FCC RF Test Report

APPLICANT	:	Amazon.com Services LLC
EQUIPMENT	:	Electronic Display Device
MODEL NAME	:	C2V2L3
FCC ID	:	2A4DH-4832
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jan. 24, 2022 ~ Mar. 02, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

ACCREDITED Cert #5145.01

Sporton International Inc. (ShenZhen)
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR1O2129-01D	Rev. 01	Initial issue of report	Mar. 18, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	Report only	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass	Under limit 3.03 dB at 5725.240 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 14.95 dB at 0.56589 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

Amazon.com Services LLC
410 Terry Avenue N, Seattle, WA 98109-5210, United States

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Electronic Display Device
Model Name	C2V2L3
FCC ID	2A4DH-4832

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>** 802.11a : 14.68 dBm / 0.0294 W 802.11n HT20 : 14.65 dBm / 0.0292 W 802.11n HT40 : 13.70 dBm / 0.0234 W 802.11ac VHT20 : 14.56 dBm / 0.0286 W 802.11ac VHT40 : 13.66 dBm / 0.0232 W 802.11ac VHT80 : 13.54 dBm / 0.0226 W **<5260 MHz ~ 5320 MHz>** 802.11a : 14.71 dBm / 0.0296 W 802.11n HT20 : 14.78 dBm / 0.0301 W 802.11n HT40 : 13.72 dBm / 0.0236 W 802.11ac VHT20 : 14.70 dBm / 0.0295 W 802.11ac VHT40 : 13.68 dBm / 0.0233 W 802.11ac VHT80 : 12.99 dBm / 0.0199 W **<5500 MHz ~ 5720 MHz >** 802.11a : 14.51 dBm / 0.0282 W 802.11n HT20 : 14.69 dBm / 0.0294 W 802.11n HT40 : 13.70 dBm / 0.0234 W 802.11ac VHT20 : 14.59 dBm / 0.0288 W 802.11ac VHT40 : 13.63 dBm / 0.0231 W 802.11ac VHT80 : 13.35 dBm / 0.0216 W
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 16.68 MHz 802.11n HT20 : 17.73 MHz 802.11n HT40 : 36.36 MHz 802.11ac VHT80 : 75.04 MHz **<5260 MHz ~ 5320 MHz >** 802.11a : 16.68 MHz

	802.11n HT20 : 17.73 MHz 802.11n HT40 : 36.36 MHz 802.11ac VHT80 : 75.16 MHz **<5500 MHz ~ 5720 MHz >** 802.11a : 16.68 MHz 802.11n HT20 : 17.73 MHz 802.11n HT40 : 36.56 MHz 802.11ac VHT80 : 75.16 MHz
Antenna Type / Gain	**<5180 MHz ~ 5240 MHz>** Monopole Antenna with gain 4.37 dBi **<5260 MHz ~ 5320 MHz>** Monopole Antenna with gain 4.40 dBi **<5500 MHz ~ 5720 MHz>** Monopole Antenna with gain 4.96 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac：OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)

Note:

1. Note: For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/HT40 by referring to their maximum conducted power.

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-SZ TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH02-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a
2.	CO01-SZ	Rohde&Schwarz	EMC32	10.60.0.0

1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5180-5240 MHz U-NII-1	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5260-5320 MHz U-NII-2A	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500- 5700 MHz U-NII-2C	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "#" were 802.11ac VHT80.

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : All Stress (CPU/Display/EMMC/Display Page Turn/Front Light) + BT Link + WLAN Link(5G) + Charging from Adapter via USB-C + Battery
Remark: For Radiated Test Cases, The tests were performance with Adapter, Battery and USB Cable.	

Co-location
802.11n HT20 CH140 5700MHz Tx + BLE CH19 Tx

Ch. #		U-NII-1：5180-5240 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500- 5720 MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

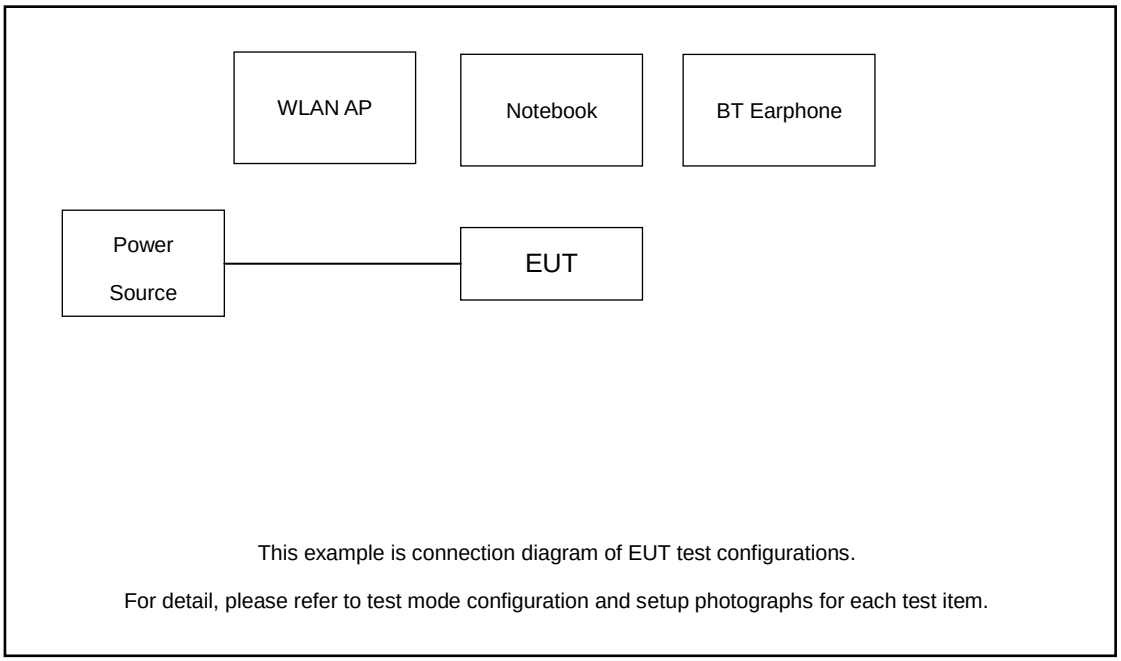
Ch. #		U-NII-1：5180-5240 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500- 5720 MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1：5180-5240 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500- 5720 MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

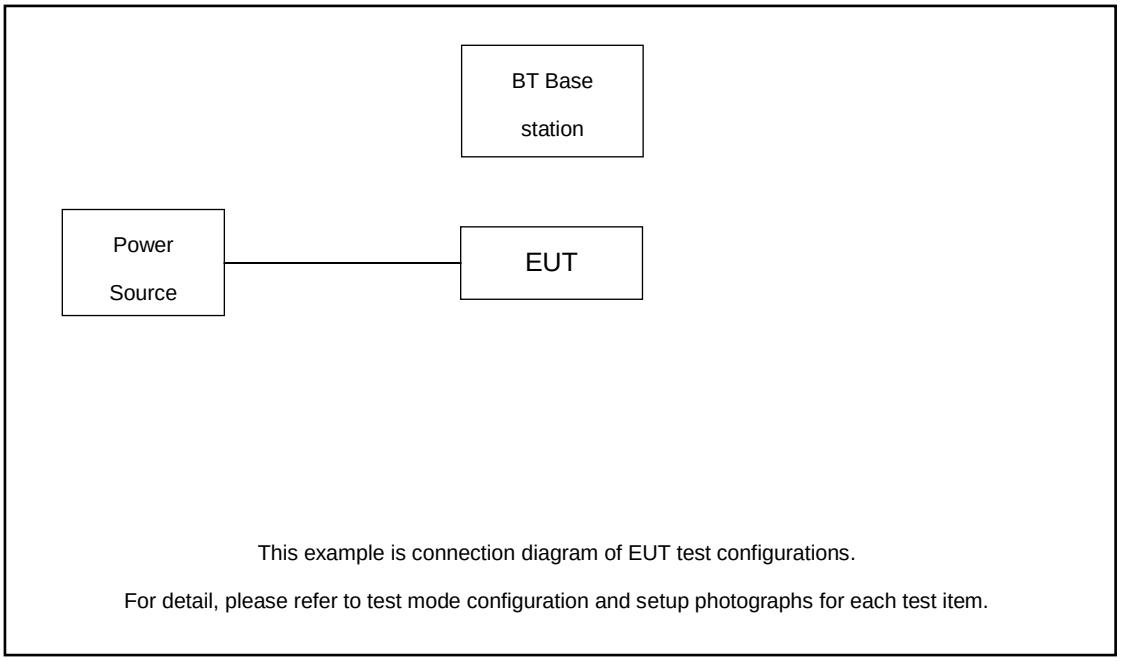
Ch. #		U-NII-1：5180-5240 MHz	U-NII-2A：5260-5320 MHz	U-NII-2C：5500- 5720 MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

2.3 Connection Diagram of Test System

For Conducted Emission:



For Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Router	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
2.	Notebook	DELL	Inspiron 15-7570	Fcc DoC	N/A	shielded cable DC O/P 1.8m Unshielded AC I/P cable 1.8m
3.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
4.	BT Base station	R&S	CBT	N/A	N/A	Unshielded,1.8m
5.	AC Adapter	N/A	PS57CP	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the router under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 2.80 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 2.80 + 10 = 12.80 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

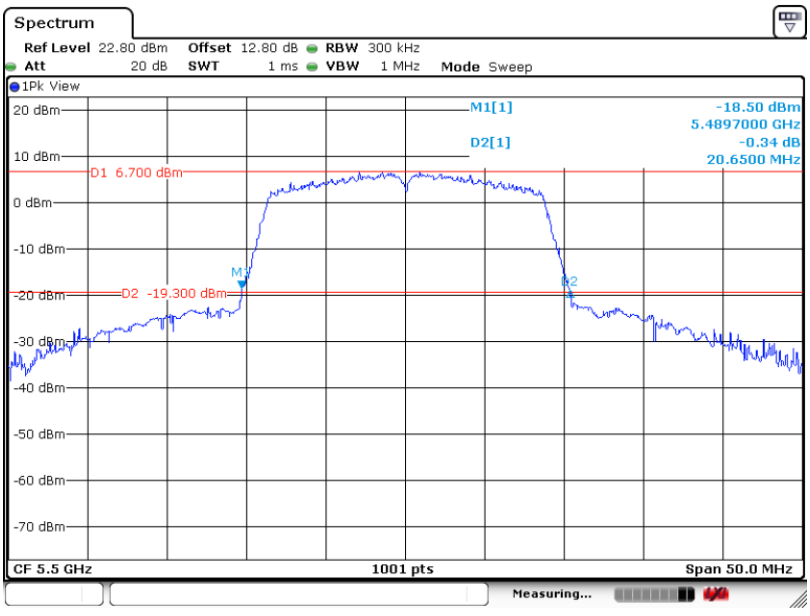
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1% to 5% of the OBW and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

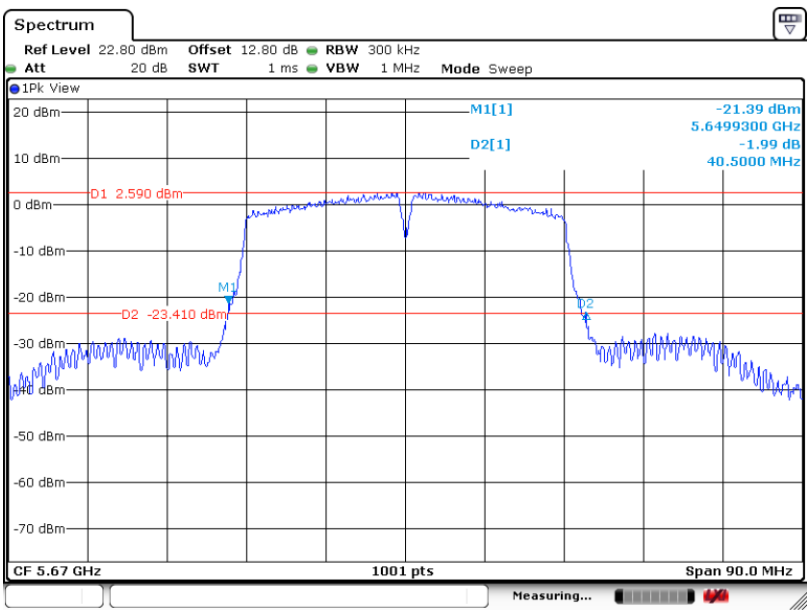
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

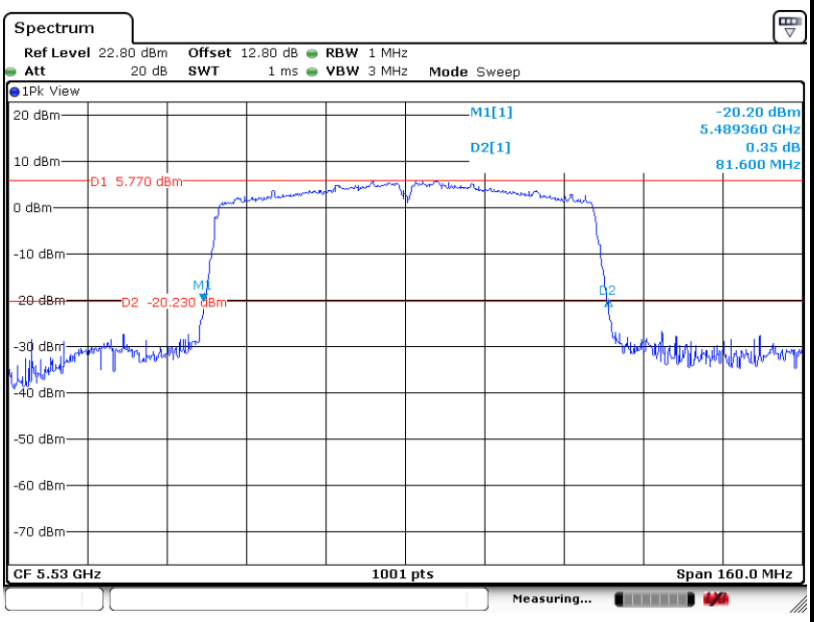
Maximum 26dB Bandwidth for 20M BW



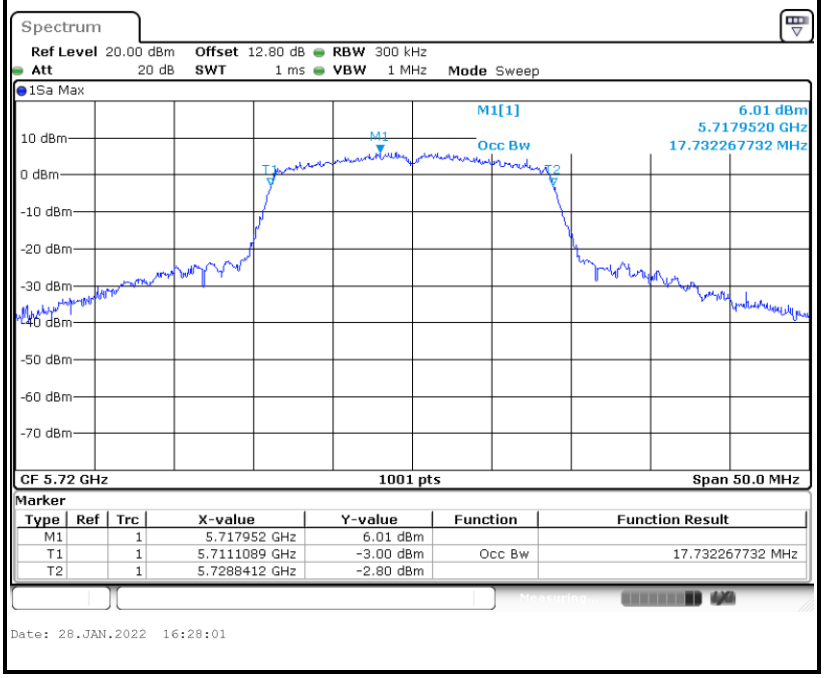
Maximum 26dB Bandwidth for 40M BW



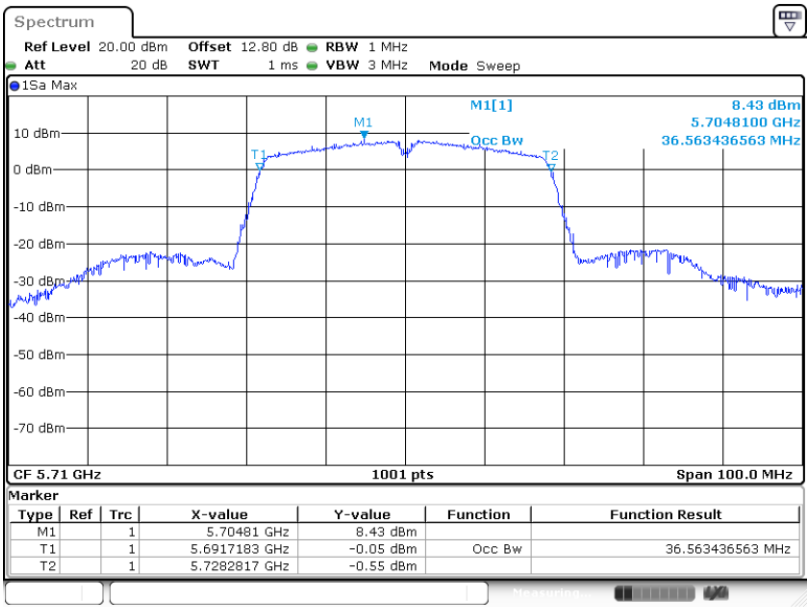
Maximum 26dB Bandwidth for 80M BW



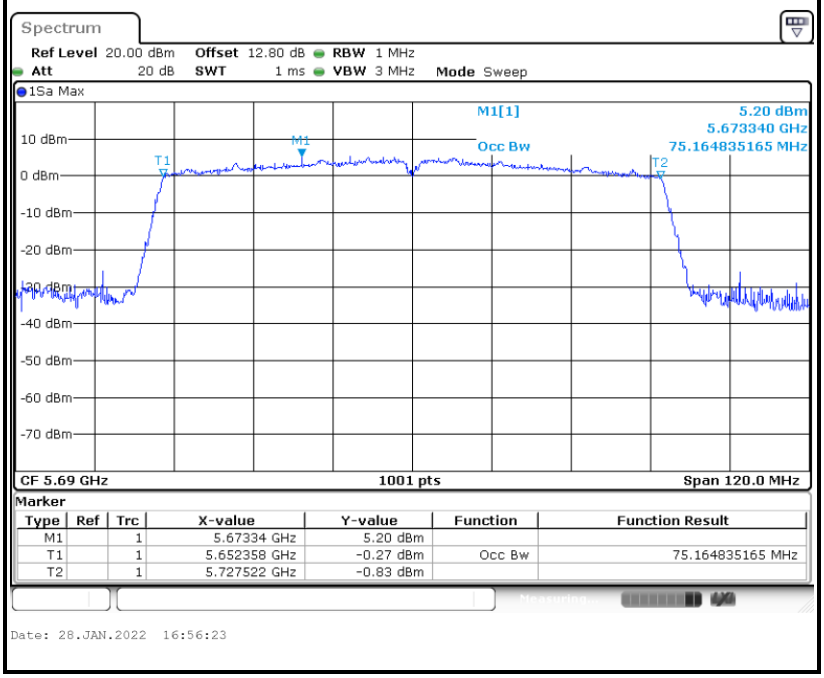
Maximum 99% Occupied Bandwidth for 20M BW



Maximum 99% Occupied Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 80M BW



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For the 5.47–5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10 B, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

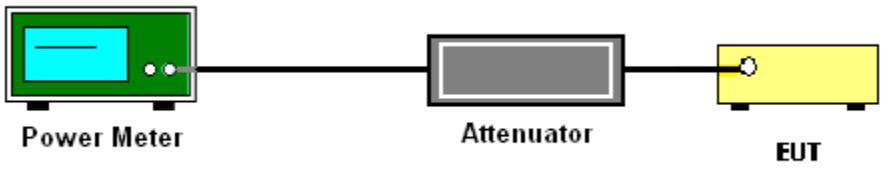
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.
4. For MIMO mode, the measure-and-sum technique should be used for measuring the in-band transmit power of a device.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

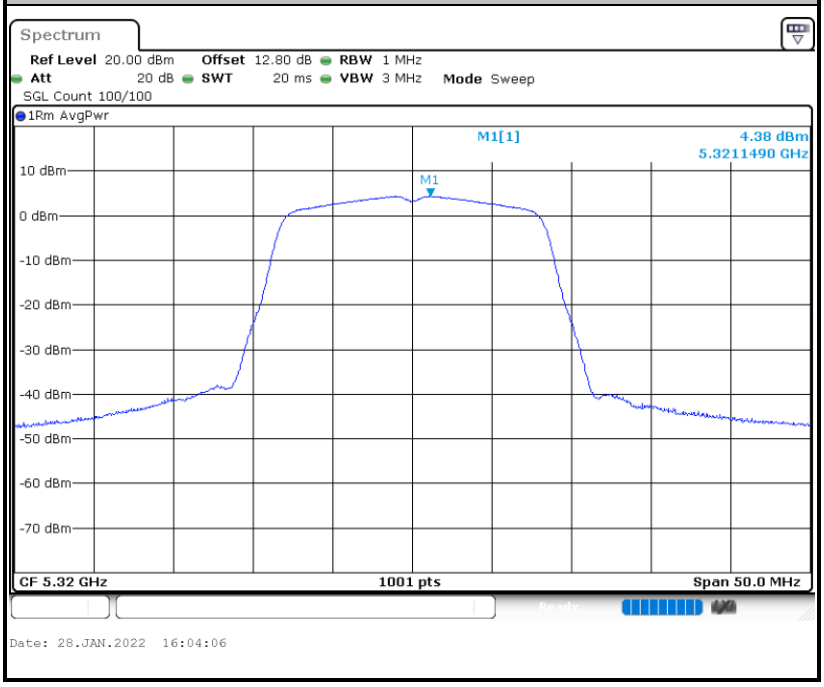
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



Note: Average Power Density (dB) = Measured value+ Duty Factor

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5725 MHz band: all emissions outside of the 5470-5725 MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

Note: The following formula is used to convert the EIRP to field strength.

$$EIRP = E_{Meas} + 20\log(d_{Meas}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} is the measurement distance, in m

(3) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

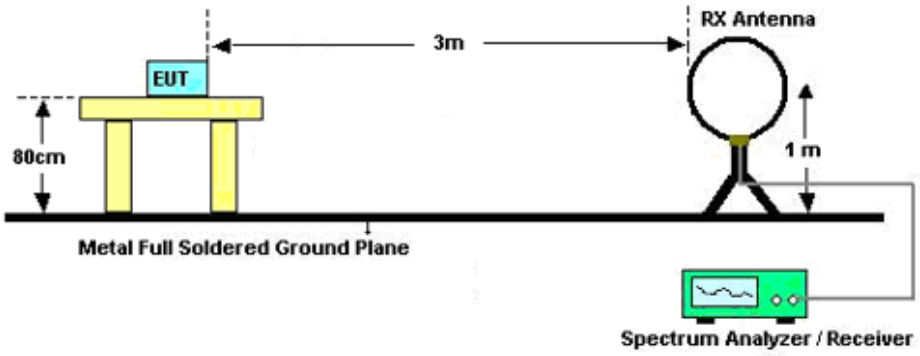
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

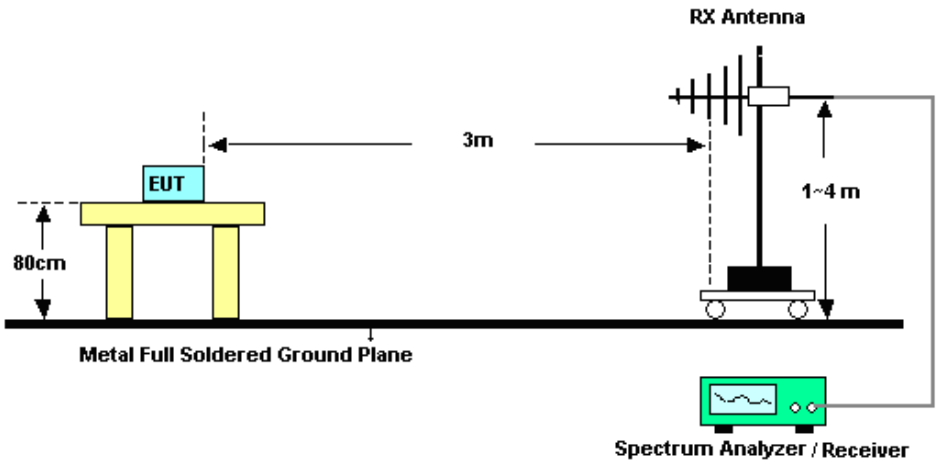
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

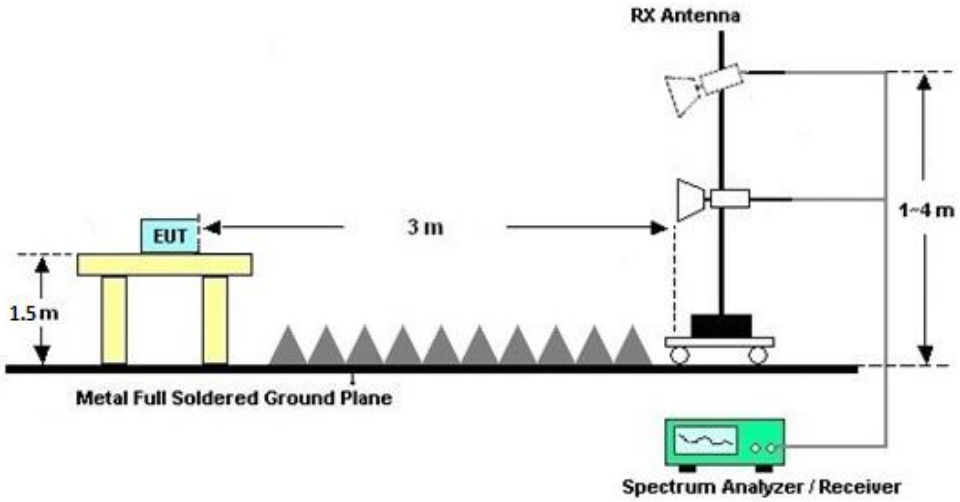
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C&D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C&D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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 of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

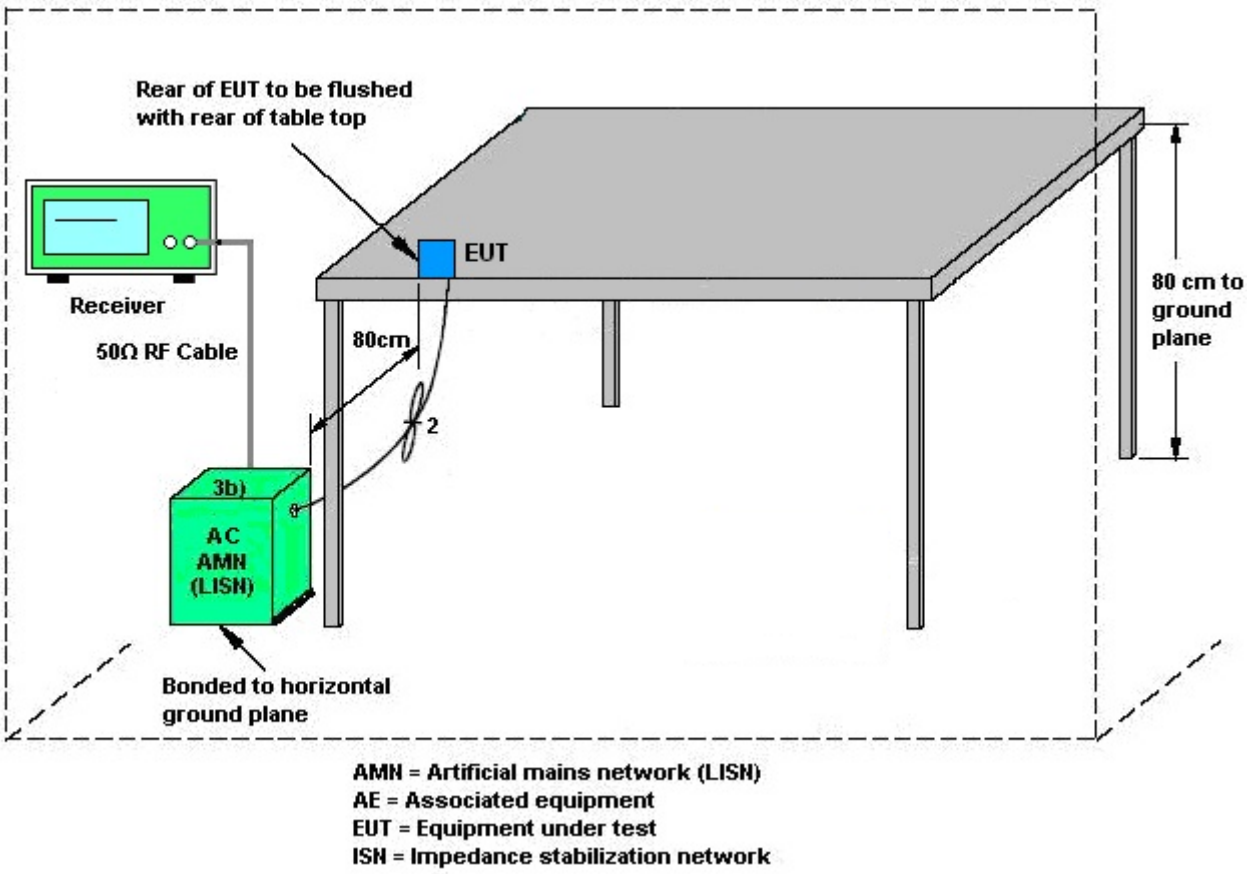
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 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 with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Jan. 24, 2022~ Jan. 28, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1339473	30MHz~40GHz	Dec. 28, 2021	Jan. 24, 2022~ Jan. 28, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1542004	50MHz Bandwidth	Dec. 28, 2021	Jan. 24, 2022~ Jan. 28, 2022	Dec. 27, 2022	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 13, 2021	Jan. 28, 2022	Jul. 13, 2022	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Jan. 28, 2022	Jun. 21, 2022	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2021	Jan. 28, 2022	Jul. 14, 2022	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 25, 2021	Jan. 28, 2022	Jul. 24, 2022	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 13, 2021	Jan. 28, 2022	Jul. 13, 2022	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 11 2021	Jan. 28, 2022	Apr. 10, 2022	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 22, 2021	Jan. 28, 2022	Oct. 21, 2022	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Jan. 28, 2022	Oct. 21, 2022	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 22, 2021	Jan. 28, 2022	Oct. 21, 2022	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Jan. 28, 2022	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jan. 28, 2022	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jan. 28, 2022	NCR	Radiation (03CH02-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Mar. 08, 2021	Mar. 02, 2022	Mar. 07, 2022	Conduction (CO01-SZ)
AC LISN	R&S	ENV216	100063	9kHz~30MHz	Sep. 01, 2021	Mar. 02, 2022	Aug. 31, 2022	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 28, 2021	Mar. 02, 2022	Oct. 27, 2022	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 14, 2021	Mar. 02, 2022	Jul. 13, 2022	Conduction (CO01-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.2dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1dB**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1dB**

---------- THE END ----------

Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Zhang Xue Yi	Temperature:	21~25	°C
Test Date:	2022/1/24~2022/1/28	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)		
11a	6Mbps	1	36	5180	16.68	20.05	-	22.22		
11a	6Mbps	1	44	5220	16.68	20.10	-	22.22		
11a	6Mbps	1	48	5240	16.68	20.20	-	22.22		
HT20	MCS0	1	36	5180	17.73	20.45	-	22.49		
HT20	MCS0	1	44	5220	17.73	20.50	-	22.49		
HT20	MCS0	1	48	5240	17.73	20.45	-	22.49		
HT40	MCS0	1	38	5190	36.36	40.32	-	23.01		
HT40	MCS0	1	46	5230	36.36	39.78	-	23.01		
VHT80	MCS0	1	42	5210	75.04	80.96	-	23.01		

TEST RESULTS DATA
Average Power Table

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.13	14.68	24.00	4.37		Pass
11a	6Mbps	1	44	5220	0.13	14.67	24.00	4.37		Pass
11a	6Mbps	1	48	5240	0.13	14.58	24.00	4.37		Pass
HT20	MCS0	1	36	5180	0.17	14.52	24.00	4.37		Pass
HT20	MCS0	1	44	5220	0.17	14.65	24.00	4.37		Pass
HT20	MCS0	1	48	5240	0.17	14.59	24.00	4.37		Pass
HT40	MCS0	1	38	5190	0.28	13.64	24.00	4.37		Pass
HT40	MCS0	1	46	5230	0.28	13.70	24.00	4.37		Pass
VHT20	MCS0	1	36	5180	0.14	14.43	24.00	4.37		Pass
VHT20	MCS0	1	44	5220	0.14	14.56	24.00	4.37		Pass
VHT20	MCS0	1	48	5240	0.14	14.50	24.00	4.37		Pass
VHT40	MCS0	1	38	5190	0.28	13.60	24.00	4.37		Pass
VHT40	MCS0	1	46	5230	0.28	13.66	24.00	4.37		Pass
VHT80	MCS0	1	42	5210	0.57	13.54	24.00	4.37		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.13	3.93	11.00	4.37		Pass
11a	6Mbps	1	44	5220	0.13	3.95	11.00	4.37		Pass
11a	6Mbps	1	48	5240	0.13	4.39	11.00	4.37		Pass
HT20	MCS0	1	36	5180	0.17	3.87	11.00	4.37		Pass
HT20	MCS0	1	44	5220	0.17	3.53	11.00	4.37		Pass
HT20	MCS0	1	48	5240	0.17	3.58	11.00	4.37		Pass
HT40	MCS0	1	38	5190	0.28	-0.20	11.00	4.37		Pass
HT40	MCS0	1	46	5230	0.28	-0.24	11.00	4.37		Pass
VHT80	MCS0	1	42	5210	0.57	-3.31	11.00	4.37		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	52	5260	16.68	20.10	23.22	29.22	23.98	
11a	6M bps	1	60	5300	16.63	20.35	23.21	29.21	23.98	
11a	6M bps	1	64	5320	16.68	20.10	23.22	29.22	23.98	
HT20	MCS 0	1	52	5260	17.73	20.55	23.49	29.49	23.98	
HT20	MCS 0	1	60	5300	17.73	20.45	23.49	29.49	23.98	
HT20	MCS 0	1	64	5320	17.73	20.50	23.49	29.49	23.98	
HT40	MCS 0	1	54	5270	36.36	39.87	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.26	39.69	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	75.16	81.12	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	52	5260	0.13	14.54	23.98	4.40	26.99	Pass
11a	6M bps	1	60	5300	0.13	14.66	23.98	4.40	26.99	Pass
11a	6M bps	1	64	5320	0.13	14.71	23.98	4.40	26.99	Pass
HT20	MCS 0	1	52	5260	0.17	14.70	23.98	4.40	26.99	Pass
HT20	MCS 0	1	60	5300	0.17	14.78	23.98	4.40	26.99	Pass
HT20	MCS 0	1	64	5320	0.17	14.73	23.98	4.40	26.99	Pass
HT40	MCS 0	1	54	5270	0.28	13.72	23.98	4.40	26.99	Pass
HT40	MCS 0	1	62	5310	0.28	13.61	23.98	4.40	26.99	Pass
VHT20	MCS 0	1	52	5260	0.14	14.61	23.98	4.40	26.99	Pass
VHT20	MCS 0	1	60	5300	0.14	14.70	23.98	4.40	26.99	Pass
VHT20	MCS 0	1	64	5320	0.14	14.63	23.98	4.40	26.99	Pass
VHT40	MCS 0	1	54	5270	0.28	13.68	23.98	4.40	26.99	Pass
VHT40	MCS 0	1	62	5310	0.28	13.57	23.98	4.40	26.99	Pass
VHT80	MCS 0	1	58	5290	0.57	12.99	23.98	4.40	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.13	4.01	11.00	4.40		Pass
11a	6M bps	1	60	5300	0.13	4.01	11.00	4.40		Pass
11a	6M bps	1	64	5320	0.13	4.51	11.00	4.40		Pass
HT20	MCS 0	1	52	5260	0.17	3.70	11.00	4.40		Pass
HT20	MCS 0	1	60	5300	0.17	4.27	11.00	4.40		Pass
HT20	MCS 0	1	64	5320	0.17	3.85	11.00	4.40		Pass
HT40	MCS 0	1	54	5270	0.28	0.22	11.00	4.40		Pass
HT40	MCS 0	1	62	5310	0.28	-0.10	11.00	4.40		Pass
VHT80	MCS 0	1	58	5290	0.57	-4.22	11.00	4.40		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	100	5500	16.68	20.30	23.22	29.22	23.98	
11a	6M bps	1	116	5580	16.68	20.20	23.22	29.22	23.98	
11a	6M bps	1	140	5700	16.68	20.10	23.22	29.22	23.98	
11a	6Mbps	1	144	5720	16.68	20.25	23.22	29.22	23.98	
HT20	MCS 0	1	100	5500	17.73	20.65	23.49	29.49	23.98	
HT20	MCS 0	1	116	5580	17.73	20.35	23.49	29.49	23.98	
HT20	MCS 0	1	140	5700	17.73	20.50	23.49	29.49	23.98	
HT20	MCS0	1	144	5720	17.73	20.50	23.49	29.49	23.98	
HT40	MCS 0	1	102	5510	36.46	40.05	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.36	39.96	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.46	40.50	23.98	30.00	23.98	
HT40	MCS0	1	142	5710	36.56	39.78	23.98	30.00	23.98	
VHT80	MCS 0	1	106	5530	75.04	81.60	23.98	30.00	23.98	
VHT80	MCS 0	1	122	5610	75.04	81.12	23.98	30.00	23.98	
VHT80	MCS0	1	138	5690	75.16	81.28	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

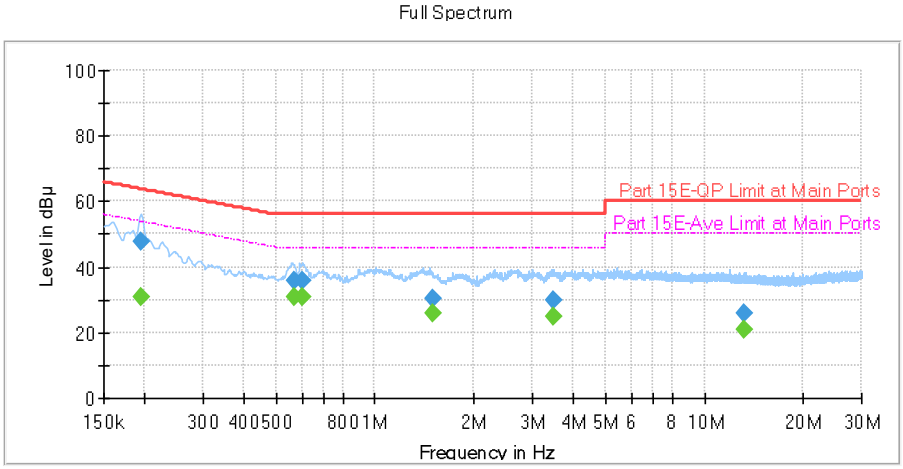
FCC Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)	EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	100	5500	0.13	14.51	23.98	4.96	26.99	Pass
11a	6M bps	1	116	5580	0.13	14.33	23.98	4.96	26.99	Pass
11a	6M bps	1	140	5700	0.13	14.40	23.98	4.96	26.99	Pass
11a	6M bps	1	144	5720	0.13	14.42	23.98	4.96	26.99	Pass
HT20	MCS 0	1	100	5500	0.17	14.69	23.98	4.96	26.99	Pass
HT20	MCS 0	1	116	5580	0.17	14.18	23.98	4.96	26.99	Pass
HT20	MCS 0	1	140	5700	0.17	13.59	23.98	4.96	26.99	Pass
HT20	MCS 0	1	144	5720	0.17	14.30	23.98	4.96	26.99	Pass
HT40	MCS 0	1	102	5510	0.28	13.53	23.98	4.96	26.99	Pass
HT40	MCS 0	1	110	5550	0.28	13.45	23.98	4.96	26.99	Pass
HT40	MCS 0	1	134	5670	0.28	13.34	23.98	4.96	26.99	Pass
HT40	MCS 0	1	142	5710	0.28	13.70	23.98	4.96	26.99	Pass
VHT20	MCS 0	1	100	5500	0.14	14.59	23.98	4.96	26.99	Pass
VHT20	MCS 0	1	116	5580	0.14	14.11	23.98	4.96	26.99	Pass
VHT20	MCS 0	1	140	5700	0.14	13.52	23.98	4.96	26.99	Pass
VHT20	MCS 0	1	144	5720	0.14	14.20	23.98	4.96	26.99	Pass
VHT40	MCS 0	1	102	5510	0.28	13.49	23.98	4.96	26.99	Pass
VHT40	MCS 0	1	110	5550	0.28	13.41	23.98	4.96	26.99	Pass
VHT40	MCS 0	1	134	5670	0.28	13.31	23.98	4.96	26.99	Pass
VHT40	MCS 0	1	142	5710	0.28	13.63	23.98	4.96	26.99	Pass
VHT80	MCS 0	1	106	5530	0.57	12.72	23.98	4.96	26.99	Pass
VHT80	MCS 0	1	122	5610	0.57	13.35	23.98	4.96	26.99	Pass
VHT80	MCS 0	1	138	5690	0.57	13.19	23.98	4.96	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.13	3.96	11.00	4.96		Pass
11a	6M bps	1	116	5580	0.13	3.89	11.00	4.96		Pass
11a	6M bps	1	140	5700	0.13	4.16	11.00	4.96		Pass
11a	6Mbps	1	144	5720	0.13	3.75	11.00	4.96		Pass
HT20	MCS 0	1	100	5500	0.17	4.32	11.00	4.96		Pass
HT20	MCS 0	1	116	5580	0.17	3.40	11.00	4.96		Pass
HT20	MCS 0	1	140	5700	0.17	3.02	11.00	4.96		Pass
HT20	MCS0	1	144	5720	0.17	3.46	11.00	4.96		Pass
HT40	MCS 0	1	102	5510	0.28	-0.07	11.00	4.96		Pass
HT40	MCS 0	1	110	5550	0.28	-0.21	11.00	4.96		Pass
HT40	MCS 0	1	134	5670	0.28	-0.61	11.00	4.96		Pass
HT40	MCS0	1	142	5710	0.28	0.01	11.00	4.96		Pass
VHT80	MCS 0	1	106	5530	0.57	-3.97	11.00	4.96		Pass
VHT80	MCS 0	1	122	5610	0.57	-2.73	11.00	4.96		Pass
VHT80	MCS0	1	138	5690	0.57	-3.16	11.00	4.96		Pass

Appendix B. AC Conducted Emission Test Results

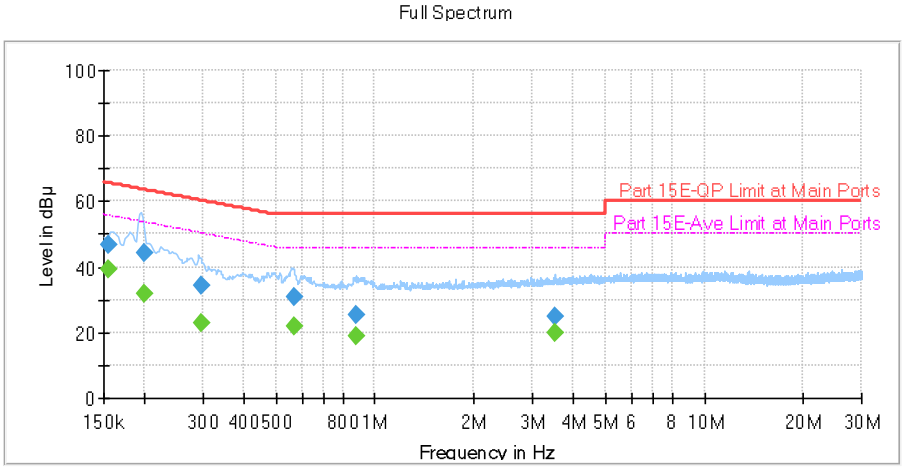
Test Engineer :	ZhangXu	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.195540	---	30.73	53.80	23.07	L1	OFF	19.7
0.195540	47.93	---	63.80	15.87	L1	OFF	19.7
0.565890	---	31.05	46.00	14.95	L1	OFF	19.7
0.565890	35.90	---	56.00	20.10	L1	OFF	19.7
0.601080	---	30.70	46.00	15.30	L1	OFF	19.8
0.601080	35.73	---	56.00	20.27	L1	OFF	19.8
1.490190	---	25.68	46.00	20.32	L1	OFF	19.8
1.490190	30.50	---	56.00	25.50	L1	OFF	19.8
3.486390	---	24.67	46.00	21.33	L1	OFF	19.8
3.486390	29.66	---	56.00	26.34	L1	OFF	19.8
13.232040	---	20.82	50.00	29.18	L1	OFF	20.1
13.232040	25.91	---	60.00	34.09	L1	OFF	20.1

Test Engineer :	ZhangXu	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.155400	---	39.13	55.71	16.58	N	OFF	19.7
0.155400	46.82	---	65.71	18.89	N	OFF	19.7
0.199500	---	31.77	53.63	21.86	N	OFF	19.7
0.199500	44.27	---	63.63	19.36	N	OFF	19.7
0.296250	---	23.07	50.35	27.28	N	OFF	19.7
0.296250	34.47	---	60.35	25.87	N	OFF	19.7
0.566790	---	21.79	46.00	24.21	N	OFF	19.7
0.566790	31.03	---	56.00	24.97	N	OFF	19.7
0.881250	---	19.12	46.00	26.88	N	OFF	19.7
0.881250	25.21	---	56.00	30.79	N	OFF	19.7
3.521310	---	19.87	46.00	26.13	N	OFF	19.8
3.521310	25.05	---	56.00	30.95	N	OFF	19.8

Appendix C. Radiated Spurious Emission

U-NII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5145.08	56.99	-17.01	74	43.58	34	10.06	30.65	104	178	P	H
		5147.94	45.44	-8.56	54	32.03	34	10.06	30.65	104	178	V	H
	*	5180	106.24	-	-	92.84	34	10.09	30.69	104	178	P	H
		5180	98.74	-	-	85.34	34	10.09	30.69	104	178	V	H
		5147.42	53.14	-20.86	74	39.73	34	10.06	30.65	114	46	P	V
		5147.94	45.27	-8.73	54	31.86	34	10.06	30.65	114	46	V	V
	*	5180	105.19	-	-	91.79	34	10.09	30.69	114	46	P	V
		5180	98.25	-	-	84.85	34	10.09	30.69	114	46	V	V
802.11a CH 44 5220MHz		5092.04	51.74	-22.26	74	38.41	33.9	10.02	30.59	126	165	P	H
		5138.06	44.04	-9.96	54	30.61	33.97	10.06	30.6	126	165	V	H
	*	5220	105.55	-	-	92.12	34.03	10.13	30.73	126	165	P	H
		5220	98.44	-	-	85.01	34.03	10.13	30.73	126	165	V	H
		5434.08	49.58	-24.42	74	35.55	34.2	10.38	30.55	126	165	P	H
		5450.16	42.14	-11.86	54	28.12	34.2	10.38	30.56	126	165	V	H
		5116.74	53.27	-20.73	74	39.84	33.93	10.06	30.56	123	46	P	V
		5147.68	43.92	-10.08	54	30.51	34	10.06	30.65	123	46	V	V
	*	5220	106.17	-	-	92.74	34.03	10.13	30.73	123	46	P	V
		5220	98.31	-	-	84.88	34.03	10.13	30.73	123	46	V	V
		5369.04	50.17	-23.83	74	36.19	34.2	10.3	30.52	123	46	P	V
		5453.28	42.23	-11.77	54	28.21	34.2	10.38	30.56	123	46	V	V

		5139.36	52.07	-21.93	74	38.64	33.97	10.06	30.6	109	164	P	H
		5131.56	43.69	-10.31	54	30.26	33.97	10.06	30.6	109	164	V	H
	*	5240	106.41	-	-	92.84	34.07	10.17	30.67	109	164	P	H
		5240	99.4	-	-	85.83	34.07	10.17	30.67	109	164	V	H
802.11a		5415.36	50.23	-23.77	74	36.22	34.2	10.34	30.53	109	164	P	H
CH 48		5359.68	42.2	-11.8	54	28.22	34.2	10.3	30.52	109	164	V	H
5240MHz		5075.4	52.54	-21.46	74	39.27	33.87	9.99	30.59	104	49	P	V
		5146.64	43.69	-10.31	54	30.28	34	10.06	30.65	104	49	V	V
	*	5240	103.91	-	-	90.34	34.07	10.17	30.67	104	49	P	V
		5240	96.82	-	-	83.25	34.07	10.17	30.67	104	49	V	V
		5351.52	50.65	-23.35	74	36.67	34.2	10.3	30.52	104	49	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.61	-20.69	68.3	57.82	37.22	11.56	58.99	-	-	P	H
		15540	56.07	-17.93	74	60.15	40.13	14.74	58.95	169	355	P	H
		15540	45.12	-8.88	54	49.2	40.13	14.74	58.95	169	355	V	H
		10360	52.4	-15.9	68.3	62.61	37.22	11.56	58.99	174	360	P	V
		15540	50.05	-23.95	74	54.13	40.13	14.74	58.95	-	-	P	V
802.11a CH 44 5220MHz		10440	47.55	-20.75	68.3	57.6	37.26	11.61	58.92	-	-	P	H
		15660	50.47	-23.53	74	54.54	40.22	14.78	59.07	-	-	P	H
		10440	53.11	-15.19	68.3	63.16	37.26	11.61	58.92	-	-	P	V
		15660	50.03	-23.97	74	54.1	40.22	14.78	59.07	-	-	P	V
802.11a CH 48 5240MHz	*	10480	47.94	-20.36	68.3	57.9	37.29	11.61	58.86	-	-	P	H
		15720	53.84	-20.16	74	57.94	40.28	14.74	59.12	104	37	P	H
		15720	43.69	-10.31	54	47.79	40.28	14.74	59.12	104	37	V	H
	*	10480	51.34	-16.96	68.3	61.3	37.29	11.61	58.86	-	-	P	V
		15720	50.59	-23.41	74	54.69	40.28	14.74	59.12	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.5	54.89	-19.11	74	41.48	34	10.06	30.65	114	166	P	H
		5149.76	45.63	-8.37	54	32.22	34	10.06	30.65	114	166	V	H
802.11n	*	5180	105.37	-	-	91.97	34	10.09	30.69	114	166	P	H
HT20		5180	98.45	-	-	85.05	34	10.09	30.69	114	166	V	H
CH 36		5136.5	52.49	-21.51	74	39.06	33.97	10.06	30.6	114	45	P	V
5180MHz		5149.24	45.17	-8.83	54	31.76	34	10.06	30.65	114	45	V	V
	*	5180	104.69	-	-	91.29	34	10.09	30.69	114	45	P	V
		5180	97.59	-	-	84.19	34	10.09	30.69	114	45	V	V
		5113.88	53.06	-20.94	74	39.67	33.93	10.02	30.56	126	164	P	H
		5147.42	44.13	-9.87	54	30.72	34	10.06	30.65	126	164	V	H
	*	5220	105.61	-	-	92.18	34.03	10.13	30.73	126	164	P	H
		5220	97.76	-	-	84.33	34.03	10.13	30.73	126	164	V	H
802.11n		5423.04	50.23	-23.77	74	36.22	34.2	10.34	30.53	126	164	P	H
HT20		5358.96	42.24	-11.76	54	28.26	34.2	10.3	30.52	126	164	V	H
CH 44		5145.34	53.66	-20.34	74	40.25	34	10.06	30.65	124	46	P	V
5220MHz		5119.34	44.08	-9.92	54	30.69	33.93	10.06	30.6	124	46	V	V
	*	5220	105.78	-	-	92.35	34.03	10.13	30.73	124	46	P	V
		5220	97.68	-	-	84.25	34.03	10.13	30.73	124	46	V	V
		5434.56	50.68	-23.32	74	36.65	34.2	10.38	30.55	124	46	P	V
		5449.44	42.34	-11.66	54	28.31	34.2	10.38	30.55	124	46	V	V

		5116.22	52.02	-21.98	74	38.59	33.93	10.06	30.56	138	165	P	H
		5133.38	43.68	-10.32	54	30.25	33.97	10.06	30.6	138	165	V	H
	*	5240	105.9	-	-	92.33	34.07	10.17	30.67	138	165	P	H
		5240	97.89	-	-	84.32	34.07	10.17	30.67	138	165	V	H
802.11n		5354.88	50.72	-23.28	74	36.74	34.2	10.3	30.52	138	165	P	H
HT20		5445.6	42.28	-11.72	54	28.25	34.2	10.38	30.55	138	165	V	H
CH 48		5149.5	51.99	-22.01	74	38.58	34	10.06	30.65	134	46	P	V
5240MHz		5137.54	43.65	-10.35	54	30.22	33.97	10.06	30.6	134	46	V	V
	*	5240	105.42	-	-	91.85	34.07	10.17	30.67	134	46	P	V
		5240	97.46	-	-	83.89	34.07	10.17	30.67	134	46	V	V
		5393.52	50.34	-23.66	74	36.33	34.2	10.34	30.53	134	46	P	V
		5419.92	42.26	-11.74	54	28.25	34.2	10.34	30.53	134	46	V	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

U-NII-1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	48.3	-20	68.3	58.51	37.22	11.56	58.99	-	-	P	H
		15540	52.82	-21.18	74	56.9	40.13	14.74	58.95	167	360	P	H
		15540	43.28	-10.72	54	47.36	40.13	14.74	58.95	167	360	V	H
		10360	50.73	-17.57	68.3	60.94	37.22	11.56	58.99	-	-	P	V
		15540	49.56	-24.44	74	53.64	40.13	14.74	58.95	-	-	P	V
802.11n HT20 CH 44 5220MHz		10440	47.77	-20.53	68.3	57.82	37.26	11.61	58.92	-	-	P	H
		15660	54.3	-19.7	74	58.37	40.22	14.78	59.07	104	356	P	H
		15660	44.59	-9.41	54	48.66	40.22	14.78	59.07	104	356	V	H
		10440	52.49	-15.81	68.3	62.54	37.26	11.61	58.92	-	-	P	V
		15660	50.18	-23.82	74	54.25	40.22	14.78	59.07	-	-	P	V
802.11n HT20 CH 48 5240MHz	*	10480	47.86	-20.44	68.3	57.82	37.29	11.61	58.86	-	-	P	H
		15720	54.21	-19.79	74	58.31	40.28	14.74	59.12	165	354	P	H
		15720	44.53	-9.47	54	48.63	40.28	14.74	59.12	165	354	V	H
	*	10480	52.39	-15.91	68.3	62.35	37.29	11.61	58.86	-	-	P	V
		15720	49.96	-24.04	74	54.06	40.28	14.74	59.12	-	-	P	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

U-NII-1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5121.94	52.84	-21.16	74	39.45	33.93	10.06	30.6	104	178	P	H
		5149.76	48.71	-5.29	54	35.3	34	10.06	30.65	104	178	V	H
	*	5190	101.85	-	-	88.45	34	10.09	30.69	104	178	P	H
		5190	94.8	-	-	81.4	34	10.09	30.69	104	178	V	H
802.11n		5423.04	49.95	-24.05	74	35.94	34.2	10.34	30.53	104	178	P	H
HT40		5454.4	42.78	-11.22	54	28.76	34.2	10.38	30.56	104	178	V	H
CH 38		5133.38	54.56	-19.44	74	41.13	33.97	10.06	30.6	116	45	P	V
5190MHz		5149.76	48.7	-5.3	54	35.29	34	10.06	30.65	116	45	V	V
	*	5190	101.32	-	-	87.92	34	10.09	30.69	116	45	P	V
		5190	93.88	-	-	80.48	34	10.09	30.69	116	45	V	V
		5359.48	49.86	-24.14	74	35.88	34.2	10.3	30.52	116	45	P	V
		5393.36	42.94	-11.06	54	28.93	34.2	10.34	30.53	116	45	V	V
		5146.64	52.67	-21.33	74	39.26	34	10.06	30.65	112	164	P	H
		5141.44	44.93	-9.07	54	31.47	34	10.06	30.6	112	164	V	H
	*	5230	102.79	-	-	89.26	34.07	10.13	30.67	112	164	P	H
		5230	94.78	-	-	81.25	34.07	10.13	30.67	112	164	V	H
802.11n		5350.8	50.93	-23.07	74	36.95	34.2	10.3	30.52	112	164	P	H
HT40		5455.44	43.01	-10.99	54	28.99	34.2	10.38	30.56	112	164	V	H
CH 46		5043.42	51.91	-22.09	74	38.75	33.8	9.99	30.63	122	58	P	V
5230MHz		5126.36	44.57	-9.43	54	31.14	33.97	10.06	30.6	122	58	V	V
	*	5230	101.37	-	-	87.84	34.07	10.13	30.67	122	58	P	V
		5230	94.74	-	-	81.21	34.07	10.13	30.67	122	58	V	V
		5438.64	49.89	-24.11	74	35.86	34.2	10.38	30.55	122	58	P	V
		5370.48	43.04	-10.96	54	29.06	34.2	10.3	30.52	122	58	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	47.8	-20.5	68.3	57.96	37.23	11.59	58.98	-	-	P	H
		15570	50.77	-23.23	74	54.79	40.16	14.79	58.97	-	-	P	H
		10380	49.94	-18.36	68.3	60.1	37.23	11.59	58.98	165	356	P	V
		15570	50.74	-23.26	74	54.76	40.16	14.79	58.97	-	-	P	V
802.11n HT40 CH 46 5230MHz		10460	47.81	-20.49	68.3	57.81	37.27	11.61	58.88	-	-	P	H
		15690	52.68	-21.32	74	56.77	40.25	14.74	59.08	166	15	P	H
		15690	43.5	-10.5	54	47.59	40.25	14.74	59.08	166	15	V	H
		10460	50.07	-18.23	68.3	60.07	37.27	11.61	58.88	-	-	P	V
		15690	50.12	-23.88	74	54.21	40.25	14.74	59.08	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5135.46	55.59	-18.41	74	42.16	33.97	10.06	30.6	116	178	P	H
		5146.9	50.75	-3.25	54	37.34	34	10.06	30.65	116	178	V	H
		5210	98.84	-	-	85.41	34.03	10.13	30.73	116	178	P	H
		5210	90.78	-	-	77.35	34.03	10.13	30.73	116	178	V	H
		5364.24	50.29	-23.71	74	36.31	34.2	10.3	30.52	116	178	P	H
		5364.48	44.54	-9.46	54	30.56	34.2	10.3	30.52	116	178	V	H
		5137.54	55.56	-18.44	74	42.13	33.97	10.06	30.6	125	46	P	V
		5149.76	50.65	-3.35	54	37.24	34	10.06	30.65	125	46	V	V
		5210	98.75	-	-	85.32	34.03	10.13	30.73	125	46	P	V
		5210	90.65	-	-	77.22	34.03	10.13	30.73	125	46	V	V
		5399.76	50.63	-23.37	74	36.62	34.2	10.34	30.53	125	46	P	V
		5436.72	44.25	-9.75	54	30.22	34.2	10.38	30.55	125	46	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10420	49.25	-19.05	68.3	59.33	37.25	11.61	58.94	-	-	P	H
VHT80		15630	50	-24	74	54.02	40.21	14.8	59.03	-	-	p	H
CH 42		10420	50.22	-18.08	68.3	60.3	37.25	11.61	58.94	-	-	P	V
5210MHz		15630	50.74	-23.26	74	54.76	40.21	14.8	59.03	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5141.7	51.74	-22.26	74	38.28	34	10.06	30.6	136	164	P	H
		5114.4	43.55	-10.45	54	30.16	33.93	10.02	30.56	136	164	V	H
	*	5260	105.73	-	-	92.05	34.13	10.17	30.62	136	164	P	H
		5260	99.35	-	-	85.67	34.13	10.17	30.62	136	164	V	H
		5371.44	50.28	-23.72	74	36.3	34.2	10.3	30.52	136	164	P	H
		5351.52	42.29	-11.71	54	28.31	34.2	10.3	30.52	136	164	V	H
		5050.44	51.51	-22.49	74	38.35	33.8	9.99	30.63	130	46	P	V
		5102.44	43.52	-10.48	54	30.16	33.9	10.02	30.56	130	46	V	V
	*	5260	104.87	-	-	91.19	34.13	10.17	30.62	130	46	P	V
		5260	97.97	-	-	84.29	34.13	10.17	30.62	130	46	V	V
		5441.52	49.7	-24.3	74	35.67	34.2	10.38	30.55	130	46	P	V
		5357.28	42.25	-11.75	54	28.27	34.2	10.3	30.52	130	46	V	V
802.11a CH 60 5300MHz		5125.65	53.49	-20.51	74	40.06	33.97	10.06	30.6	104	9	P	H
		5125.65	43.67	-10.33	54	30.24	33.97	10.06	30.6	104	9	V	H
	*	5300	105.8	-	-	91.9	34.2	10.21	30.51	104	9	P	H
		5300	98.13	-	-	84.23	34.2	10.21	30.51	104	9	V	H
		5380.08	51.36	-22.64	74	37.39	34.2	10.3	30.53	104	9	P	H
		5350.08	43.34	-10.66	54	29.36	34.2	10.3	30.52	104	9	V	H
		5121.1	52.82	-21.18	74	39.43	33.93	10.06	30.6	104	261	P	V
		5128.45	43.8	-10.2	54	30.37	33.97	10.06	30.6	104	261	V	V
	*	5300	103.6	-	-	89.7	34.2	10.21	30.51	104	261	P	V
		5300	96.03	-	-	82.13	34.2	10.21	30.51	104	261	V	V
		5353.2	50.29	-23.71	74	36.31	34.2	10.3	30.52	104	261	P	V
		5355.6	42.59	-11.41	54	28.61	34.2	10.3	30.52	104	261	V	V

802.11a CH 64 5320MHz	*	5320	107.01	-	-	93.06	34.2	10.26	30.51	241	42	P	H
		5320	100.18	-	-	86.23	34.2	10.26	30.51	241	42	V	H
		5351.68	52.79	-21.21	74	38.81	34.2	10.3	30.52	241	42	P	H
		5350.24	45.84	-8.16	54	31.86	34.2	10.3	30.52	241	42	V	H
	*	5320	103.17	-	-	89.22	34.2	10.26	30.51	120	0	P	V
		5320	96.08	-	-	82.13	34.2	10.26	30.51	120	0	V	V
		5350.56	51.54	-22.46	74	37.56	34.2	10.3	30.52	120	0	P	V
		5352	43.17	-10.83	54	29.19	34.2	10.3	30.52	120	0	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.99	-19.31	68.3	58.84	37.32	11.65	58.82	-	-	p	H
		15780	55.42	-18.58	74	59.5	40.32	14.78	59.18	167	353	p	H
		15780	45.54	-8.46	54	49.62	40.32	14.78	59.18	167	353	v	H
		10520	52.86	-15.44	68.3	62.71	37.32	11.65	58.82	-	-	p	V
		15780	50.27	-23.73	74	54.35	40.32	14.78	59.18	159	345	p	V
802.11a CH 60 5300MHz		10600	48.7	-25.3	74	58.15	37.42	11.86	58.73	-	-	p	H
		15900	54.7	-19.3	74	58.72	40.42	14.86	59.3	165	356	p	H
		15900	46.01	-7.99	54	50.03	40.42	14.86	59.3	165	356	v	H
		10600	55.77	-18.23	74	65.22	37.42	11.86	58.73	145	356	p	V
		10600	45.68	-8.32	54	55.13	37.42	11.86	58.73	145	356	v	V
		15900	49.5	-24.5	74	53.52	40.42	14.86	59.3	-	-	p	V
802.11a CH 64 5320MHz		10640	48.1	-25.9	74	57.49	37.47	11.83	58.69	-	-	p	H
		15960	48.59	-25.41	74	52.58	40.47	14.89	59.35	-	-	p	H
		10640	53.72	-20.28	74	63.11	37.47	11.83	58.69	158	357	p	V
		10640	45.42	-8.58	54	54.81	37.47	11.83	58.69	158	357	v	V
		15960	48.44	-25.56	74	52.43	40.47	14.89	59.35	-	-	p	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5142.22	52.31	-21.69	74	38.85	34	10.06	30.6	248	41	p	H
		5140.66	43.82	-10.18	54	30.36	34	10.06	30.6	248	41	v	H
	*	5260	107.81	-	-	94.13	34.13	10.17	30.62	248	41	p	H
		5260	100.95	-	-	87.27	34.13	10.17	30.62	248	41	v	H
802.11n		5372.4	50.87	-23.13	74	36.89	34.2	10.3	30.52	248	41	p	H
HT20		5350.32	42.81	-11.19	54	28.83	34.2	10.3	30.52	248	41	v	H
CH 52		5127.14	53.02	-20.98	74	39.59	33.97	10.06	30.6	239	6	p	V
5260MHz		5133.38	43.1	-10.9	54	29.67	33.97	10.06	30.6	239	6	v	V
	*	5260	103.48	-	-	89.8	34.13	10.17	30.62	239	6	p	V
		5260	95.81	-	-	82.13	34.13	10.17	30.62	239	6	v	V
		5358.48	49.6	-24.4	74	35.62	34.2	10.3	30.52	239	6	p	V
		5351.28	42.17	-11.83	54	28.19	34.2	10.3	30.52	239	6	v	V
		5020.3	51.5	-22.5	74	38.42	33.8	9.95	30.67	238	44	p	H
		5147.7	43.67	-10.33	54	30.26	34	10.06	30.65	238	44	v	H
	*	5300	107.17	-	-	93.27	34.2	10.21	30.51	238	44	p	H
		5300	100.13	-	-	86.23	34.2	10.21	30.51	238	44	v	H
802.11n		5352	51.76	-22.24	74	37.78	34.2	10.3	30.52	238	44	p	H
HT20		5368.32	44.55	-9.45	54	30.57	34.2	10.3	30.52	238	44	v	H
CH 60		5101.5	52.45	-21.55	74	39.09	33.9	10.02	30.56	233	1	p	V
5300MHz		5133.7	43.42	-10.58	54	29.99	33.97	10.06	30.6	233	1	v	V
	*	5300	103.01	-	-	89.11	34.2	10.21	30.51	233	1	p	V
		5300	96.13	-	-	82.23	34.2	10.21	30.51	233	1	v	V
		5353.2	50.39	-23.61	74	36.41	34.2	10.3	30.52	233	1	p	V
		5352.72	42.91	-11.09	54	28.93	34.2	10.3	30.52	233	1	v	V

802.11n HT20 CH 64 5320MHz	*	5320	106.51	-	-	92.56	34.2	10.26	30.51	242	38	p	H
		5320	99.18	-	-	85.23	34.2	10.26	30.51	242	38	v	H
		5371.36	53.88	-20.12	74	39.9	34.2	10.3	30.52	242	38	p	H
		5350.08	46.84	-7.16	54	32.86	34.2	10.3	30.52	242	38	v	H
	*	5320	104.31	-	-	90.36	34.2	10.26	30.51	236	3	p	V
		5320	97.07	-	-	83.12	34.2	10.26	30.51	236	3	v	V
		5352.48	57.9	-16.1	74	43.92	34.2	10.3	30.52	236	3	p	V
		5351.36	44.04	-9.96	54	30.06	34.2	10.3	30.52	236	3	v	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	48.95	-19.35	68.3	58.8	37.32	11.65	58.82	-	-	p	H
		15780	50.07	-23.93	74	54.15	40.32	14.78	59.18	-	-	p	H
		10520	53.27	-15.03	68.3	63.12	37.32	11.65	58.82	-	-	p	V
		15780	49.09	-24.91	74	53.17	40.32	14.78	59.18	-	-	p	V
802.11n HT20 CH 60 5300MHz		10600	48.24	-25.76	74	57.69	37.42	11.86	58.73	-	-	p	H
		15900	48.19	-25.81	74	52.21	40.42	14.86	59.3	-	-	p	H
		10600	53.9	-20.1	74	63.35	37.42	11.86	58.73	153	359	p	V
		10600	45.36	-8.64	54	54.81	37.42	11.86	58.73	153	359	v	V
		15900	47.94	-26.06	74	51.96	40.42	14.86	59.3	-	-	p	V
802.11n HT20 CH 64 5320MHz		10640	47.54	-26.46	74	56.93	37.47	11.83	58.69	-	-	p	H
		15960	48.77	-25.23	74	52.76	40.47	14.89	59.35	-	-	p	H
		10640	53.47	-20.53	74	62.86	37.47	11.83	58.69	163	354	p	V
		10640	44.73	-9.27	54	54.12	37.47	11.83	58.69	163	354	v	V
		15960	48.73	-25.27	74	52.72	40.47	14.89	59.35	-	-	p	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5131.6	52.61	-21.39	74	39.18	33.97	10.06	30.6	238	39	P	H
		5124.95	44.52	-9.48	54	31.09	33.97	10.06	30.6	238	39	V	H
	*	5270	103.66	-	-	89.98	34.13	10.17	30.62	238	39	P	H
		5270	95.82	-	-	82.14	34.13	10.17	30.62	238	39	V	H
802.11n		5366.64	50.5	-23.5	74	36.52	34.2	10.3	30.52	238	39	P	H
HT40		5350.56	43.92	-10.08	54	29.94	34.2	10.3	30.52	238	39	V	H
CH 54		5056.35	51.52	-22.48	74	38.33	33.83	9.99	30.63	230	2	P	V
5270MHz		5075.6	44.23	-9.77	54	30.93	33.87	10.02	30.59	230	2	V	V
	*	5270	99.91	-	-	86.23	34.13	10.17	30.62	230	2	P	V
		5270	92.92	-	-	79.24	34.13	10.17	30.62	230	2	V	V
		5452.08	50.66	-23.34	74	36.64	34.2	10.38	30.56	230	2	P	V
		5352.24	42.93	-11.07	54	28.95	34.2	10.3	30.52	230	2	V	V
		5119	51.94	-22.06	74	38.55	33.93	10.06	30.6	244	37	P	H
		5128.45	44.3	-9.7	54	30.87	33.97	10.06	30.6	244	37	V	H
	*	5310	103.4	-	-	89.45	34.2	10.26	30.51	244	37	P	H
		5310	96.08	-	-	82.13	34.2	10.26	30.51	244	37	V	H
802.11n		5351.04	53.27	-20.73	74	39.29	34.2	10.3	30.52	244	37	P	H
HT40		5350.08	50.25	-3.75	54	36.27	34.2	10.3	30.52	244	37	V	H
CH 62		5060.2	51.51	-22.49	74	38.32	33.83	9.99	30.63	224	1	P	V
5310MHz		5122.15	44	-10	54	30.61	33.93	10.06	30.6	224	1	V	V
	*	5310	100.16	-	-	86.21	34.2	10.26	30.51	224	1	P	V
		5310	93.19	-	-	79.24	34.2	10.26	30.51	224	1	V	V
		5362.8	56.12	-17.88	74	42.14	34.2	10.3	30.52	224	1	P	V
		5350.08	48.06	-5.94	54	34.08	34.2	10.3	30.52	224	1	V	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

U-NII-2A 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	48.38	-19.92	68.3	58.15	37.34	11.69	58.8	-	-	P	H
		15810	48.66	-25.34	74	52.7	40.35	14.81	59.2	-	-	P	H
		10540	51.61	-16.69	68.3	61.38	37.34	11.69	58.8	-	-	P	V
		15810	49.05	-24.95	74	53.09	40.35	14.81	59.2	-	-		V
802.11n HT40 CH 62 5310MHz		10620	47.06	-26.94	74	56.48	37.44	11.85	58.71	-	-	P	H
		15930	48.76	-25.24	74	52.77	40.44	14.88	59.33	-	-	P	H
		10620	51.7	-22.3	74	61.12	37.44	11.85	58.71	163	353	P	V
		10620	42.83	-11.17	54	52.25	37.44	11.85	58.71	163	353	V	V
		15930	48.62	-25.38	74	52.63	40.44	14.88	59.33	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5125.3	52.88	-21.12	74	39.45	33.97	10.06	30.6	244	41	P	H
		5128.8	46.22	-7.78	54	32.79	33.97	10.06	30.6	244	41	V	H
		5290	99.61	-	-	85.8	34.17	10.21	30.57	244	41	P	H
		5290	91.94	-	-	78.13	34.17	10.21	30.57	244	41	V	H
		5356.8	54.74	-19.26	74	40.76	34.2	10.3	30.52	244	41	P	H
		5350.32	50.21	-3.79	54	36.23	34.2	10.3	30.52	244	41	V	H
		5083.65	52.16	-21.84	74	38.86	33.87	10.02	30.59	231	2	P	V
		5067.55	45.65	-8.35	54	32.42	33.83	9.99	30.59	231	2	V	V
		5290	95.86	-	-	82.05	34.17	10.21	30.57	231	2	P	V
		5290	89.08	-	-	75.27	34.17	10.21	30.57	231	2	V	V
		5358	52.25	-21.75	74	38.27	34.2	10.3	30.52	231	2	P	V
		5354.64	46.8	-7.2	54	32.82	34.2	10.3	30.52	231	2	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2A 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		10580	48.31	-19.99	68.3	57.84	37.4	11.82	58.75	-	-	-	H
VHT80		15870	48.62	-25.38	74	52.64	40.4	14.85	59.27	-	-	-	H
CH 58		10580	48.43	-19.87	68.3	57.96	37.4	11.82	58.75	-	-	-	V
5290MHz		15870	49.11	-24.89	74	53.13	40.4	14.85	59.27	-	-	-	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5455.28	53.8	-20.2	74	39.78	34.2	10.38	30.56	222	50	P	H
		5467.6	59.4	-8.9	68.3	45.33	34.2	10.43	30.56	222	50	P	H
		5459.76	45.96	-8.04	54	31.94	34.2	10.38	30.56	222	50	V	H
	*	5500	108.26	-	-	94.21	34.2	10.43	30.58	222	50	P	H
		5500	100.38	-	-	86.33	34.2	10.43	30.58	222	50	V	H
		5459.44	52.31	-21.69	74	38.29	34.2	10.38	30.56	104	154	P	V
		5468.08	54.98	-13.32	68.3	40.91	34.2	10.43	30.56	104	154	P	V
		5458	43.89	-10.11	54	29.87	34.2	10.38	30.56	104	154	V	V
	*	5500	104.87	-	-	90.82	34.2	10.43	30.58	104	154	P	V
		5500	96.33	-	-	82.28	34.2	10.43	30.58	104	154	V	V
802.11a CH 116 5580MHz		5381.92	50.98	-23.02	74	37.01	34.2	10.3	30.53	258	46	P	H
		5469.04	49.4	-18.9	68.3	35.33	34.2	10.43	30.56	258	46	P	H
		5448.64	42.77	-11.23	54	28.74	34.2	10.38	30.55	258	46	V	H
	*	5580	107.95	-	-	93.55	34.23	10.52	30.35	258	46	P	H
		5580	100.52	-	-	86.12	34.23	10.52	30.35	258	46	V	H
		5764.055	52.96	-15.34	68.3	38.11	34.63	10.62	30.4	258	46	P	H
		5449.6	50.71	-23.29	74	36.68	34.2	10.38	30.55	178	3	P	V
		5467.84	49.43	-18.87	68.3	35.36	34.2	10.43	30.56	178	3	P	V
		5454.16	42.27	-11.73	54	28.25	34.2	10.38	30.56	178	3	V	V
	*	5580	103.84	-	-	89.44	34.23	10.52	30.35	178	3	P	V
		5580	96.55	-	-	82.15	34.23	10.52	30.35	178	3	V	V
		5747.99	53.81	-14.49	68.3	39.03	34.6	10.62	30.44	178	3	P	V

802.11a CH 140 5700MHz	*	5700	109.18	-	-	94.89	34.5	10.32	30.53	220	53	P	H
		5700	101.52	-	-	87.23	34.5	10.32	30.53	220	53	V	H
		5729	59.16	-9.14	68.3	44.64	34.57	10.44	30.49	220	53	P	H
	*	5700	103.59	-	-	89.3	34.5	10.32	30.53	121	165	P	V
		5700	96.42	-	-	82.13	34.5	10.32	30.53	121	165	V	V
		5726.68	62.16	-6.14	68.3	47.64	34.57	10.44	30.49	121	165	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.08	-25.92	74	56.47	37.9	12.01	58.3	-	-	P	H
		16500	50.38	-17.92	68.3	52.38	41.57	15.27	58.84	-	-	P	H
		11000	53.84	-20.16	74	62.23	37.9	12.01	58.3	165	359	P	V
		11000	44.76	-9.24	54	53.15	37.9	12.01	58.3	165	359	V	V
		16500	49.06	-19.24	68.3	51.06	41.57	15.27	58.84	-	-	P	V
802.11a CH 116 5580MHz		11160	49.94	-24.06	74	57.9	38.05	12.1	58.11	-	-	P	H
		16740	49.55	-18.75	68.3	50.65	42.07	15.41	58.58	-	-	P	H
		11160	55.16	-18.84	74	63.12	38.05	12.1	58.11	169	357	P	V
		11160	46.47	-7.53	54	54.43	38.05	12.1	58.11	169	357	V	V
		16740	49.03	-19.27	68.3	50.13	42.07	15.41	58.58	-	-	P	V
802.11a CH 140 5700MHz		11400	55.81	-18.19	74	63.2	38.27	12.19	57.85	104	301	P	H
		11400	46.75	-7.25	54	54.14	38.27	12.19	57.85	104	301	V	H
		17100	50.14	-18.16	68.3	50.39	42.46	15.45	58.16	-	-	P	H
		11400	53.85	-20.15	74	61.24	38.27	12.19	57.85	104	248	P	V
		11400	44.79	-9.21	54	52.18	38.27	12.19	57.85	104	248	V	V
		17100	49.37	-18.93	68.3	49.62	42.46	15.45	58.16	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.28	58.13	-15.87	74	44.59	34.2	9.9	30.56	320	55	P	H
		5465.04	62.33	-5.97	68.3	48.77	34.2	9.92	30.56	320	55	P	H
		5458.96	44.13	-9.87	54	30.59	34.2	9.9	30.56	320	55	V	H
802.11n	*	5500	107.33	-	-	93.74	34.2	9.97	30.58	320	55	P	H
HT20		5500	98.92	-	-	85.33	34.2	9.97	30.58	320	55	V	H
CH 100		5457.52	57.16	-16.84	74	43.62	34.2	9.9	30.56	104	165	P	V
5500MHz		5466.32	61.79	-6.51	68.3	48.23	34.2	9.92	30.56	104	165	P	V
		5457.2	43.95	-10.05	54	30.41	34.2	9.9	30.56	104	165	V	V
	*	5500	104.22	-	-	90.63	34.2	9.97	30.58	104	165	P	V
		5500	97.7	-	-	84.11	34.2	9.97	30.58	104	165	V	V
		5378.32	50.78	-23.22	74	36.81	34.2	10.3	30.53	225	63	P	H
		5465.2	50.19	-18.11	68.3	36.17	34.2	10.38	30.56	225	63	P	H
		5459.68	43.01	-10.99	54	28.99	34.2	10.38	30.56	225	63	V	H
	*	5580	107.46	-	-	93.06	34.23	10.52	30.35	225	63	P	H
802.11n		5580	100.64	-	-	86.24	34.23	10.52	30.35	225	63	V	H
HT20		5754.605	53.02	-15.28	68.3	38.21	34.63	10.62	30.44	225	63	P	H
CH 116		5425.12	50.29	-23.71	74	36.3	34.2	10.34	30.55	224	5	P	V
5580MHz		5461.6	48.59	-19.71	68.3	34.57	34.2	10.38	30.56	224	5	P	V
		5458.96	42.44	-11.56	54	28.42	34.2	10.38	30.56	224	5	V	V
	*	5580	105.08	-	-	90.68	34.23	10.52	30.35	224	5	P	V
		5580	97.56	-	-	83.16	34.23	10.52	30.35	224	5	V	V
		5763.74	51.69	-16.61	68.3	36.84	34.63	10.62	30.4	224	5	P	V

802.11n HT20 CH 140 5700MHz	*	5700	106.27	-	-	91.98	34.5	10.32	30.53	311	46	P	H
		5700	99.23	-	-	84.94	34.5	10.32	30.53	311	46	P	H
		5725.56	64.83	-3.47	68.3	50.31	34.57	10.44	30.49	311	46	V	H
	*	5700	104.75	-	-	90.46	34.5	10.32	30.53	110	159	P	V
		5700	98.54	-	-	84.25	34.5	10.32	30.53	110	159	P	V
		5725.24	65.27	-3.03	68.3	50.75	34.57	10.44	30.49	110	159	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	48.34	-25.66	74	56.73	37.9	12.01	58.3	-	-	P	H
		16500	49.9	-18.4	68.3	51.9	41.57	15.27	58.84	-	-	P	H
		11000	55.37	-18.63	74	63.76	37.9	12.01	58.3	165	359	P	V
		11000	45.5	-8.5	54	53.89	37.9	12.01	58.3	165	359	V	V
		16500	49.24	-19.06	68.3	51.24	41.57	15.27	58.84	-	-	P	V
802.11n HT20 CH 116 5580MHz		11160	54.28	-19.72	74	62.24	38.05	12.1	58.11	172	300	P	H
		11160	44.16	-9.84	54	52.12	38.05	12.1	58.11	172	300	V	H
		16740	50.29	-18.01	68.3	51.39	42.07	15.41	58.58	-	-	P	H
		11160	55.14	-18.86	74	63.1	38.05	12.1	58.11	164	360	P	V
		11160	45.89	-8.11	54	53.85	38.05	12.1	58.11	164	360	V	V
		16740	49.04	-19.26	68.3	50.14	42.07	15.41	58.58	-	-	P	V
802.11n HT20 CH 140 5700MHz		11400	50.28	-23.72	74	57.67	38.27	12.19	57.85	-	-	P	H
		17100	50.54	-17.76	68.3	50.79	42.46	15.45	58.16	-	-	P	H
		11400	51.71	-22.29	74	59.1	38.27	12.19	57.85	135	352	P	V
		11400	43.38	-10.62	54	50.77	38.27	12.19	57.85	135	352	V	V
		17100	50.49	-17.81	68.3	50.74	42.46	15.45	58.16	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5454.64	59.73	-14.27	74	46.19	34.2	9.9	30.56	320	54	P	H
		5470	64.56	-3.74	68.3	51	34.2	9.92	30.56	320	54	P	H
		5459.68	46.03	-7.97	54	32.49	34.2	9.9	30.56	320	54	V	H
	*	5510	102.71	-	-	89.06	34.2	9.97	30.52	320	54	P	H
802.11n		5510	94.73	-	-	81.08	34.2	9.97	30.52	320	54	V	H
HT40		5730.665	54.4	-13.9	68.3	39.83	34.57	10.44	30.44	320	54	P	H
CH 102		5457.52	60.3	-13.7	74	46.76	34.2	9.9	30.56	104	165	P	V
5510MHz		5469.28	63.8	-4.5	68.3	50.24	34.2	9.92	30.56	104	165	P	V
		5457.76	46.2	-7.8	54	32.66	34.2	9.9	30.56	104	165	V	V
	*	5510	102.56	-	-	88.91	34.2	9.97	30.52	104	165	P	V
		5510	94.84	-	-	81.19	34.2	9.97	30.52	104	165	V	V
		5762.165	54.26	-14.04	68.3	39.48	34.63	10.55	30.4	104	165	P	V
		5458	51.29	-22.71	74	37.27	34.2	10.38	30.56	238	66	P	H
		5466.64	51.1	-17.2	68.3	37.03	34.2	10.43	30.56	238	66	P	H
		5459.92	44.21	-9.79	54	30.19	34.2	10.38	30.56	238	66	V	H
	*	5550	102.96	-	-	88.71	34.2	10.52	30.47	238	66	P	H
802.11n		5550	95.51	-	-	81.26	34.2	10.52	30.47	238	66	V	H
HT40		5747.675	51.6	-16.7	68.3	36.82	34.6	10.62	30.44	238	66	P	H
CH 110		5392.96	50.28	-23.72	74	36.27	34.2	10.34	30.53	240	9	P	V
5550MHz		5465.44	49.51	-18.79	68.3	35.49	34.2	10.38	30.56	240	9	P	V
		5459.92	43.49	-10.51	54	29.47	34.2	10.38	30.56	240	9	V	V
	*	5550	101.87	-	-	87.62	34.2	10.52	30.47	240	9	P	V
		5550	94.46	-	-	80.21	34.2	10.52	30.47	240	9	V	V
		5748.935	51.63	-16.67	68.3	36.85	34.6	10.62	30.44	240	9	P	V

		5412.3	52.17	-21.83	74	38.66	34.2	9.84	30.53	225	49	P	H
		5465.85	52.47	-15.83	68.3	38.91	34.2	9.92	30.56	225	49	P	H
		5416.85	42.68	-11.32	54	29.17	34.2	9.84	30.53	225	49	V	H
	*	5670	102.94	-	-	88.71	34.4	10.32	30.49	225	49	P	H
802.11n		5670	96.11	-	-	81.88	34.4	10.32	30.49	225	49	V	H
HT40		5725.1	62.14	-6.16	68.3	47.62	34.57	10.44	30.49	225	49	P	H
CH 134		5442.05	51.48	-22.52	74	37.96	34.2	9.87	30.55	104	157	P	V
5670MHz		5462.35	50.84	-17.46	68.3	37.3	34.2	9.9	30.56	104	157	P	V
		5447.3	42.56	-11.44	54	29.01	34.2	9.9	30.55	104	157	V	V
	*	5670	99.94	-	-	85.71	34.4	10.32	30.49	104	157	P	V
		5670	91.79	-	-	77.56	34.4	10.32	30.49	104	157	V	V
		5725.45	62.42	-5.88	68.3	47.9	34.57	10.44	30.49	104	157	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

U-NII-2C - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	47.59	-26.41	74	55.91	37.92	12.04	58.28	-	-	P	H
		16530	48.73	-19.57	68.3	50.63	41.64	15.26	58.8	-	-	P	H
		11020	52.42	-21.58	74	60.74	37.92	12.04	58.28	162	359	P	V
		11020	42.91	-11.09	54	51.23	37.92	12.04	58.28	162	359	V	V
		16530	49.52	-18.78	68.3	51.42	41.64	15.26	58.8	-	-	P	V
802.11n HT40 CH 110 5550MHz		11100	48.53	-25.47	74	56.56	37.99	12.17	58.19	-	-	P	H
		16650	48.4	-19.9	68.3	49.9	41.89	15.28	58.67	-	-	P	H
		11100	49.15	-24.85	74	57.18	37.99	12.17	58.19	-	-	P	V
		16650	48.77	-19.53	68.3	50.27	41.89	15.28	58.67	-	-	P	V
802.11n HT40 CH 134 5670MHz		11340	49.35	-24.65	74	56.73	38.21	12.34	57.93	-	-	P	H
		17010	50.14	-18.16	68.3	50.25	42.58	15.59	58.28	-	-	P	H
		11340	49.56	-24.44	74	56.94	38.21	12.34	57.93	-	-	P	V
		17010	50.17	-18.13	68.3	50.28	42.58	15.59	58.28	-	-	P	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

U-NII-2C - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5450.8	54.7	-19.3	74	40.68	34.2	10.38	30.56	224	61	P	H
		5462.08	55.15	-13.15	68.3	41.13	34.2	10.38	30.56	224	61	P	H
		5458.48	50.53	-3.47	54	36.51	34.2	10.38	30.56	224	61	V	H
		5530	99.96	-	-	85.76	34.2	10.47	30.47	224	61	P	H
		5530	92.33	-	-	78.13	34.2	10.47	30.47	224	61	V	H
		5754.605	51.91	-16.39	68.3	37.1	34.63	10.62	30.44	224	61	P	H
		5458.96	52.57	-21.43	74	38.55	34.2	10.38	30.56	233	5	P	V
		5469.76	52.38	-15.92	68.3	38.31	34.2	10.43	30.56	233	5	P	V
		5458.24	47.45	-6.55	54	33.43	34.2	10.38	30.56	233	5	V	V
		5530	96.78	-	-	82.58	34.2	10.47	30.47	233	5	P	V
		5530	89.44	-	-	75.24	34.2	10.47	30.47	233	5	V	V
		5736.965	50.93	-17.37	68.3	36.16	34.6	10.61	30.44	233	5	P	V
802.11ac VHT80 CH 122 5610MHz		5442.16	52.53	-21.47	74	39.01	34.2	9.87	30.55	304	54	P	H
		5469.76	53.15	-15.15	68.3	39.59	34.2	9.92	30.56	304	54	P	H
		5428	44.14	-9.86	54	30.65	34.2	9.84	30.55	304	54	V	H
		5610	99.91	-	-	85.68	34.3	10.33	30.4	304	54	P	H
		5610	91.57	-	-	77.34	34.3	10.33	30.4	304	54	V	H
		5729.125	60.28	-8.02	68.3	45.76	34.57	10.44	30.49	304	54	P	H
		5410.72	52.08	-21.92	74	38.59	34.2	9.82	30.53	104	165	P	V
		5468.56	51.96	-16.34	68.3	38.4	34.2	9.92	30.56	104	165	P	V
		5456.56	44.2	-9.8	54	30.66	34.2	9.9	30.56	104	165	V	V
		5610	100.34	-	-	86.11	34.3	10.33	30.4	104	165	P	V
		5610	93.46	-	-	79.23	34.3	10.33	30.4	104	165	V	V
		5737.7	59.12	-9.18	68.3	44.47	34.6	10.49	30.44	104	165	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11060	47.9	-26.1	74	56.05	37.96	12.12	58.23	-	-	P	H
VHT80		16590	48.85	-19.45	68.3	50.6	41.75	15.25	58.75	-	-	P	H
CH 106		11060	48.28	-25.72	74	56.43	37.96	12.12	58.23	-	-	P	V
5530MHz		16590	49.45	-18.85	68.3	51.2	41.75	15.25	58.75	-	-	P	V
802.11ac		11220	48.65	-25.35	74	56.49	38.1	12.12	58.06	-	-	P	H
VHT80		16830	49.34	-18.96	68.3	50.08	42.24	15.51	58.49	-	-	P	H
CH 122		11220	49.46	-24.54	74	57.3	38.1	12.12	58.06	-	-	P	V
5610MHz		16830	50.37	-17.93	68.3	51.11	42.24	15.51	58.49	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5417.65	50.01	-23.99	74	36	34.2	10.34	30.53	222	58	P	H
		5462.2	50.76	-17.54	68.3	36.74	34.2	10.38	30.56	222	58	P	H
		5720	106.81	-	-	92.12	34.57	10.61	30.49	222	58	P	H
		5863.15	53.44	-14.86	68.3	38.33	34.93	10.71	30.53	222	58	P	H
		5452.85	42.22	-11.78	54	28.2	34.2	10.38	30.56	222	58	P	H
		5720.7	100.27	-	-	85.58	34.57	10.61	30.49	222	58	V	H
		5382.45	49.59	-24.41	74	35.62	34.2	10.3	30.53	250	13	P	V
		5468.25	50.36	-17.94	68.3	36.29	34.2	10.43	30.56	250	13	P	V
		5720	101.57	-	-	86.88	34.57	10.61	30.49	250	13	P	V
		5856	52.3	-16	68.3	37.14	34.93	10.71	30.48	250	13	P	V
		5458.9	42.18	-11.82	54	28.16	34.2	10.38	30.56	250	13	P	V
		5720	95.37	-	-	80.68	34.57	10.61	30.49	250	13	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	55.59	-18.41	74	62.87	38.3	12.24	57.82	105	289	P	H
		11440	46.87	-7.13	54	54.15	38.3	12.24	57.82	105	289	V	H
		17160	49.64	-18.66	68.3	49.76	42.36	15.58	58.06	-	-	P	H
		11440	53.84	-20.16	74	61.12	38.3	12.24	57.82	104	252	P	V
		11440	45.06	-8.94	54	52.34	38.3	12.24	57.82	104	252	V	V
		17160	50.23	-18.07	68.3	50.35	42.36	15.58	58.06	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5394	50.89	-23.11	74	36.88	34.2	10.34	30.53	236	65	P	H
		5462.2	48.84	-19.46	68.3	34.82	34.2	10.38	30.56	236	65	P	H
		5720	105.94	-	-	91.25	34.57	10.61	30.49	236	65	P	H
		5851.05	52.96	-15.34	68.3	37.86	34.9	10.68	30.48	236	65	P	H
		5450.1	42.39	-11.61	54	28.37	34.2	10.38	30.56	236	65	P	H
		5720	99.49	-	-	84.8	34.57	10.61	30.49	236	65	V	H
		5450.65	50.41	-23.59	74	36.39	34.2	10.38	30.56	239	4	P	V
		5461.65	50.93	-17.37	68.3	36.91	34.2	10.38	30.56	239	4	P	V
		5720	100.96	-	-	86.27	34.57	10.61	30.49	239	4	P	V
		5884.05	53.61	-14.69	68.3	38.52	34.97	10.71	30.59	239	4	P	V
		5455.6	42.12	-11.88	54	28.1	34.2	10.38	30.56	239	4	P	V
		5720	94.65	-	-	79.96	34.57	10.61	30.49	239	4	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	50.01	-23.99	74	57.29	38.3	12.24	57.82	-	-	P	H
		17160	50.58	-17.72	68.3	50.7	42.36	15.58	58.06	-	-	P	H
		11440	54.89	-19.11	74	62.17	38.3	12.24	57.82	104	249	P	V
		11440	45.18	-8.82	54	52.46	38.3	12.24	57.82	104	249	V	V
		17160	49.4	-18.9	68.3	49.52	42.36	15.58	58.06	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5372	51.75	-22.25	74	37.77	34.2	10.3	30.52	265	62	P	H
		5460.55	50.82	-17.48	68.3	36.8	34.2	10.38	30.56	265	62	P	H
		5710	103.75	-	-	89.1	34.53	10.61	30.49	265	62	P	H
		5879.1	53.71	-14.59	68.3	38.56	34.97	10.71	30.53	265	62	P	H
		5458.9	42.77	-11.23	54	28.75	34.2	10.38	30.56	265	62	P	H
		5710	95.88	-	-	81.23	34.53	10.61	30.49	265	62	V	H
		5428.1	51.68	-22.32	74	37.65	34.2	10.38	30.55	254	11	P	V
		5462.2	50.82	-17.48	68.3	36.8	34.2	10.38	30.56	254	11	P	V
		5710	100.22	-	-	85.57	34.53	10.61	30.49	254	11	P	V
		5898.9	54.11	-14.19	68.3	38.95	35	10.75	30.59	254	11	P	V
		5456.7	42.9	-11.1	54	28.88	34.2	10.38	30.56	254	11	P	V
		5710	93.1	-	-	78.45	34.53	10.61	30.49	254	11	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11420	48.4	-25.6	74	55.73	38.28	12.22	57.83	-	-	P	H
HT40		17130	49.89	-18.41	68.3	50.08	42.41	15.51	58.11	-	-	P	H
CH 142		11420	50.27	-23.73	74	57.6	38.28	12.22	57.83	-	-	P	V
5710MHz		17130	50.26	-18.04	68.3	50.45	42.41	15.51	58.11	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5423.15	50.41	-23.59	74	36.4	34.2	10.34	30.53	239	48	P	H
		5466.6	50.88	-17.42	68.3	36.81	34.2	10.43	30.56	239	48	P	H
		5690	97.68	-	-	83.12	34.5	10.59	30.53	239	48	P	H
		5853.8	51.66	-16.64	68.3	36.53	34.93	10.68	30.48	239	48	P	H
		5434.15	44.46	-9.54	54	30.43	34.2	10.38	30.55	239	48	P	H
		5690	91.47	-	-	76.91	34.5	10.59	30.53	239	48	V	H
		5354.4	50.68	-23.32	74	36.7	34.2	10.3	30.52	248	9	P	V
		5468.8	49.16	-19.14	68.3	35.09	34.2	10.43	30.56	248	9	P	V
		5690	95.33	-	-	80.77	34.5	10.59	30.53	248	9	P	V
		5852.15	51.98	-16.32	68.3	36.88	34.9	10.68	30.48	248	9	P	V
		5409.4	44.09	-9.91	54	30.08	34.2	10.34	30.53	248	9	P	V
		5690	88.65	-	-	74.09	34.5	10.59	30.53	248	9	V	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11380	49.49	-24.51	74	56.88	38.25	12.23	57.87	-	-	P	H
VHT80		17070	50.7	-17.6	68.3	50.89	42.51	15.51	58.21	-	-	P	H
CH 138		11380	49.4	-24.6	74	56.79	38.25	12.23	57.87	-	-	P	V
5690MHz		17070	50.81	-17.49	68.3	51	42.51	15.51	58.21	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		91.11	27.19	-16.31	43.5	43.33	15	0.96	32.1	-	-	P	H
		163.86	22.98	-20.52	43.5	37.64	16.2	1.31	32.17	-	-	P	H
		290.93	24.07	-21.93	46	34.9	19.12	1.77	31.72	-	-	P	H
		564.47	29.17	-16.83	46	31.02	26.5	2.49	30.84	-	-	P	H
		747.8	31.03	-14.97	46	31.02	28.26	2.85	31.1	-	-	P	H
		940.83	32.76	-13.24	46	30.68	30.36	3.22	31.5	-	-	P	H
		33.88	33.23	-6.77	40	41.97	23.1	0.56	32.4	-	-	P	V
		151.25	20.27	-23.23	43.5	34.1	17.1	1.26	32.19	-	-	P	V
		412.18	23.86	-22.14	46	30.64	22.48	2.12	31.38	-	-	P	V
		585.81	29.27	-16.73	46	31.52	25.98	2.53	30.76	-	-	P	V
		724.52	31.55	-14.45	46	32.2	27.5	2.8	30.95	-	-	P	V
		964.11	32.43	-21.57	54	29.25	31.28	3.25	31.35	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

For Co-location:

U-NII-2C - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH140 5700MHz – BLE CH19		5700	107.7	-	-	93.41	34.5	10.32	30.53	284	53	P	H
		5700	100.52	-	-	86.23	34.5	10.32	30.53	284	53	A	H
	*	5727.08	62.41	-5.89	68.3	47.89	34.57	10.44	30.49	284	53	P	H
		5700	105.11	-	-	90.82	34.5	10.32	30.53	104	158	P	V
		5700	97.55	-	-	83.26	34.5	10.32	30.53	104	158	A	V
	*	5730.6	60.54	-7.76	68.3	45.97	34.57	10.44	30.44	104	158	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH140 5700MHz – BLE CH19		2377.76	51.56	-22.44	74	46.58	31.7	5.53	32.25	104	307	P	H
		2387.7	41.94	-12.06	54	36.94	31.7	5.55	32.25	104	307	A	H
	*	2440	97.26	-	-	91.79	32	5.61	32.14	104	307	P	H
		2440	96.48	-	-	91.01	32	5.61	32.14	104	307	A	H
		2496.15	52.12	-21.88	74	46.19	32.1	5.68	31.85	104	307	P	H
		2497.41	42.71	-11.29	54	36.78	32.1	5.68	31.85	104	307	A	H
		2353.96	50.36	-23.64	74	45.41	31.7	5.51	32.26	104	246	P	V
		2387.98	41.59	-12.41	54	36.59	31.7	5.55	32.25	104	246	A	V
	*	2440	96.07	-	-	90.6	32	5.61	32.14	104	246	P	V
		2440	95.29	-	-	89.82	32	5.61	32.14	104	246	A	V
		2486.91	51.65	-22.35	74	45.87	32.07	5.66	31.95	104	246	P	V
		2491.88	42.65	-11.35	54	36.72	32.1	5.68	31.85	104	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII-2C - 5470~5725MHz

WIFI 802.11n HT20 *(Harmonic @ 3m)*

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH140 5700MHz – BLE CH19		4880	49.12	-24.88	74	37.57	33.73	8.79	30.97	-	-	P	H
		7320	44.28	-29.72	74	56.38	35.73	11.09	58.92	-	-	P	H
		11400	49.24	-24.76	74	56.63	38.27	12.19	57.85	-	-	P	H
		17100	53.44	-14.86	68.3	53.69	42.46	15.45	58.16	-	-	P	H
		4880	50.34	-23.66	74	38.79	33.73	8.79	30.97	-	-	P	V
		7320	43.86	-30.14	74	55.96	35.73	11.09	58.92	-	-	P	V
		11400	48.87	-25.13	74	56.26	38.27	12.19	57.85	-	-	P	V
		17100	51.91	-16.39	68.3	52.16	42.46	15.45	58.16	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

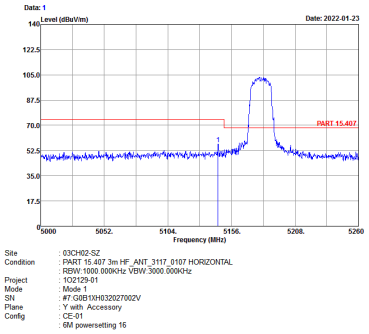
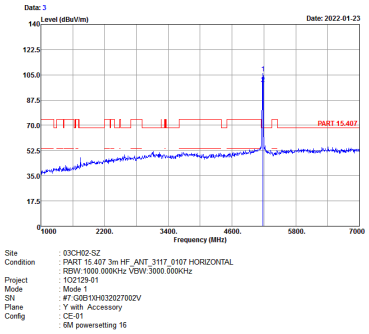
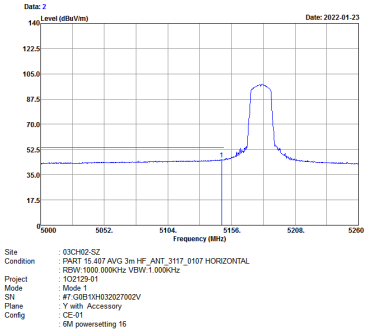
Appendix D. Radiated Spurious Emission

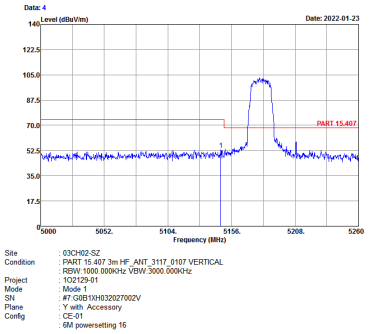
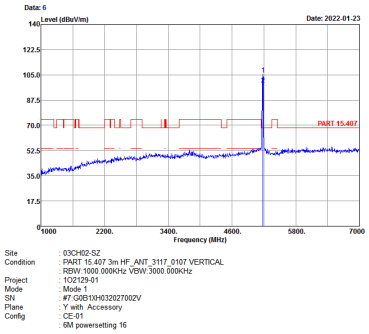
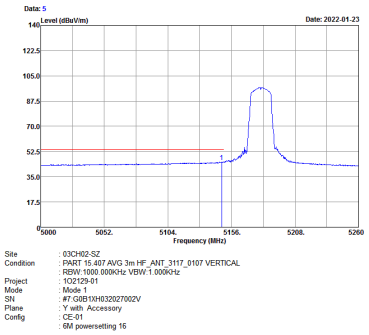
Note symbol

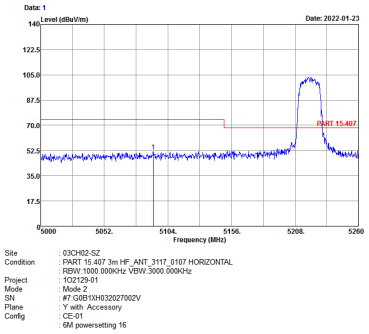
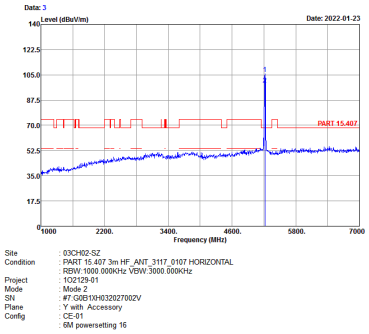
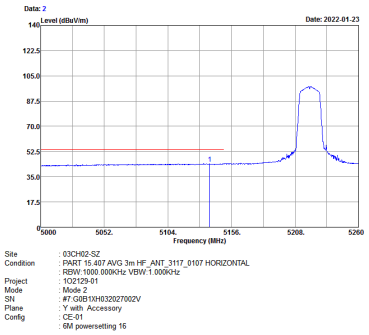
-L	**Low channel location**
-R	**High channel location**

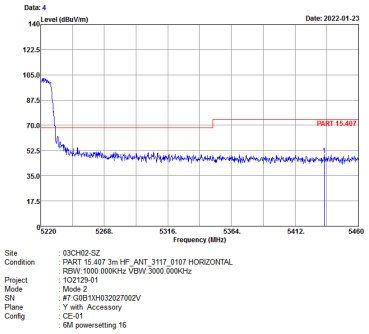
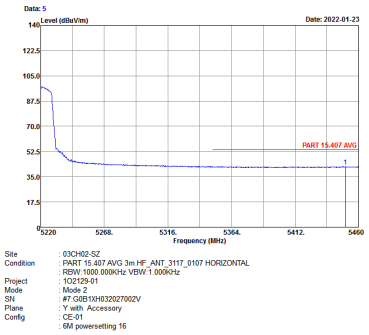
U-NII-1 - 5150~5250MHz

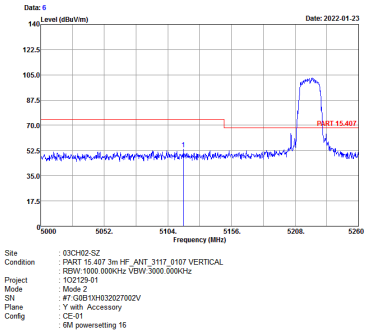
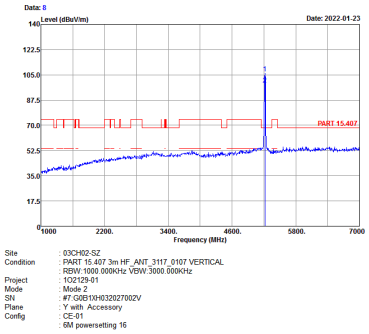
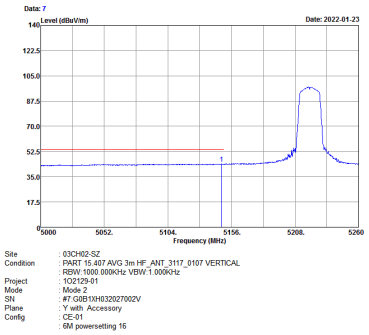
WIFI 802.11a (Band Edge @ 3m)

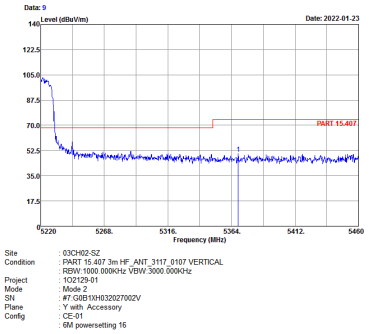
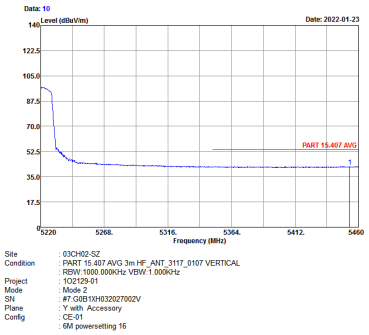
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

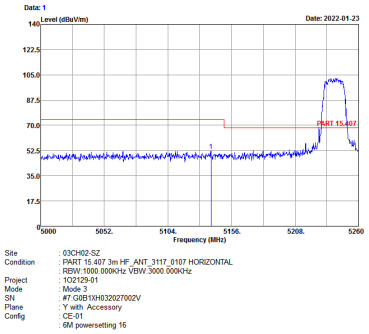
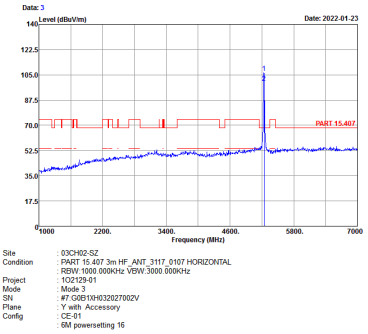
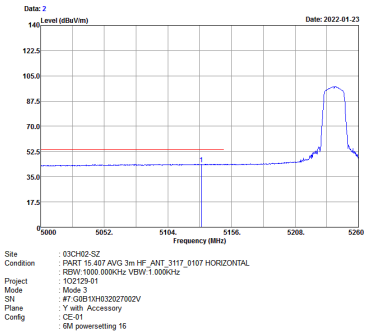
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

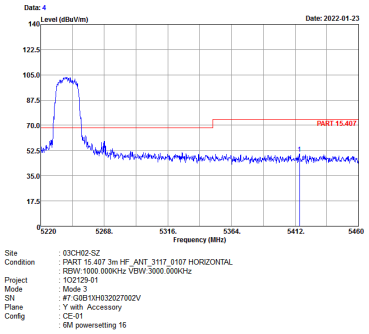
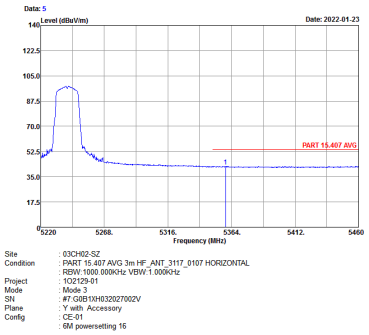
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

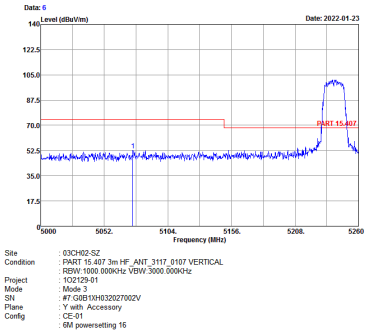
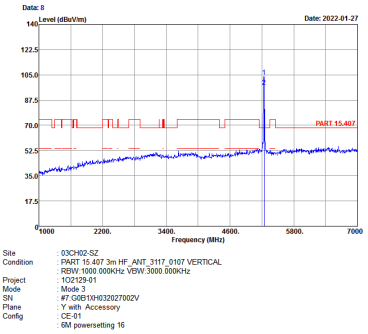
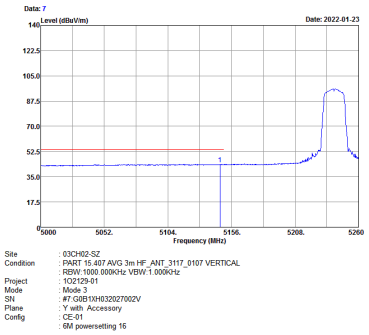
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

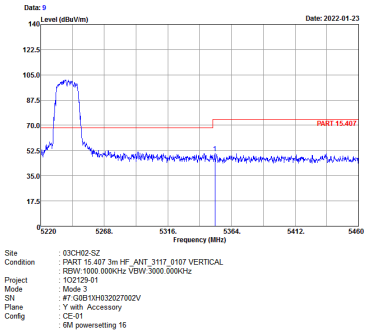
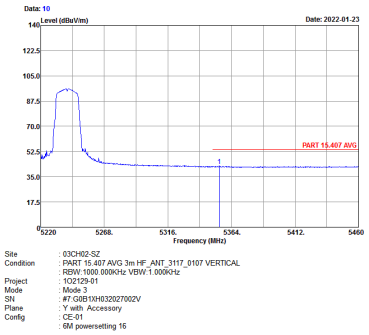
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

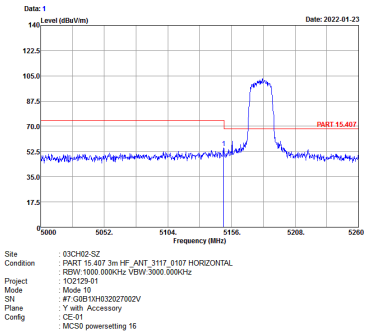
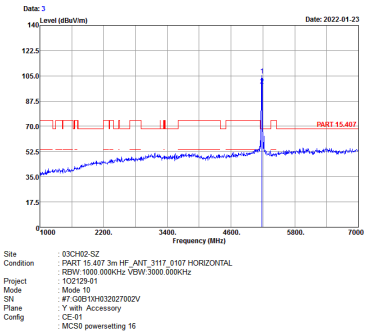
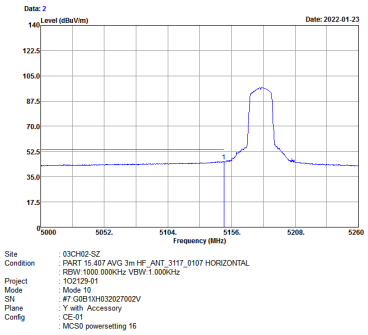
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 1O2129-01 Mode : Mode 3 SN : #7:G0B1XH032027002V Plane : Y with Accessory Config : CE-01 : 6M powersetting 16	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 1O2129-01 Mode : Mode 3 SN : #7:G0B1XH032027002V Plane : Y with Accessory Config : CE-01 : 6M powersetting 16
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz Project : 1O2129-01 Mode : Mode 3 SN : #7:G0B1XH032027002V Plane : Y with Accessory Config : CE-01 : 6M powersetting 16	Left blank

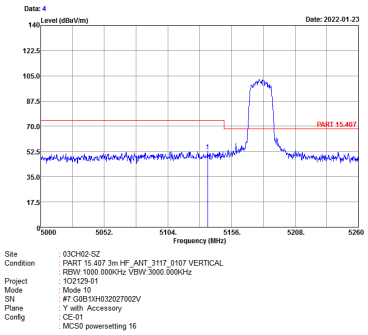
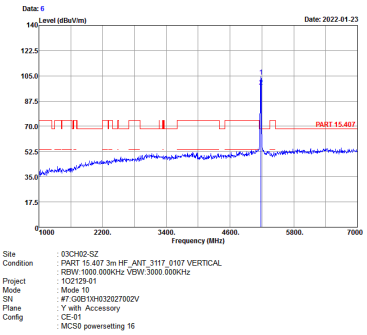
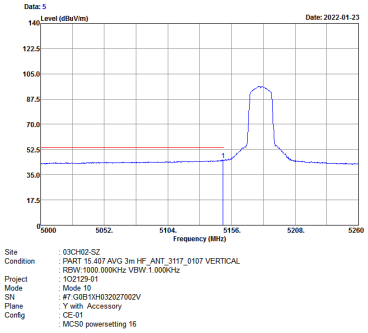
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

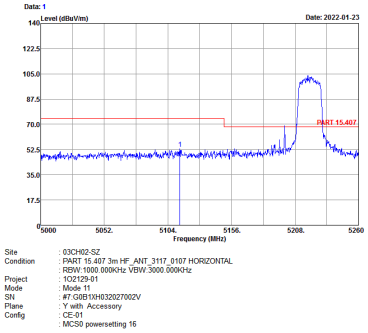
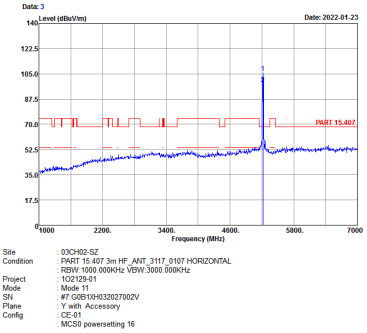
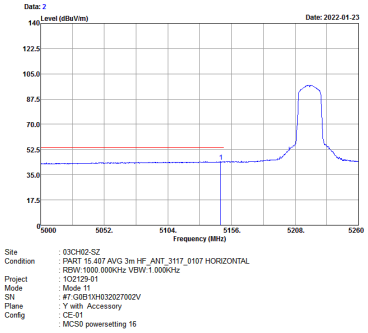
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

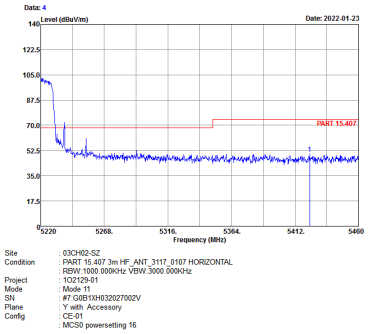
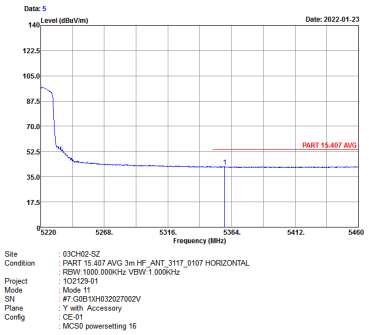
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

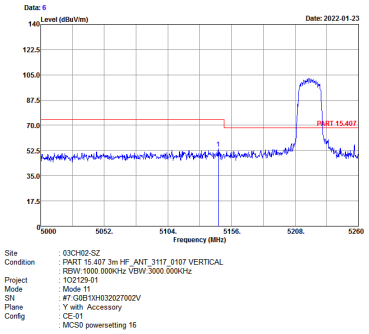
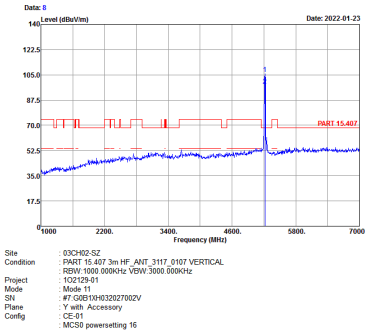
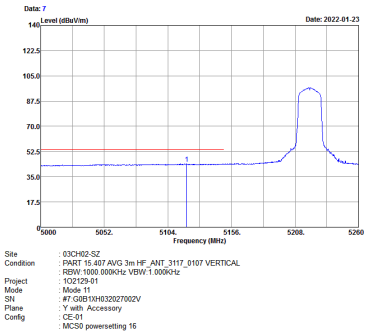
U-NII-1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

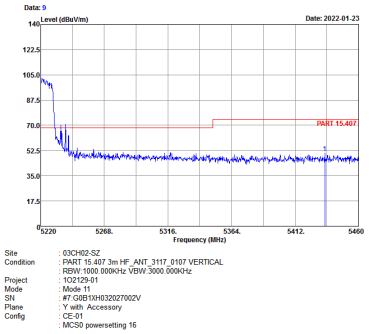
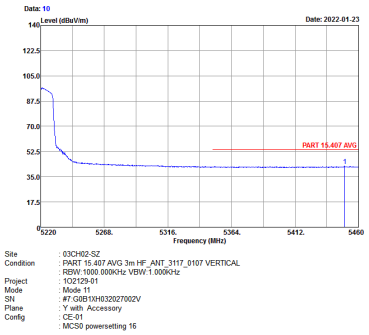
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

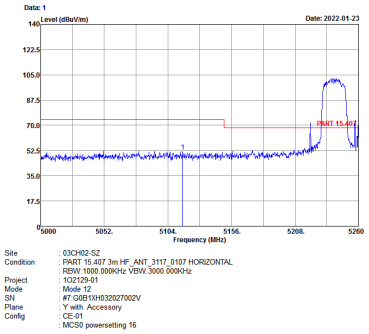
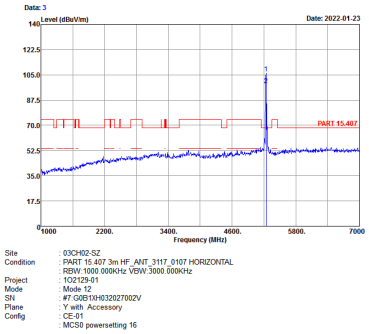
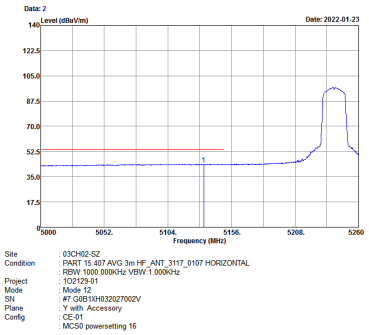
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

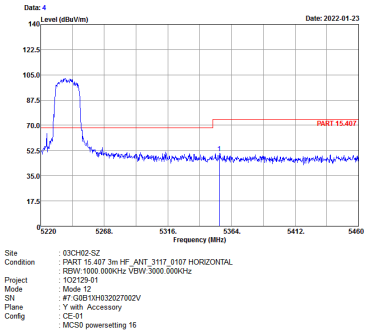
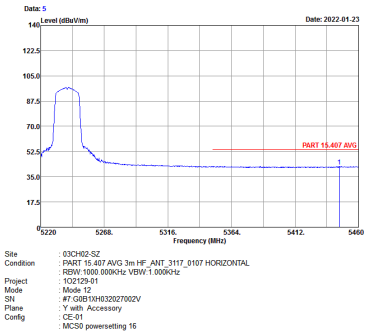
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

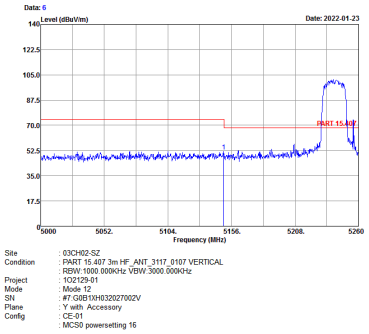
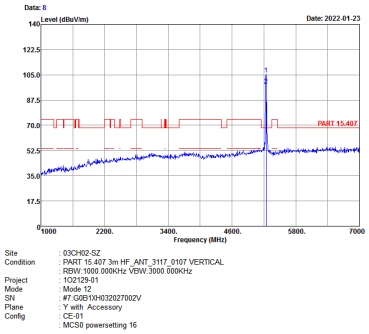
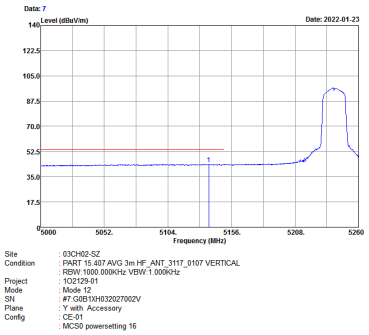
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

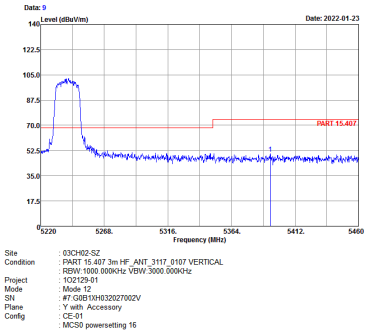
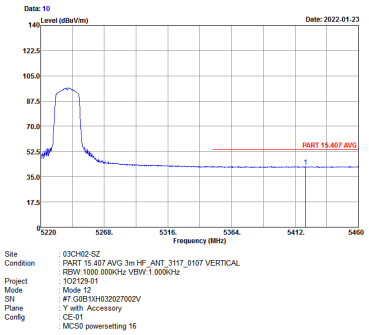
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

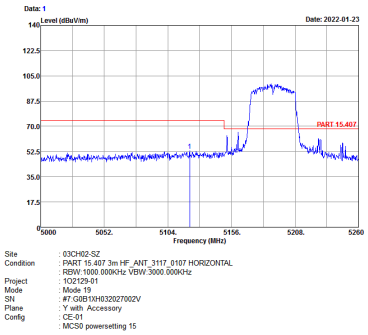
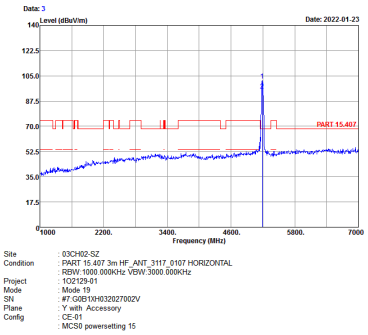
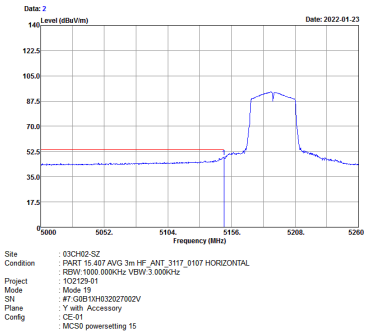
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

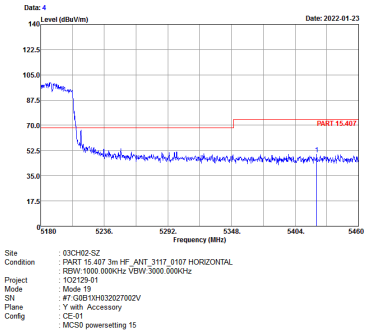
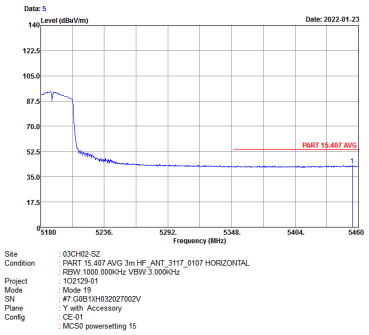
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

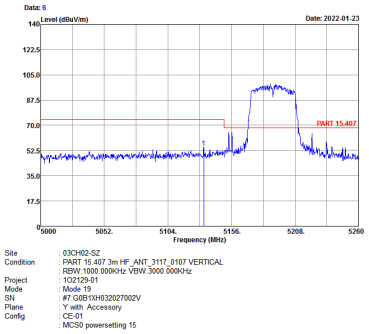
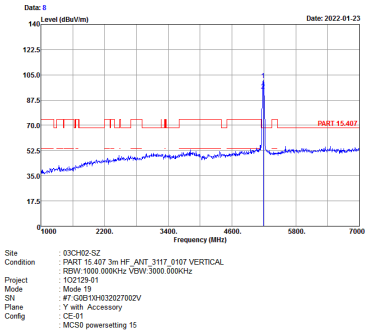
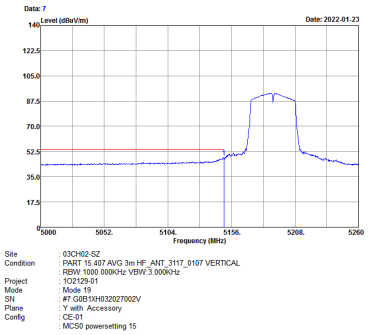
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

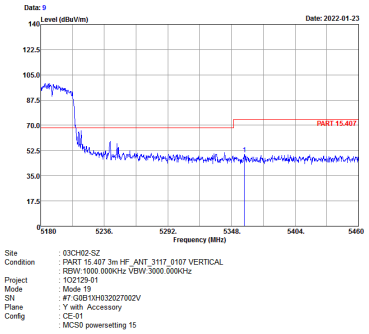
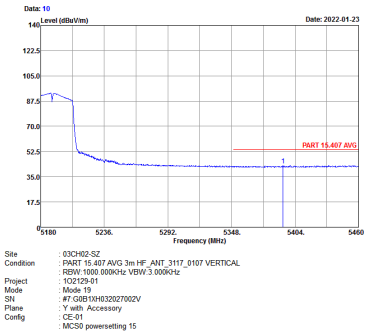
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

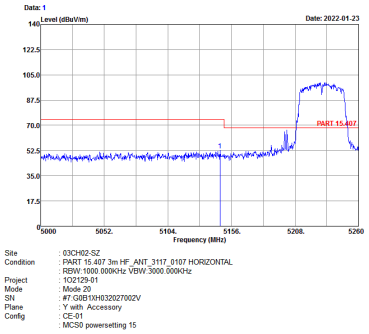
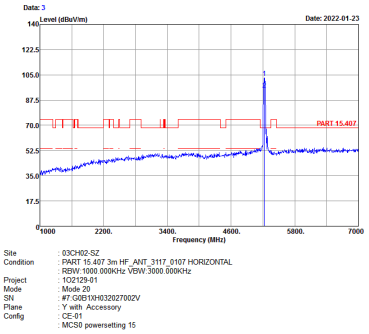
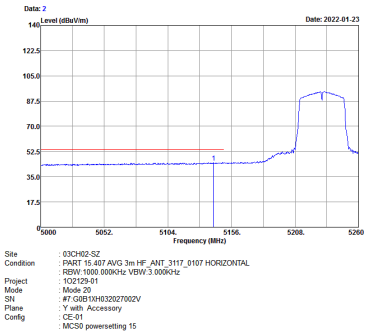
U-NII-1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

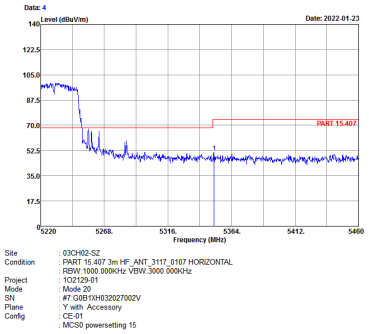
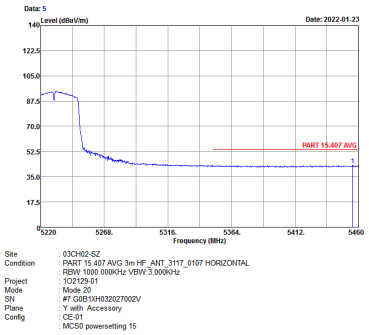
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

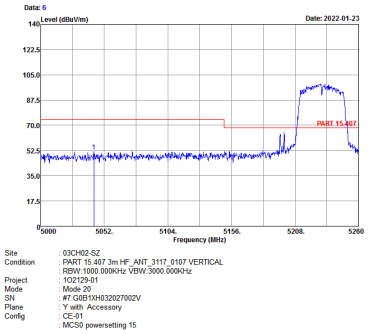
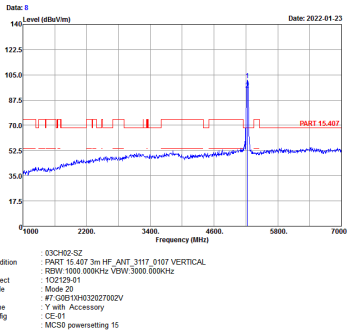
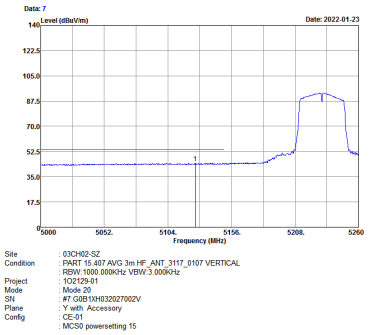
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

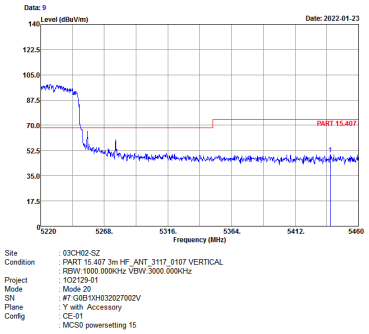
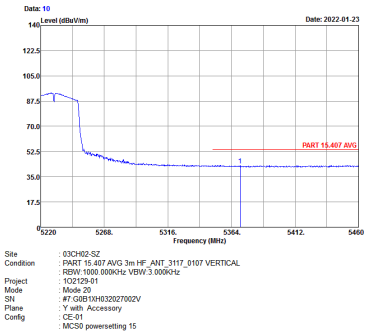
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

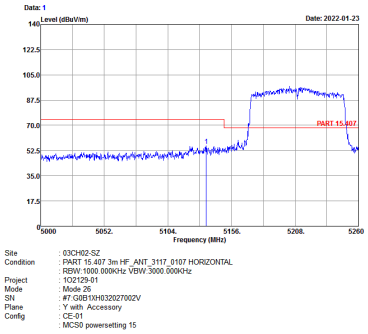
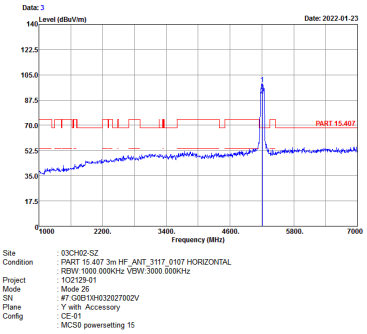
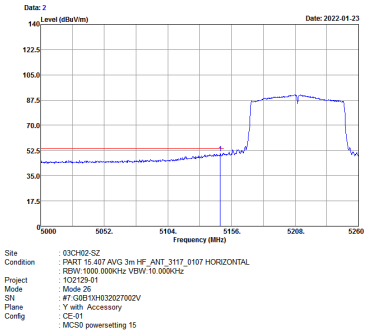
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

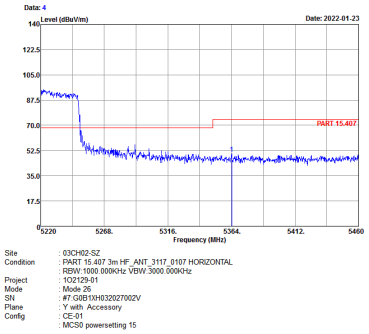
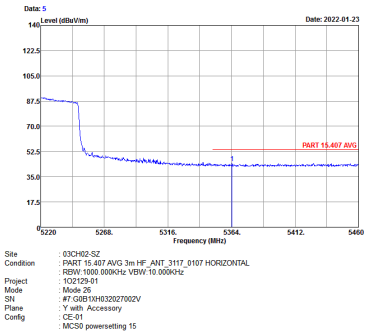
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

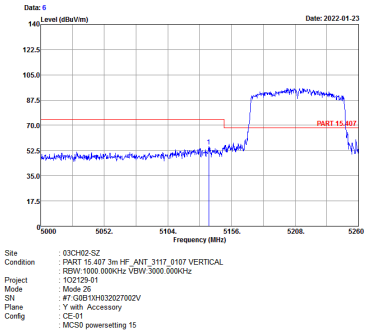
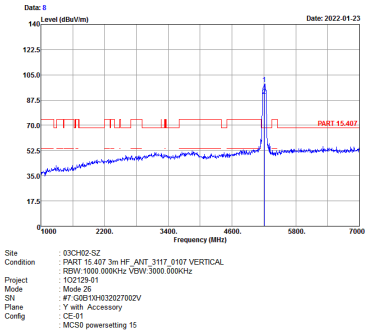
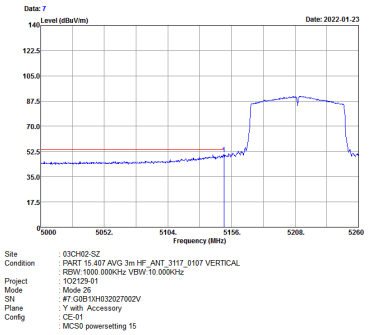
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

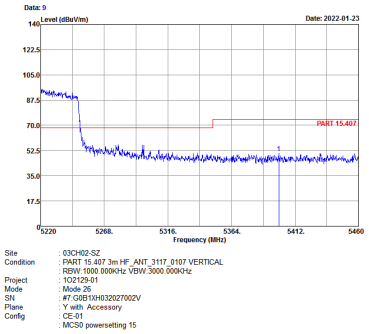
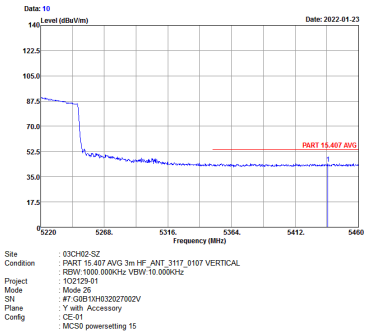
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

U-NII-1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

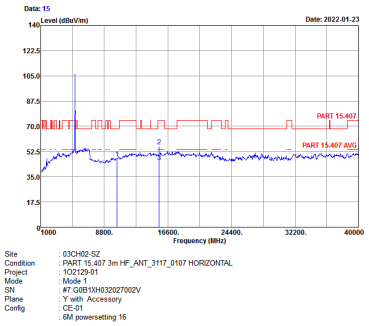
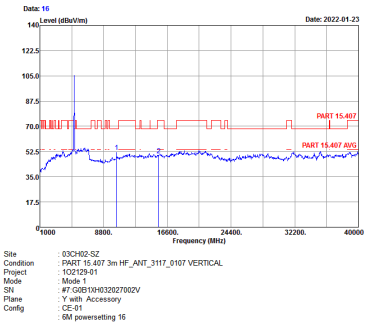
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

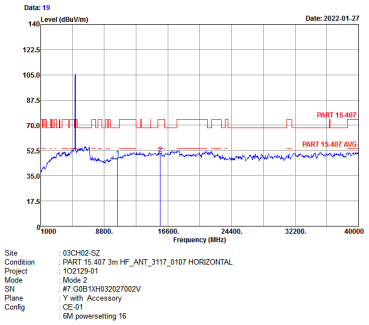
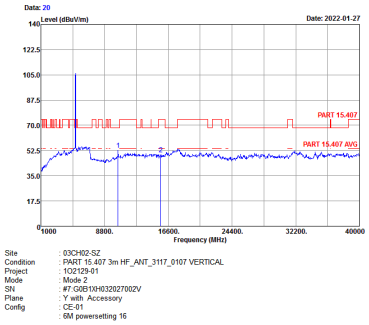
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

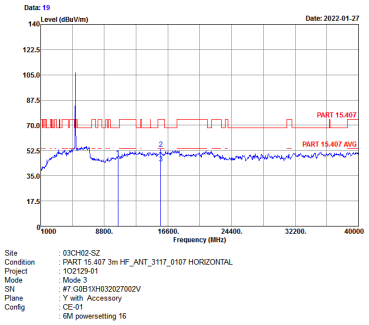
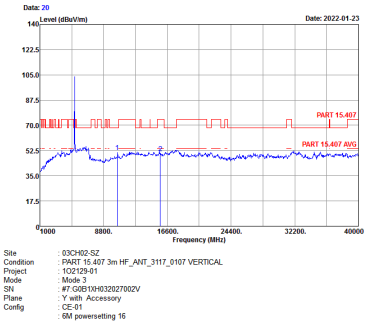
WIFI	U-NII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

U-NII-1 - 5150~5250MHz

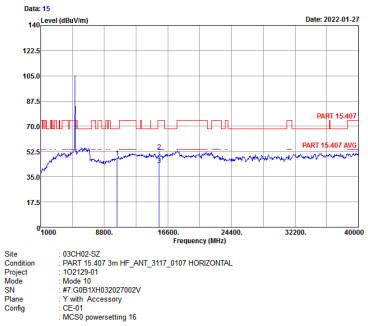
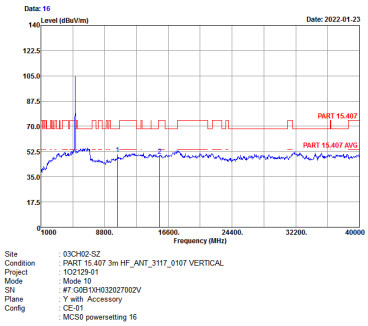
WIFI 802.11a (Harmonic @ 3m)

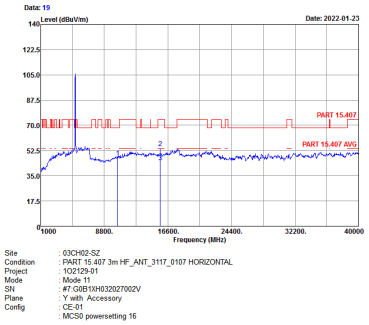
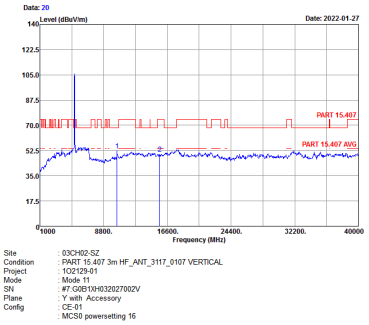
WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

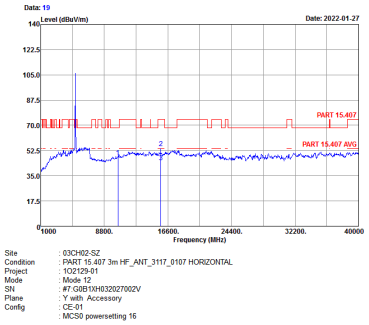
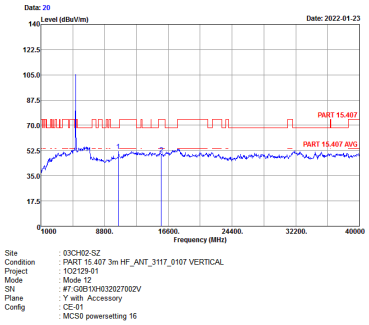
WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

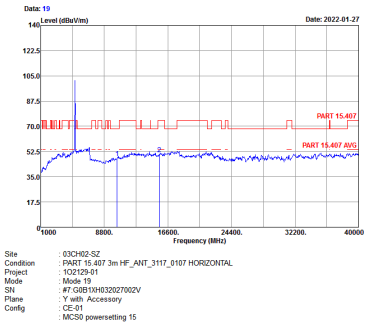
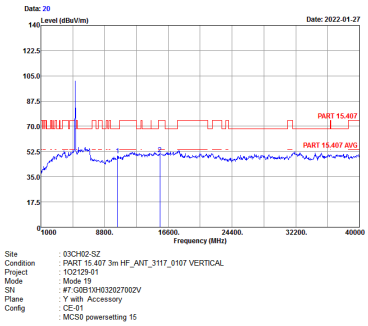
U-NII-1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

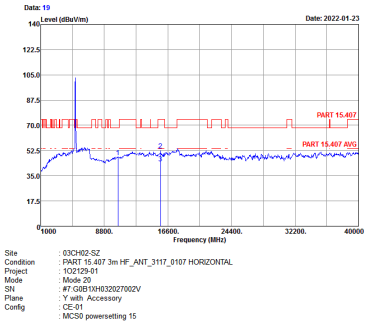
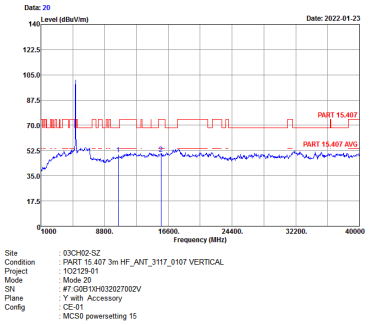
WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

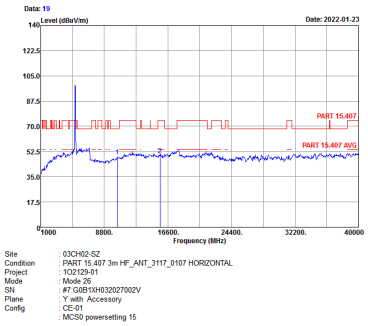
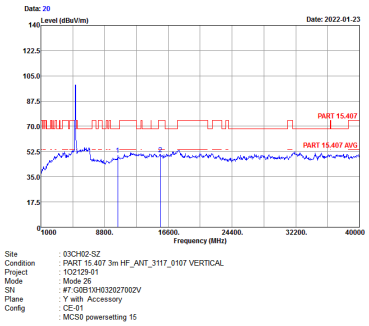
WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

U-NII-1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

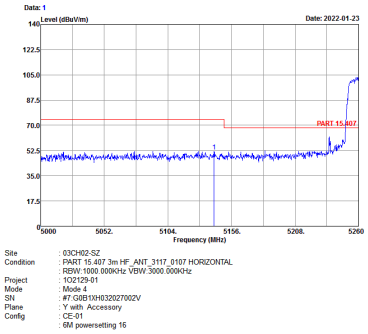
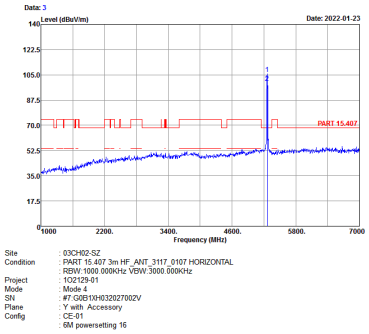
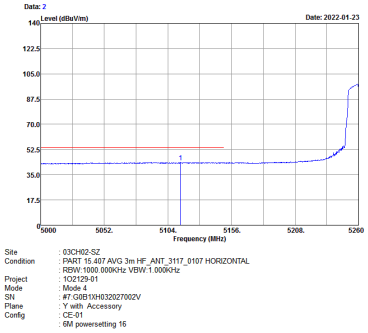
WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

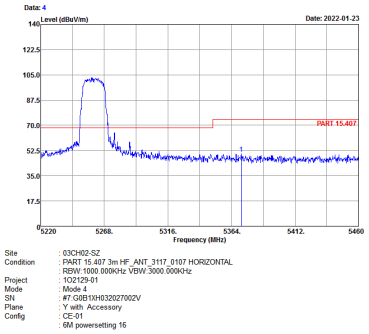
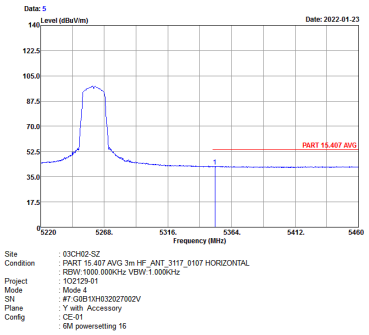
U-NII-1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

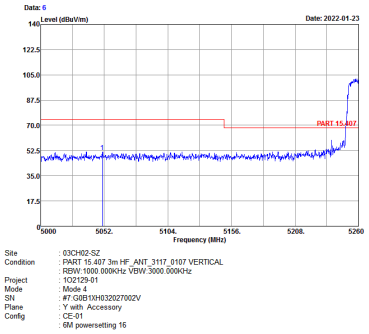
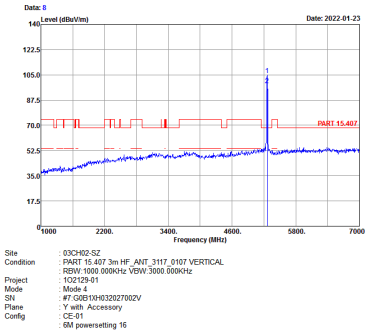
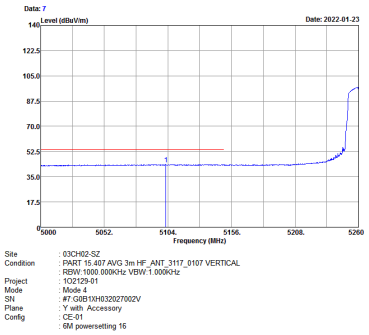
WIFI	U-NII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

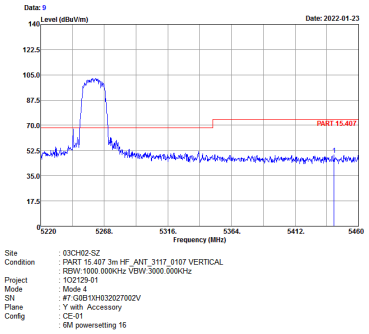
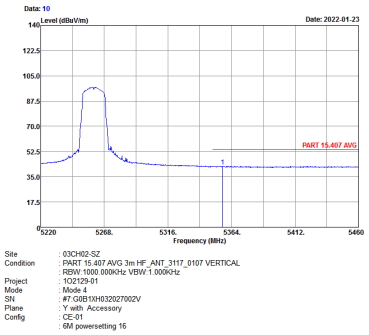
U-NII-2A - 5250~5350MHz

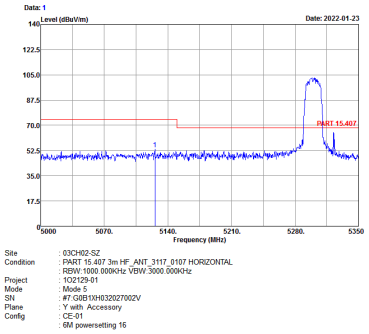
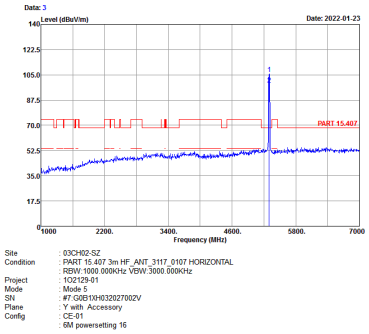
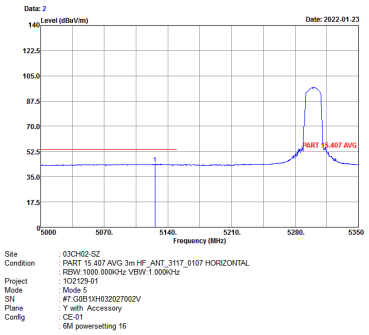
WIFI 802.11a (Band Edge @ 3m)

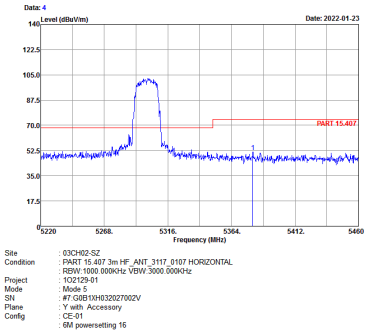
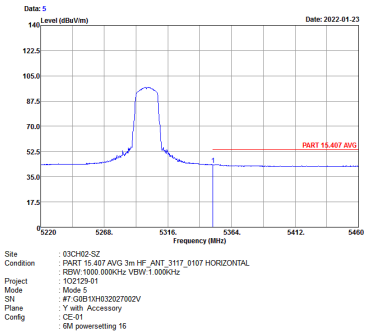
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

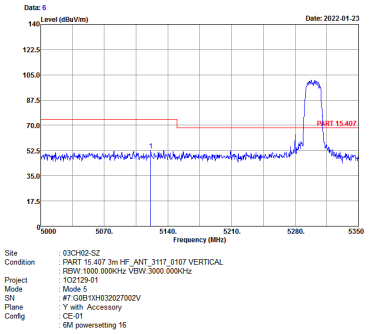
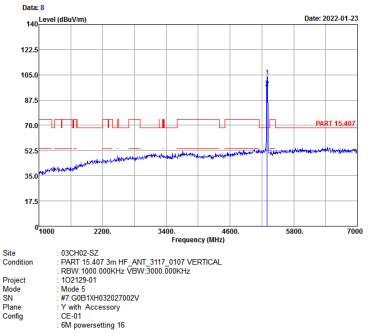
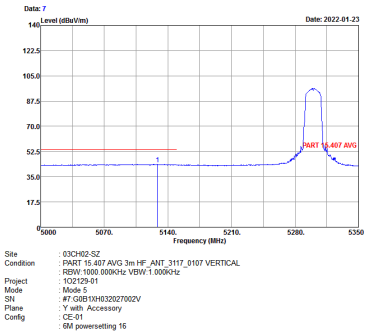
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

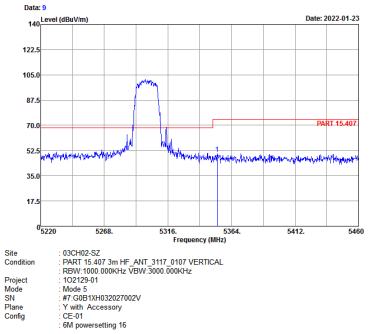
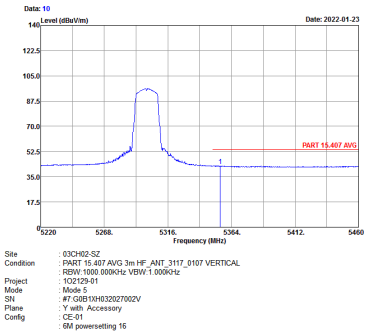
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

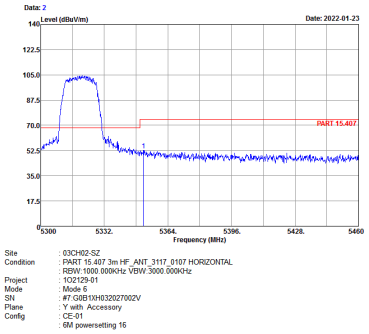
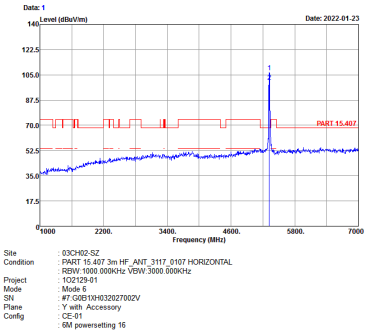
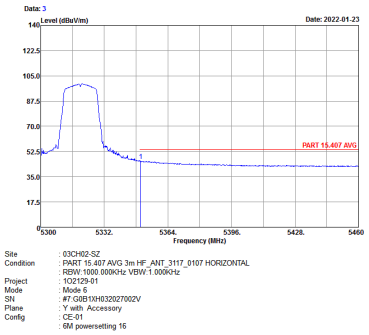
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

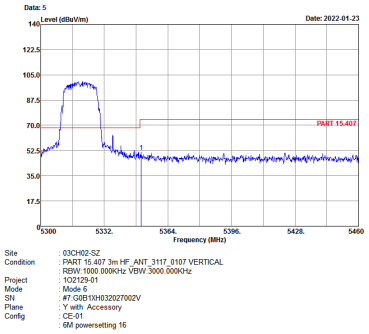
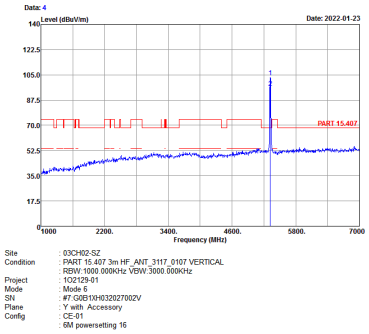
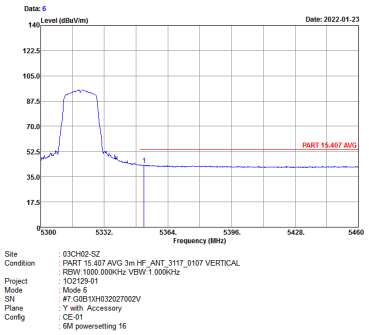
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

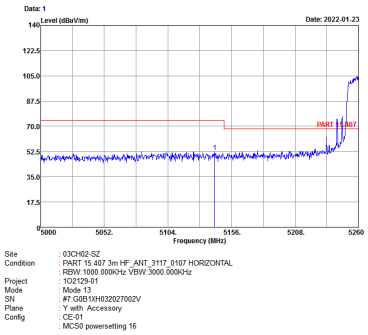
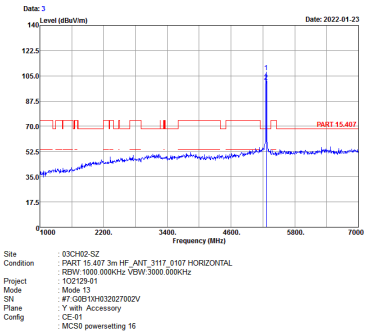
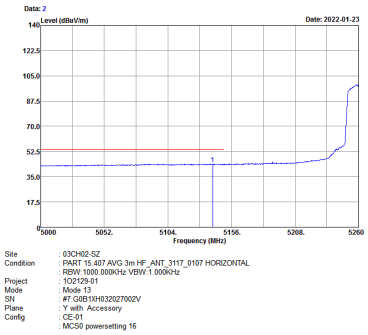
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

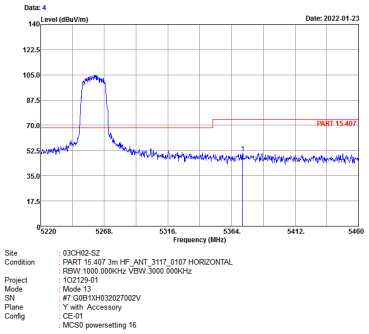
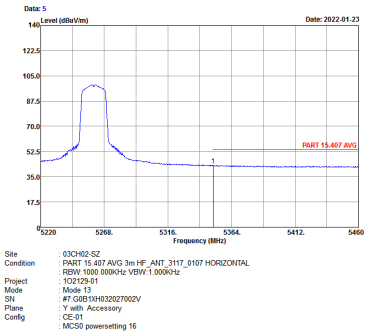
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

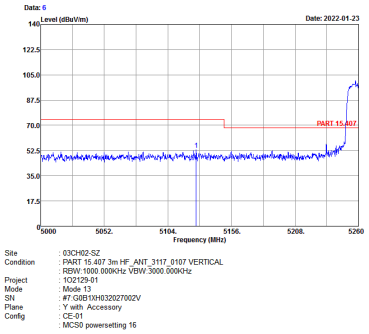
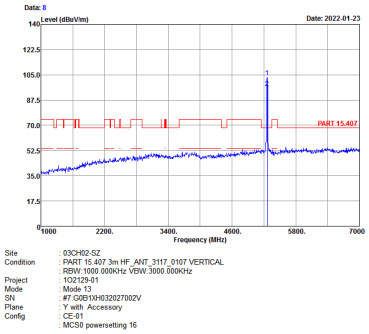
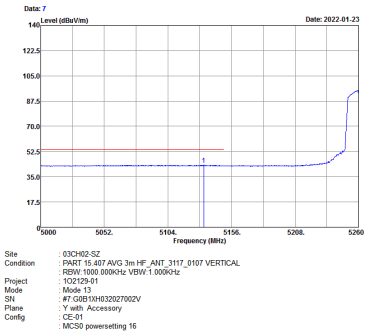
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

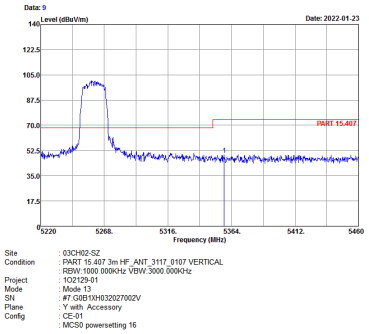
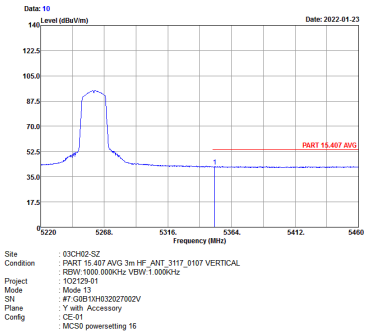
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

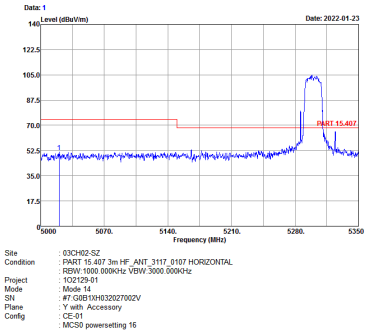
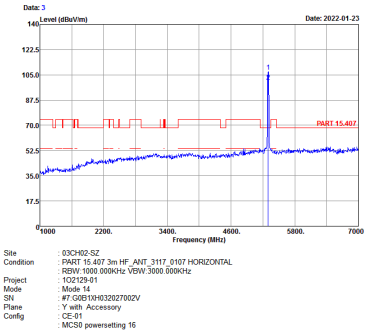
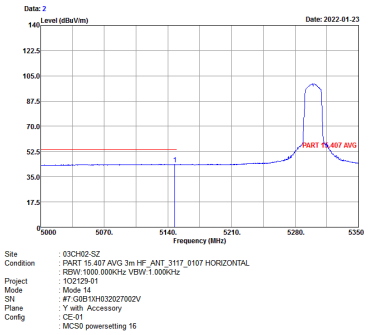
U-NII-2A 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

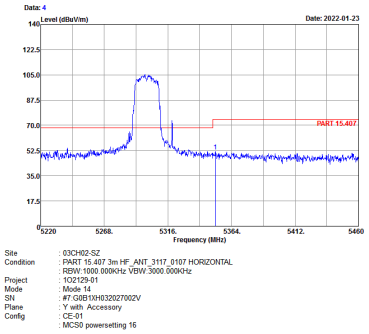
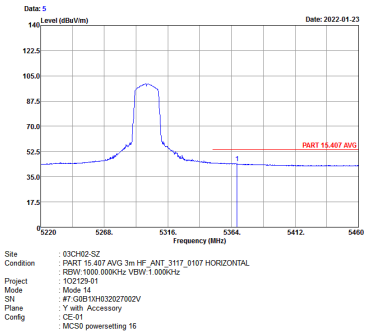
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

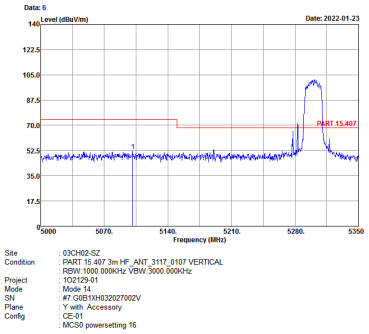
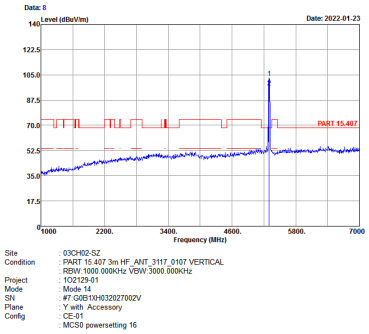
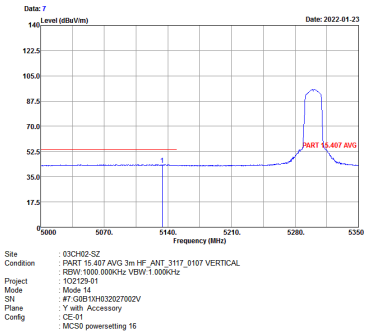
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

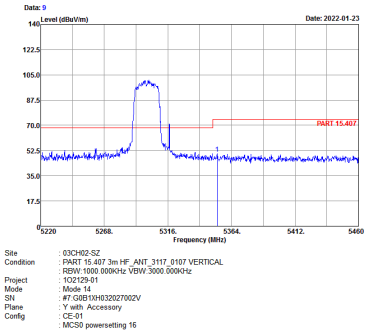
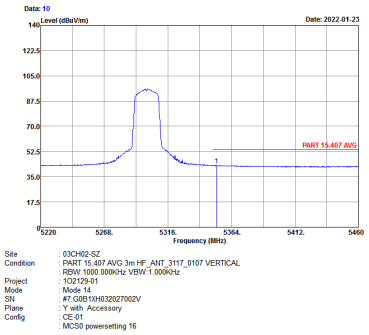
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

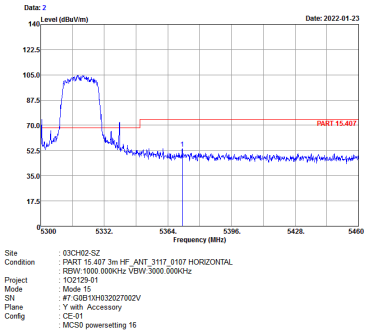
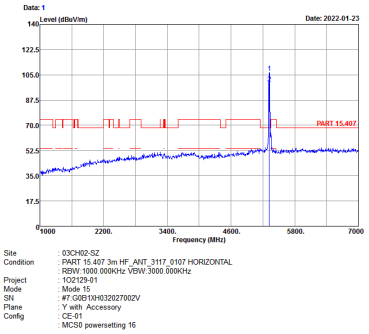
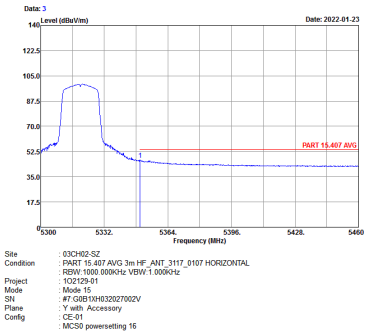
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

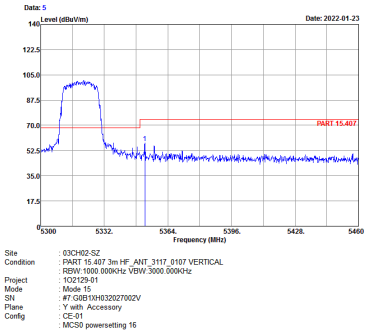
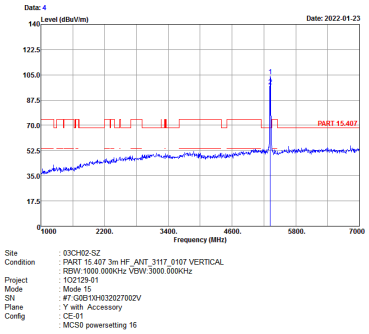
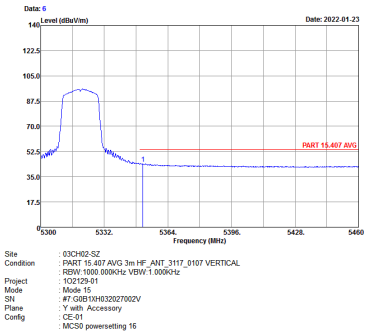
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

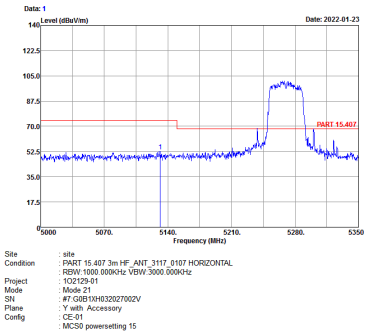
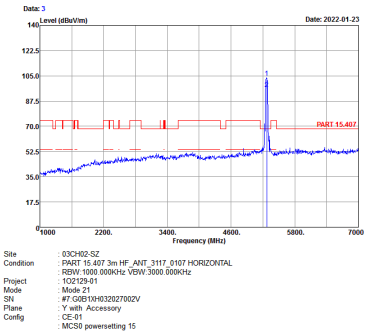
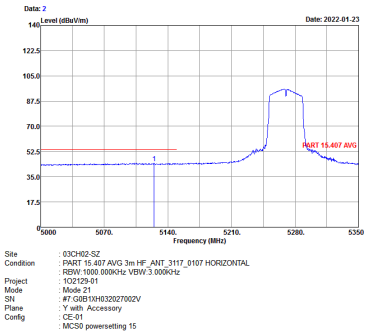
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

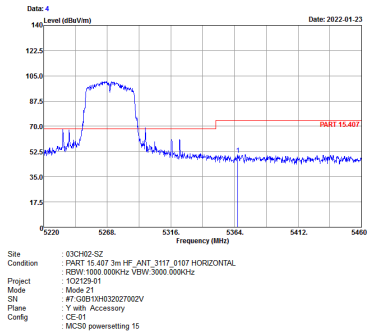
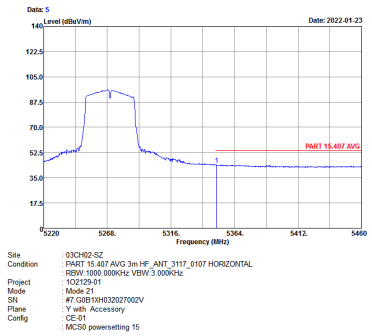
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

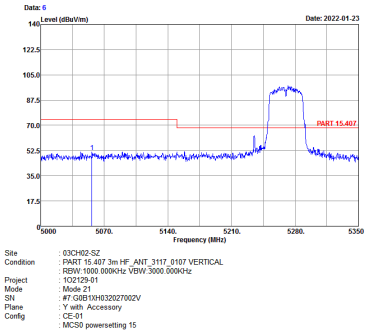
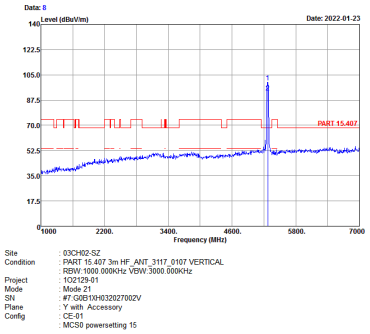
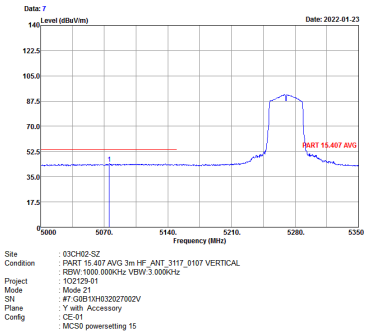
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

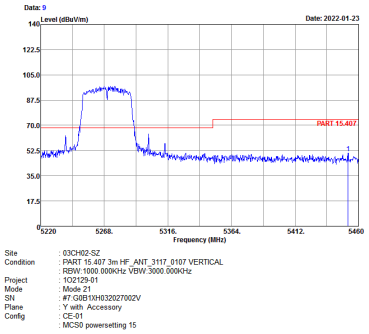
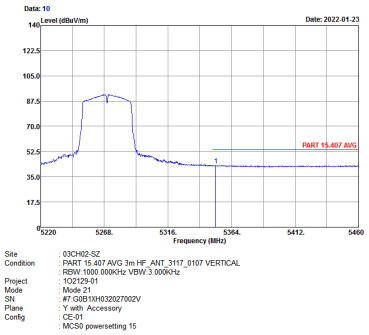
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

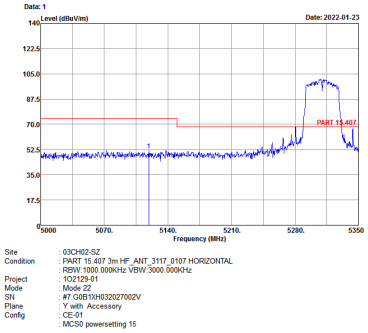
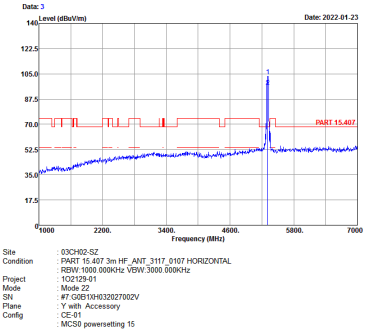
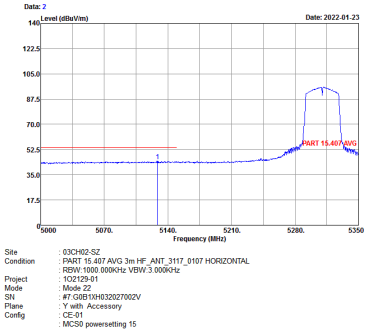
U-NII-2A 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

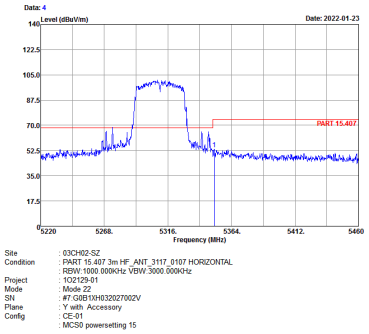
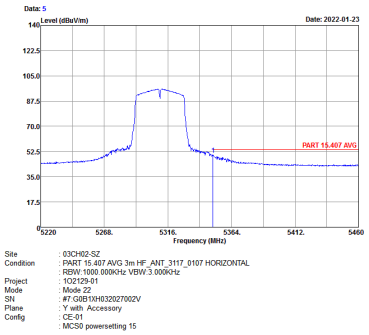
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

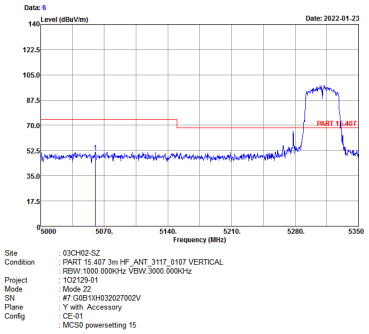
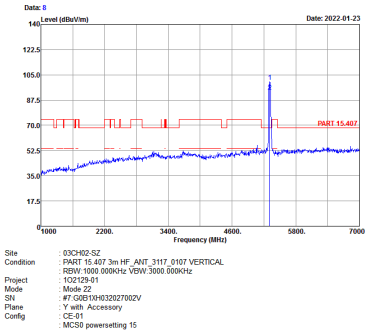
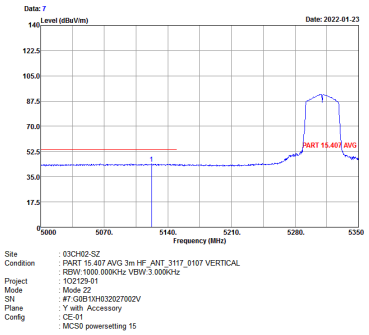
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

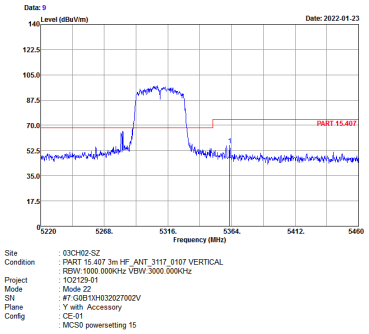
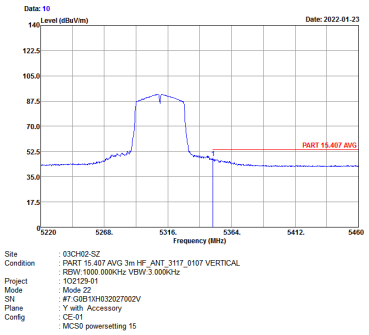
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

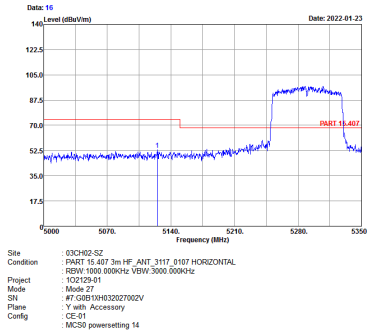
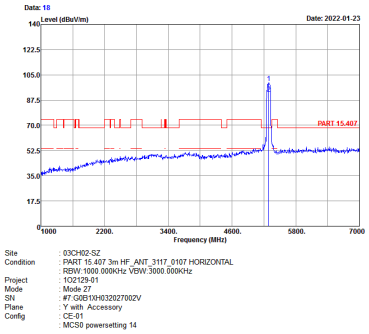
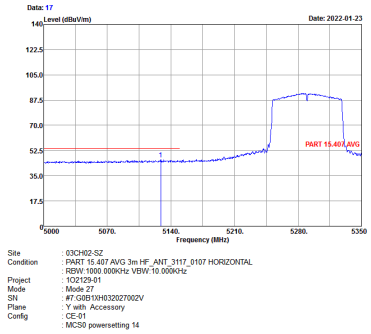
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

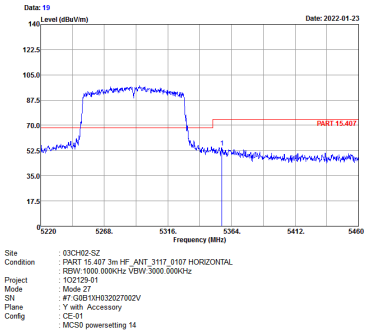
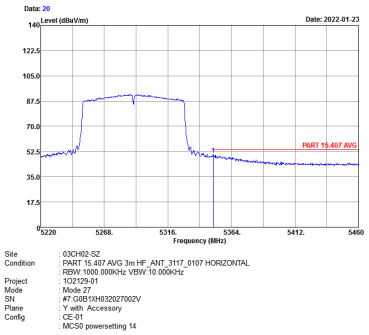
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

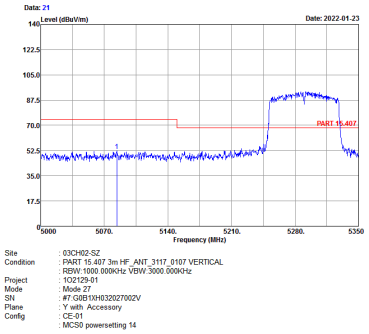
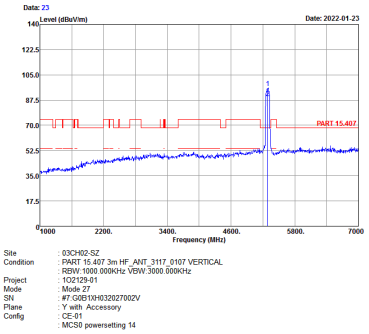
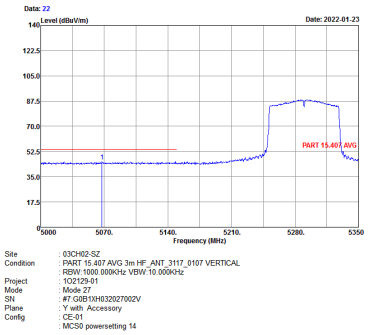
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

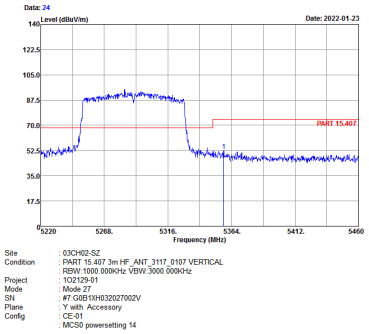
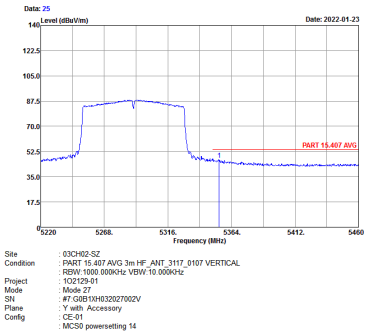
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

U-NII-2A 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

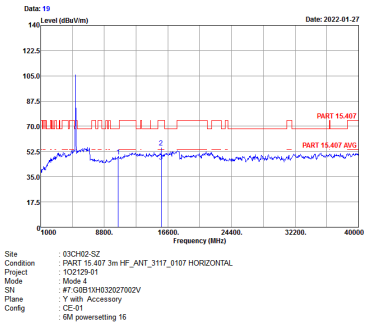
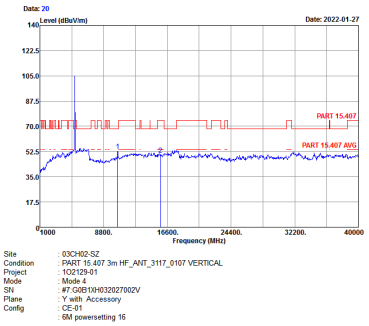
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

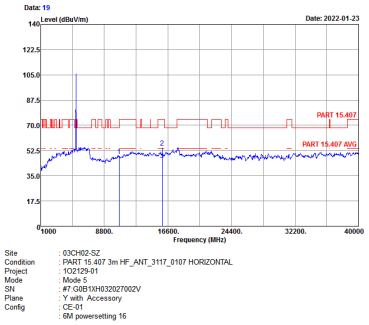
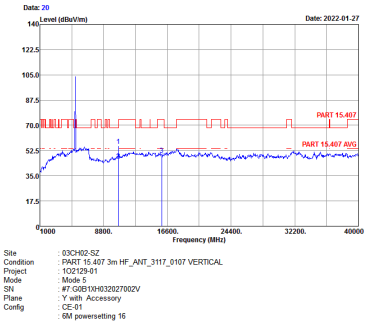
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

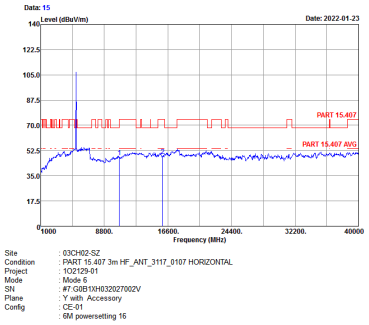
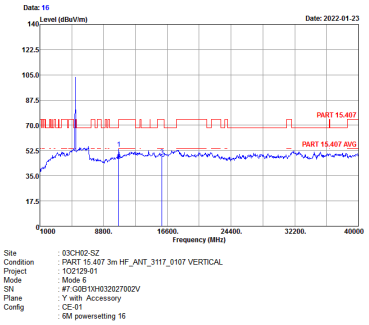
WIFI	U-NII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

U-NII-2A - 5250~5350MHz

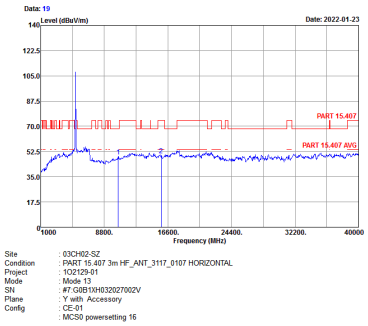
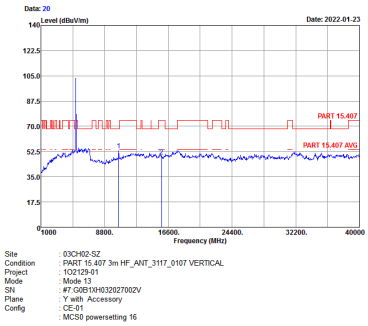
WIFI 802.11a (Harmonic @ 3m)

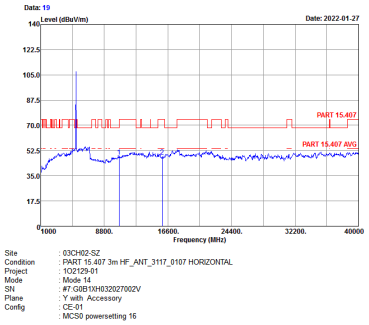
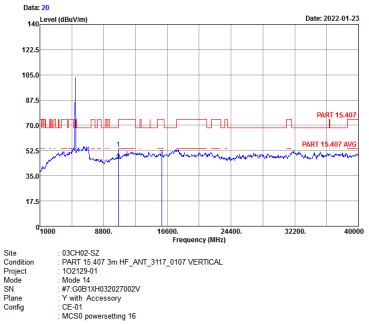
WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

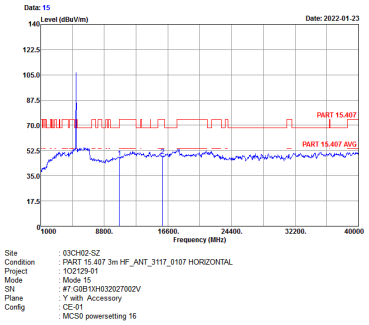
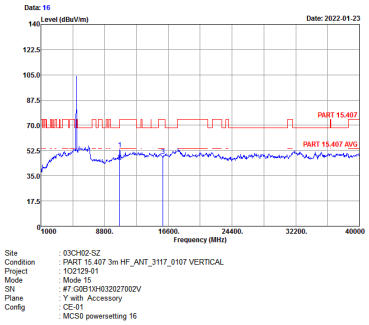
WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

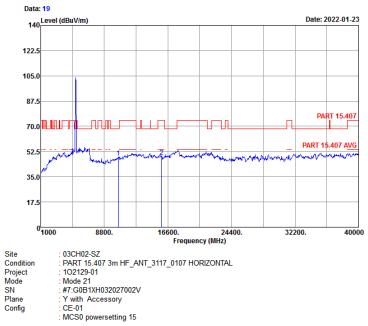
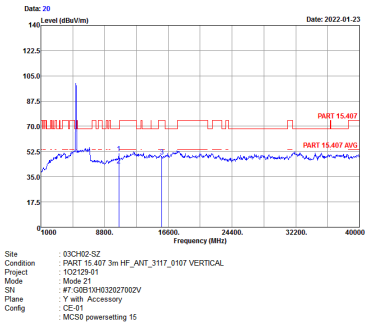
U-NII-2A 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

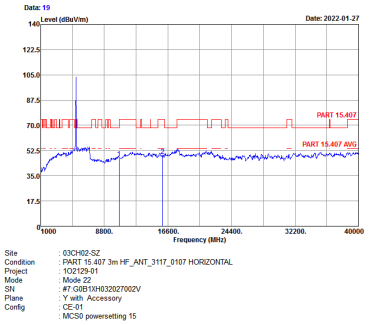
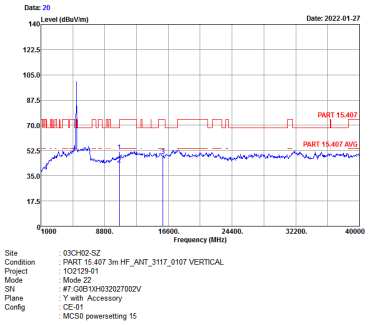
WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

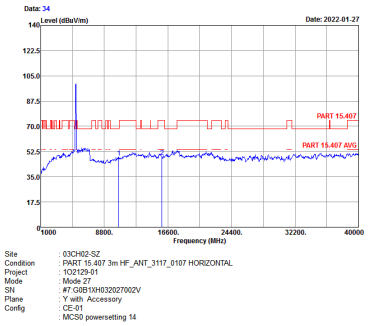
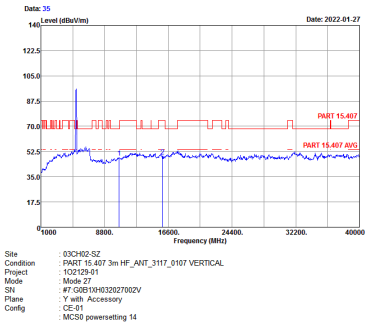
WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

U-NII-2A 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.		

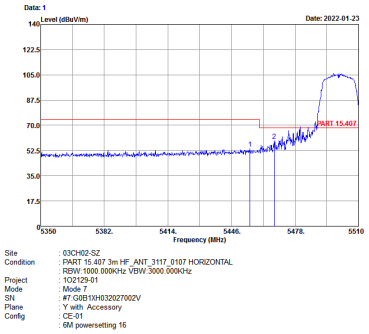
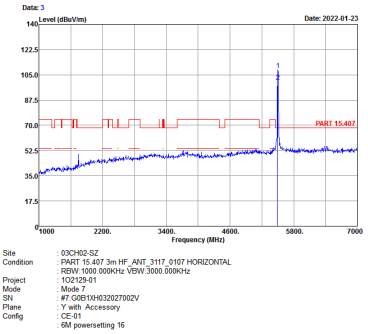
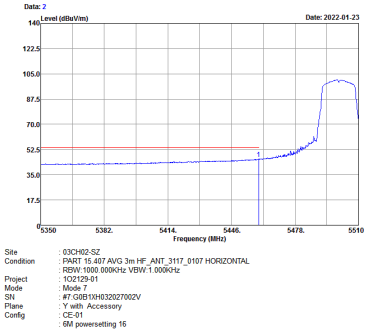
WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.		

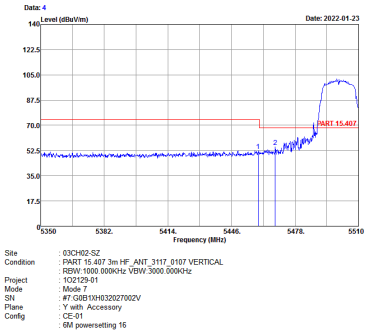
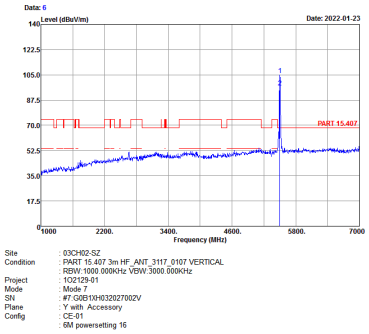
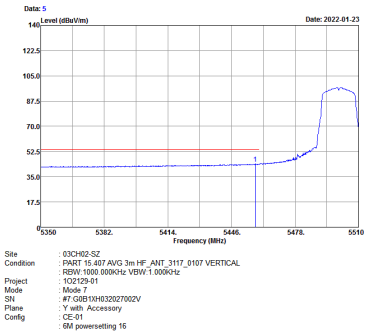
U-NII-2A 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

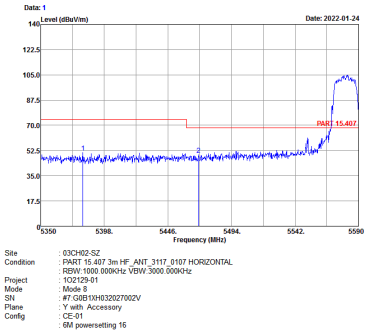
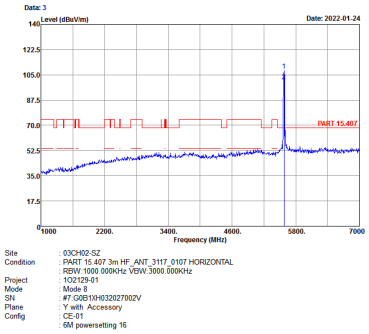
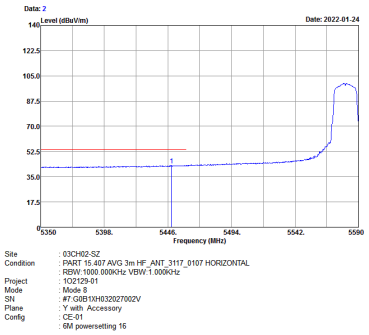
WIFI	U-NII-2A 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

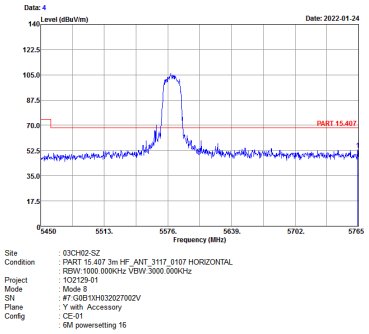
U-NII-2C - 5470~5725MHz

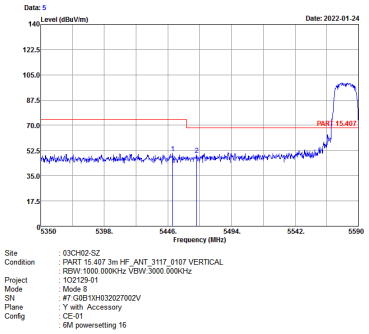
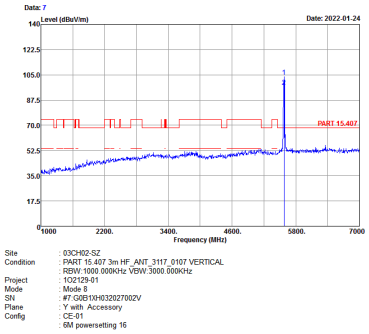
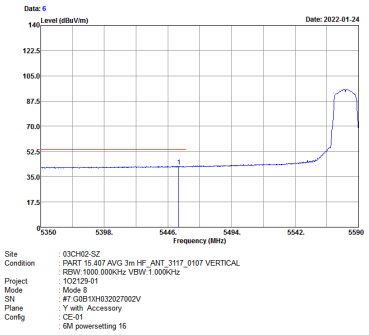
WIFI 802.11a (Band Edge @ 3m)

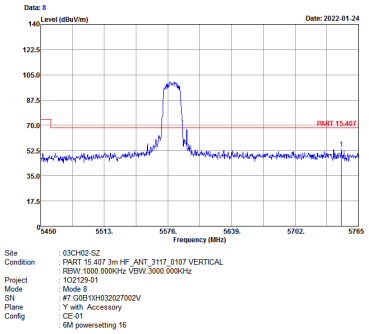
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

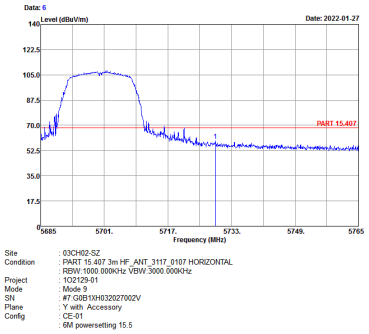
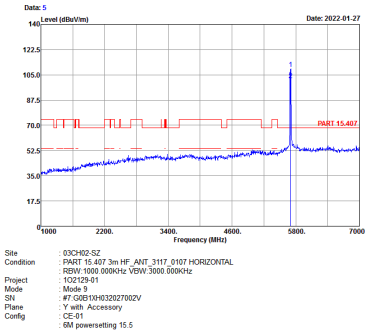
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

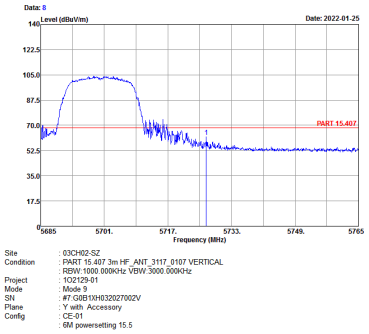
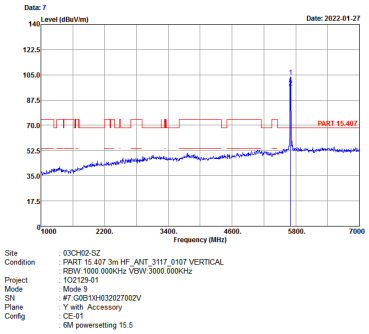
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

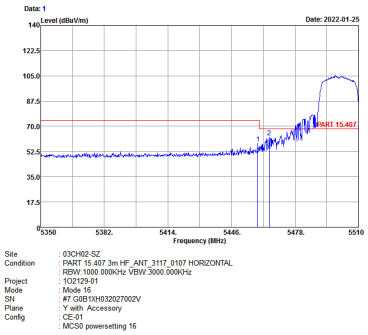
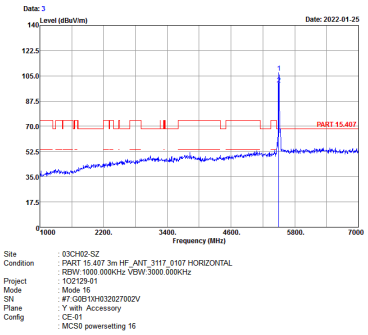
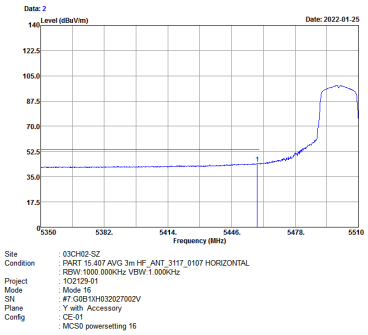
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

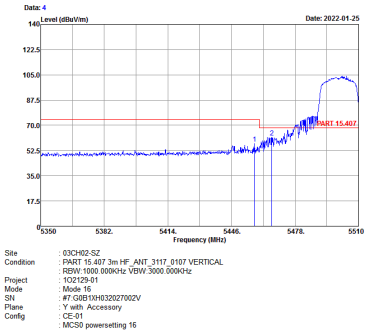
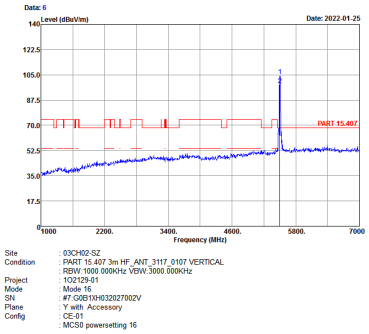
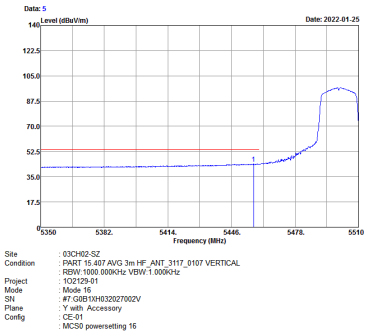
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

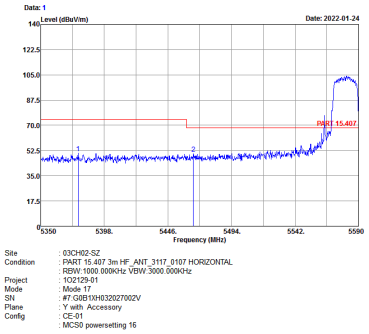
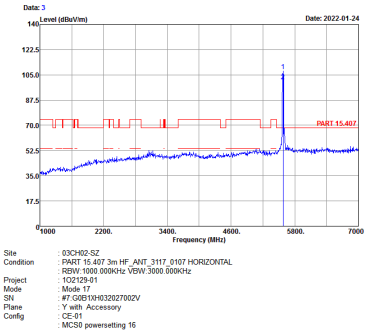
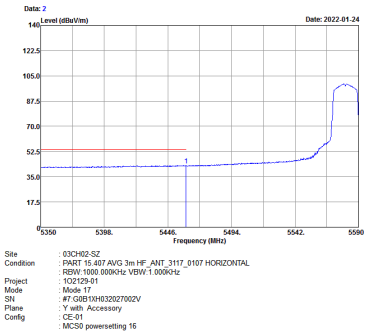
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

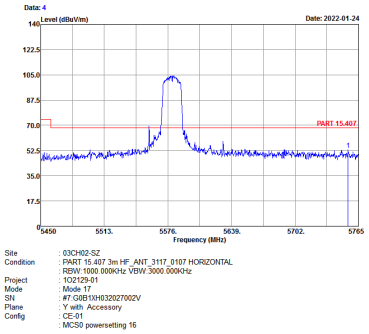
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

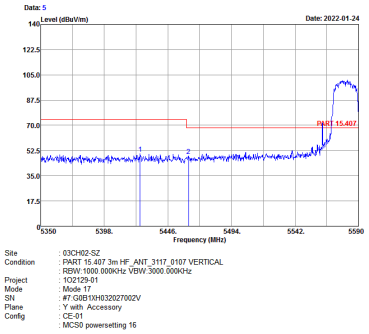
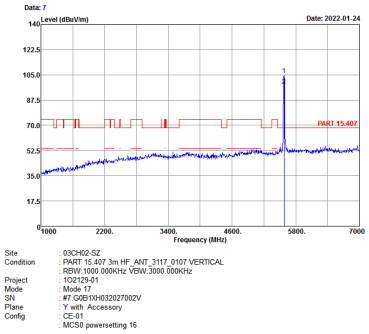
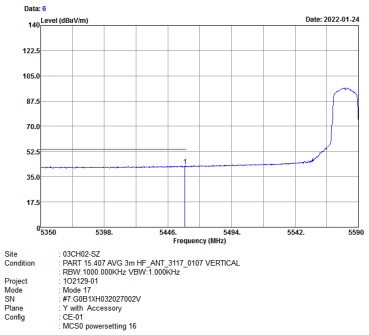
U-NII-2C 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

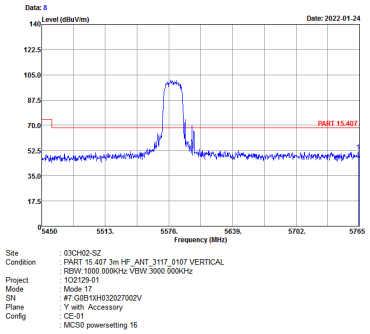
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

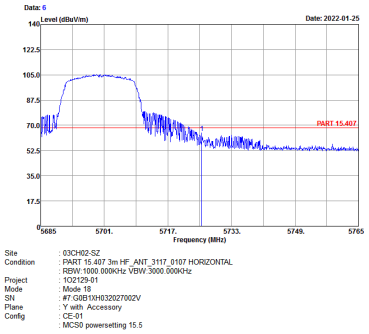
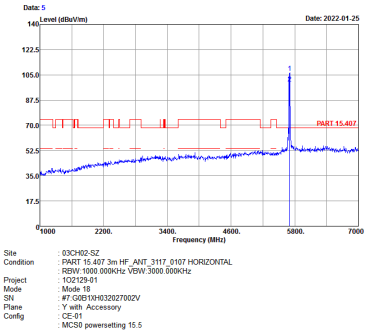
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

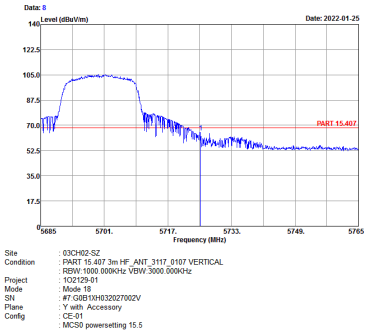
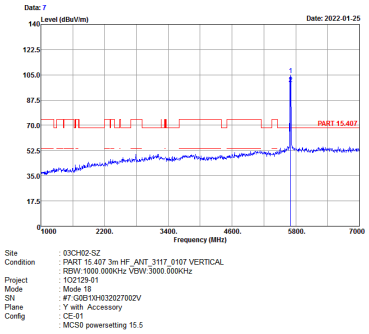
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

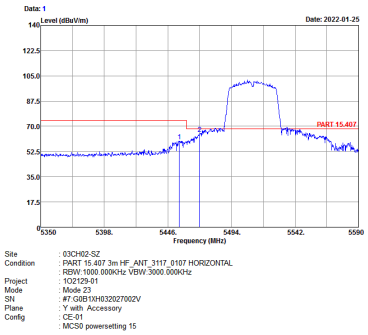
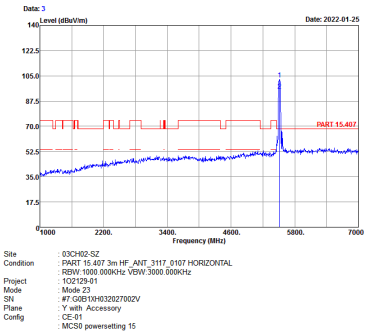
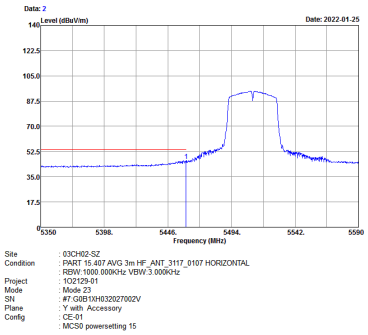
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

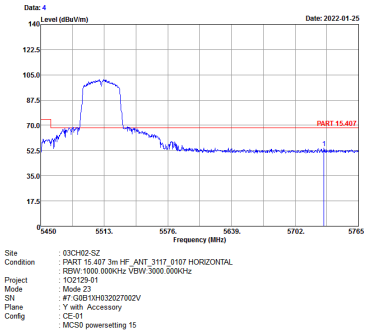
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

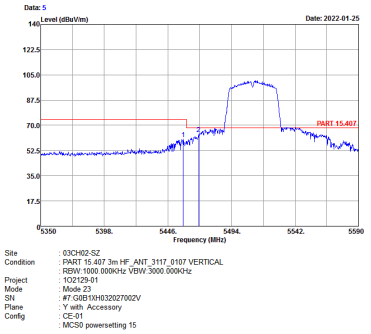
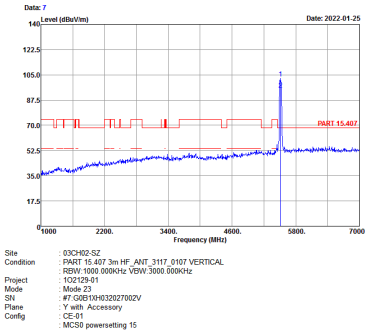
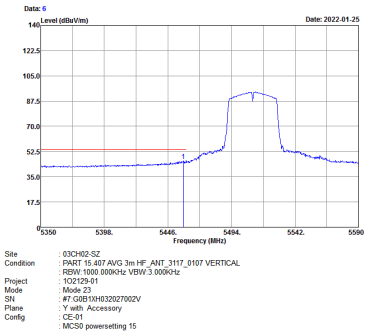
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

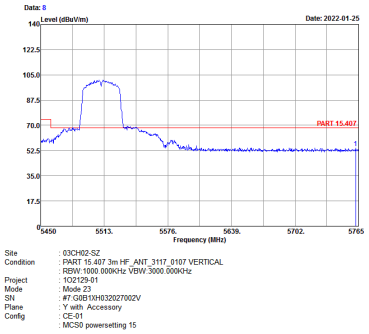
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

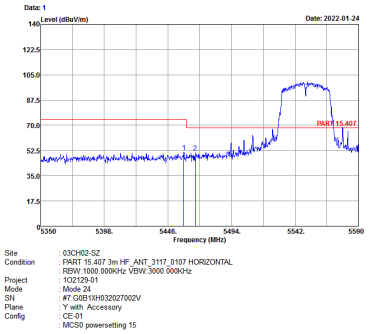
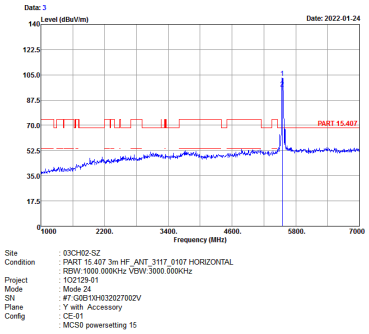
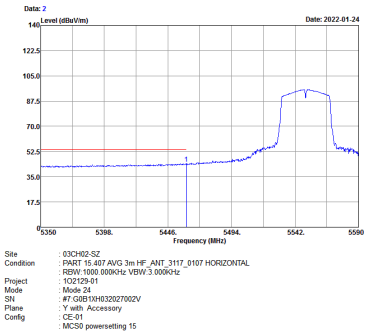
U-NII-2C 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

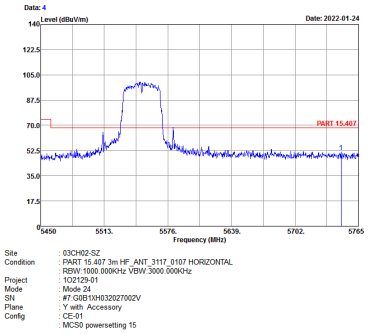
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

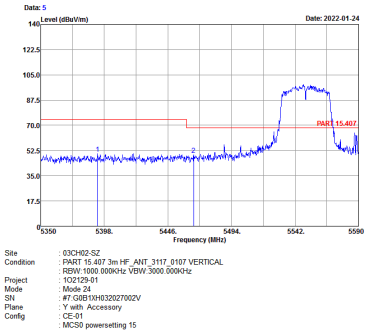
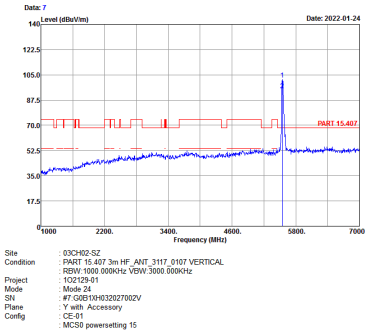
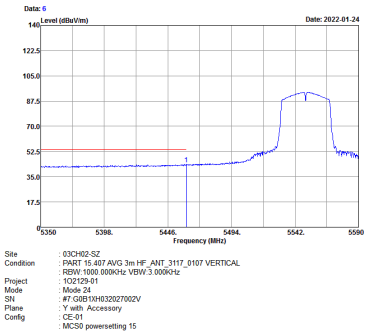
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

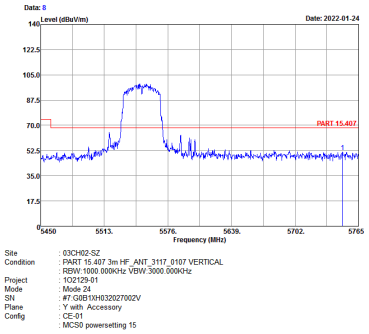
WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	U-NII-2C 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak		Left blank