5180MHz,Ant1



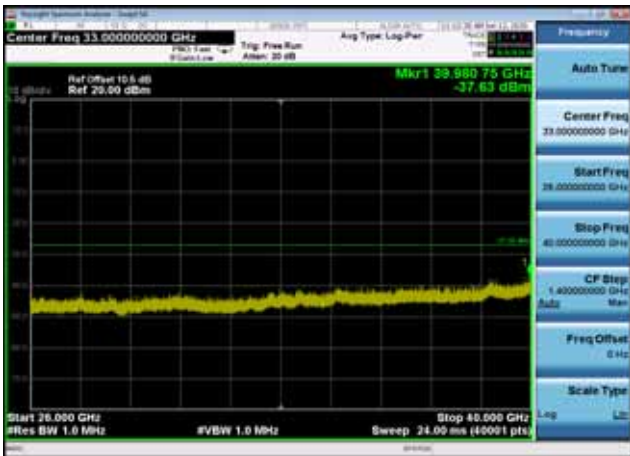
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(20MHz),5220MHz,Ant0



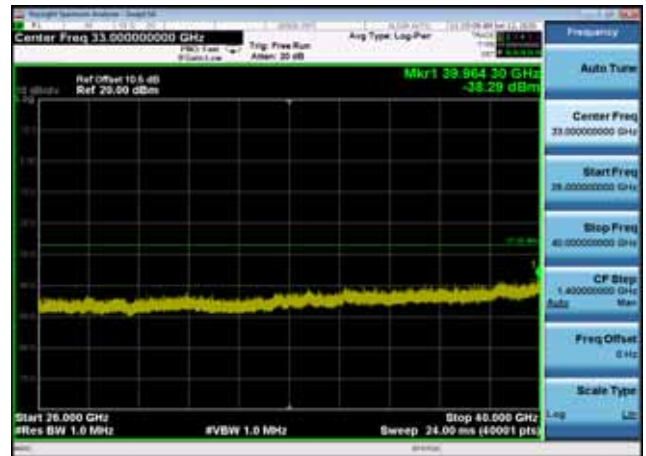
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(20MHz),5220MHz,Ant1



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(20MHz),5240MHz,Ant0



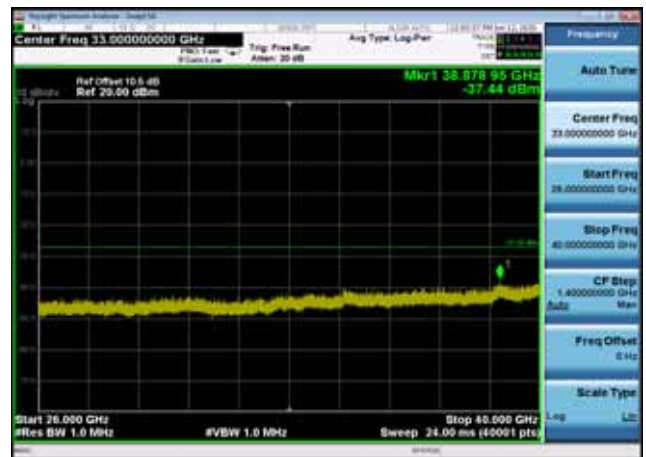
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(20MHz),5240MHz,Ant1



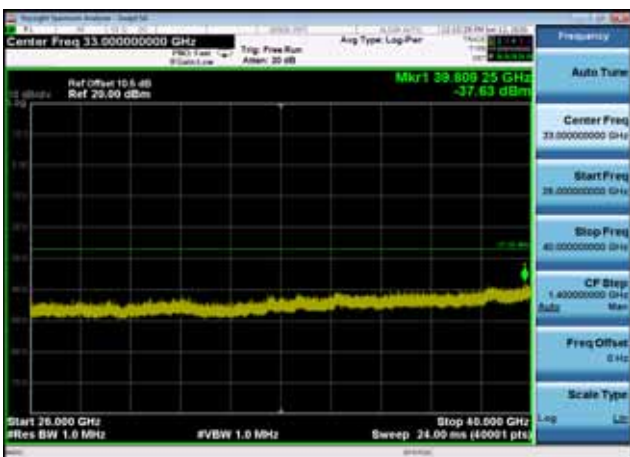
U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(40MHz),5190MHz,Ant0



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(40MHz),5190MHz,Ant1



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(40MHz),5230MHz,Ant0



U-NII-1 ,Plot 2,26000MHz~40000MHz-802  
.11ac(40MHz),5230MHz,Ant1

