FCC RADIO TEST REPORT

FCC ID	**:**	**2AEM4-71213573**
Equipment	**:**	**Wireless router/access point**
Brand Name	**:**	**eero**
Model Name	**:**	**S010001**
Applicant	**:**	**eero LLC** **660 3rd Street, 4th Floor, San Francisco, CA 94107**
Manufacturer	**:**	**eero LLC** **660 3rd Street, 4th Floor, San Francisco, CA 94107**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 10, 2021 and testing was started from Aug. 11, 2021 and completed on Nov. 18, 2021. We, Sporton International (USA) Inc., 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 variant report apply exclusively to the tested model / sample. Without written approval of Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035

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History of this test report

Report No.	Version	Description	Issued Date
FR210727001-01	01	Initial issue of report	Jan. 04, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 0.17 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 9.88 dB at 0.492 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Remark:

1. This is a variant report which can be referred to section 1.1. Since the test result is not affected by the changes, all the test cases were performed on original report which can be referred to Sporton Report Number FR210727001D.
2. The FR210727001-01 report reuse test data from the FR210727001D report.

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 Product Feature of Equipment Under Test

The EUT is an indoor AP with radios including Bluetooth - LE, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax and 802.15.4 (Zigbee), equipped with integrated antennas configured below:

Antenna configuration	
Antenna Type	**WLAN 2.4GHz** <Ant. 6>: Flexible PCB Antenna <Ant. 3>: Flexible PCB Antenna **WLAN 5GHz** <Ant. 4>: Flexible PCB Antenna <Ant. 5>: Flexible PCB Antenna **WLAN 6GHz** <Ant. 7>: Flexible PCB Antenna <Ant. 2>: Flexible PCB Antenna **Bluetooth:** Flexible PCB Antenna **Zigbee:** Flexible PCB Antenna

Note: To enable several frequencies including UNII-2A, UNII-2C, UNII-4, UNII-5, UNII-6, UNII-7 and UNII-8 using software, while the hardware remains unchanged. The required tests in support of the additional bands have been performed accordingly to ensure compliance.

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	<Ant. 4>: 5.71 <Ant. 5>: 4.78
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	<Ant. 4>: 5.71 <Ant. 5>: 4.78
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	<Ant. 4>: 5.71 <Ant. 5>: 4.78

Remark: The above EUT's information is declared by the manufacturer. Please refer to Comments and Explanations in report summary.

Specification of Accessories				
Adapter 1	**Brand Name**	eero	**Model Name**	C210001
Adapter 2	**Brand Name**	eero	**Model Name**	C210003
Adapter 3	**Brand Name**	eero	**Model Name**	C210004
Adapter 4	**Brand Name**	eero	**Model Name**	C210005

Remark: The manufacturer declares that all the power supplies listed are electrically identical from one another, the only difference between all the models are the plugs designed for use in different countries. All the test is performed with only one power supply, model C210001 as shown in this report.

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway Milpitas, CA 95035 TEL: 408-904-3300
Test Site No.	**Sporton Site No.**
	TH01-CA, CO01-CA, 03CH02-CA

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output 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).

Radiated measurements are performed in one orientation which is plane X according to the prescribed placement of the device in normal operation declared by the manufacturer.

b. In order to find out the worst scenario, radiated measurements are performed using the maximum power settings which are configurable in EUT's test mode requested by the manufacturer, the settings used for testing are either larger or equal to the power settings configured in bulk production to ensure compliance.

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

2.1 Carrier Frequency and Channel

BW 20M	**Channel**	36	40	44	48	52	56	60	64
	Freq. (MHz)	5180	5200	5220	5240	5260	5280	5300	5320
BW 40M	**Channel**	38		46		54		62	
	Freq. (MHz)	5190		5230		5270		5310	
BW 80M	**Channel**	42				58			
	Freq. (MHz)	5210				5290			
BW 160M	**Channel**	50							
	Freq. (MHz)	5250							

BW 20M	**Channel**	100	104	108	112	116	120	124	128	132	136	140	144
	Freq. (MHz)	5500	5520	5540	5560	5580	5600	5620	5640	5660	5680	5700	5720
BW 40M	**Channel**	102		110		118		126		134		142	
	Freq. (MHz)	5510		5550		5590		5630		5670		5710	
BW 80M	**Channel**	106				122				138			
	Freq. (MHz)	5530				5610				5690			
BW 160M	**Channel**	114											
	Freq. (MHz)	5570											

2.2 Test Mode

All modulation schemes/data rate are verified by conducted power test case, and the modulation schemes with highest power is used for all test cases. The final test items are considering the modulation schemes and worse data rates as the table below.

The manufacturer declares that this product would only operate in 2Tx CDD mode, hence all the test cases are performed as instructed.

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20 (Covered by HE20)	**MCS0**
802.11n HT40 (Covered by HE40)	**MCS0**
802.11ac VHT20 (Covered by HE20)	**MCS0**
802.11ac VHT40 (Covered by HE40)	**MCS0**
802.11ac VHT80 (Covered by HE80)	**MCS0**
802.11ac VHT160 (Covered by HE160)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**MCS0**

Note: The 802.11ax covers the 802.11n and 11ac due to same modulation family scheme. For 802.11ax (OFDMA), only full resource unit assignment mode is tested since EUT doesn't support partial resource unit assignment mode.

AC Conducted Emission Test Cases is listed in the following table:

AC Conducted Emission Test Cases
Mode 1: :WLAN (5GHz) Link + Zigbee Link + LAN 1 Link + LAN 2 Link + Charging from Adapter

RF test channels are listed in the following table:

Ch. #		RF test channel of UNII-1	RF test channel of UNII-2	RF test channel of UNII-3
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		RF test channel of UNII-1	RF test channel of UNII-2	RF test channel of UNII-3
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

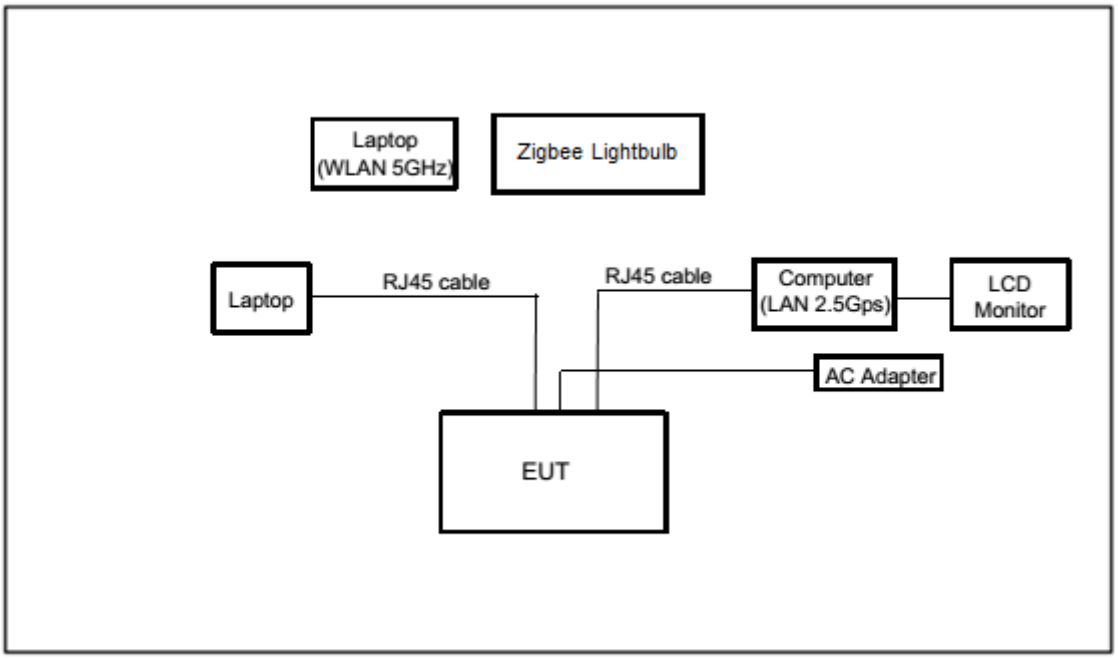
Ch. #		RF test channel of UNII-1	RF test channel of UNII-2	RF test channel of UNII-3
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

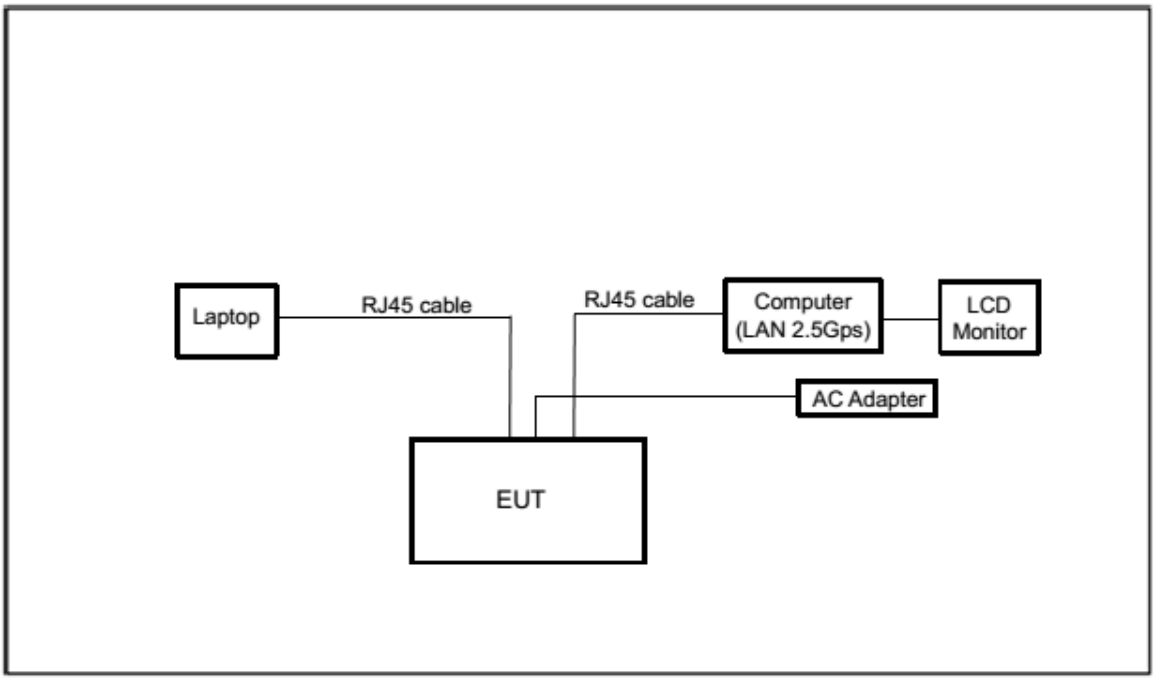
BW160	RF test channel of UNII-1, UNII-2	RF test channel of UNII-3
	802.11ax HE160	802.11ax HE160
Ch. #	50	114

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<Radiated Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Acer	PS548 G1	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	HP	14-dq1043cl	TX2-RTL8822CE	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	ThinkPad	ThinkPad X1 Carbon Gen 8	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Computer	Fractal	FD-C-DEF7A-01 (NETINTX550TR Intel X550T2BLK)	FCC DoC	N/A	Unshielded, 1.2m
5.	LCD Monitor	Samsung	LS27E310HZG/ZA	FCC DoC	N/A	Unshielded, 1.2m
6.	LightBulb for Zigbee	Philips	Hue	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT4:4.0.00189.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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 4.2 dB and 10 dB attenuator.

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

= 4.2 + 10 = 14.2 (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.

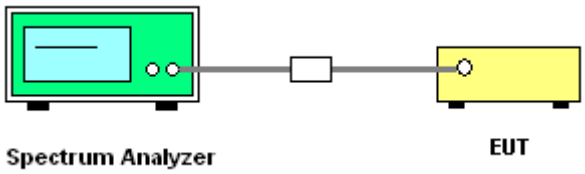
3.1.2 Measuring Instruments

See list of measuring equipment 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 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

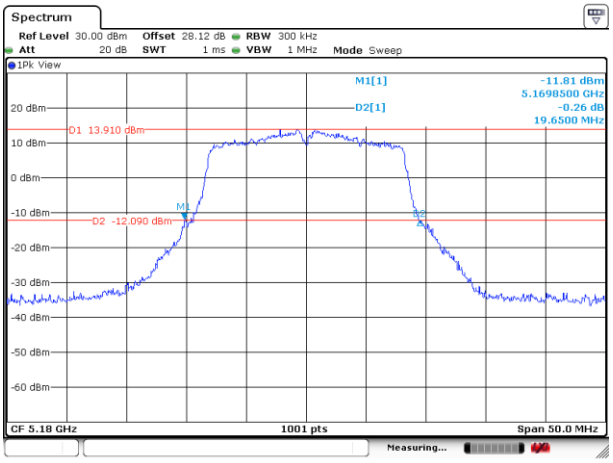
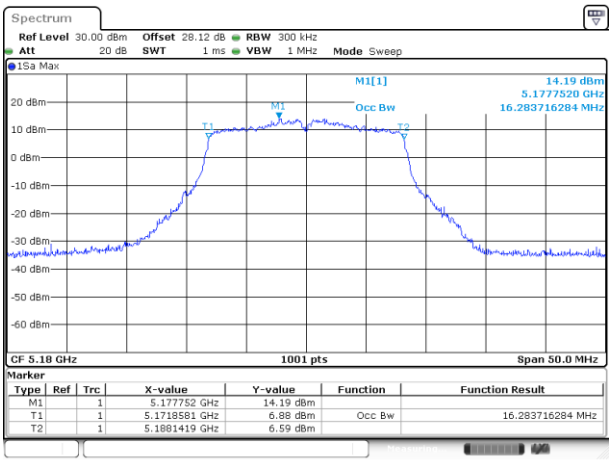
3.1.4 Test Setup



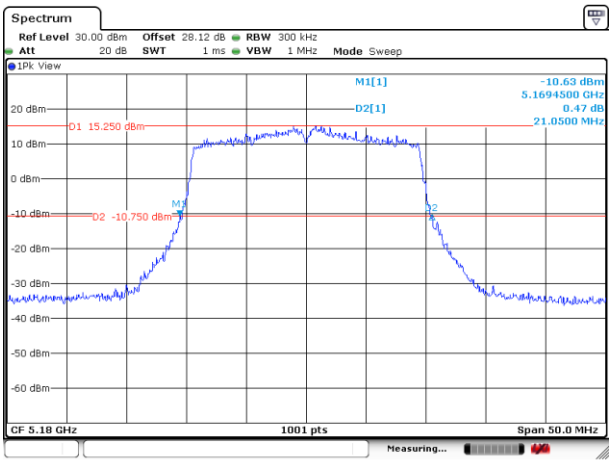
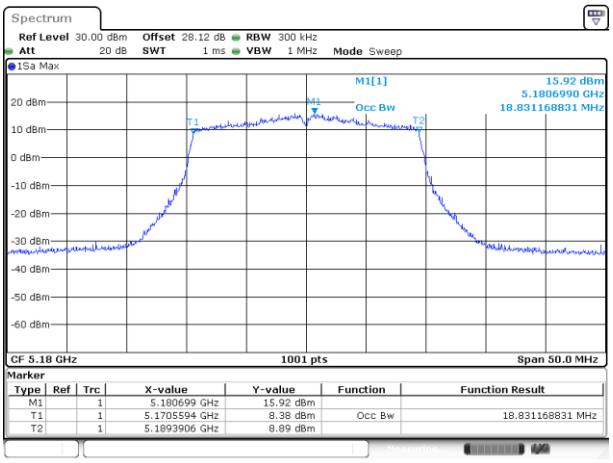
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

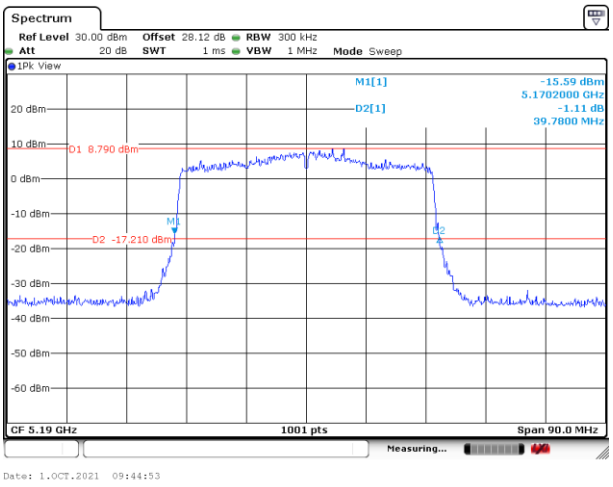
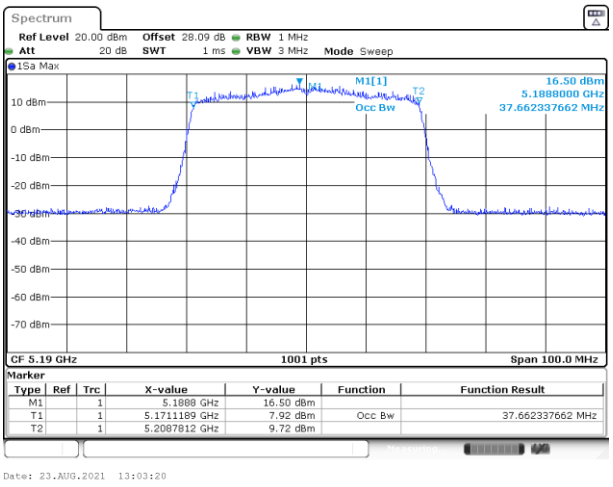
802.11a CH36

26dB Bandwidth	99% Occupied Bandwidth
	

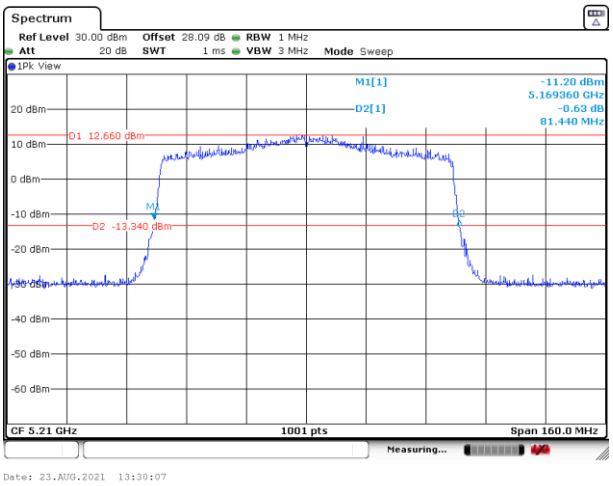
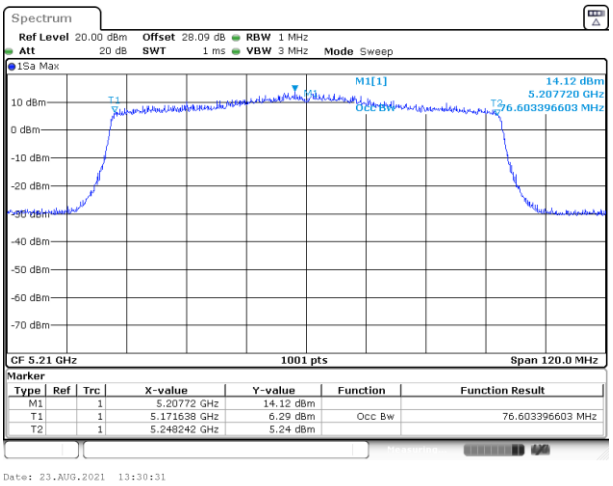
802.11ax HE20 CH36

26dB Bandwidth	99% Occupied Bandwidth
	

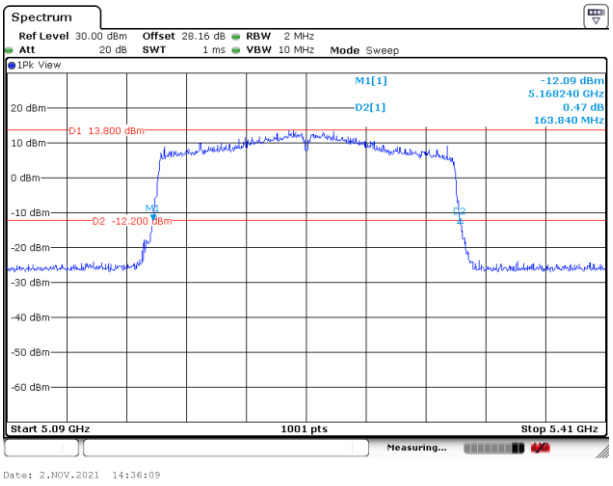
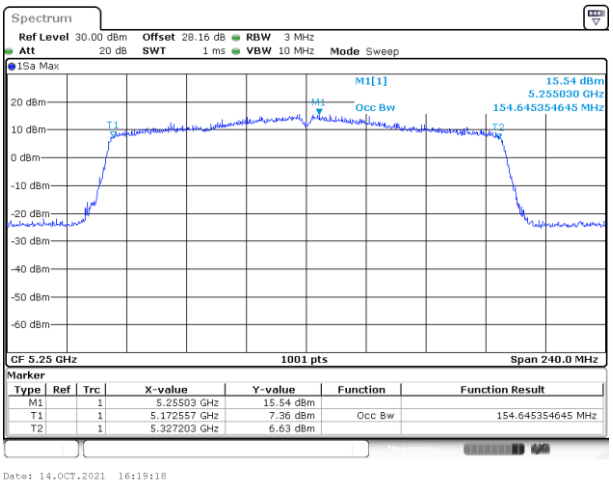
802.11ax HE40 CH38

26dB Bandwidth	99% Occupied Bandwidth
	

802.11ax HE80 CH42

26dB Bandwidth	99% Occupied Bandwidth
	

802.11ax HE160 CH50

26dB Bandwidth	99% Occupied Bandwidth
	

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ 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 an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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 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

See list of measuring equipment of this test report.

3.2.3 Test Procedures

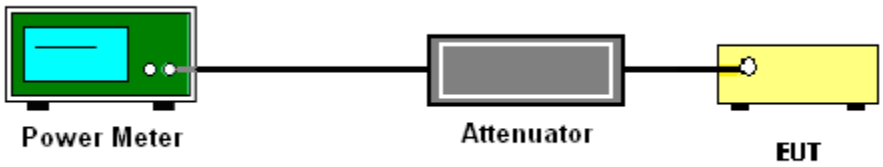
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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 the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz 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

See list of measuring equipment 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-3 #

(power averaging (rms) detection with max hold):

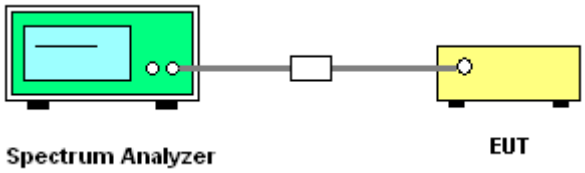
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and output 3 to obtain the value for the first frequency bin of the summed spectrum.

3.3.4 Test Setup

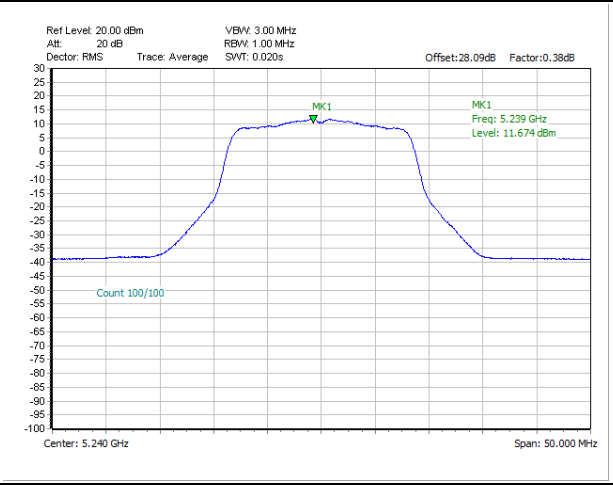


3.3.5 Test Result of Power Spectral Density

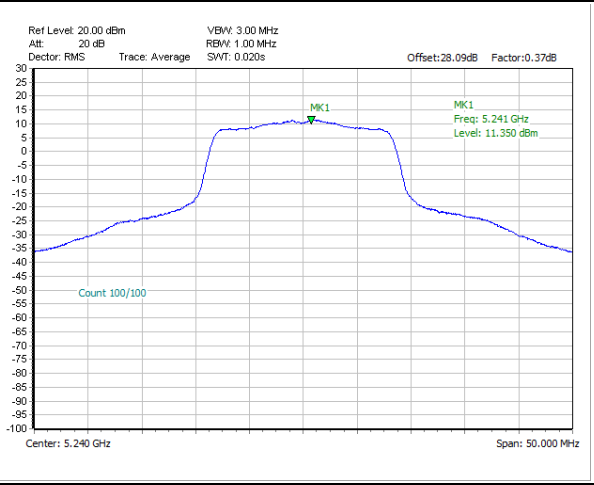
Please refer to Appendix A.

Worst Case Power Density

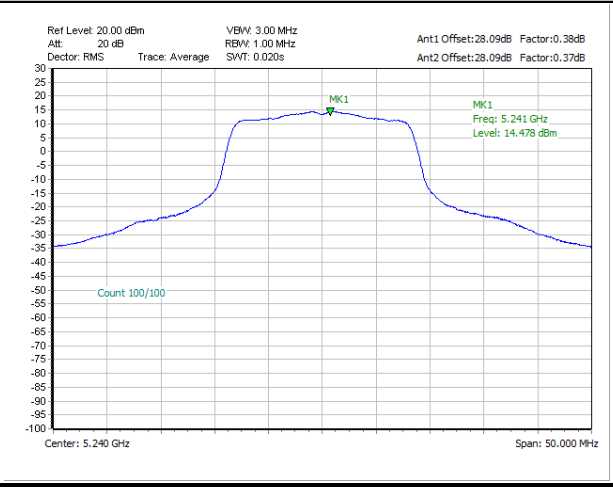
MIMO Ant. 4



MIMO Ant. 5



MIMO Ant. 4+5



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Worst Case Power Density	
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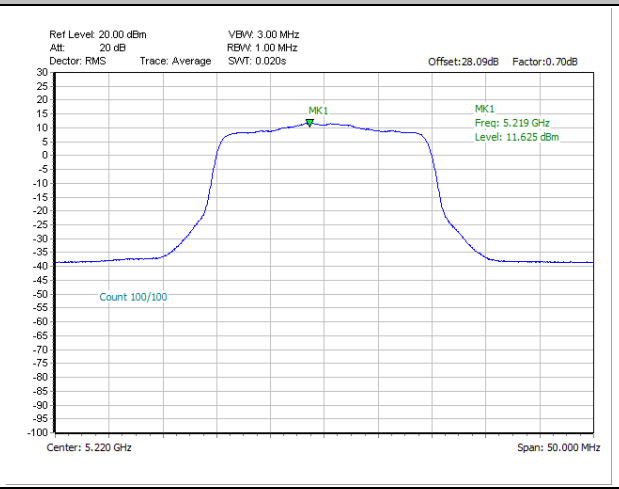
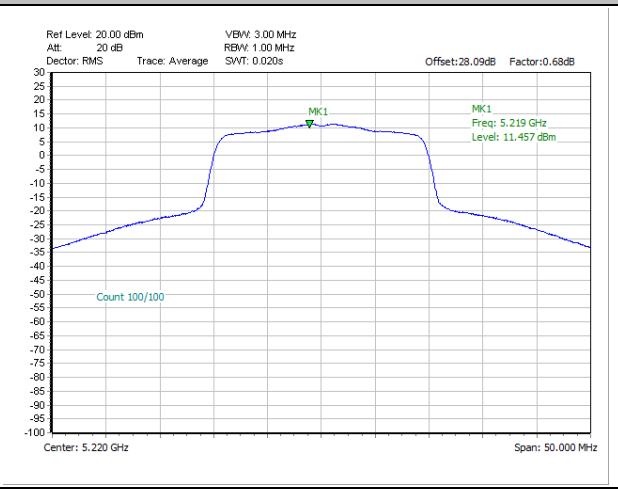
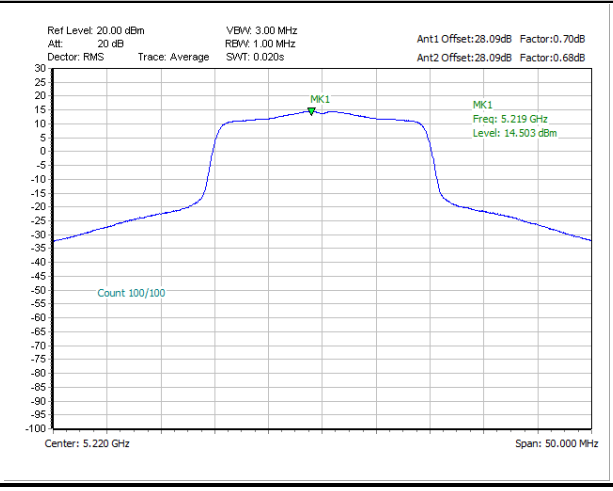
	
MIMO Ant. 4+5	
	

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 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz 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 following 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

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

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

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

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment 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 1000 MHz

- 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

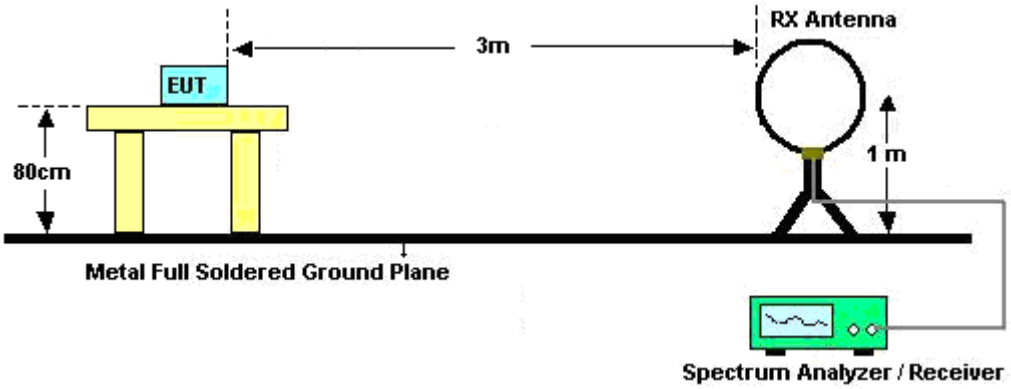
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

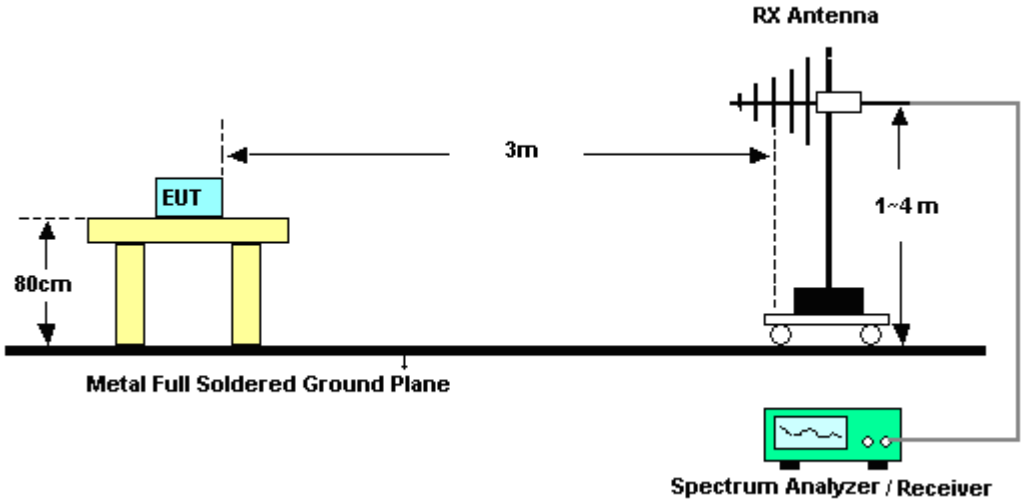
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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.
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. Radiated testing below 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

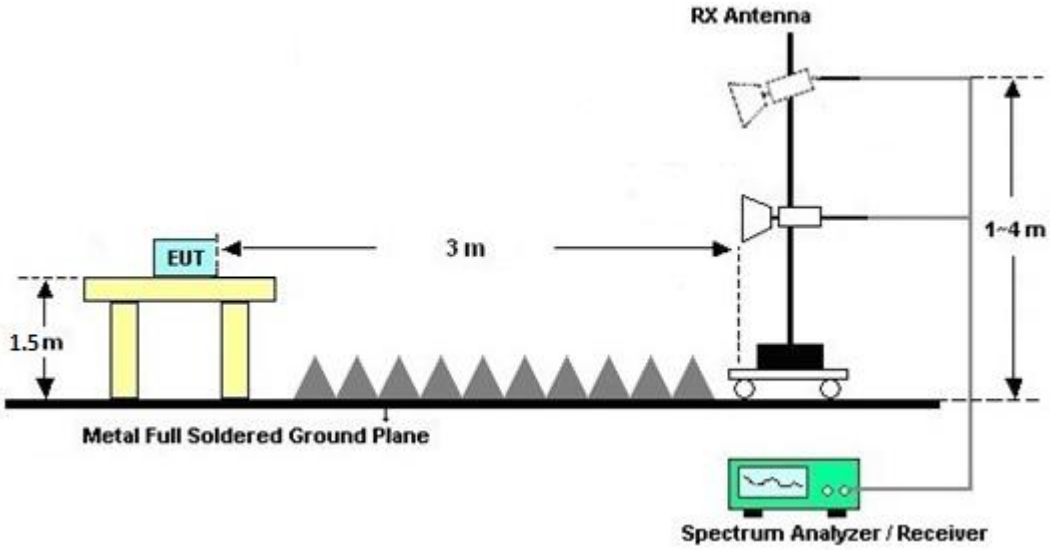
For radiated emissions below 30MHz



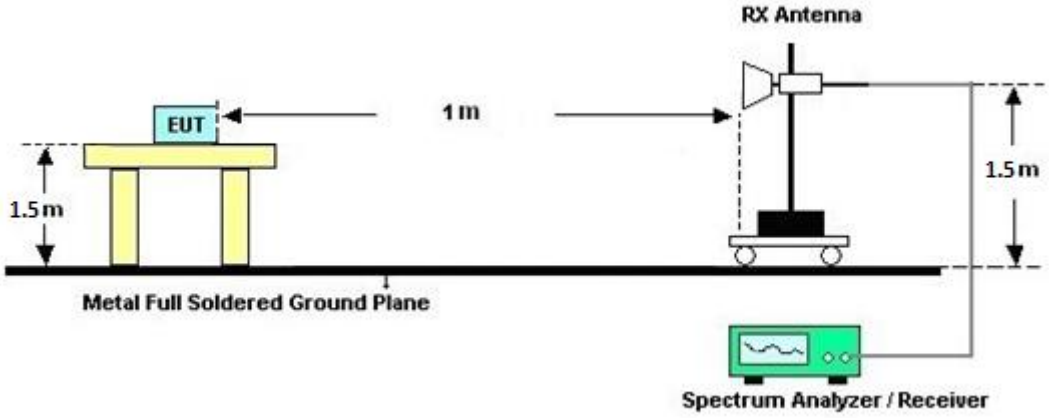
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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 adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and 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.

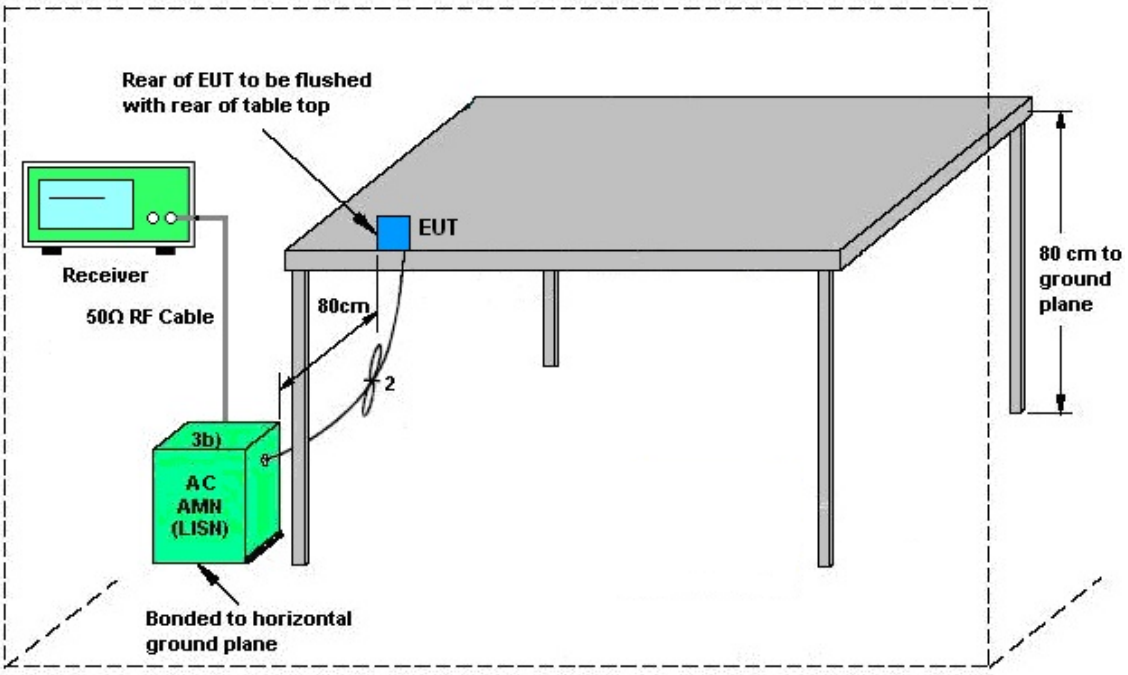
3.5.2 Measuring Instruments

See list of measuring equipment 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 shall 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



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

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

Refer to FCC KDB 662911 D01 Multiple Transmitter Output v02r01

<CDD Modes >

For power measurements on IEEE 802.11 devices,

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

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

Where G1, G2….GN denote single antenna gain.

For example: If a device has two antenna, G_{ANT1}= 3.6dBi; G_{ANT2}=4.2dBi

Directional gain of power measurement = max(3.6, 4.2) + 0 = 4.2 dBi

Directional gain of PSD measurement = $10 * \log[(10^{3.6/20} + 10^{4.2/20})^2 / 2]$ = 6.92 dBi

The directional gain of EUT is listed in the following table.

<CDD Modes>						
	Ant. 4 (dBi)	Ant. 5 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	5.71	4.78	5.71	8.27	0.00	2.27
Band II	5.71	4.78	5.71	8.27	0.00	2.27
Band III	5.71	4.78	5.71	8.27	0.00	2.27

Calculation example:

Directional gain of PSD measurement =

10 x log { [10^(5.71dBi/20) + 10^(4.78dBi/20)]^2 / 2 } = 8.07 dBi

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	R&S	HFH2-Z2E	100840	9kHz~30MHz	Jun. 21, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jun. 20, 2022	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Aug. 10, 2021	Aug. 11, 2021~ Oct. 18, 2021	Aug. 09, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Jul. 08, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 07, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00842	18GHz~40GHz	Jul. 20, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 19, 2022	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	Aug. 09, 2021	Aug. 11, 2021~ Oct. 18, 2021	Aug. 08, 2022	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	Jul. 27, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 26, 2022	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900251	1GHz~18GHz	Mar. 30, 2021	Aug. 11, 2021~ Oct. 18, 2021	Mar. 29, 2022	Radiation (03CH02-CA)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55004	1GHz~18GHz	Jul. 21, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 20, 2022	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	60725	18GHz-40GHz	Jul. 21, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 20, 2022	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 05, 2021	Aug. 11, 2021~ Oct. 18, 2021	Mar. 04, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN08	6.75GHz High Pass Filter	Jul. 23, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 22, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN10	3 GHz High Pass Filter	Jul. 23, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 22, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2G Low Pass	Jul. 23, 2021	Aug. 11, 2021~ Oct. 18, 2021	Jul. 22, 2022	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 04, 2021	Aug. 11, 2021~ Oct. 18, 2021	Aug. 03, 2022	Radiation (03CH02-CA)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Aug. 11, 2021~ Oct. 18, 2021	N/A	Radiation (03CH02-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Jul. 30, 2021	Aug. 19, 2021~ Nov. 18, 2021	Jul. 29, 2022	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR6W-1901024	10MHz-6GHz	Jul. 13, 2021	Aug. 19, 2021~ Nov. 18, 2021	Jul. 12, 2022	Conducted (TH01-CA)
Switch	EM Electronics	EMSW18	SW1070902	N/A	Aug. 03, 2021	Aug. 19, 2021~ Nov. 18, 2021	Aug. 02, 2022	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	Jun. 01, 2021	Aug. 19, 2021~ Nov. 18, 2021	May 31, 2022	Conducted (TH01-CA)
LISN	TESEQ	NNB51	47407	N/A	Jul. 21, 2021	Aug. 16, 2021~ Aug. 17, 2021	Jul. 20, 2022	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47415	N/A	Jun. 30, 2021	Aug. 16, 2021~ Aug. 17, 2021	Jun. 29, 2022	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9KHz~7GHz	Jun. 02, 2021	Aug. 16, 2021~ Aug. 17, 2021	Jun. 01, 2022	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jul. 07, 2021	Aug. 16, 2021~ Aug. 17, 2021	Jul. 06, 2022	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Aug. 16, 2021~ Aug. 17, 2021	N/A	Conduction (CO01-CA)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.0 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.2 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.4 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Steve Chen	Temperature:	18.6~23.3	°C
Test Date:	2021/8/19~2021/11/18	Relative Humidity:	34.1~53.8	%

TEST RESULTS DATA
26dB and 99% OBW

UNII-1 MIMO														
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)			Note
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	36	5180	16.28	16.28	19.65	18.80	-		22.12			
11a	6Mbps	2	44	5220	16.28	16.28	19.55	18.70	-		22.12			
11a	6Mbps	2	48	5240	16.33	16.28	19.05	18.90	-		22.12			

TEST RESULTS DATA
Average Power Table

FCC UNII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	36	5180	22.09	22.19	25.15	30.00		5.71			Pass
11a	6Mbps	2	44	5220	22.09	21.69	24.90	30.00		5.71			Pass
11a	6Mbps	2	48	5240	22.39	21.99	25.20	30.00		5.71			Pass
HT20	MCS0	2	36	5180	21.59	21.69	24.65	30.00		5.71			Pass
HT20	MCS0	2	44	5220	22.09	21.79	24.95	30.00		5.71			Pass
HT20	MCS0	2	48	5240	21.99	21.69	24.85	30.00		5.71			Pass
HT40	MCS0	2	38	5190	17.69	17.29	20.50	30.00		5.71			Pass
HT40	MCS0	2	46	5230	23.99	23.99	27.00	30.00		5.71			Pass
VHT20	MCS0	2	36	5180	21.59	21.69	24.65	30.00		5.71			Pass
VHT20	MCS0	2	44	5220	22.09	21.89	25.00	30.00		5.71			Pass
VHT20	MCS0	2	48	5240	21.99	21.59	24.80	30.00		5.71			Pass
VHT40	MCS0	2	38	5190	17.59	17.19	20.40	30.00		5.71			Pass
VHT40	MCS0	2	46	5230	24.39	24.29	27.35	30.00		5.71			Pass
VHT80	MCS0	2	42	5210	17.59	16.99	20.31	30.00		5.71			Pass
VHT160	MCS0	2	50	5250	18.39	18.19	21.30	30.00		5.71			Pass

TEST RESULTS DATA
Power Spectral Density

FCC UNII-1 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	36	5180	14.24	14.73		8.27			Pass
11a	6Mbps	2	44	5220	14.25	14.73		8.27			Pass
11a	6Mbps	2	48	5240	14.48	14.73		8.27			Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-2 MIMO															
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
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	
11a	6Mbps	2	52	5260	16.33	16.33	19.75	19.25	23.13		29.13		23.84		
11a	6Mbps	2	60	5300	16.33	16.33	19.65	19.45	23.13		29.13		23.89		
11a	6Mbps	2	64	5320	16.33	16.33	19.75	19.40	23.13		29.13		23.88		

TEST RESULTS DATA
Average Power Table

FCC UNII-2 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	52	5260	16.18	15.88	19.04	23.84		5.71		30	Pass
11a	6Mbps	2	60	5300	16.58	16.28	19.44	23.89		5.71		30	Pass
11a	6Mbps	2	64	5320	16.58	16.28	19.44	23.88		5.71		30	Pass
HT20	MCS0	2	52	5260	16.08	15.98	19.04	23.98		5.71		30	Pass
HT20	MCS0	2	60	5300	16.08	15.98	19.04	23.98		5.71		30	Pass
HT20	MCS0	2	64	5320	16.18	15.98	19.09	23.98		5.71		30	Pass
HT40	MCS0	2	54	5270	19.28	18.78	22.05	23.98		5.71		30	Pass
HT40	MCS0	2	62	5310	19.18	18.88	22.04	23.98		5.71		30	Pass
VHT20	MCS0	2	52	5260	16.18	15.98	19.09	23.98		5.71		30	Pass
VHT20	MCS0	2	60	5300	15.98	16.08	19.04	23.98		5.71		30	Pass
VHT20	MCS0	2	64	5320	16.18	16.08	19.14	23.98		5.71		30	Pass
VHT40	MCS0	2	54	5270	19.18	18.78	21.99	23.98		5.71		30	Pass
VHT40	MCS0	2	62	5310	19.08	18.78	21.94	23.98		5.71		30	Pass
VHT80	MCS0	2	58	5290	19.18	18.88	22.04	23.98		5.71		30	Pass

TEST RESULTS DATA
Power Spectral Density

UNII-2 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	52	5260			8.21	8.73		8.27			Pass
11a	6Mbps	2	60	5300			8.45	8.73		8.27			Pass
11a	6Mbps	2	64	5320			8.65	8.73		8.27			Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5
11a	6Mbps	2	100	5500	16.33	16.33	19.70	19.70	23.13		29.13		23.94	
11a	6Mbps	2	116	5580	16.33	16.33	19.80	19.70	23.13		29.13		23.94	
11a	6Mbps	2	140	5700	16.33	16.33	19.75	19.70	23.13		29.13		23.94	

UNII-3 straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth in UNII-3 (MHz)	
					Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5
11a	6Mbps	2	144	5720	13.19	13.19	15.20	15.15	22.20		28.20		22.80		2.55	2.54

TEST RESULTS DATA
Average Power Table

FCC UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	100	5500	16.77	16.47	19.63	23.94		5.71		30	Pass
11a	6Mbps	2	116	5580	16.27	16.17	19.23	23.94		5.71		30	Pass
11a	6Mbps	2	140	5700	16.27	16.27	19.28	23.94		5.71		30	Pass
HT20	MCS0	2	100	5500	16.27	16.07	19.18	23.98		5.71		30	Pass
HT20	MCS0	2	116	5580	16.17	16.07	19.13	23.98		5.71		30	Pass
HT20	MCS0	2	140	5700	15.57	15.77	18.68	23.98		5.71		30	Pass
HT40	MCS0	2	102	5510	18.97	18.97	21.98	23.98		5.71		30	Pass
HT40	MCS0	2	110	5550	19.47	19.17	22.33	23.98		5.71		30	Pass
HT40	MCS0	2	134	5670	18.67	18.77	21.73	23.98		5.71		30	Pass
VHT20	MCS0	2	100	5500	16.37	16.07	19.23	23.98		5.71		30	Pass
VHT20	MCS0	2	116	5580	16.17	16.17	19.18	23.98		5.71		30	Pass
VHT20	MCS0	2	140	5700	15.57	15.77	18.68	23.98		5.71		30	Pass
VHT40	MCS0	2	102	5510	18.97	18.97	21.98	23.98		5.71		30	Pass
VHT40	MCS0	2	110	5550	19.47	19.17	22.33	23.98		5.71		30	Pass
VHT40	MCS0	2	134	5670	18.77	18.67	21.73	23.98		5.71		30	Pass
VHT80	MCS0	2	106	5530	20.77	20.87	23.83	23.98		5.71		30	Pass
VHT80	MCS0	2	122	5610	20.47	20.57	23.53	23.98		5.71		30	Pass
VHT160	MCS0	2	114	5570	20.27	19.97	23.13	23.98		5.71		30	Pass

FCC UNII-3 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	144	5720	16.17	16.27	19.23	22.80		5.71		30	Pass
HT20	MCS0	2	144	5720	15.97	16.17	19.08	23.98		5.71		30	Pass
HT40	MCS0	2	142	5710	18.97	19.17	22.08	23.98		5.71		30	Pass
VHT20	MCS0	2	144	5720	15.97	16.17	19.08	23.98		5.71		30	Pass
VHT40	MCS0	2	142	5710	19.17	19.07	22.13	23.98		5.71		30	Pass
VHT80	MCS0	2	138	5690	20.57	20.47	23.53	23.98		5.71		30	Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	100	5500			8.66	8.73		8.27			Pass
11a	6Mbps	2	116	5580			8.59	8.73		8.27			Pass
11a	6Mbps	2	140	5700			8.52	8.73		8.27			Pass

UNII-3 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
11a	6Mbps	2	144	5720			8.27	8.73		8.27			Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	36	5180	Full	18.83	18.83	21.05	20.90	-		22.75			
HE20	MCS0	2	44	5220	Full	18.83	18.83	21.10	20.85	-		22.75			
HE20	MCS0	2	48	5240	Full	18.83	18.83	21.00	21.05	-		22.75			
HE40	MCS0	2	38	5190	Full	37.66	37.76	39.78	39.78	-		23.01			
HE40	MCS0	2	46	5230	Full	37.66	37.76	39.78	39.96	-		23.01			
HE80	MCS0	2	42	5210	Full	76.60	76.72	81.44	81.28	-		23.01			
HE160	MCS0	2	50	5250	Full	154.64	154.64	163.84	163.36	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC UNII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	36	5180	Full	21.79	21.99	24.90	30.00		5.71			Pass
HE20	MCS0	2	44	5220	Full	22.29	22.09	25.20	30.00		5.71			Pass
HE20	MCS0	2	48	5240	Full	22.19	21.99	25.10	30.00		5.71			Pass
HE40	MCS0	2	38	5190	Full	17.79	17.39	20.60	30.00		5.71			Pass
HE40	MCS0	2	46	5230	Full	24.89	24.59	27.75	30.00		5.71			Pass
HE80	MCS0	2	42	5210	Full	17.59	17.09	20.36	30.00		5.71			Pass
HE160	MCS0	2	50	5250	Full	18.49	18.19	21.35	30.00		5.71			Pass

TEST RESULTS DATA
Power Spectral Density

FCC UNII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	36	5180	Full			14.25	14.73		8.27			Pass
HE20	MCS0	2	44	5220	Full			14.50	14.73		8.27			Pass
HE20	MCS0	2	48	5240	Full			14.36	14.73		8.27			Pass
HE40	MCS0	2	38	5190	Full			6.84	14.73		8.27			Pass
HE40	MCS0	2	46	5230	Full			14.27	14.73		8.27			Pass
HE80	MCS0	2	42	5210	Full			4.65	14.73		8.27			Pass
HE160	MCS0	2	50	5250	Full			2.68	14.73		8.27			Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-2 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	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
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	
HE20	MCS0	2	52	5260	Full	18.83	18.83	20.90	21.10	23.75		29.75		23.98		
HE20	MCS0	2	60	5300	Full	18.83	18.83	21.00	21.15	23.75		29.75		23.98		
HE20	MCS0	2	64	5320	Full	18.83	18.83	21.15	20.90	23.75		29.75		23.98		
HE40	MCS0	2	54	5270	Full	37.66	37.66	39.78	39.87	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.66	37.76	39.60	39.69	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.72	76.60	81.60	81.44	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC UNII-2 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	52	5260	Full	16.78	16.58	19.69	23.98		5.71		30	Pass
HE20	MCS0	2	60	5300	Full	16.38	16.28	19.34	23.98		5.71		30	Pass
HE20	MCS0	2	64	5320	Full	16.48	16.18	19.34	23.98		5.71		30	Pass
HE40	MCS0	2	54	5270	Full	19.48	18.98	22.25	23.98		5.71		30	Pass
HE40	MCS0	2	62	5310	Full	19.38	19.08	22.24	23.98		5.71		30	Pass
HE80	MCS0	2	58	5290	Full	19.28	18.88	22.09	23.98		5.71		30	Pass

TEST RESULTS DATA
Power Spectral Density

UNII-2 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	52	5260	Full			8.60	8.73		8.27			Pass
HE20	MCS0	2	60	5300	Full			8.55	8.73		8.27			Pass
HE20	MCS0	2	64	5320	Full			8.59	8.73		8.27			Pass
HE40	MCS0	2	54	5270	Full			8.68	8.73		8.27			Pass
HE40	MCS0	2	62	5310	Full			8.59	8.73		8.27			Pass
HE80	MCS0	2	58	5290	Full			6.35	8.73		8.27			Pass

TEST RESULTS DATA
26dB and 99% OBW

UNII-3 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)	
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5
HE20	MCS0	2	100	5500	Full	18.83	18.83	20.95	21.10	23.75		29.75		23.98	
HE20	MCS0	2	116	5580	Full	18.83	18.83	21.00	21.05	23.75		29.75		23.98	
HE20	MCS0	2	140	5700	Full	18.83	18.83	20.95	21.05	23.75		29.75		23.98	
HE40	MCS0	2	102	5510	Full	37.76	37.66	39.96	39.96	23.98		30.00		23.98	
HE40	MCS0	2	110	5550	Full	37.76	37.76	39.87	40.05	23.98		30.00		23.98	
HE40	MCS0	2	134	5670	Full	37.76	37.76	40.05	40.14	23.98		30.00		23.98	
HE80	MCS0	2	106	5530	Full	76.72	76.72	81.60	81.44	23.98		30.00		23.98	
HE80	MCS0	2	122	5610	Full	76.60	76.72	81.92	81.28	23.98		30.00		23.98	
HE160	MCS0	2	114	5570	Full	155.12	155.12	163.84	163.52	23.98		30.00		23.98	

UNII-3 straddle channel MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth in UNII-3 (MHz)	
						Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5	Ant 4	Ant 5
HE20	MCS0	2	144	5720	Full	14.44	14.44	15.60	15.55	22.60		28.60		22.92		3.45	2.95
HE40	MCS0	2	142	5710	Full	33.88	33.88	34.98	34.98	23.98		30.00		23.98		3.45	3.54
HE80	MCS0	2	138	5690	Full	73.36	73.36	75.64	75.64	23.98		30.00		23.98		3.64	3.56

TEST RESULTS DATA
Average Power Table

FCC UNII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	100	5500	Full	16.47	16.37	19.43	23.98		5.71		30	Pass
HE20	MCS0	2	116	5580	Full	16.47	16.37	19.43	23.98		5.71		30	Pass
HE20	MCS0	2	140	5700	Full	15.97	15.97	18.98	23.98		5.71		30	Pass
HE40	MCS0	2	102	5510	Full	18.97	19.07	22.03	23.98		5.71		30	Pass
HE40	MCS0	2	110	5550	Full	19.47	19.27	22.38	23.98		5.71		30	Pass
HE40	MCS0	2	134	5670	Full	18.77	18.77	21.78	23.98		5.71		30	Pass
HE80	MCS0	2	106	5530	Full	20.87	20.87	23.88	23.98		5.71		30	Pass
HE80	MCS0	2	122	5610	Full	20.47	20.67	23.58	23.98		5.71		30	Pass
HE160	MCS0	2	114	5570	Full	20.97	20.67	23.83	23.98		5.71		30	Pass

FCC UNII-3 straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	144	5720	Full	16.27	16.47	19.38	22.92		5.71		30	Pass
HE40	MCS0	2	142	5710	Full	19.17	19.17	22.18	23.98		5.71		30	Pass
HE80	MCS0	2	138	5690	Full	20.57	20.57	23.58	23.98		5.71		30	Pass

TEST RESULTS DATA
Power Spectral Density

UNII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	100	5500	Full			8.66	8.73		8.27			Pass
HE20	MCS0	2	116	5580	Full			8.69	8.73		8.27			Pass
HE20	MCS0	2	140	5700	Full			8.27	8.73		8.27			Pass
HE40	MCS0	2	102	5510	Full			8.25	8.73		8.27			Pass
HE40	MCS0	2	110	5550	Full			8.69	8.73		8.27			Pass
HE40	MCS0	2	134	5670	Full			8.21	8.73		8.27			Pass
HE80	MCS0	2	106	5530	Full			8.14	8.73		8.27			Pass
HE80	MCS0	2	122	5610	Full			7.92	8.73		8.27			Pass
HE160	MCS0	2	114	5570	Full			4.58	8.73		8.27			Pass

UNII-3 straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 4	Ant 5	SUM	Ant 4	Ant 5	Ant 4	Ant 5		
HE20	MCS0	2	144	5720	Full			8.71	8.73		8.27			Pass
HE40	MCS0	2	142	5710	Full			8.39	8.73		8.27			Pass
HE80	MCS0	2	138	5690	Full			7.94	8.73		8.27			Pass

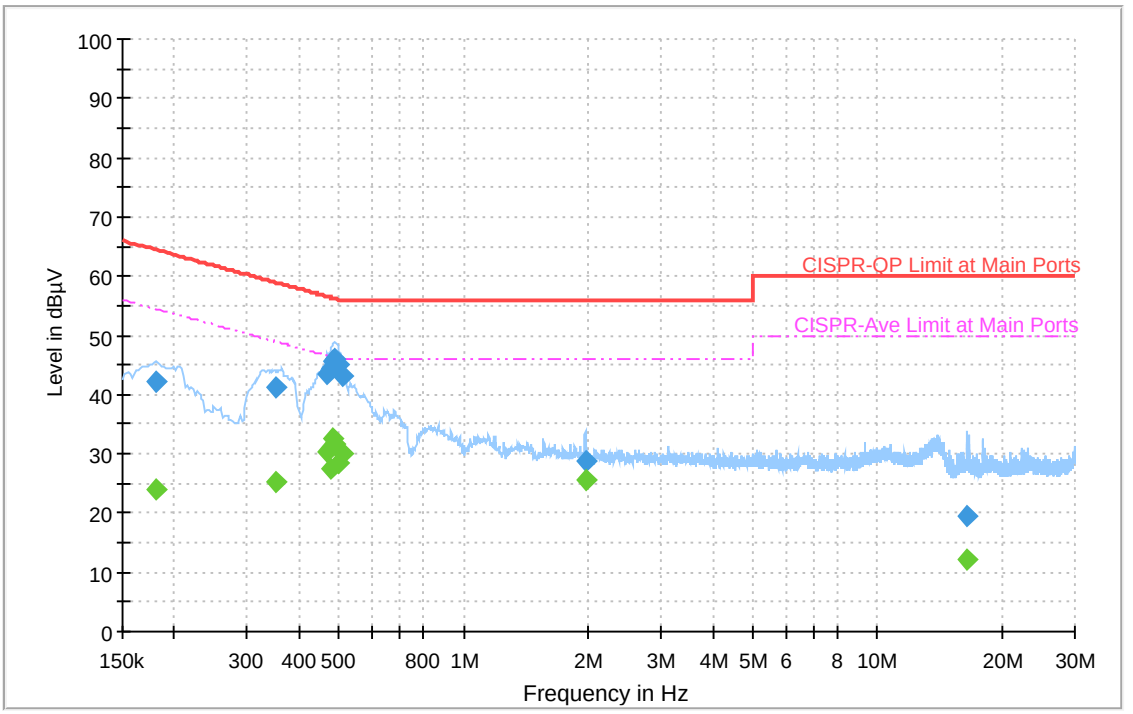
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jordan Huang	**Temperature :**	24~46℃
		Relative Humidity :	43~47%

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Mode:	1

Full Spectrum



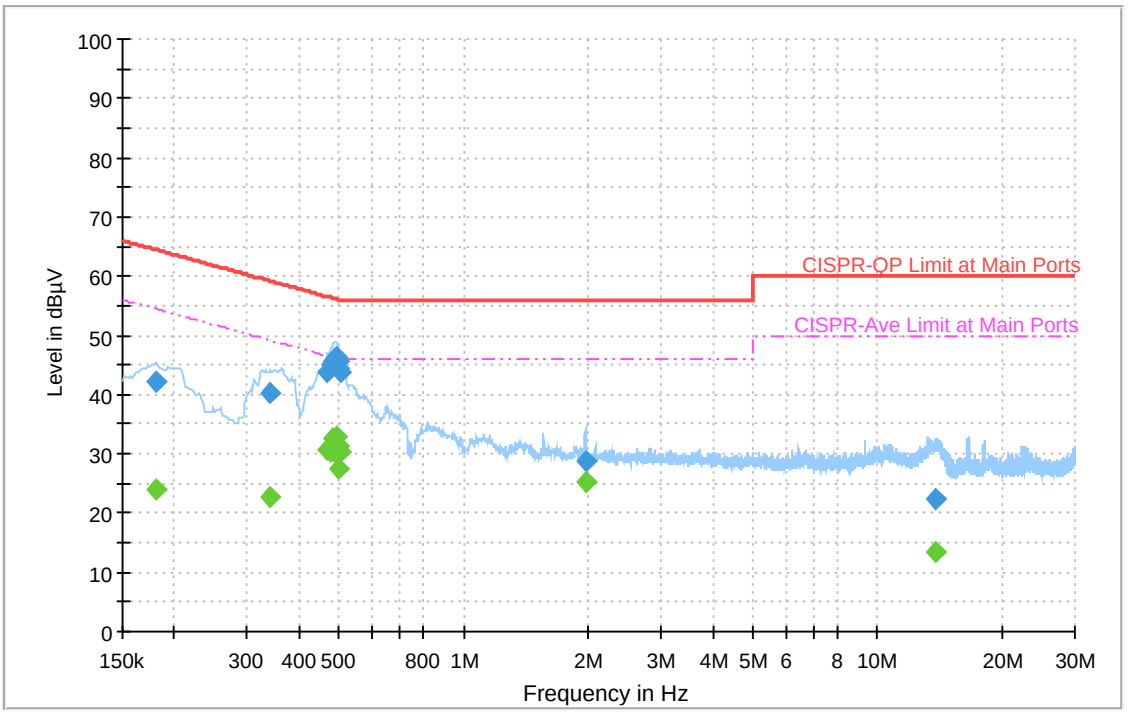
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	---	23.99	54.42	30.43	L1	OFF	20.3
0.181500	42.32	---	64.42	22.10	L1	OFF	20.3
0.350250	---	25.38	48.96	23.58	L1	OFF	20.3
0.350250	41.18	---	58.96	17.78	L1	OFF	20.3
0.469500	---	30.24	46.52	16.28	L1	OFF	20.3
0.469500	43.43	---	56.52	13.09	L1	OFF	20.3
0.476250	---	27.40	46.40	19.00	L1	OFF	20.3
0.476250	44.45	---	56.40	11.95	L1	OFF	20.3
0.483000	---	32.58	46.29	13.71	L1	OFF	20.3
0.483000	45.71	---	56.29	10.58	L1	OFF	20.3
0.489750	---	31.76	46.17	14.41	L1	OFF	20.3
0.489750	46.16	---	56.17	10.01	L1	OFF	20.3
0.498750	---	28.58	46.02	17.44	L1	OFF	20.3
0.498750	44.91	---	56.02	11.11	L1	OFF	20.3
0.507750	---	29.99	46.00	16.01	L1	OFF	20.3
0.507750	43.28	---	56.00	12.72	L1	OFF	20.3
1.965750	---	25.53	46.00	20.47	L1	OFF	20.3
1.965750	28.91	---	56.00	27.09	L1	OFF	20.3
16.417500	---	12.09	50.00	37.91	L1	OFF	20.6
16.417500	19.43	---	60.00	40.57	L1	OFF	20.6

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Mode:	1

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.181500	42.22	---	64.42	22.20	N	OFF	20.2
0.181500	---	23.94	54.42	30.48	N	OFF	20.2
0.341250	40.41	---	59.17	18.76	N	OFF	20.3
0.341250	---	22.72	49.17	26.45	N	OFF	20.3
0.469500	43.63	---	56.52	12.89	N	OFF	20.3
0.469500	---	30.52	46.52	16.00	N	OFF	20.3
0.478500	45.16	---	56.37	11.21	N	OFF	20.3
0.478500	---	30.28	46.37	16.09	N	OFF	20.3
0.483000	45.79	---	56.29	10.50	N	OFF	20.3
0.483000	---	32.61	46.29	13.68	N	OFF	20.3
0.487500	45.94	---	56.21	10.27	N	OFF	20.3
0.487500	---	30.40	46.21	15.81	N	OFF	20.3
0.492000	46.25	---	56.13	9.88	N	OFF	20.3
0.492000	---	33.06	46.13	13.07	N	OFF	20.3
0.496500	45.54	---	56.06	10.52	N	OFF	20.3
0.496500	---	31.16	46.06	14.90	N	OFF	20.3
0.501000	44.46	---	56.00	11.54	N	OFF	20.3
0.501000	---	27.34	46.00	18.66	N	OFF	20.3
0.505500	43.80	---	56.00	12.20	N	OFF	20.3
0.505500	---	30.32	46.00	15.68	N	OFF	20.3
1.965750	28.75	---	56.00	27.25	N	OFF	20.3
1.965750	---	25.35	46.00	20.65	N	OFF	20.3

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
13.796250	22.50	---	60.00	37.50	N	OFF	20.5
13.796250	---	13.50	50.00	36.50	N	OFF	20.5

Appendix C. Radiated Spurious Emission

Test Engineer :	Michael Bui and Daniel Lee	**Temperature :**	20~24°C
		Relative Humidity :	42~48%

UNII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.2	55.58	-18.42	74	41.66	31.94	11.19	29.21	309	135	P	H
		5147.16	48.68	-5.32	54	34.75	31.95	11.19	29.21	309	135	A	H
	*	5180	117.81	-	-	104.05	31.73	11.23	29.2	309	135	P	H
	*	5180	111.84	-	-	98.08	31.73	11.23	29.2	309	135	A	H
													H
													H
		5150	59.62	-14.38	74	45.78	31.86	11.19	29.21	205	141	P	V
		5150	52.04	-1.96	54	38.2	31.86	11.19	29.21	205	141	A	V
	*	5180	121.83	-	-	108.11	31.69	11.23	29.2	205	141	P	V
	*	5180	114.98	-	-	101.26	31.69	11.23	29.2	205	141	A	V
													V
													V
802.11a CH 44 5220MHz		5129.48	56.1	-17.9	74	42.14	31.99	11.17	29.2	306	134	P	H
		5149.24	47.3	-6.7	54	33.38	31.94	11.19	29.21	306	134	A	H
	*	5220	121.86	-	-	108.26	31.51	11.28	29.19	306	134	P	H
	*	5220	114.79	-	-	101.19	31.51	11.28	29.19	306	134	A	H
		5453	54.41	-19.59	74	40.26	31.82	11.48	29.15	306	134	P	H
		5412.4	46.03	-7.97	54	31.99	31.76	11.44	29.16	306	134	A	H
		5148.2	56.93	-17.07	74	43.09	31.86	11.19	29.21	214	140	P	V
		5150	48.55	-5.45	54	34.71	31.86	11.19	29.21	214	140	A	V
	*	5220	123.61	-	-	109.8	31.72	11.28	29.19	214	140	P	V
	*	5220	115.26	-	-	101.45	31.72	11.28	29.19	214	140	A	V
		5404.56	56.63	-17.37	74	42.68	31.68	11.43	29.16	214	140	P	V
		5412.68	49.32	-4.68	54	35.34	31.7	11.44	29.16	214	140	A	V

802.11a CH 48 5240MHz		5146.64	55.13	-18.87	74	41.2	31.95	11.19	29.21	276	137	P	H
		5143	46.31	-7.69	54	32.37	31.96	11.19	29.21	276	137	A	H
	*	5240	121.67	-	-	108.14	31.42	11.3	29.19	276	137	P	H
	*	5240	114.58	-	-	101.05	31.42	11.3	29.19	276	137	A	H
		5448.8	54.71	-19.29	74	40.57	31.82	11.47	29.15	276	137	P	H
		5432.56	45.61	-8.39	54	31.51	31.79	11.46	29.15	276	137	A	H
		5136.5	56.33	-17.67	74	42.47	31.88	11.18	29.2	194	141	P	V
		5143	47.42	-6.58	54	33.57	31.87	11.19	29.21	194	141	A	V
	*	5240	123.46	-	-	109.7	31.65	11.3	29.19	194	141	P	V
	*	5240	115.19	-	-	101.43	31.65	11.3	29.19	194	141	A	V
		5433.68	56.37	-17.63	74	42.32	31.74	11.46	29.15	194	141	P	V
		5432.84	48.62	-5.38	54	34.57	31.74	11.46	29.15	194	141	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	48.72	-19.48	68.2	61.43	39.41	16.63	68.75	-	-	P	H
		11037	50.03	-23.97	74	60.71	40.11	17.2	67.99	-	-	P	H
		11037	39.22	-14.78	54	49.9	40.11	17.2	67.99	-	-	A	H
		14491	52.79	-21.21	74	58.55	41.94	20.04	67.74	-	-	P	H
		14491	43.85	-10.15	54	49.61	41.94	20.04	67.74	-	-	A	H
		15540	47.82	-26.18	74	57.73	38.19	20.71	68.81	-	-	P	H
		18000	59.74	-14.26	74	57.33	48.82	23.01	69.42	-	-	P	H
		18000	50.85	-3.15	54	48.44	48.82	23.01	69.42	-	-	A	H
													H
													H
													H
802.11a CH 36 5180MHz													H
		10360	47.94	-20.26	68.2	60.73	39.33	16.63	68.75	-	-	P	V
		11499	50.23	-23.77	74	60.12	40.09	17.61	67.59	-	-	P	V
		11499	40.18	-13.82	54	50.07	40.09	17.61	67.59	-	-	A	V
		14491	52.45	-21.55	74	58.2	41.95	20.04	67.74	-	-	P	V
		14491	43.82	-10.18	54	49.57	41.95	20.04	67.74	-	-	A	V
		15540	47.84	-26.16	74	57.65	38.29	20.71	68.81	-	-	P	V
		18000	60.19	-13.81	74	57.56	49.04	23.01	69.42	-	-	P	V
		18000	51.04	-2.96	54	48.41	49.04	23.01	69.42	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	48.56	-19.64	68.2	60.96	39.6	16.7	68.7	-	-	P	H
		11367	50.69	-23.31	74	60.95	39.94	17.5	67.7	-	-	P	H
		11367	39.42	-14.58	54	49.68	39.94	17.5	67.7	-	-	A	H
		14491	52.02	-21.98	74	57.78	41.94	20.04	67.74	-	-	P	H
		14491	44.3	-9.7	54	50.06	41.94	20.04	67.74	-	-	A	H
		15660	65.07	-8.93	74	75.24	37.68	20.79	68.64	212	221	P	H
		15660	53.11	-0.89	54	63.28	37.68	20.79	68.64	212	221	A	H
		18000	61.14	-12.86	74	58.73	48.82	23.01	69.42	-	-	P	H
		18000	50.97	-3.03	54	48.56	48.82	23.01	69.42	-	-	A	H
													H
													H
802.11a													H
CH 44		10440	47.63	-20.57	68.2	60.06	39.57	16.7	68.7	-	-	P	V
5220MHz		11422	50.33	-23.67	74	60.46	39.98	17.55	67.66	-	-	P	V
		11422	39.7	-14.3	54	49.83	39.98	17.55	67.66	-	-	A	V
		14491	52.45	-21.55	74	58.2	41.95	20.04	67.74	-	-	P	V
		14491	43.98	-10.02	54	49.73	41.95	20.04	67.74	-	-	A	V
		15660	64.44	-9.56	74	74.53	37.76	20.79	68.64	302	355	P	V
		15660	53.17	-0.83	54	63.26	37.76	20.79	68.64	302	355	A	V
		18000	59.08	-14.92	74	56.45	49.04	23.01	69.42	-	-	P	V
		18000	51.24	-2.76	54	48.61	49.04	23.01	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	46.46	-21.74	68.2	58.71	39.7	16.73	68.68	-	-	P	H
		11433	48.95	-25.05	74	58.96	40.08	17.56	67.65	-	-	P	H
		11433	39.1	-14.9	54	49.11	40.08	17.56	67.65	-	-	A	H
		14491	51.46	-22.54	74	57.22	41.94	20.04	67.74	-	-	P	H
		14491	44.26	-9.74	54	50.02	41.94	20.04	67.74	-	-	A	H
		15720	64.79	-9.21	74	75.01	37.51	20.83	68.56	213	219	P	H
		15720	52.43	-1.57	54	62.65	37.51	20.83	68.56	213	219	A	H
		18000	58.95	-15.05	74	56.54	48.82	23.01	69.42	-	-	P	H
		18000	50.62	-3.38	54	48.21	48.82	23.01	69.42	-	-	A	H
													H
													H
802.11a CH 48 5240MHz													H
		10480	46.58	-21.62	68.2	58.89	39.64	16.73	68.68	-	-	P	V
		10861	48.49	-25.51	74	59.66	39.97	17.06	68.2	-	-	P	V
		10861	38.63	-15.37	54	49.8	39.97	17.06	68.2	-	-	A	V
		14491	51.35	-22.65	74	57.1	41.95	20.04	67.74	-	-	P	V
		14491	43.19	-10.81	54	48.94	41.95	20.04	67.74	-	-	A	V
		15720	63.42	-10.58	74	73.59	37.56	20.83	68.56	299	357	P	V
		15720	52.02	-1.98	54	62.19	37.56	20.83	68.56	299	357	A	V
		18000	59.86	-14.14	74	57.23	49.04	23.01	69.42	-	-	P	V
		18000	50.81	-3.19	54	48.18	49.04	23.01	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	62.55	-11.45	74	48.63	31.94	11.19	29.21	271	85	P	H
		5150	53.83	-0.17	54	39.91	31.94	11.19	29.21	271	85	A	H
	*	5180	116.02	-	-	102.11	31.88	11.23	29.2	271	85	P	H
	*	5180	108.22	-	-	94.31	31.88	11.23	29.2	271	85	A	H
802.11ax													H
HE20 Full													H
CH 36		5145.6	55.98	-18.02	74	42.13	31.87	11.19	29.21	315	45	P	V
5180MHz		5146.12	46.3	-7.7	54	32.45	31.87	11.19	29.21	315	45	A	V
	*	5180	110.97	-	-	97.25	31.69	11.23	29.2	315	45	P	V
	*	5180	102.48	-	-	88.76	31.69	11.23	29.2	315	45	A	V
													V
													V
		5150	57.99	-16.01	74	44.07	31.94	11.19	29.21	285	94	P	H
		5150	49.3	-4.7	54	35.38	31.94	11.19	29.21	285	94	A	H
	*	5220	123.8	-	-	110.2	31.51	11.28	29.19	285	94	P	H
	*	5220	116	-	-	102.4	31.51	11.28	29.19	285	94	A	H
802.11ax		5433.68	53.92	-20.08	74	39.82	31.79	11.46	29.15	285	94	P	H
HE20 Full		5411	44.67	-9.33	54	30.63	31.76	11.44	29.16	285	94	A	H
CH 44		5149.24	57	-17	74	43.16	31.86	11.19	29.21	300	212	P	V
5220MHz		5150	49.21	-4.79	54	35.37	31.86	11.19	29.21	300	212	A	V
	*	5220	123.55	-	-	109.94	31.52	11.28	29.19	300	212	P	V
	*	5220	115.58	-	-	101.97	31.52	11.28	29.19	300	212	A	V
		5409.32	55.6	-18.4	74	41.63	31.69	11.44	29.16	300	212	P	V
		5411.28	47.42	-6.58	54	33.45	31.69	11.44	29.16	300	212	A	V

		5144.3	54.03	-19.97	74	40.1	31.95	11.19	29.21	302	139	P	H
		5142.48	46.03	-7.97	54	32.09	31.96	11.19	29.21	302	139	A	H
	*	5240	120.87	-	-	107.34	31.42	11.3	29.19	302	139	P	H
	*	5240	113.67	-	-	100.14	31.42	11.3	29.19	302	139	A	H
802.11ax		5449.92	53.67	-20.33	74	39.53	31.82	11.47	29.15	302	139	P	H
HE20 Full		5432.84	44.46	-9.54	54	30.36	31.79	11.46	29.15	302	139	A	H
CH 48		5147.68	54.39	-19.61	74	40.54	31.87	11.19	29.21	212	147	P	V
5240MHz		5150	47.5	-6.5	54	33.66	31.86	11.19	29.21	212	147	A	V
	*	5240	124.41	-	-	110.83	31.47	11.3	29.19	212	147	P	V
	*	5240	116.6	-	-	103.02	31.47	11.3	29.19	212	147	A	V
		5439.84	55.69	-18.31	74	41.61	31.76	11.47	29.15	212	147	P	V
		5432.56	47.35	-6.65	54	33.3	31.74	11.46	29.15	212	147	A	V

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

UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.99	-20.21	68.2	60.7	39.41	16.63	68.75	-	-	P	H
		11202	49.55	-24.45	74	60.33	39.72	17.35	67.85	-	-	P	H
		11202	39.35	-14.65	54	50.13	39.72	17.35	67.85	-	-	A	H
		14491	51.19	-22.81	74	56.95	41.94	20.04	67.74	-	-	P	H
		14491	43.87	-10.13	54	49.63	41.94	20.04	67.74	-	-	A	H
		15540	50.31	-23.69	74	60.22	38.19	20.71	68.81	206	330	P	H
		15540	38.6	-15.4	54	48.51	38.19	20.71	68.81	206	330	A	H
		18000	58.49	-15.51	74	56.08	48.82	23.01	69.42	-	-	P	H
		18000	50.56	-3.44	54	48.15	48.82	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	47.51	-20.69	68.2	60.3	39.33	16.63	68.75	-	-	P	V
5180MHz		10971	49.73	-24.27	74	60.53	40.11	17.15	68.06	-	-	P	V
		10971	39.41	-14.59	54	50.21	40.11	17.15	68.06	-	-	A	V
		14491	52.75	-21.25	74	58.5	41.95	20.04	67.74	-	-	P	V
		14491	43.55	-10.45	54	49.3	41.95	20.04	67.74	-	-	A	V
		15540	59.8	-14.2	74	69.84	38.06	20.71	68.81	374	356	P	V
		15540	43.88	-10.12	54	53.92	38.06	20.71	68.81	374	356	A	V
		18000	58.88	-15.12	74	56.25	49.04	23.01	69.42	-	-	P	V
		18000	50.76	-3.24	54	48.13	49.04	23.01	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	48.51	-19.69	68.2	60.8	39.71	16.7	68.7	-	-	P	H
		11752	50.27	-23.73	74	60.86	39.26	17.85	67.7	-	-	P	H
		11752	39.1	-14.9	54	49.69	39.26	17.85	67.7	-	-	A	H
		14480	51.47	-22.53	74	57.45	41.73	20.04	67.75	-	-	P	H
		14480	44.04	-9.96	54	50.02	41.73	20.04	67.75	-	-	A	H
		15660	61.9	-12.1	74	72.18	37.57	20.79	68.64	211	219	P	H
		15660	50.72	-3.28	54	61	37.57	20.79	68.64	211	219	A	H
		17989	59.84	-14.16	74	58.11	48.15	23	69.42	-	-	P	H
		17989	49.43	-4.57	54	47.7	48.15	23	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	48.46	-19.74	68.2	60.73	39.73	16.7	68.7	-	-	P	V
5220MHz		11334	49.85	-24.15	74	60.18	39.93	17.47	67.73	-	-	P	V
		11334	39.8	-14.2	54	50.13	39.93	17.47	67.73	-	-	A	V
		14491	51.37	-22.63	74	57.44	41.63	20.04	67.74	-	-	P	V
		14491	43.84	-10.16	54	49.91	41.63	20.04	67.74	-	-	A	V
		15660	60.46	-13.54	74	70.59	37.72	20.79	68.64	100	143	P	V
		15660	49.61	-4.39	54	59.74	37.72	20.79	68.64	100	143	A	V
		17989	60.53	-13.47	74	59.19	47.76	23	69.42	-	-	P	V
		17989	49.43	-4.57	54	48.09	47.76	23	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	48.34	-19.86	68.2	60.52	39.77	16.73	68.68	-	-	P	H
		10817	49.78	-24.22	74	60.98	40.05	17.01	68.26	-	-	P	H
		10817	39.03	-14.97	54	50.23	40.05	17.01	68.26	-	-	A	H
		14491	52.26	-21.74	74	58.2	41.76	20.04	67.74	-	-	P	H
		14491	44.68	-9.32	54	50.62	41.76	20.04	67.74	-	-	A	H
		15720	62.09	-11.91	74	72.52	37.3	20.83	68.56	170	215	P	H
		15720	51.97	-2.03	54	62.4	37.3	20.83	68.56	170	215	A	H
		17956	61.05	-12.95	74	60.21	47.3	22.96	69.42	-	-	P	H
		17956	49.45	-4.55	54	48.61	47.3	22.96	69.42	-	-	A	H
802.11ax													
HE20 Full													
CH 48		10480	47.66	-20.54	68.2	59.79	39.82	16.73	68.68	-	-	P	V
5240MHz		11180	49.94	-24.06	74	60.57	39.9	17.34	67.87	-	-	P	V
		11180	39.23	-14.77	54	49.86	39.9	17.34	67.87	-	-	A	V
		14491	51.52	-22.48	74	57.59	41.63	20.04	67.74	-	-	P	V
		14491	44.35	-9.65	54	50.42	41.63	20.04	67.74	-	-	A	V
		15720	63.09	-10.91	74	73.31	37.51	20.83	68.56	400	352	P	V
		15720	52.65	-1.35	54	62.87	37.51	20.83	68.56	400	352	A	V
		17945	60.78	-13.22	74	60.5	46.75	22.95	69.42	-	-	P	V
		17945	49.48	-4.52	54	49.2	46.75	22.95	69.42	-	-	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-1 5150~5250MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.42	61.16	-12.84	74	47.23	31.95	11.19	29.21	282	89	P	H
		5149.76	51.22	-2.78	54	37.3	31.94	11.19	29.21	282	89	A	H
	*	5190	114.54	-	-	100.82	31.66	11.25	29.19	282	89	P	H
	*	5190	106.33	-	-	92.61	31.66	11.25	29.19	282	89	A	H
802.11ax		5444.6	54.2	-19.8	74	40.07	31.81	11.47	29.15	282	89	P	H
HE40 Full		5460	44.76	-9.24	54	30.6	31.83	11.48	29.15	282	89	A	H
CH 38		5150	61	-13	74	47.16	31.86	11.19	29.21	293	41	P	V
5190MHz		5150	49.11	-4.89	54	35.27	31.86	11.19	29.21	293	41	A	V
	*	5190	114.29	-	-	100.59	31.64	11.25	29.19	293	41	P	V
	*	5190	105.64	-	-	91.94	31.64	11.25	29.19	293	41	A	V
		5452.72	54.42	-19.58	74	40.3	31.79	11.48	29.15	293	41	P	V
		5460	44.7	-9.3	54	30.56	31.81	11.48	29.15	293	41	A	V
		5147.42	61.79	-12.21	74	48.68	31.99	11.19	30.07	292	85	P	H
		5147.94	52.56	-1.44	54	39.45	31.99	11.19	30.07	292	85	A	H
	*	5230	120.32	-	-	107.6	31.49	11.29	30.06	292	85	P	H
	*	5230	112.41	-	-	99.69	31.49	11.29	30.06	292	85	A	H
802.11ax		5456.36	55.08	-18.92	74	41.67	32.01	11.48	30.08	292	85	P	H
HE40 Full		5420.8	45.59	-8.41	54	32.34	31.87	11.45	30.07	292	85	A	H
CH 46		5144.82	61.56	-12.44	74	48.39	32.05	11.19	30.07	290	41	P	V
5230MHz		5143.26	51.39	-2.61	54	38.22	32.05	11.19	30.07	290	41	A	V
	*	5230	120.62	-	-	107.72	31.67	11.29	30.06	290	41	P	V
	*	5230	112.06	-	-	99.16	31.67	11.29	30.06	290	41	A	V
		5424.44	55.18	-18.82	74	41.94	31.86	11.45	30.07	290	41	P	V
		5424.44	46	-8	54	32.76	31.86	11.45	30.07	290	41	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	46.88	-21.32	68.2	59.43	39.55	16.64	68.74	-	-	P	H
		11389	50.1	-23.9	74	60.2	40.06	17.53	67.69	-	-	P	H
		11389	39.5	-14.5	54	49.6	40.06	17.53	67.69	-	-	A	H
		14491	51.56	-22.44	74	57.5	41.76	20.04	67.74	-	-	P	H
		14491	43.82	-10.18	54	49.76	41.76	20.04	67.74	-	-	A	H
		15570	46.92	-27.08	74	57.08	37.88	20.73	68.77	-	-	P	H
		17989	61.63	-12.37	74	59.9	48.15	23	69.42	-	-	P	H
		17989	49.53	-4.47	54	47.8	48.15	23	69.42	-	-	A	H
802.11ax													
HE40 Full													
CH 38		10380	47.71	-20.49	68.2	60.26	39.55	16.64	68.74	-	-	P	V
5190MHz		11334	50.09	-23.91	74	60.42	39.93	17.47	67.73	-	-	P	V
		11334	39.37	-14.63	54	49.7	39.93	17.47	67.73	-	-	A	V
		14491	51.73	-22.27	74	57.8	41.63	20.04	67.74	-	-	P	V
		14491	43.69	-10.31	54	49.76	41.63	20.04	67.74	-	-	A	V
		15570	46.64	-27.36	74	56.66	38.02	20.73	68.77	-	-	P	V
		17989	60.83	-13.17	74	59.49	47.76	23	69.42	-	-	P	V
		17989	49.53	-4.47	54	48.19	47.76	23	69.42	-	-	A	V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	47.56	-20.64	68.2	59.8	39.74	16.71	68.69	-	-	P	H
		11235	49.96	-24.04	74	60.57	39.83	17.38	67.82	-	-	P	H
		11235	39	-15	54	49.61	39.83	17.38	67.82	-	-	A	H
		14491	51.94	-22.06	74	57.88	41.76	20.04	67.74	-	-	P	H
		14491	43.85	-10.15	54	49.79	41.76	20.04	67.74	-	-	A	H
		15690	47.94	-26.06	74	58.32	37.41	20.81	68.6	-	-	P	H
		17989	60.93	-13.07	74	59.2	48.15	23	69.42	-	-	P	H
		17989	50.23	-3.77	54	48.5	48.15	23	69.42	-	-	A	H
802.11ax													
HE40 Full													
CH 46		10460	48.61	-19.59	68.2	60.81	39.78	16.71	68.69	-	-	P	V
5230MHz		10872	50.58	-23.42	74	61.46	40.25	17.06	68.19	-	-	P	V
		10872	39.55	-14.45	54	50.43	40.25	17.06	68.19	-	-	A	V
		14491	51.83	-22.17	74	57.9	41.63	20.04	67.74	-	-	P	V
		14491	43.22	-10.78	54	49.29	41.63	20.04	67.74	-	-	A	V
		15690	47.81	-26.19	74	57.98	37.62	20.81	68.6	-	-	P	V
		18000	60.5	-13.5	74	58.9	48.01	23.01	69.42	-	-	P	V
		18000	50.5	-3.5	54	48.9	48.01	23.01	69.42	-	-	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-1 5150~5250MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5149.76	58.63	-15.37	74	44.71	31.94	11.19	29.21	280	92	P	H
		5147.16	50.4	-3.6	54	36.47	31.95	11.19	29.21	280	92	A	H
	*	5210	112.8	-	-	99.17	31.55	11.27	29.19	280	92	P	H
	*	5210	104.06	-	-	90.43	31.55	11.27	29.19	280	92	A	H
		5457.2	53.78	-20.22	74	39.62	31.83	11.48	29.15	280	92	P	H
		5459.44	44.82	-9.18	54	30.66	31.83	11.48	29.15	280	92	A	H
		5148.98	56.38	-17.62	74	42.54	31.86	11.19	29.21	288	41	P	V
		5149.76	48.44	-5.56	54	34.6	31.86	11.19	29.21	288	41	A	V
	*	5210	112.71	-	-	99.08	31.55	11.27	29.19	288	41	P	V
	*	5210	103.1	-	-	89.47	31.55	11.27	29.19	288	41	A	V
		5448.8	54.49	-19.51	74	40.39	31.78	11.47	29.15	288	41	P	V
		5447.12	44.79	-9.21	54	30.7	31.77	11.47	29.15	288	41	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.62	-20.58	68.2	59.97	39.67	16.69	68.71	-	-	P	H
		11345	50.03	-23.97	74	60.36	39.91	17.48	67.72	-	-	P	H
		11345	38.37	-15.63	54	48.7	39.91	17.48	67.72	-	-	A	H
		14491	51.92	-22.08	74	57.86	41.76	20.04	67.74	-	-	P	H
		14491	43.72	-10.28	54	49.66	41.76	20.04	67.74	-	-	A	H
		15630	46.86	-27.14	74	57.09	37.69	20.77	68.69	-	-	P	H
		17967	61.44	-12.56	74	60.3	47.59	22.97	69.42	-	-	P	H
		17967	49.64	-4.36	54	48.5	47.59	22.97	69.42	-	-	A	H
802.11ax													
HE80 Full													
CH 42		10420	47.34	-20.86	68.2	59.68	39.68	16.69	68.71	-	-	P	V
5210MHz		11400	49.87	-24.13	74	59.95	40.07	17.53	67.68	-	-	P	V
		11400	39.94	-14.06	54	50.02	40.07	17.53	67.68	-	-	A	V
		14491	52.15	-21.85	74	58.22	41.63	20.04	67.74	-	-	P	V
		14491	43.61	-10.39	54	49.68	41.63	20.04	67.74	-	-	A	V
		15630	47.16	-26.84	74	57.28	37.8	20.77	68.69	-	-	P	V
		18000	61.2	-12.8	74	59.6	48.01	23.01	69.42	-	-	P	V
		18000	50.3	-3.7	54	48.7	48.01	23.01	69.42	-	-	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-1 5150~5250MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 50 5250MHz		5146.12	61.47	-12.53	74	47.54	31.95	11.19	29.21	295	91	P	H
		5150	52.23	-1.77	54	38.31	31.94	11.19	29.21	295	91	A	H
	*	5250	109.8	-	-	96.29	31.38	11.32	29.19	295	91	P	H
	*	5250	101.61	-	-	88.1	31.38	11.32	29.19	295	91	A	H
		5367.04	61.38	-12.62	74	47.54	31.59	11.41	29.16	295	91	P	H
		5350	52.09	-1.91	54	38.33	31.52	11.4	29.16	295	91	A	H
		5148.46	59.24	-14.76	74	45.4	31.86	11.19	29.21	287	40	P	V
		5147.68	51.01	-2.99	54	37.16	31.87	11.19	29.21	287	40	A	V
	*	5250	111.26	-	-	97.69	31.44	11.32	29.19	287	40	P	V
	*	5250	101.59	-	-	88.02	31.44	11.32	29.19	287	40	A	V
		5353.32	60.27	-13.73	74	46.52	31.51	11.4	29.16	287	40	P	V
		5353.88	51.61	-2.39	54	37.85	31.52	11.4	29.16	287	40	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10500	48.29	-19.91	68.2	60.4	39.81	16.75	68.67	-	-	P	H
		12423	49.23	-24.77	74	59.22	38.7	18.44	67.13	-	-	P	H
		12423	39.68	-14.32	54	49.67	38.7	18.44	67.13	-	-	A	H
		14491	51.62	-22.38	74	57.56	41.76	20.04	67.74	-	-	P	H
		14491	44.39	-9.61	54	50.33	41.76	20.04	67.74	-	-	A	H
		15750	47.24	-26.76	74	57.69	37.21	20.85	68.51	-	-	P	H
		17989	61.13	-12.87	74	59.4	48.15	23	69.42	-	-	P	H
		17989	50.33	-3.67	54	48.6	48.15	23	69.42	-	-	A	H
													H
													H
802.11ax													H
HE160 Full													H
CH 50		10500	46.54	-21.66	68.2	58.6	39.86	16.75	68.67	-	-	P	V
5250MHz		11279	49.65	-24.35	74	60.1	39.9	17.43	67.78	-	-	P	V
		11279	39.43	-14.57	54	49.88	39.9	17.43	67.78	-	-	A	V
		14491	52.14	-21.86	74	58.21	41.63	20.04	67.74	-	-	P	V
		14491	44.13	-9.87	54	50.2	41.63	20.04	67.74	-	-	A	V
		15750	47.1	-26.9	74	57.37	37.39	20.85	68.51	-	-	P	V
		17967	60.7	-13.3	74	59.9	47.25	22.97	69.42	-	-	P	V
		17967	49.6	-4.4	54	48.8	47.25	22.97	69.42	-	-	A	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5001.36	54.48	-19.52	74	41.35	31.66	10.73	29.26	296	89	P	H
		5140.76	45.89	-8.11	54	31.96	31.96	11.18	29.21	296	89	A	H
	*	5260	123.12	-	-	109.59	31.38	11.33	29.18	296	89	P	H
	*	5260	116.09	-	-	102.56	31.38	11.33	29.18	296	89	A	H
		5353.2	55.36	-18.64	74	41.59	31.53	11.4	29.16	296	89	P	H
		5451.12	47.96	-6.04	54	33.81	31.82	11.48	29.15	296	89	A	H
		5138.04	54.38	-19.62	74	40.53	31.88	11.18	29.21	271	39	P	V
		5143.82	45.97	-8.03	54	32.12	31.87	11.19	29.21	271	39	A	V
	*	5260	123.15	-	-	109.58	31.42	11.33	29.18	271	39	P	V
	*	5260	115.77	-	-	102.2	31.42	11.33	29.18	271	39	A	V
		5449.2	55.34	-18.66	74	41.24	31.78	11.47	29.15	271	39	P	V
		5453.76	47.93	-6.07	54	33.81	31.79	11.48	29.15	271	39	A	V
802.11a CH 60 5300MHz		5142.12	54.87	-19.13	74	40.94	31.96	11.18	29.21	212	94	P	H
		5108.8	46.01	-7.99	54	32.01	32.05	11.14	29.19	212	94	A	H
	*	5300	120.16	-	-	106.55	31.38	11.37	29.14	212	94	P	H
	*	5300	112.82	-	-	99.21	31.38	11.37	29.14	212	94	A	H
		5350.32	55.43	-18.57	74	41.67	31.52	11.4	29.16	212	94	P	H
		5351.28	48.66	-5.34	54	34.9	31.52	11.4	29.16	212	94	A	H
		5108.12	55.64	-18.36	74	41.76	31.93	11.14	29.19	209	140	P	V
		5108.8	47.8	-6.2	54	33.92	31.93	11.14	29.19	209	140	A	V
	*	5300	123.52	-	-	109.94	31.35	11.37	29.14	209	140	P	V
	*	5300	116.62	-	-	103.04	31.35	11.37	29.14	209	140	A	V
		5351.28	63.09	-10.91	74	49.34	31.51	11.4	29.16	209	140	P	V
		5352.24	52.51	-1.49	54	38.76	31.51	11.4	29.16	209	140	A	V

802.11a CH 64 5320MHz	*	5320	118.07	-	-	104.4	31.44	11.38	29.15	202	94	P	H
	*	5320	110.97	-	-	97.3	31.44	11.38	29.15	202	94	A	H
		5425.28	55.83	-18.17	74	41.75	31.78	11.45	29.15	202	94	P	H
		5350.88	48.02	-5.98	54	34.26	31.52	11.4	29.16	202	94	A	H
	*	5320	122.24	-	-	108.6	31.41	11.38	29.15	200	141	P	V
	*	5320	115.18	-	-	101.54	31.41	11.38	29.15	200	141	A	V
		5351.36	60.48	-13.52	74	46.73	31.51	11.4	29.16	200	141	P	V
		5350.08	52.72	-1.28	54	38.98	31.5	11.4	29.16	200	141	A	V

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

UNII-2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	49.53	-18.67	68.2	61.56	39.84	16.77	68.64	-	-	P	H
		11389	50.78	-23.22	74	60.88	40.06	17.53	67.69	-	-	P	H
		11389	39.95	-14.05	54	50.05	40.06	17.53	67.69	-	-	A	H
		14491	51.73	-22.27	74	57.67	41.76	20.04	67.74	-	-	P	H
		14491	43.61	-10.39	54	49.55	41.76	20.04	67.74	-	-	A	H
		15780	62.85	-11.15	74	73.31	37.13	20.88	68.47	209	212	P	H
		15780	52.03	-1.97	54	62.49	37.13	20.88	68.47	209	212	A	H
		18000	61.52	-12.48	74	59.5	48.43	23.01	69.42	-	-	P	H
		18000	49.82	-4.18	54	47.8	48.43	23.01	69.42	-	-	A	H
802.11a CH 52 5260MHz													
		10520	48.21	-19.99	68.2	60.23	39.85	16.77	68.64	-	-	P	V
		11367	50.33	-23.67	74	60.54	39.99	17.5	67.7	-	-	P	V
		11367	39.9	-14.1	54	50.11	39.99	17.5	67.7	-	-	A	V
		14491	51.82	-22.18	74	57.89	41.63	20.04	67.74	-	-	P	V
		14491	43.99	-10.01	54	50.06	41.63	20.04	67.74	-	-	A	V
		15780	62.4	-11.6	74	72.64	37.35	20.88	68.47	400	210	P	V
		15780	52.37	-1.63	54	62.61	37.35	20.88	68.47	400	210	A	V
		17989	60.23	-13.77	74	58.89	47.76	23	69.42	-	-	P	V
		17989	49.53	-4.47	54	48.19	47.76	23	69.42	-	-	A	V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.75	-26.25	74	59.65	39.81	16.83	68.54	-	-	P	H
		11312	50	-24	74	60.45	39.85	17.45	67.75	-	-	P	H
		11312	39.06	-14.94	54	49.51	39.85	17.45	67.75	-	-	A	H
		14491	51.83	-22.17	74	57.77	41.76	20.04	67.74	-	-	P	H
		14491	44.07	-9.93	54	50.01	41.76	20.04	67.74	-	-	A	H
		15900	58.22	-15.78	74	68.64	36.92	20.96	68.3	200	212	P	H
		15900	48.26	-5.74	54	58.68	36.92	20.96	68.3	200	212	A	H
		17945	59.67	-14.33	74	59.1	47.04	22.95	69.42	-	-	P	H
		17945	49.77	-4.23	54	49.2	47.04	22.95	69.42	-	-	A	H
													H
													H
i802.11a CH 60 5300MHz													H
		10600	47.99	-26.01	74	59.94	39.76	16.83	68.54	-	-	P	V
		10905	50.84	-23.16	74	61.6	40.29	17.09	68.14	-	-	P	V
		10905	39.39	-14.61	54	50.15	40.29	17.09	68.14	-	-	A	V
		14491	51.79	-22.21	74	57.86	41.63	20.04	67.74	-	-	P	V
		14491	43.97	-10.03	54	50.04	41.63	20.04	67.74	-	-	A	V
		15900	62.65	-11.35	74	72.79	37.2	20.96	68.3	392	211	P	V
		15900	50.24	-3.76	54	60.38	37.2	20.96	68.3	392	211	A	V
		17989	60.83	-13.17	74	59.49	47.76	23	69.42	-	-	P	V
		17989	50.03	-3.97	54	48.69	47.76	23	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	47.77	-26.23	74	59.59	39.8	16.87	68.49	-	-	P	H
		11389	50.84	-23.16	74	60.94	40.06	17.53	67.69	-	-	P	H
		11389	39.65	-14.35	54	49.75	40.06	17.53	67.69	-	-	A	H
		14491	52.29	-21.71	74	58.23	41.76	20.04	67.74	-	-	P	H
		14491	43.26	-10.74	54	49.2	41.76	20.04	67.74	-	-	A	H
		15960	56.43	-17.57	74	66.69	36.96	21	68.22	169	219	P	H
		15960	43.49	-10.51	54	53.75	36.96	21	68.22	169	219	A	H
		17978	60.34	-13.66	74	58.9	47.87	22.99	69.42	-	-	P	H
		17978	49.34	-4.66	54	47.9	47.87	22.99	69.42	-	-	A	H
													H
													H
802.11a CH 64 5320MHz													H
		10640	47.68	-26.32	74	59.51	39.79	16.87	68.49	-	-	P	V
		11323	50.76	-23.24	74	61.11	39.93	17.46	67.74	-	-	P	V
		11323	40.76	-13.24	54	51.11	39.93	17.46	67.74	-	-	A	V
		14491	52.44	-21.56	74	58.51	41.63	20.04	67.74	-	-	P	V
		14491	42.73	-11.27	54	48.8	41.63	20.04	67.74	-	-	A	V
		15960	58.47	-15.53	74	68.55	37.14	21	68.22	389	241	P	V
		15960	44.78	-9.22	54	54.86	37.14	21	68.22	389	241	A	V
		17945	59.58	-14.42	74	59.3	46.75	22.95	69.42	-	-	P	V
		17945	49.48	-4.52	54	49.2	46.75	22.95	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-2 5250~5350MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5139.4	54.4	-19.6	74	41.28	32.01	11.18	30.07	283	91	P	H
		5149.94	44.75	-9.25	54	31.65	31.98	11.19	30.07	283	91	A	H
	*	5260	123.02	-	-	110.35	31.4	11.33	30.06	283	91	P	H
	*	5260	115.07	-	-	102.4	31.4	11.33	30.06	283	91	A	H
802.11ax		5453.52	55.38	-18.62	74	41.98	32	11.48	30.08	283	91	P	H
HE20 Full		5450.88	46.96	-7.04	54	33.56	32	11.48	30.08	283	91	A	H
CH 52		5133.28	53.47	-20.53	74	40.3	32.07	11.17	30.07	371	38	P	V
5260MHz		5148.58	44.74	-9.26	54	31.58	32.04	11.19	30.07	371	38	A	V
	*	5260	122.33	-	-	109.5	31.56	11.33	30.06	371	38	P	V
	*	5260	114.52	-	-	101.69	31.56	11.33	30.06	371	38	A	V
		5452.8	54.98	-19.02	74	41.62	31.96	11.48	30.08	371	38	P	V
		5453.04	46.16	-7.84	54	32.8	31.96	11.48	30.08	371	38	A	V
		5140.42	53.68	-20.32	74	40.57	32	11.18	30.07	225	85	P	H
		5039.78	45.23	-8.77	54	32.48	31.95	10.88	30.08	225	85	A	H
	*	5300	119.74	-	-	107.05	31.4	11.37	30.08	225	85	P	H
	*	5300	112.27	-	-	99.58	31.4	11.37	30.08	225	85	A	H
802.11ax		5351.28	59.47	-14.53	74	46.59	31.55	11.4	30.07	225	85	P	H
HE20 Full		5352.24	48.27	-5.73	54	35.39	31.55	11.4	30.07	225	85	A	H
CH 60		5107.44	55.33	-18.67	74	42.14	32.13	11.14	30.08	161	143	P	V
5300MHz		5109.14	46.58	-7.42	54	33.39	32.13	11.14	30.08	161	143	A	V
	*	5300	122.14	-	-	109.46	31.39	11.37	30.08	161	143	P	V
	*	5300	116.63	-	-	103.95	31.39	11.37	30.08	161	143	A	V
		5351.52	62.74	-11.26	74	49.87	31.54	11.4	30.07	161	143	P	V
		5353.2	52.34	-1.66	54	39.46	31.55	11.4	30.07	161	143	A	V

	*	5320	118.16	-	-	105.4	31.46	11.38	30.08	213	88	P	H
	*	5320	109.79	-	-	97.03	31.46	11.38	30.08	213	88	A	H
		5351.36	55.42	-18.58	74	42.54	31.55	11.4	30.07	213	88	P	H
		5351.84	46.51	-7.49	54	33.63	31.55	11.4	30.07	213	88	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	122.8	-	-	110.05	31.45	11.38	30.08	158	141	P	V
5320MHz	*	5320	114.03	-	-	101.28	31.45	11.38	30.08	158	141	A	V
		5353.12	59.95	-14.05	74	47.07	31.55	11.4	30.07	158	141	P	V
		5350	50.52	-3.48	54	37.66	31.53	11.4	30.07	158	141	A	V
													V
													V

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

UNII-2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	49.98	-18.22	68.2	62.01	39.84	16.77	68.64	-	-	P	H
		11433	50.02	-23.98	74	59.97	40.14	17.56	67.65	-	-	P	H
		11433	40.16	-13.84	54	50.11	40.14	17.56	67.65	-	-	A	H
		14491	51.51	-22.49	74	57.45	41.76	20.04	67.74	-	-	P	H
		14491	42.72	-11.28	54	48.66	41.76	20.04	67.74	-	-	A	H
		15780	61.42	-12.58	74	71.88	37.13	20.88	68.47	201	213	P	H
		15780	50.79	-3.21	54	61.25	37.13	20.88	68.47	201	213	A	H
		17956	60.15	-13.85	74	59.31	47.3	22.96	69.42	-	-	P	H
		17956	49.45	-4.55	54	48.61	47.3	22.96	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	47.13	-21.07	68.2	59.15	39.85	16.77	68.64	-	-	P	V
5260MHz		10982	50.73	-23.27	74	61.31	40.3	17.16	68.04	-	-	P	V
		10982	40.78	-13.22	54	51.36	40.3	17.16	68.04	-	-	A	V
		14491	51.78	-22.22	74	57.85	41.63	20.04	67.74	-	-	P	V
		14491	43.04	-10.96	54	49.11	41.63	20.04	67.74	-	-	A	V
		15780	63.16	-10.84	74	73.4	37.35	20.88	68.47	400	212	P	V
		15780	51.36	-2.64	54	61.6	37.35	20.88	68.47	400	212	A	V
		17989	59.93	-14.07	74	58.59	47.76	23	69.42	-	-	P	V
		17989	50.03	-3.97	54	48.69	47.76	23	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.09	-26.91	74	58.99	39.81	16.83	68.54	-	-	P	H
		11312	50.07	-23.93	74	60.52	39.85	17.45	67.75	-	-	P	H
		11312	40.77	-13.23	54	51.22	39.85	17.45	67.75	-	-	A	H
		14491	51.92	-22.08	74	57.86	41.76	20.04	67.74	-	-	P	H
		14491	43.5	-10.5	54	49.44	41.76	20.04	67.74	-	-	A	H
		15900	60.3	-13.7	74	70.72	36.92	20.96	68.3	207	220	P	H
		15900	48.73	-5.27	54	59.15	36.92	20.96	68.3	207	220	A	H
		17956	60.35	-13.65	74	59.51	47.3	22.96	69.42	-	-	P	H
		17956	49.45	-4.55	54	48.61	47.3	22.96	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	47.87	-26.13	74	59.82	39.76	16.83	68.54	-	-	P	V
5300MHz		11246	50.42	-23.58	74	60.96	39.88	17.39	67.81	-	-	P	V
		11246	38.83	-15.17	54	49.37	39.88	17.39	67.81	-	-	A	V
		14491	51.48	-22.52	74	57.55	41.63	20.04	67.74	-	-	P	V
		14491	43.45	-10.55	54	49.52	41.63	20.04	67.74	-	-	A	V
		15900	62.34	-11.66	74	72.48	37.2	20.96	68.3	400	210	P	V
		15900	50.14	-3.86	54	60.28	37.2	20.96	68.3	400	210	A	V
		17978	60.37	-13.63	74	59.3	47.5	22.99	69.42	-	-	P	V
		17978	49.67	-4.33	54	48.6	47.5	22.99	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	47.85	-26.15	74	59.67	39.8	16.87	68.49	-	-	P	H
		11279	50.13	-23.87	74	60.66	39.82	17.43	67.78	-	-	P	H
		11279	39.27	-14.73	54	49.8	39.82	17.43	67.78	-	-	A	H
		14491	52.61	-21.39	74	58.55	41.76	20.04	67.74	-	-	P	H
		14491	44.12	-9.88	54	50.06	41.76	20.04	67.74	-	-	A	H
		15960	47.75	-26.25	74	58.01	36.96	21	68.22	-	-	P	H
		18000	59.81	-14.19	74	57.79	48.43	23.01	69.42	-	-	P	H
		18000	49.99	-4.01	54	47.97	48.43	23.01	69.42	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	47.87	-26.13	74	59.7	39.79	16.87	68.49	-	-	P	V
5320MHz		11279	50.99	-23.01	74	61.44	39.9	17.43	67.78	-	-	P	V
		11279	40.98	-13.02	54	51.43	39.9	17.43	67.78	-	-	A	V
		14491	52.16	-21.84	74	58.23	41.63	20.04	67.74	-	-	P	V
		14491	43.21	-10.79	54	49.28	41.63	20.04	67.74	-	-	A	V
		15960	47.91	-26.09	74	57.99	37.14	21	68.22	-	-	P	V
		18000	58.98	-15.02	74	57.38	48.01	23.01	69.42	-	-	P	V
		18000	49.59	-4.41	54	47.99	48.01	23.01	69.42	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-2 5250~5350MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5119.68	54.74	-19.26	74	41.61	32.05	11.16	30.08	288	132	P	H
		5145.18	46.03	-7.97	54	32.92	31.99	11.19	30.07	288	132	A	H
	*	5270	116.54	-	-	103.86	31.4	11.34	30.06	288	132	P	H
	*	5270	109.12	-	-	96.44	31.4	11.34	30.06	288	132	A	H
802.11ax		5354.88	57.82	-16.18	74	44.92	31.57	11.4	30.07	288	132	P	H
HE40 Full		5353.92	48.44	-5.56	54	35.55	31.56	11.4	30.07	288	132	A	H
CH 54		5141.1	56.2	-17.8	74	43.03	32.06	11.18	30.07	212	140	P	V
5270MHz		5150	47.6	-6.4	54	34.45	32.03	11.19	30.07	212	140	A	V
	*	5270	119.62	-	-	106.82	31.52	11.34	30.06	212	140	P	V
	*	5270	113.6	-	-	100.8	31.52	11.34	30.06	212	140	P	V
		5354.16	63.56	-10.44	74	50.68	31.55	11.4	30.07	212	140	P	V
		5352.72	53.7	-0.3	54	40.82	31.55	11.4	30.07	212	140	A	V
		5145.18	54.27	-19.73	74	41.16	31.99	11.19	30.07	286	135	P	H
		5121.72	44.62	-9.38	54	31.49	32.05	11.16	30.08	286	135	A	H
	*	5310	109.31	-	-	96.58	31.43	11.38	30.08	286	135	P	H
	*	5310	104.06	-	-	91.33	31.43	11.38	30.08	286	135	A	H
802.11ax		5350.8	56.96	-17.04	74	44.08	31.55	11.4	30.07	286	135	P	H
HE40 Full		5350	47.48	-6.52	54	34.61	31.54	11.4	30.07	286	135	A	H
CH 62		5120.7	54.66	-19.34	74	41.48	32.1	11.16	30.08	188	141	P	V
5310MHz		5119.34	45.04	-8.96	54	31.85	32.11	11.16	30.08	188	141	A	V
	*	5310	114.53	-	-	101.81	31.42	11.38	30.08	188	141	P	V
	*	5310	108.87	-	-	96.15	31.42	11.38	30.08	188	141	A	V
		5350	61.58	-12.42	74	48.72	31.53	11.4	30.07	188	141	P	V
		5350	53.19	-0.81	54	40.33	31.53	11.4	30.07	188	141	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	47.91	-20.29	68.2	59.86	39.88	16.79	68.62	-	-	P	H
		11356	50.92	-23.08	74	61.2	39.94	17.49	67.71	-	-	P	H
		11356	40.84	-13.16	54	51.12	39.94	17.49	67.71	-	-	A	H
		14491	52.36	-21.64	74	58.3	41.76	20.04	67.74	-	-	P	H
		14491	43.85	-10.15	54	49.79	41.76	20.04	67.74	-	-	A	H
		15810	56.13	-17.87	74	66.61	37.05	20.9	68.43	200	216	P	H
		15810	44.56	-9.44	54	55.04	37.05	20.9	68.43	200	216	A	H
		18000	59.28	-14.72	74	57.26	48.43	23.01	69.42	-	-	P	H
		18000	52.41	-1.59	54	50.39	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	47.76	-20.44	68.2	59.75	39.84	16.79	68.62	-	-	P	V
5270MHz		11004	51.09	-22.91	74	61.67	40.27	17.17	68.02	-	-	P	V
		11004	40.93	-13.07	54	51.51	40.27	17.17	68.02	-	-	A	V
		14491	52.38	-21.62	74	58.45	41.63	20.04	67.74	-	-	P	V
		14491	43.6	-10.4	54	49.67	41.63	20.04	67.74	-	-	A	V
		15810	55.76	-18.24	74	65.98	37.31	20.9	68.43	382	213	P	V
		15810	44.87	-9.13	54	55.09	37.31	20.9	68.43	382	213	A	V
		18000	59.51	-14.49	74	57.91	48.01	23.01	69.42	-	-	P	V
		18000	51.97	-2.03	54	50.37	48.01	23.01	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	47.4	-26.6	74	59.25	39.81	16.85	68.51	-	-	P	H
		11026	50.79	-23.21	74	61.36	40.24	17.19	68	-	-	P	H
		11026	41.16	-12.84	54	51.73	40.24	17.19	68	-	-	A	H
		14491	53.17	-20.83	74	59.11	41.76	20.04	67.74	-	-	P	H
		14491	43.78	-10.22	54	49.72	41.76	20.04	67.74	-	-	A	H
		15930	45.92	-28.08	74	56.25	36.95	20.98	68.26	-	-	P	H
		18000	58.89	-15.11	74	56.87	48.43	23.01	69.42	-	-	P	H
		18000	50.49	-3.51	54	48.47	48.43	23.01	69.42	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	47.04	-26.96	74	58.92	39.78	16.85	68.51	-	-	P	V
5310MHz		11334	50.47	-23.53	74	60.8	39.93	17.47	67.73	-	-	P	V
		11334	39.45	-14.55	54	49.78	39.93	17.47	67.73	-	-	A	V
		14491	52.49	-21.51	74	58.56	41.63	20.04	67.74	-	-	P	V
		14491	43.07	-10.93	54	49.14	41.63	20.04	67.74	-	-	A	V
		15930	46.5	-27.5	74	56.61	37.17	20.98	68.26	-	-	P	V
		18000	59.05	-14.95	74	57.45	48.01	23.01	69.42	-	-	P	V
		18000	50.14	-3.86	54	48.54	48.01	23.01	69.42	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-2 5250~5350MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 58 5290MHz		5116.96	54.7	-19.3	74	41.57	32.06	11.15	30.08	308	89	P	H
		5136	44.63	-9.37	54	31.5	32.02	11.18	30.07	308	89	A	H
	*	5290	111.71	-	-	99.02	31.4	11.36	30.07	308	89	P	H
	*	5290	103.67	-	-	90.98	31.4	11.36	30.07	308	89	A	H
		5355.36	62.84	-11.16	74	49.94	31.57	11.4	30.07	308	89	P	H
		5353.92	52.87	-1.13	54	39.98	31.56	11.4	30.07	308	89	A	H
		5107.44	53.98	-20.02	74	40.79	32.13	11.14	30.08	297	43	P	V
		5143.48	44.84	-9.16	54	31.67	32.05	11.19	30.07	297	43	A	V
	*	5290	111.77	-	-	99.05	31.43	11.36	30.07	297	43	P	V
	*	5290	103.63	-	-	90.91	31.43	11.36	30.07	297	43	A	V
		5351.04	61.32	-12.68	74	48.45	31.54	11.4	30.07	297	43	P	V
		5350.08	53.76	-0.24	54	40.9	31.53	11.4	30.07	297	43	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	48.04	-20.16	68.2	59.96	39.84	16.81	68.57	-	-	P	H
		11499	51.85	-22.15	74	61.69	40.14	17.61	67.59	-	-	P	H
		11499	42.17	-11.83	54	52.01	40.14	17.61	67.59	-	-	A	H
		14491	52.73	-21.27	74	58.67	41.76	20.04	67.74	-	-	P	H
		14491	43.61	-10.39	54	49.55	41.76	20.04	67.74	-	-	A	H
		15870	47.29	-26.71	74	57.75	36.94	20.94	68.34	-	-	P	H
		17967	60.74	-13.26	74	59.6	47.59	22.97	69.42	-	-	P	H
		17967	50.04	-3.96	54	48.9	47.59	22.97	69.42	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	48.71	-19.49	68.2	60.68	39.79	16.81	68.57	-	-	P	V
5290MHz		11356	50.54	-23.46	74	60.8	39.96	17.49	67.71	-	-	P	V
		11356	39.73	-14.27	54	49.99	39.96	17.49	67.71	-	-	A	V
		14491	52.18	-21.82	74	58.25	41.63	20.04	67.74	-	-	P	V
		14491	43.61	-10.39	54	49.68	41.63	20.04	67.74	-	-	A	V
		15870	47.67	-26.33	74	57.84	37.23	20.94	68.34	-	-	P	V
		18000	60.1	-13.9	74	58.5	48.01	23.01	69.42	-	-	P	V
		18000	50.3	-3.7	54	48.7	48.01	23.01	69.42	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5457.2	56.98	-17.02	74	42.82	31.83	11.48	29.15	400	106	P	H
		5469.68	61.43	-6.77	68.2	47.25	31.84	11.49	29.15	400	106	P	H
		5457.84	48.22	-5.78	54	34.06	31.83	11.48	29.15	400	106	A	H
	*	5500	121.16	-	-	106.92	31.86	11.52	29.14	400	106	P	H
	*	5500	113.87	-	-	99.63	31.86	11.52	29.14	400	106	A	H
													H
		5459.92	60.02	-13.98	74	45.88	31.81	11.48	29.15	100	115	P	V
		5469.68	65.31	-2.89	68.2	51.14	31.83	11.49	29.15	100	115	P	V
		5458.8	50.69	-3.31	54	36.56	31.8	11.48	29.15	100	115	A	V
	*	5500	124.1	-	-	109.8	31.92	11.52	29.14	100	115	P	V
	*	5500	116.62	-	-	102.32	31.92	11.52	29.14	100	115	A	V
													V
802.11a CH 116 5580MHz		5392.24	55.18	-18.82	74	41.2	31.71	11.43	29.16	388	96	P	H
		5462.08	54.03	-14.17	68.2	39.86	31.83	11.49	29.15	388	96	P	H
		5386.96	46.98	-7.02	54	33.03	31.69	11.42	29.16	388	96	A	H
	*	5580	122.23	-	-	107.9	31.87	11.62	29.16	388	96	P	H
	*	5580	114.63	-	-	100.3	31.87	11.62	29.16	388	96	A	H
		5750.195	54.55	-13.65	68.2	39.82	32.15	11.78	29.2	388	96	P	H
		5386.48	58.77	-15.23	74	44.89	31.62	11.42	29.16	217	113	P	V
		5466.88	55.41	-12.79	68.2	41.24	31.83	11.49	29.15	217	113	P	V
		5387.2	50.41	-3.59	54	36.52	31.63	11.42	29.16	217	113	A	V
	*	5580	124.2	-	-	109.9	31.84	11.62	29.16	217	113	P	V
	*	5580	116.1	-	-	101.8	31.84	11.62	29.16	217	113	A	V
		5759.645	57.69	-10.51	68.2	42.96	32.15	11.78	29.2	217	113	P	V

802.11a CH 140 5700MHz	*	5700	119.74	-	-	105.2	31.93	11.78	29.17	369	123	P	H
	*	5700	112.16	-	-	97.62	31.93	11.78	29.17	369	123	A	H
		5726.36	61.82	-6.38	68.2	47.18	32.05	11.78	29.19	369	123	P	H
													H
													H
													H
	*	5700	123.08	-	-	108.5	31.97	11.78	29.17	210	113	P	V
	*	5700	116.35	-	-	101.77	31.97	11.78	29.17	210	113	A	V
		5728.04	66.64	-1.56	68.2	51.99	32.06	11.78	29.19	210	113	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	50.85	-23.15	74	61.44	40.26	17.17	68.02	231	306	P	H
		11000	40.53	-13.47	54	51.12	40.26	17.17	68.02	231	306	A	H
		13259	50.5	-23.5	74	59.95	39.16	19.14	67.75	-	-	P	H
		13259	40.17	-13.83	54	49.62	39.16	19.14	67.75	-	-	A	H
		14491	52.8	-21.2	74	58.74	41.76	20.04	67.74	-	-	P	H
		14491	43.19	-10.81	54	49.13	41.76	20.04	67.74	-	-	A	H
		16500	55.12	-13.08	68.2	63.19	38.33	21.47	67.87	-	-	P	H
		17978	60.34	-13.66	74	58.9	47.87	22.99	69.42	-	-	P	H
		17978	50.04	-3.96	54	48.6	47.87	22.99	69.42	-	-	A	H
													H
													H
802.11a CH 100 5500MHz													H
		11000	49.69	-24.31	74	60.26	40.28	17.17	68.02	354	182	P	V
		11000	39.76	-14.24	54	50.33	40.28	17.17	68.02	354	182	A	V
		13380	50.77	-23.23	74	59.61	39.6	19.24	67.68	-	-	P	V
		13380	41.07	-12.93	54	49.91	39.6	19.24	67.68	-	-	A	V
		14491	51.74	-22.26	74	57.81	41.63	20.04	67.74	-	-	P	V
		14491	43.05	-10.95	54	49.12	41.63	20.04	67.74	-	-	A	V
		16500	52.31	-15.89	68.2	60.24	38.47	21.47	67.87	-	-	P	V
		17989	60.13	-13.87	74	58.79	47.76	23	69.42	-	-	P	V
		17989	50.03	-3.97	54	48.69	47.76	23	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	50.9	-23.1	74	61.56	39.91	17.31	67.88	179	224	P	H
		11160	41.06	-12.94	54	51.72	39.91	17.31	67.88	179	224	A	H
		13369	50.76	-23.24	74	59.66	39.56	19.23	67.69	-	-	P	H
		13369	40.93	-13.07	54	49.83	39.56	19.23	67.69	-	-	A	H
		14491	51.5	-22.5	74	57.44	41.76	20.04	67.74	-	-	P	H
		14491	43.66	-10.34	54	49.6	41.76	20.04	67.74	-	-	A	H
		16740	53.9	-14.3	68.2	61.31	39.22	21.68	68.31	-	-	P	H
		17956	60.15	-13.85	74	59.31	47.3	22.96	69.42	-	-	P	H
		17956	49.45	-4.55	54	48.61	47.3	22.96	69.42	-	-	A	H
													H
													H
802.11a CH 116 5580MHz													H
		11160	50.78	-23.22	74	61.45	39.9	17.31	67.88	366	209	P	V
		11160	40.76	-13.24	54	51.43	39.9	17.31	67.88	366	209	A	V
		13336	50.61	-23.39	74	59.65	39.46	19.21	67.71	-	-	P	V
		13336	40.76	-13.24	54	49.8	39.46	19.21	67.71	-	-	A	V
		14491	52.15	-21.85	74	58.22	41.63	20.04	67.74	-	-	P	V
		14491	43.54	-10.46	54	49.61	41.63	20.04	67.74	-	-	A	V
		16740	52.98	-15.22	68.2	60.39	39.22	21.68	68.31	-	-	P	V
		17945	59.78	-14.22	74	59.5	46.75	22.95	69.42	-	-	P	V
		17945	49.38	-4.62	54	49.1	46.75	22.95	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	51.05	-22.95	74	61.1	40.1	17.53	67.68	209	228	P	H
		11400	41.22	-12.78	54	51.27	40.1	17.53	67.68	209	228	A	H
		13336	50.61	-23.39	74	59.66	39.45	19.21	67.71	-	-	P	H
		13336	42.18	-11.82	54	51.23	39.45	19.21	67.71	-	-	A	H
		14491	51.56	-22.44	74	57.5	41.76	20.04	67.74	-	-	P	H
		14491	44.14	-9.86	54	50.08	41.76	20.04	67.74	-	-	A	H
		17100	57.19	-11.01	68.2	64.67	39.4	22.02	68.9	-	-	P	H
		17989	60.33	-13.67	74	58.6	48.15	23	69.42	-	-	P	H
		17989	50.53	-3.47	54	48.8	48.15	23	69.42	-	-	A	H
													H
													H
802.11a CH 140 5700MHz													H
		11400	51.16	-22.84	74	61.24	40.07	17.53	67.68	300	118	P	V
		11400	41.42	-12.58	54	51.5	40.07	17.53	67.68	300	118	A	V
		13314	49.54	-24.46	74	58.7	39.37	19.19	67.72	-	-	P	V
		13314	40.81	-13.19	54	49.97	39.37	19.19	67.72	-	-	A	V
		14491	52.63	-21.37	74	58.7	41.63	20.04	67.74	-	-	P	V
		14491	43.04	-10.96	54	49.11	41.63	20.04	67.74	-	-	A	V
		17100	50.01	-18.19	68.2	57.33	39.56	22.02	68.9	-	-	P	V
		17934	59.35	-14.65	74	59.3	46.53	22.94	69.42	-	-	P	V
		17934	49.41	-4.59	54	49.36	46.53	22.94	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 - 5470~5725MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	55.73	-18.27	74	42.32	32.01	11.48	30.08	398	96	P	H
		5468.72	62.73	-5.47	68.2	49.32	32.01	11.49	30.09	398	96	P	H
		5460	48.17	-5.83	54	34.76	32.01	11.48	30.08	398	96	A	H
	*	5500	119.25	-	-	105.8	32.03	11.52	30.1	398	96	P	H
802.11ax	*	5500	111.05	-	-	97.6	32.03	11.52	30.1	398	96	A	H
HE20 Full		5454.16	59	-15	74	45.64	31.96	11.48	30.08	215	110	P	V
CH 100		5469.2	66.47	-1.73	68.2	53.1	31.97	11.49	30.09	215	110	P	V
5500MHz		5460	50.34	-3.66	54	36.98	31.96	11.48	30.08	215	110	A	V
	*	5500	124.2	-	-	110.8	31.98	11.52	30.1	215	110	P	V
	*	5500	115.68	-	-	102.28	31.98	11.52	30.1	215	110	A	V
													V
													V
		5423.44	54.17	-19.83	74	40.9	31.89	11.45	30.07	387	96	P	H
		5464.48	54.23	-13.97	68.2	40.82	32.01	11.49	30.09	387	96	P	H
		5386.24	45.24	-8.76	54	32.17	31.72	11.42	30.07	387	96	A	H
	*	5580	120	-	-	106.5	31.99	11.62	30.11	387	96	P	H
802.11ax	*	5580	111.9	-	-	98.4	31.99	11.62	30.11	387	96	A	H
HE20 Full		5759.645	53.88	-14.32	68.2	40.04	32.23	11.78	30.17	387	96	P	H
CH 116		5385.28	56.83	-17.17	74	43.78	31.7	11.42	30.07	214	111	P	V
5580MHz		5468.08	53.49	-14.71	68.2	40.13	31.96	11.49	30.09	214	111	P	V
		5386.72	49.03	-4.97	54	35.97	31.71	11.42	30.07	214	111	A	V
	*	5580	124	-	-	110.43	32.06	11.62	30.11	214	111	P	V
	*	5580	116.6	-	-	103.03	32.06	11.62	30.11	214	111	A	V
		5762.795	57.09	-11.11	68.2	43.23	32.25	11.78	30.17	214	111	P	V

	*	5700	117.79	-	-	104.13	32.04	11.78	30.16	387	120	P	H
	*	5700	109.38	-	-	95.72	32.04	11.78	30.16	387	120	A	H
		5725.32	60.62	-7.58	68.2	46.89	32.12	11.78	30.17	387	120	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	122.24	-	-	108.5	32.12	11.78	30.16	205	140	P	V
5700MHz	*	5700	114.44	-	-	100.7	32.12	11.78	30.16	205	140	A	V
		5728.92	64.04	-4.16	68.2	50.25	32.18	11.78	30.17	205	140	P	V
													V
													V
													V

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

UNII-3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	49.99	-24.01	74	60.58	40.26	17.17	68.02	263	225	P	H
		11000	38.98	-15.02	54	49.57	40.26	17.17	68.02	263	225	A	H
		13325	50.54	-23.46	74	59.65	39.41	19.2	67.72	-	-	P	H
		13325	40.39	-13.61	54	49.5	39.41	19.2	67.72	-	-	A	H
		14491	52.66	-21.34	74	58.6	41.76	20.04	67.74	-	-	P	H
		14491	42.79	-11.21	54	48.73	41.76	20.04	67.74	-	-	A	H
		16500	56.94	-11.26	68.2	65.01	38.33	21.47	67.87	-	-	P	H
		18000	59.84	-14.16	74	57.82	48.43	23.01	69.42	-	-	P	H
		18000	50.76	-3.24	54	48.74	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	50	-24	74	60.57	40.28	17.17	68.02	301	193	P	V
5500MHz		11000	39.49	-14.51	54	50.06	40.28	17.17	68.02	301	193	A	V
		13325	49.8	-24.2	74	58.9	39.42	19.2	67.72	-	-	P	V
		13325	41.18	-12.82	54	50.28	39.42	19.2	67.72	-	-	A	V
		14491	52.83	-21.17	74	58.9	41.63	20.04	67.74	-	-	P	V
		14491	43.03	-10.97	54	49.1	41.63	20.04	67.74	-	-	A	V
		16500	56.47	-11.73	68.2	64.4	38.47	21.47	67.87	-	-	P	V
		18000	58.81	-15.19	74	57.21	48.01	23.01	69.42	-	-	P	V
		18000	50.24	-3.76	54	48.64	48.01	23.01	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	57.08	-16.92	74	67.74	39.91	17.31	67.88	205	164	P	H
		11160	45.11	-8.89	54	55.77	39.91	17.31	67.88	205	164	A	H
		13303	49.73	-24.27	74	58.96	39.32	19.18	67.73	-	-	P	H
		13303	41.11	-12.89	54	50.34	39.32	19.18	67.73	-	-	A	H
		14491	51.92	-22.08	74	57.86	41.76	20.04	67.74	-	-	P	H
		14491	42.79	-11.21	54	48.73	41.76	20.04	67.74	-	-	A	H
		16740	54.98	-13.22	68.2	62.39	39.22	21.68	68.31	-	-	P	H
		18000	59.59	-14.41	74	57.57	48.43	23.01	69.42	-	-	P	H
		18000	50.69	-3.31	54	48.67	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	50.73	-23.27	74	61.4	39.9	17.31	67.88	300	341	P	V
5580MHz		11160	39.16	-14.84	54	49.83	39.9	17.31	67.88	300	341	A	V
		13347	49.99	-24.01	74	58.97	39.51	19.21	67.7	-	-	P	V
		13347	42.13	-11.87	54	51.11	39.51	19.21	67.7	-	-	A	V
		14491	51.88	-22.12	74	57.95	41.63	20.04	67.74	-	-	P	V
		14491	42.85	-11.15	54	48.92	41.63	20.04	67.74	-	-	A	V
		16740	54.59	-13.61	68.2	62	39.22	21.68	68.31	-	-	P	V
		18000	59.48	-14.52	74	57.88	48.01	23.01	69.42	-	-	P	V
		18000	50.22	-3.78	54	48.62	48.01	23.01	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	56.41	-17.59	74	66.46	40.1	17.53	67.68	102	116	P	H
		11400	45.31	-8.69	54	55.36	40.1	17.53	67.68	102	116	A	H
		13391	50.81	-23.19	74	59.6	39.64	19.25	67.68	-	-	P	H
		13391	41.63	-12.37	54	50.42	39.64	19.25	67.68	-	-	A	H
		14491	51.55	-22.45	74	57.49	41.76	20.04	67.74	-	-	P	H
		14491	42.65	-11.35	54	48.59	41.76	20.04	67.74	-	-	A	H
		17100	53.49	-14.71	68.2	60.97	39.4	22.02	68.9	-	-	P	H
		18000	60.48	-13.52	74	58.46	48.43	23.01	69.42	-	-	P	H
		18000	50.59	-3.41	54	48.57	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	55.87	-18.13	74	65.95	40.07	17.53	67.68	217	170	P	V
5700MHz		11400	47.08	-6.92	54	57.16	40.07	17.53	67.68	217	170	A	V
		13325	50.47	-23.53	74	59.57	39.42	19.2	67.72	-	-	P	V
		13325	41.02	-12.98	54	50.12	39.42	19.2	67.72	-	-	A	V
		14491	51.72	-22.28	74	57.79	41.63	20.04	67.74	-	-	P	V
		14491	43.37	-10.63	54	49.44	41.63	20.04	67.74	-	-	A	V
		17100	50.72	-17.48	68.2	58.04	39.56	22.02	68.9	-	-	P	V
		18000	59.5	-14.5	74	57.9	48.01	23.01	69.42	-	-	P	V
		18000	50.21	-3.79	54	48.61	48.01	23.01	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 5470~5725MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5454.64	56.64	-17.36	74	43.24	32	11.48	30.08	397	105	P	H
		5465.92	61.27	-6.93	68.2	47.86	32.01	11.49	30.09	397	105	P	H
		5455.6	47.23	-6.77	54	33.82	32.01	11.48	30.08	397	105	A	H
	*	5510	116.56	-	-	103.11	32.02	11.53	30.1	397	105	P	H
802.11ax	*	5510	106.96	-	-	93.51	32.02	11.53	30.1	397	105	A	H
HE40 Full		5759.96	52.68	-15.52	68.2	38.84	32.23	11.78	30.17	397	105	P	H
CH 102		5458.48	59.79	-14.21	74	46.43	31.96	11.48	30.08	207	110	P	V
5510MHz		5467.12	65.96	-2.24	68.2	52.6	31.96	11.49	30.09	207	110	P	V
		5458.24	50.38	-3.62	54	37.02	31.96	11.48	30.08	207	110	A	V
	*	5510	121.54	-	-	108.11	32	11.53	30.1	207	110	P	V
	*	5510	112.57	-	-	99.14	32	11.53	30.1	207	110	A	V
		5759.96	58.29	-9.91	68.2	44.44	32.24	11.78	30.17	207	110	P	V
		5445.52	58.6	-15.4	74	45.23	31.98	11.47	30.08	400	97	P	H
		5469.76	62.01	-6.19	68.2	48.6	32.01	11.49	30.09	400	97	P	H
		5453.92	48.51	-5.49	54	35.11	32	11.48	30.08	400	97	A	H
	*	5550	117.27	-	-	103.79	31.98	11.59	30.09	400	97	P	H
802.11ax	*	5550	109.07	-	-	95.59	31.98	11.59	30.09	400	97	A	H
HE40 Full		5729.72	52.64	-15.56	68.2	38.9	32.13	11.78	30.17	400	97	P	H
CH 110		5455.6	60.43	-13.57	74	47.07	31.96	11.48	30.08	219	117	P	V
5550MHz		5463.52	61.5	-6.7	68.2	48.14	31.96	11.49	30.09	219	117	P	V
		5454.16	51.01	-2.99	54	37.65	31.96	11.48	30.08	219	117	A	V
	*	5550	123.17	-	-	109.6	32.07	11.59	30.09	219	117	P	V
	*	5550	113.97	-	-	100.4	32.07	11.59	30.09	219	117	A	V
		5759.96	57.63	-10.57	68.2	43.78	32.24	11.78	30.17	219	117	P	V

		5427.7	52.7	-21.3	74	39.43	31.9	11.45	30.08	375	110	P	H
		5465.5	54.1	-14.1	68.2	40.69	32.01	11.49	30.09	375	110	P	H
		5459.9	44.32	-9.68	54	30.91	32.01	11.48	30.08	375	110	A	H
	*	5670	114.79	-	-	101.2	31.98	11.74	30.13	375	110	P	H
802.11ax	*	5670	107.19	-	-	93.6	31.98	11.74	30.13	375	110	A	H
HE40 Full		5725.975	58.51	-9.69	68.2	44.78	32.12	11.78	30.17	375	110	P	H
CH 134		5449.4	54.25	-19.75	74	40.91	31.95	11.47	30.08	206	112	P	V
5670MHz		5467.95	54.46	-13.74	68.2	41.1	31.96	11.49	30.09	206	112	P	V
		5459.55	45.53	-8.47	54	32.17	31.96	11.48	30.08	206	112	A	V
	*	5670	120.91	-	-	107.24	32.06	11.74	30.13	206	112	P	V
	*	5670	112.91	-	-	99.24	32.06	11.74	30.13	206	112	A	V
		5726.85	65.05	-3.15	68.2	51.26	32.18	11.78	30.17	206	112	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	49.23	-24.77	74	59.8	40.24	17.19	68	100	289	P	H
		11020	39.63	-14.37	54	50.2	40.24	17.19	68	100	289	A	H
		13358	50.72	-23.28	74	59.67	39.53	19.22	67.7	-	-	P	H
		13358	42.17	-11.83	54	51.12	39.53	19.22	67.7	-	-	A	H
		14491	51.55	-22.45	74	57.49	41.76	20.04	67.74	-	-	P	H
		14491	43.03	-10.97	54	48.97	41.76	20.04	67.74	-	-	A	H
		16530	49.04	-19.16	68.2	57.05	38.41	21.5	67.92	-	-	P	H
		17967	60.04	-13.96	74	58.9	47.59	22.97	69.42	-	-	P	H
		17967	49.84	-4.16	54	48.7	47.59	22.97	69.42	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	50.19	-23.81	74	60.75	40.25	17.19	68	211	293	P	V
5510MHz		11020	40.67	-13.33	54	51.23	40.25	17.19	68	211	293	A	V
		13347	50.59	-23.41	74	59.57	39.51	19.21	67.7	-	-	P	V
		13347	42.33	-11.67	54	51.31	39.51	19.21	67.7	-	-	A	V
		14491	52.19	-21.81	74	58.26	41.63	20.04	67.74	-	-	P	V
		14491	43.05	-10.95	54	49.12	41.63	20.04	67.74	-	-	A	V
		16530	49.14	-19.06	68.2	56.96	38.6	21.5	67.92	-	-	P	V
		17989	60.13	-13.87	74	58.79	47.76	23	69.42	-	-	P	V
		17989	49.83	-4.17	54	48.49	47.76	23	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	48.93	-25.07	74	59.56	40.04	17.26	67.93	146	314	P	H
		11100	38.83	-15.17	54	49.46	40.04	17.26	67.93	146	314	A	H
		13292	50.38	-23.62	74	59.66	39.28	19.17	67.73	-	-	P	H
		13292	42.14	-11.86	54	51.42	39.28	19.17	67.73	-	-	A	H
		14491	51.75	-22.25	74	57.69	41.76	20.04	67.74	-	-	P	H
		14491	43.26	-10.74	54	49.2	41.76	20.04	67.74	-	-	A	H
		16650	50.59	-17.61	68.2	58.22	38.91	21.6	68.14	-	-	P	H
		17978	60.14	-13.86	74	58.7	47.87	22.99	69.42	-	-	P	H
		17978	50.14	-3.86	54	48.7	47.87	22.99	69.42	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	49.35	-24.65	74	59.99	40.03	17.26	67.93	220	50	P	V
5550MHz		11100	39.51	-14.49	54	50.15	40.03	17.26	67.93	220	50	A	V
		13325	50.67	-23.33	74	59.77	39.42	19.2	67.72	-	-	P	V
		13325	42.12	-11.88	54	51.22	39.42	19.2	67.72	-	-	A	V
		14491	52.19	-21.81	74	58.26	41.63	20.04	67.74	-	-	P	V
		14491	42.53	-11.47	54	48.6	41.63	20.04	67.74	-	-	A	V
		16650	53.69	-14.51	68.2	61.28	38.95	21.6	68.14	-	-	P	V
		17989	59.93	-14.07	74	58.59	47.76	23	69.42	-	-	P	V
		17989	49.93	-4.07	54	48.59	47.76	23	69.42	-	-	A	V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	50.65	-23.35	74	61	39.9	17.48	67.73	246	123	P	H
		11340	40.9	-13.1	54	51.25	39.9	17.48	67.73	246	123	A	H
		13303	50.2	-23.8	74	59.43	39.32	19.18	67.73	-	-	P	H
		13303	42.19	-11.81	54	51.42	39.32	19.18	67.73	-	-	A	H
		14491	51.56	-22.44	74	57.5	41.76	20.04	67.74	-	-	P	H
		14491	43.05	-10.95	54	48.99	41.76	20.04	67.74	-	-	A	H
		17010	50.31	-17.89	68.2	57.74	39.44	21.92	68.79	-	-	P	H
		18000	60.32	-13.68	74	58.3	48.43	23.01	69.42	-	-	P	H
		18000	50.72	-3.28	54	48.7	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	50.13	-23.87	74	60.44	39.94	17.48	67.73	305	229	P	V
5670MHz		11340	40.06	-13.94	54	50.37	39.94	17.48	67.73	305	229	A	V
		13336	50.16	-23.84	74	59.2	39.46	19.21	67.71	-	-	P	V
		13336	42.4	-11.6	54	51.44	39.46	19.21	67.71	-	-	A	V
		14491	52.23	-21.77	74	58.3	41.63	20.04	67.74	-	-	P	V
		14491	43.13	-10.87	54	49.2	41.63	20.04	67.74	-	-	A	V
		17010	49.8	-18.4	68.2	57.08	39.59	21.92	68.79	-	-	P	V
		17989	59.83	-14.17	74	58.49	47.76	23	69.42	-	-	P	V
		17989	49.83	-4.17	54	48.49	47.76	23	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 5470~5725MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.8	61.08	-12.92	74	47.67	32.01	11.48	30.08	327	95	P	H
		5465.92	62.79	-5.41	68.2	49.38	32.01	11.49	30.09	327	95	P	H
		5457.04	52.97	-1.03	54	39.56	32.01	11.48	30.08	327	95	A	H
	*	5530	116.56	-	-	103.09	32	11.56	30.09	327	95	P	H
802.11ax	*	5530	110.06	-	-	96.59	32	11.56	30.09	327	95	A	H
HE80 Full		5759.96	56.85	-11.35	68.2	43.01	32.23	11.78	30.17	327	95	P	H
CH 106		5455.84	61.28	-12.72	74	47.92	31.96	11.48	30.08	174	124	P	V
5530MHz		5463.04	63.08	-5.12	68.2	49.72	31.96	11.49	30.09	174	124	P	V
		5454.64	52.64	-1.36	54	39.28	31.96	11.48	30.08	174	124	A	V
	*	5530	116.34	-	-	102.84	32.03	11.56	30.09	174	124	P	V
	*	5530	109.84	-	-	96.34	32.03	11.56	30.09	174	124	A	V
		5759.645	56.99	-11.21	68.2	43.14	32.24	11.78	30.17	174	124	P	V
		5438.32	59.52	-14.48	74	46.19	31.95	11.46	30.08	256	110	P	H
		5460.64	59.59	-8.61	68.2	46.18	32.01	11.48	30.08	256	110	P	H
		5459.68	49.36	-4.64	54	35.95	32.01	11.48	30.08	256	110	A	H
	*	5610	119.24	-	-	105.71	31.99	11.66	30.12	256	110	P	H
802.11ax	*	5610	113.11	-	-	99.58	31.99	11.66	30.12	256	110	A	H
HE80 Full		5729.405	67.65	-0.55	68.2	53.91	32.13	11.78	30.17	256	110	P	H
CH 122		5455.36	56.66	-17.34	74	43.3	31.96	11.48	30.08	384	57	P	V
5610MHz		5466.4	58.82	-9.38	68.2	45.46	31.96	11.49	30.09	384	57	P	V
		5454.64	47.71	-6.29	54	34.35	31.96	11.48	30.08	384	57	A	V
	*	5610	116.52	-	-	102.94	32.04	11.66	30.12	384	57	P	V
	*	5610	110.29	-	-	96.71	32.04	11.66	30.12	384	57	A	V
		5745.155	60.98	-7.22	68.2	47.15	32.22	11.78	30.17	384	57	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	47.95	-26.05	74	58.5	40.19	17.23	67.97	-	-	P	H
		13292	49.99	-24.01	74	59.27	39.28	19.17	67.73	-	-	P	H
		13292	41.92	-12.08	54	51.2	39.28	19.17	67.73	-	-	A	H
		14491	52.81	-21.19	74	58.75	41.76	20.04	67.74	-	-	P	H
		14491	43.27	-10.73	54	49.21	41.76	20.04	67.74	-	-	A	H
		16590	53.33	-14.87	68.2	61.18	38.63	21.55	68.03	-	-	P	H
		17967	60.34	-13.66	74	59.2	47.59	22.97	69.42	-	-	P	H
		17967	50.04	-3.96	54	48.9	47.59	22.97	69.42	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.92	-26.08	74	58.49	40.17	17.23	67.97	-	-	P	V
5530MHz		13369	50.82	-23.18	74	59.71	39.57	19.23	67.69	-	-	P	V
		13369	41.98	-12.02	54	50.87	39.57	19.23	67.69	-	-	A	V
		14491	52.13	-21.87	74	58.2	41.63	20.04	67.74	-	-	P	V
		14491	43.69	-10.31	54	49.76	41.63	20.04	67.74	-	-	A	V
		16590	53.02	-15.18	68.2	60.72	38.78	21.55	68.03	-	-	P	V
		17989	60.13	-13.87	74	58.79	47.76	23	69.42	-	-	P	V
		17989	50.03	-3.97	54	48.69	47.76	23	69.42	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11220	50.23	-23.77	74	60.85	39.84	17.37	67.83	169	245	P	H
		11220	39.95	-14.05	54	50.57	39.84	17.37	67.83	169	245	A	H
		13303	51.2	-22.8	74	60.43	39.32	19.18	67.73	-	-	P	H
		13303	42.11	-11.89	54	51.34	39.32	19.18	67.73	-	-	A	H
		14491	52.47	-21.53	74	58.41	41.76	20.04	67.74	-	-	P	H
		14491	43.79	-10.21	54	49.73	41.76	20.04	67.74	-	-	A	H
		16830	50.55	-17.65	68.2	57.87	39.4	21.75	68.47	-	-	P	H
		18000	60.62	-13.38	74	58.6	48.43	23.01	69.42	-	-	P	H
		18000	50.42	-3.58	54	48.4	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	50.86	-23.14	74	61.42	39.9	17.37	67.83	220	54	P	V
5610MHz		11220	40.7	-13.3	54	51.26	39.9	17.37	67.83	220	54	A	V
		13358	50.54	-23.46	74	59.47	39.55	19.22	67.7	-	-	P	V
		13358	42.46	-11.54	54	51.39	39.55	19.22	67.7	-	-	A	V
		14491	52.73	-21.27	74	58.8	41.63	20.04	67.74	-	-	P	V
		14491	43.52	-10.48	54	49.59	41.63	20.04	67.74	-	-	A	V
		16830	50.68	-17.52	68.2	57.9	39.5	21.75	68.47	-	-	P	V
		17978	59.57	-14.43	74	58.5	47.5	22.99	69.42	-	-	P	V
		17978	49.37	-4.63	54	48.3	47.5	22.99	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 5470~5725MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.84	62.14	-11.86	74	48.73	32.01	11.48	30.08	376	101	P	H
		5466.88	60.67	-7.53	68.2	47.26	32.01	11.49	30.09	376	101	P	H
		5457.04	52.87	-1.13	54	39.46	32.01	11.48	30.08	376	101	A	H
	*	5570	113.71	-	-	100.22	31.98	11.61	30.1	376	101	P	H
802.11ax	*	5570	105.01	-	-	91.52	31.98	11.61	30.1	376	101	A	H
HE160 Full		5747.99	59.09	-9.11	68.2	45.29	32.19	11.78	30.17	376	101	P	H
CH 114		5445.04	62.89	-11.11	74	49.56	31.94	11.47	30.08	287	51	P	V
5570MHz		5463.04	61.03	-7.17	68.2	47.67	31.96	11.49	30.09	287	51	P	V
		5454.64	53.13	-0.87	54	39.77	31.96	11.48	30.08	287	51	A	V
	*	5570	112.81	-	-	99.24	32.06	11.61	30.1	287	51	P	V
	*	5570	103.34	-	-	89.77	32.06	11.61	30.1	287	51	A	V
		5754.29	55.85	-12.35	68.2	42	32.24	11.78	30.17	287	51	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5470~5725MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11140	47.87	-26.13	74	58.53	39.95	17.29	67.9	-	-	P	H
		13358	49.53	-24.47	74	58.48	39.53	19.22	67.7	-	-	P	H
		13358	41.72	-12.28	54	50.67	39.53	19.22	67.7	-	-	A	H
		14491	51.91	-22.09	74	57.85	41.76	20.04	67.74	-	-	P	H
		14491	43.27	-10.73	54	49.21	41.76	20.04	67.74	-	-	A	H
		16710	48.61	-19.59	68.2	56.09	39.12	21.65	68.25	-	-	P	H
		18000	60.52	-13.48	74	58.5	48.43	23.01	69.42	-	-	P	H
		18000	50.32	-3.68	54	48.3	48.43	23.01	69.42	-	-	A	H
													H
													H
802.11ax													H
HE160 Full													H
CH 114		11140	47.8	-26.2	74	58.48	39.93	17.29	67.9	-	-	P	V
5570MHz		13380	50.82	-23.18	74	59.66	39.6	19.24	67.68	-	-	P	V
		13380	42.51	-11.49	54	51.35	39.6	19.24	67.68	-	-	A	V
		14491	52.43	-21.57	74	58.5	41.63	20.04	67.74	-	-	P	V
		14491	43.65	-10.35	54	49.72	41.63	20.04	67.74	-	-	A	V
		16710	49.27	-18.93	68.2	56.74	39.13	21.65	68.25	-	-	P	V
		17978	59.67	-14.33	74	58.6	47.5	22.99	69.42	-	-	P	V
		17978	49.77	-4.23	54	48.7	47.5	22.99	69.42	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5429.56	53.33	-20.67	74	39.23	31.79	11.46	29.15	301	129	P	H
		5465.05	52.43	-15.77	68.2	38.26	31.83	11.49	29.15	301	129	P	H
		5433.46	45.36	-8.64	54	31.26	31.79	11.46	29.15	301	129	A	H
	*	5720	120.03	-	-	105.41	32.02	11.78	29.18	301	129	P	H
	*	5720	112.18	-	-	97.56	32.02	11.78	29.18	301	129	A	H
		5907.75	55.76	-12.44	68.2	40.65	32.39	11.97	29.25	301	129	P	H
		5428.78	55.39	-18.61	74	41.35	31.73	11.46	29.15	206	141	P	V
		5463.49	54.5	-13.7	68.2	40.34	31.82	11.49	29.15	206	141	P	V
		5432.68	47.78	-6.22	54	33.73	31.74	11.46	29.15	206	141	A	V
	*	5720	123.32	-	-	108.68	32.04	11.78	29.18	206	141	P	V
	*	5720	116.63	-	-	101.99	32.04	11.78	29.18	206	141	A	V
		5903.25	56.36	-11.84	68.2	41.1	32.54	11.96	29.24	206	141	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	57.34	-16.66	74	67.26	40.15	17.57	67.64	220	133	P	H
		11440	48.46	-5.54	54	58.38	40.15	17.57	67.64	220	133	A	H
		13336	50.28	-23.72	74	59.33	39.45	19.21	67.71	-	-	P	H
		13336	41.38	-12.62	54	50.43	39.45	19.21	67.71	-	-	A	H
		14491	51.16	-22.84	74	57.1	41.76	20.04	67.74	-	-	P	H
		14491	42.28	-11.72	54	48.22	41.76	20.04	67.74	-	-	A	H
		17160	57.79	-10.41	68.2	65.15	39.54	22.08	68.98	-	-	P	H
		18000	61.22	-12.78	74	59.2	48.43	23.01	69.42	-	-	P	H
		18000	50.82	-3.18	54	48.8	48.43	23.01	69.42	-	-	A	H
													H
													H
802.11a CH 144 5720MHz													H
		11440	54.61	-19.39	74	64.5	40.18	17.57	67.64	324	212	P	V
		11440	45.4	-8.6	54	55.29	40.18	17.57	67.64	324	212	A	V
		13358	49.83	-24.17	74	58.76	39.55	19.22	67.7	-	-	P	V
		13358	42.16	-11.84	54	51.09	39.55	19.22	67.7	-	-	A	V
		14491	51.43	-22.57	74	57.5	41.63	20.04	67.74	-	-	P	V
		14491	42.35	-11.65	54	48.42	41.63	20.04	67.74	-	-	A	V
		17160	55.9	-12.3	68.2	63.14	39.66	22.08	68.98	-	-	P	V
		17989	60.53	-13.47	74	59.19	47.76	23	69.42	-	-	P	V
		17989	49.93	-4.07	54	48.59	47.76	23	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 - Straddle Channel

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 144 5720MHz		5459.98	52.53	-21.47	74	39.12	32.01	11.48	30.08	316	98	P	H
		5469.34	52.56	-15.64	68.2	39.15	32.01	11.49	30.09	316	98	P	H
		5430.34	44.16	-9.84	54	30.86	31.92	11.46	30.08	316	98	A	H
	*	5720	119.97	-	-	106.25	32.1	11.78	30.16	316	98	P	H
	*	5720	111.41	-	-	97.69	32.1	11.78	30.16	316	98	A	H
		5913	54.51	-13.69	68.2	40.26	32.51	11.98	30.24	316	98	P	H
		5423.71	54.52	-19.48	74	41.28	31.86	11.45	30.07	213	142	P	V
		5468.56	52.7	-15.5	68.2	39.34	31.96	11.49	30.09	213	142	P	V
		5433.46	46.3	-7.7	54	33.02	31.9	11.46	30.08	213	142	A	V
	*	5720	123.94	-	-	110.16	32.16	11.78	30.16	213	142	P	V
	*	5720	116.39	-	-	102.61	32.16	11.78	30.16	213	142	A	V
		5913	56.13	-12.07	68.2	41.77	32.62	11.98	30.24	213	142	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	53.27	-20.73	74	63.19	40.15	17.57	67.64	100	350	P	H
		11440	44.61	-9.39	54	54.53	40.15	17.57	67.64	100	350	A	H
		13281	50.57	-23.43	74	59.91	39.24	19.16	67.74	-	-	P	H
		13281	40.75	-13.25	54	50.09	39.24	19.16	67.74	-	-	A	H
		14491	51.87	-22.13	74	57.81	41.76	20.04	67.74	-	-	P	H
		14491	43.2	-10.8	54	49.14	41.76	20.04	67.74	-	-	A	H
		17160	54.03	-14.17	68.2	61.39	39.54	22.08	68.98	-	-	P	H
		17978	60.64	-13.36	74	59.2	47.87	22.99	69.42	-	-	P	H
		17978	50.24	-3.76	54	48.8	47.87	22.99	69.42	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	56.05	-17.95	74	65.94	40.18	17.57	67.64	344	289	P	V
5720MHz		11440	45.89	-8.11	54	55.78	40.18	17.57	67.64	344	289	A	V
		13325	50.56	-23.44	74	59.66	39.42	19.2	67.72	-	-	P	V
		13325	41.13	-12.87	54	50.23	39.42	19.2	67.72	-	-	A	V
		14491	51.73	-22.27	74	57.8	41.63	20.04	67.74	-	-	P	V
		14491	43.42	-10.58	54	49.49	41.63	20.04	67.74	-	-	A	V
		17160	56.66	-11.54	68.2	63.9	39.66	22.08	68.98	-	-	P	V
		17989	59.93	-14.07	74	58.59	47.76	23	69.42	-	-	P	V
		17989	50.03	-3.97	54	48.69	47.76	23	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 - Straddle Channel

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 142 5710MHz		5458.42	52.65	-21.35	74	39.24	32.01	11.48	30.08	387	118	P	H
		5466.22	52.22	-15.98	68.2	38.81	32.01	11.49	30.09	387	118	P	H
		5426.05	44.33	-9.67	54	31.06	31.9	11.45	30.08	387	118	A	H
	*	5710	119.29	-	-	105.6	32.07	11.78	30.16	387	118	P	H
	*	5710	112.09	-	-	98.4	32.07	11.78	30.16	387	118	A	H
		5860	55.69	-12.51	68.2	41.54	32.45	11.89	30.19	387	118	P	H
		5449.45	53.9	-20.1	74	40.56	31.95	11.47	30.08	207	138	P	V
		5459.98	53.38	-20.62	74	40.02	31.96	11.48	30.08	207	138	P	V
		5424.88	45.68	-8.32	54	32.44	31.86	11.45	30.07	207	138	A	V
	*	5710	122.39	-	-	108.63	32.14	11.78	30.16	207	138	P	V
	*	5710	114.65	-	-	100.89	32.14	11.78	30.16	207	138	A	V
		5853.25	60.4	-7.8	68.2	46.24	32.46	11.88	30.18	207	138	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	51.41	-22.59	74	61.4	40.12	17.55	67.66	374	341	P	H
		11420	43.81	-10.19	54	53.8	40.12	17.55	67.66	374	341	A	H
		13358	50.59	-23.41	74	59.54	39.53	19.22	67.7	-	-	P	H
		13358	42.18	-11.82	54	51.13	39.53	19.22	67.7	-	-	A	H
		14491	51.96	-22.04	74	57.9	41.76	20.04	67.74	-	-	P	H
		14491	42.97	-11.03	54	48.91	41.76	20.04	67.74	-	-	A	H
		17130	50.7	-17.5	68.2	58.12	39.47	22.05	68.94	-	-	P	H
		18000	60.52	-13.48	74	58.5	48.43	23.01	69.42	-	-	P	H
		18000	50.72	-3.28	54	48.7	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	52.21	-21.79	74	62.19	40.13	17.55	67.66	350	204	P	V
5710MHz		11420	45	-9	54	54.98	40.13	17.55	67.66	350	204	A	V
		13270	50.2	-23.8	74	59.61	39.19	19.15	67.75	-	-	P	V
		13270	41.8	-12.2	54	51.21	39.19	19.15	67.75	-	-	A	V
		14491	51.22	-22.78	74	57.29	41.63	20.04	67.74	-	-	P	V
		14491	43.35	-10.65	54	49.42	41.63	20.04	67.74	-	-	A	V
		17130	54.94	-13.26	68.2	62.23	39.6	22.05	68.94	-	-	P	V
		17989	59.63	-14.37	74	58.29	47.76	23	69.42	-	-	P	V
		17989	49.93	-4.07	54	48.59	47.76	23	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

UNII-3 Straddle Channel

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.69	54.47	-19.53	74	41.06	32.01	11.48	30.08	259	11	P	H
		5467.39	53.38	-14.82	68.2	39.97	32.01	11.49	30.09	259	11	P	H
		5456.47	45.31	-8.69	54	31.9	32.01	11.48	30.08	259	11	A	H
	*	5690	113.73	-	-	100.09	32.02	11.77	30.15	259	11	P	H
802.11ax	*	5690	105.79	-	-	92.15	32.02	11.77	30.15	259	11	A	H
HE80 Full		5869	59.94	-8.26	68.2	45.78	32.46	11.9	30.2	259	11	P	H
CH 138		5435.8	54.35	-19.65	74	41.07	31.9	11.46	30.08	371	21	P	V
5690MHz		5464.27	55.11	-13.09	68.2	41.75	31.96	11.49	30.09	371	21	P	V
		5453.74	46.43	-7.57	54	33.07	31.96	11.48	30.08	371	21	A	V
	*	5690	119.03	-	-	105.31	32.1	11.77	30.15	371	21	P	V
	*	5690	109.67	-	-	95.95	32.1	11.77	30.15	371	21	A	V
		5854.5	62.98	-5.22	68.2	48.81	32.47	11.88	30.18	371	21	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	50.62	-23.38	74	60.77	40.03	17.51	67.69	145	266	P	H
		11380	41.52	-12.48	54	51.67	40.03	17.51	67.69	145	266	A	H
		13380	50.76	-23.24	74	59.6	39.6	19.24	67.68	-	-	P	H
		13380	42.89	-11.11	54	51.73	39.6	19.24	67.68	-	-	A	H
		14491	52.77	-21.23	74	58.71	41.76	20.04	67.74	-	-	P	H
		14491	43.68	-10.32	54	49.62	41.76	20.04	67.74	-	-	A	H
		17070	49.69	-18.51	68.2	57.14	39.43	21.99	68.87	-	-	P	H
		18000	60.52	-13.48	74	58.5	48.43	23.01	69.42	-	-	P	H
		18000	50.42	-3.58	54	48.4	48.43	23.01	69.42	-	-	A	H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	51.17	-22.83	74	61.33	40.02	17.51	67.69	241	155	P	V
5690MHz		11380	41.66	-12.34	54	51.82	40.02	17.51	67.69	241	155	A	V
		13292	49.68	-24.32	74	58.96	39.28	19.17	67.73	-	-	P	V
		13292	41.47	-12.53	54	50.75	39.28	19.17	67.73	-	-	A	V
		14491	51.98	-22.02	74	58.05	41.63	20.04	67.74	-	-	P	V
		14491	43.04	-10.96	54	49.11	41.63	20.04	67.74	-	-	A	V
		17070	49.01	-19.19	68.2	56.31	39.58	21.99	68.87	-	-	P	V
		17934	59.55	-14.45	74	59.5	46.53	22.94	69.42	-	-	P	V
		17934	49.55	-4.45	54	49.5	46.53	22.94	69.42	-	-	A	V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission below 1GHz

WIFI 802.11ax HE20 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full SHF		36480	48.59	-25.41	74	38.92	42.54	21.91	54.78	150	220	P	H
		36480	40	-14	54	30.33	42.54	21.91	54.78	150	220	A	H
		39956	53.03	-20.97	74	37.72	44.92	24.56	54.17	150	351	P	H
		39956	44.87	-9.13	54	29.56	44.92	24.56	54.17	150	351	A	H
													H
													H
													H
													H
													H
													H
													H
		36480	48.13	-25.87	74	38.41	42.59	21.91	54.78	150	187	P	V
		36480	39.95	-14.05	54	30.23	42.59	21.91	54.78	150	187	A	V
		39846	52.54	-21.46	74	37.07	44.64	24.49	53.66	150	62	P	V
		39846	44.92	-9.08	54	29.45	44.64	24.49	53.66	150	62	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission above 18GHz

WIFI 802.11ax HE80 Full (SHF @ 1m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full SHF		36480	48.17	-25.83	74	38.5	42.54	21.91	54.78	150	145	P	H
		36480	39.73	-14.27	54	30.06	42.54	21.91	54.78	150	145	A	H
		39428	52.35	-21.65	74	37.82	44.59	24.2	54.26	150	205	P	H
		39428	44.47	-9.53	54	29.94	44.59	24.2	54.26	150	205	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		36458	48.6	-25.4	74	38.89	42.6	21.9	54.79	150	44	P	V
		36458	40.2	-13.8	54	30.49	42.6	21.9	54.79	150	44	A	V
		39758	51.88	-22.12	74	36.47	44.62	24.43	53.64	150	226	P	V
		39758	45.45	-8.55	54	30.04	44.62	24.43	53.64	150	226	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission below 1GHz

WIFI 802.11ax HE20 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		70.74	26.72	-13.28	40	45.19	12.47	1.49	32.43	-	-	P	H
		125.06	31.65	-11.85	43.5	44.51	17.7	1.84	32.4	-	-	P	H
		151.25	29.48	-14.02	43.5	42.76	17.1	2.03	32.41	-	-	P	H
		190.05	28.37	-15.13	43.5	43.68	14.8	2.29	32.4	-	-	P	H
		749.74	36.3	-9.7	46	36.03	27.99	4.66	32.38	-	-	P	H
		874.87	38.8	-7.2	46	36.54	29.1	4.94	31.78	-	-	P	H
													H
													H
													H
													H
													H
													H
		50.37	33.39	-6.61	40	50.49	14.11	1.23	32.44	-	-	P	V
		105.66	30	-13.5	43.5	44.11	16.57	1.73	32.41	-	-	P	V
		125.06	34.04	-9.46	43.5	46.9	17.7	1.84	32.4	-	-	P	V
		746.83	38.07	-7.93	46	37.87	27.94	4.65	32.39	-	-	P	V
		751.68	35.75	-10.25	46	35.46	28	4.67	32.38	-	-	P	V
		874.87	38.64	-7.36	46	36.38	29.1	4.94	31.78	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

WIFI 802.11ax HE80 Full (LF @ 3m)

WIFI Ant. 4+5	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full LF		71.71	25.47	-14.53	40	43.82	12.57	1.51	32.43	-	-	P	H
		125.06	30.95	-12.55	43.5	43.81	17.7	1.84	32.4	-	-	P	H
		150.28	29.75	-13.75	43.5	42.97	17.17	2.02	32.41	-	-	P	H
		250.19	27.85	-18.15	46	39.14	18.52	2.6	32.41	-	-	P	H
		749.74	36.14	-9.86	46	35.87	27.99	4.66	32.38	-	-	P	H
		874.87	39.23	-6.77	46	36.97	29.1	4.94	31.78	-	-	P	H
													H
													H
													H
													H
													H
													H
		50.37	33.1	-6.9	40	50.2	14.11	1.23	32.44	-	-	P	V
		105.66	28.24	-15.26	43.5	42.35	16.57	1.73	32.41	-	-	P	V
		125.06	34.2	-9.3	43.5	47.06	17.7	1.84	32.4	-	-	P	V
		746.83	37.84	-8.16	46	37.64	27.94	4.65	32.39	-	-	P	V
		752.65	35.34	-10.66	46	35.05	28	4.66	32.37	-	-	P	V
		874.87	38.88	-7.12	46	36.62	29.1	4.94	31.78	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+5		(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. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path 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) + Path 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 Plots

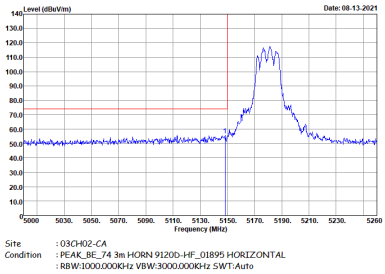
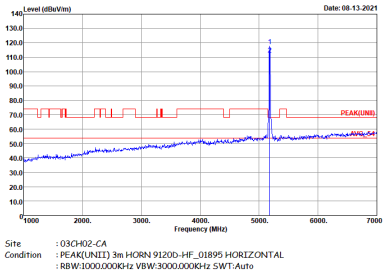
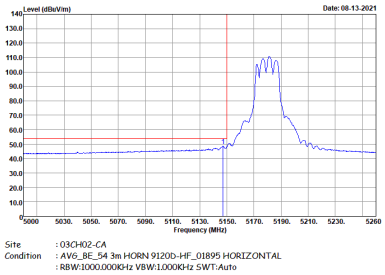
Test Engineer :	Michael Bui and Daniel Lee	**Temperature :**	20~24°C
		Relative Humidity :	42~48%

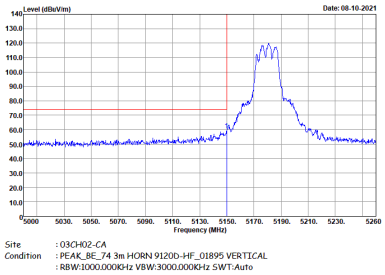
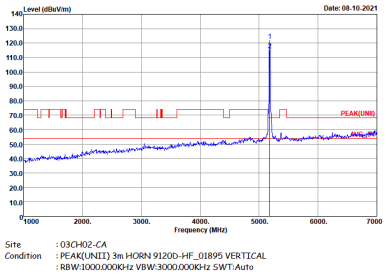
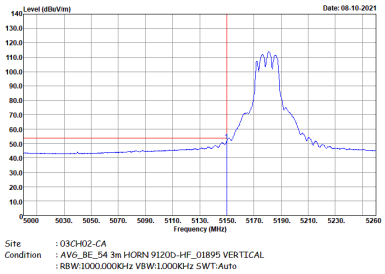
Note symbol

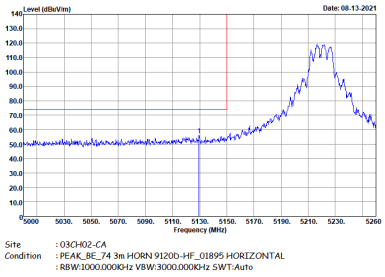
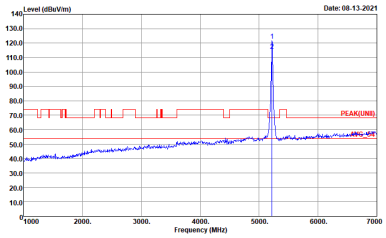
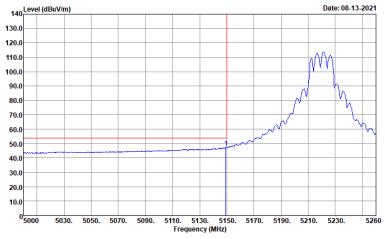
-L	**Low channel location**
-R	**High channel location**

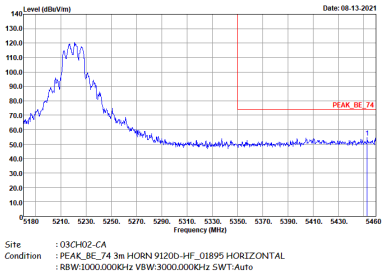
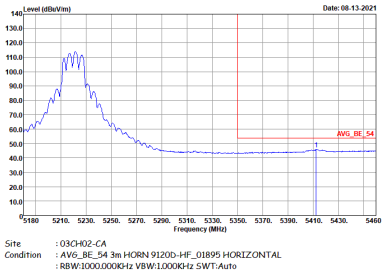
UNII-1 - 5150~5250MHz

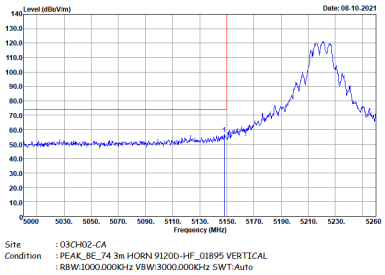
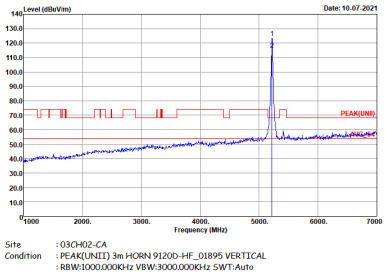
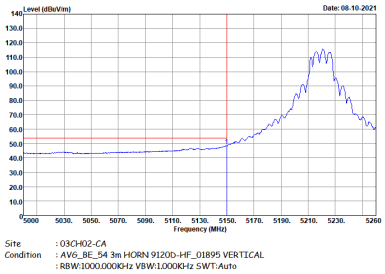
WIFI 802.11a (Band Edge @ 3m)

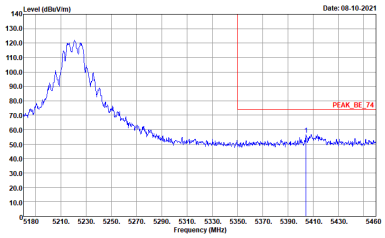
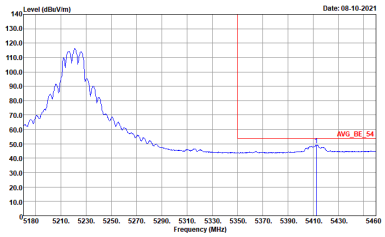
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

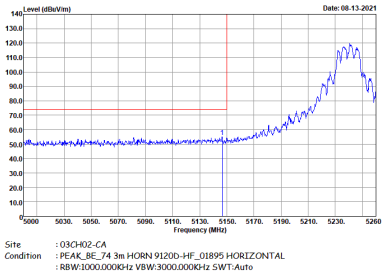
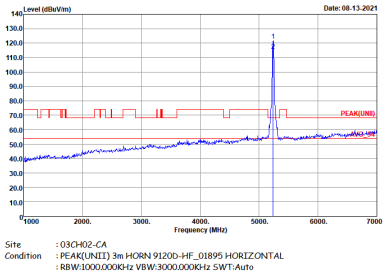
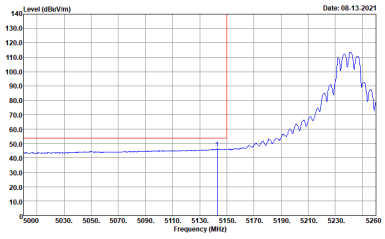
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

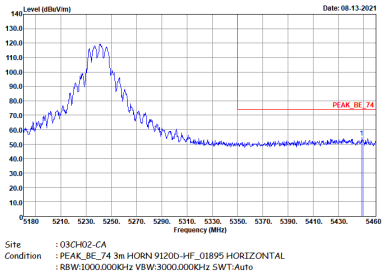
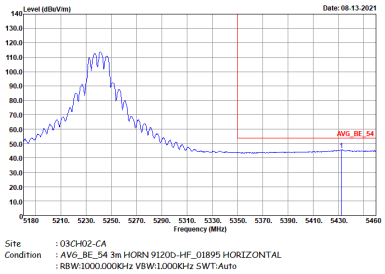
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

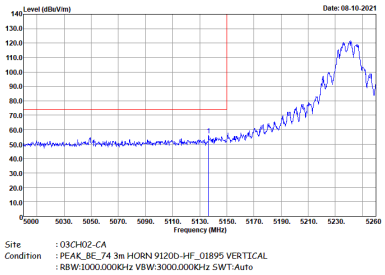
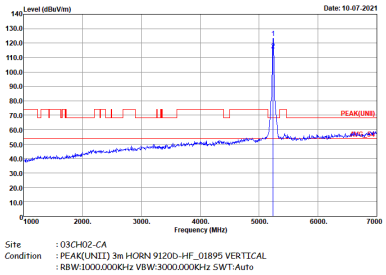
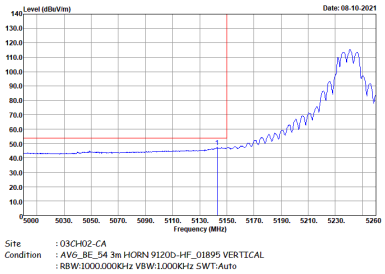
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

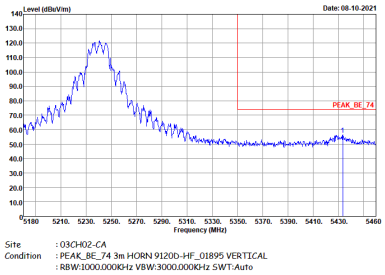
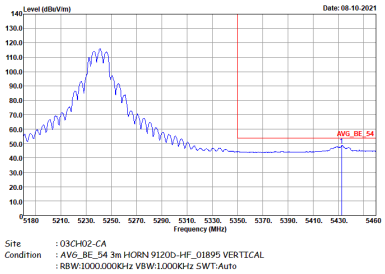
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 210727001 Power : AVR Power 120Vac/60Hz EUT : eero 6fe Model : 5010001 SN : 66B1-UD01-1256-005M	Left blank

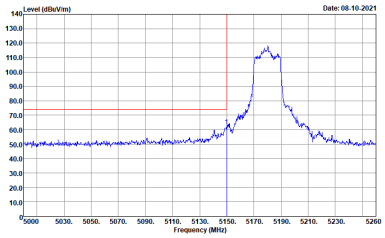
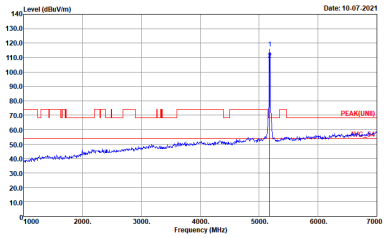
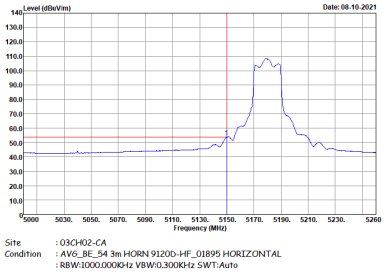
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

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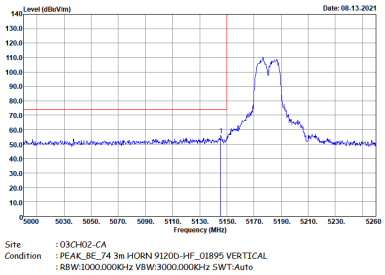
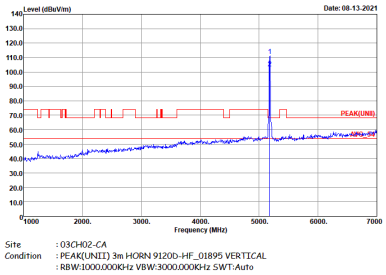
<tr><td>WIFI</td><td colspan="2">UNII-1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE20 Full CH36 5180MHz</td></tr>
<tr><td>4+5</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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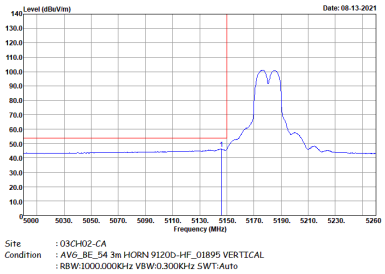
<tr><td>Avg.</td><td> 
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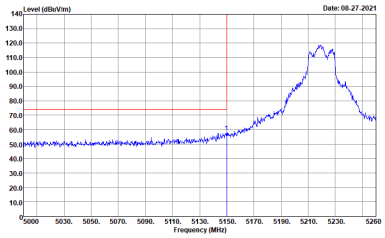
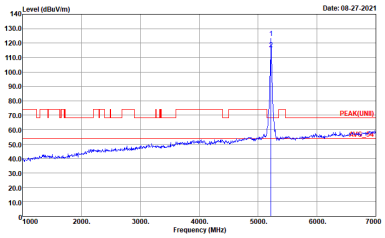
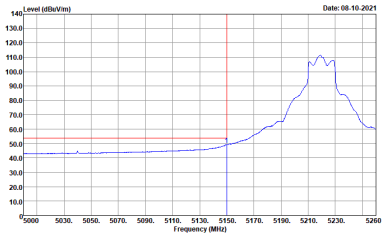
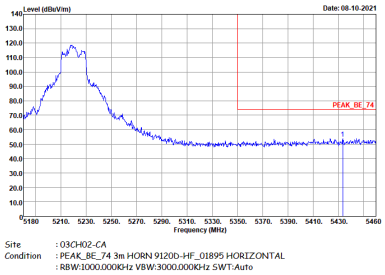
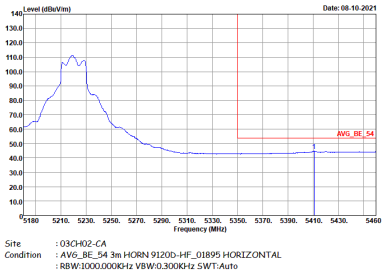
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

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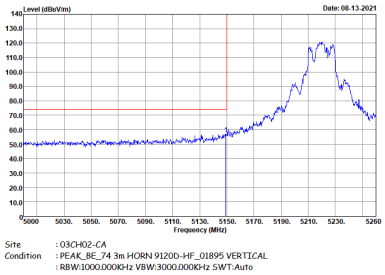
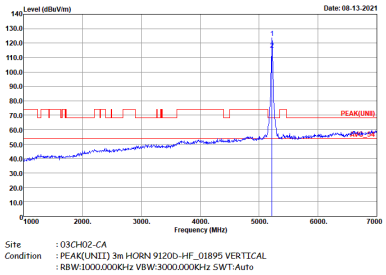
<tr><td>WIFI</td><td colspan="2">UNII-1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE20 Full CH44 5220MHz - L</td></tr>
<tr><td>4+5</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 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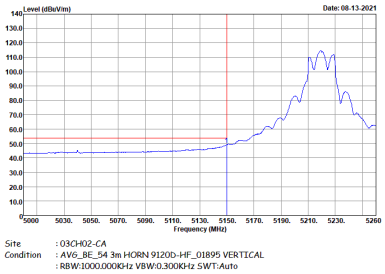
<tr><td>Avg.</td><td> 
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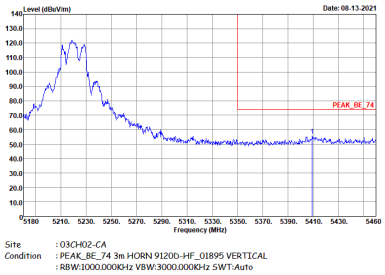
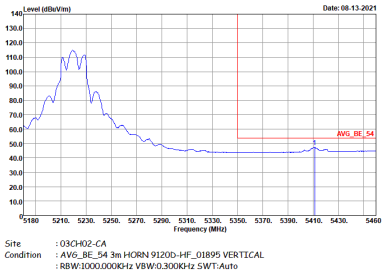
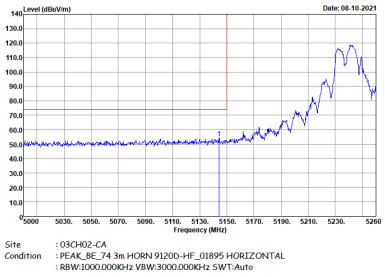
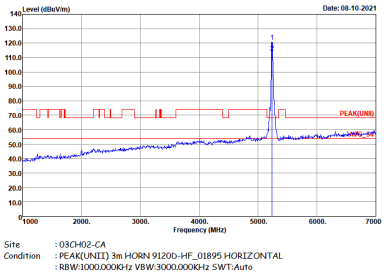
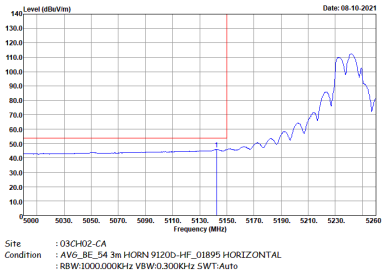
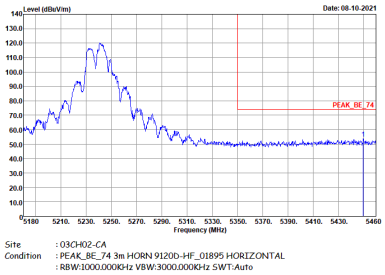
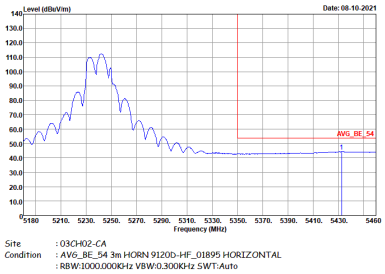
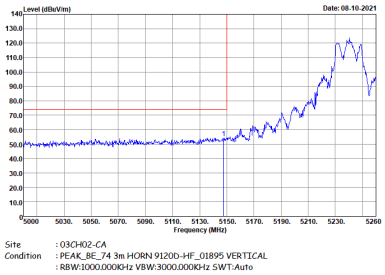
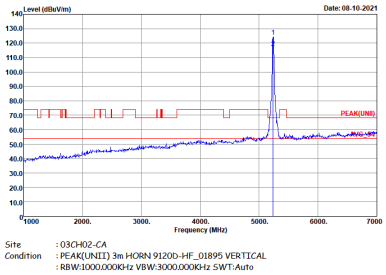
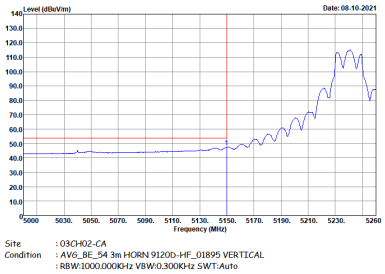
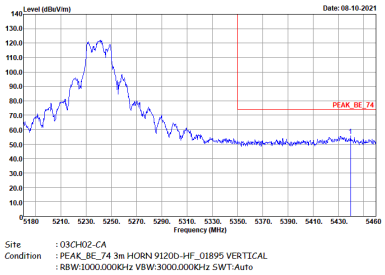
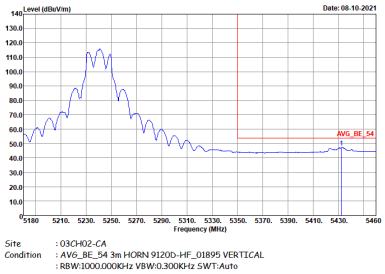
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

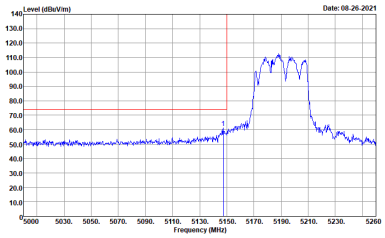
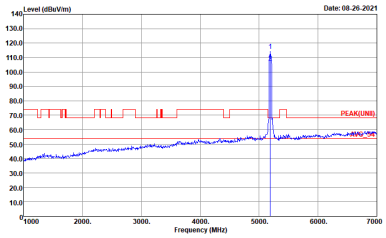
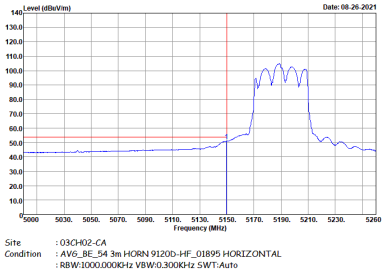
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

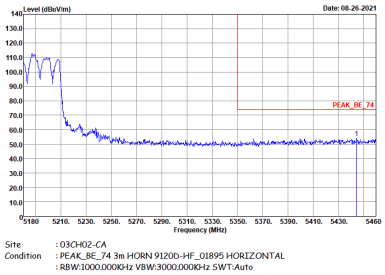
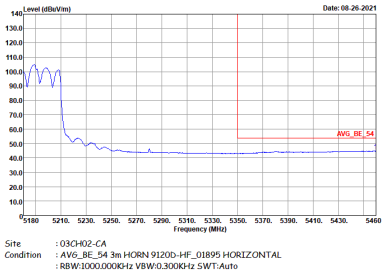
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

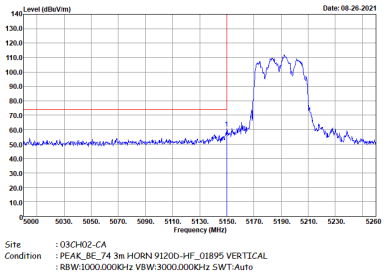
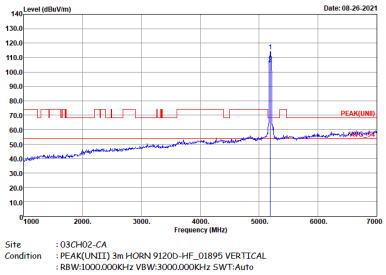
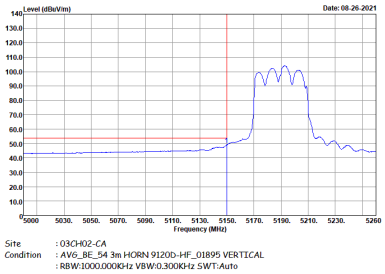
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

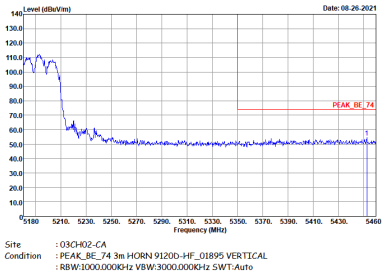
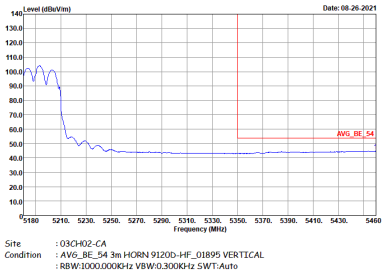
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

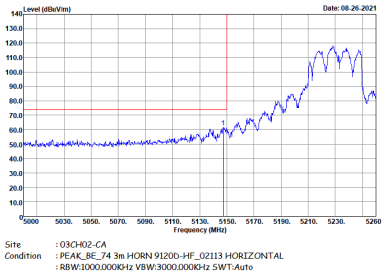
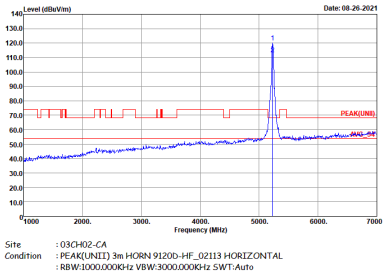
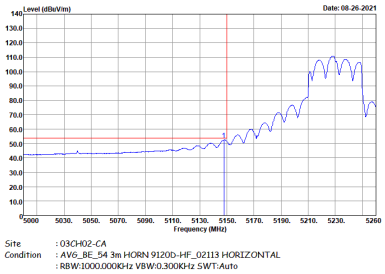
UNII-1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

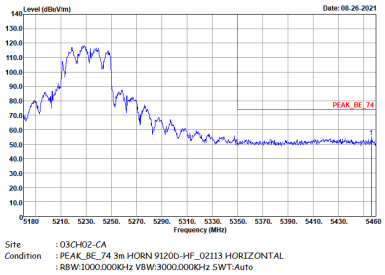
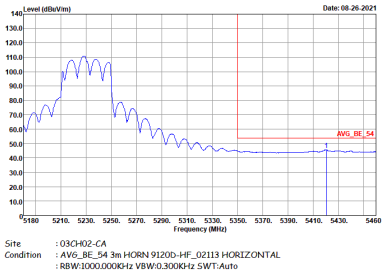
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

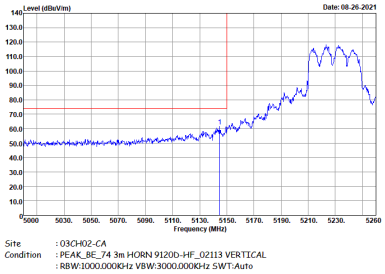
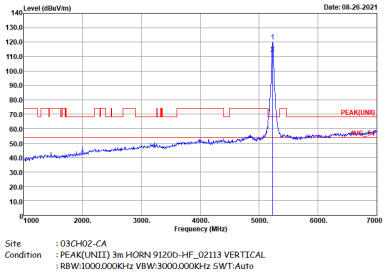
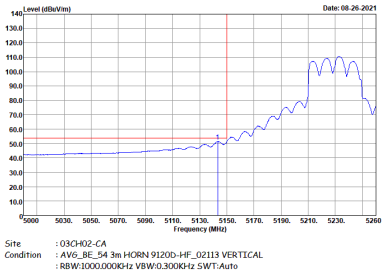
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

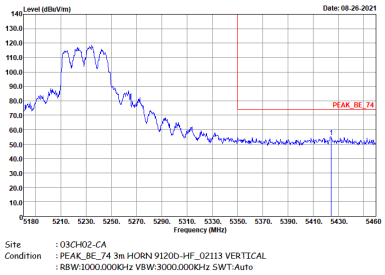
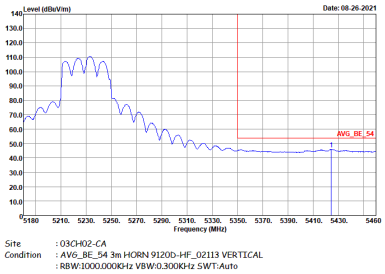
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

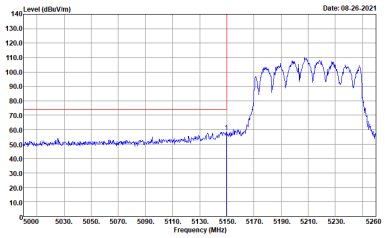
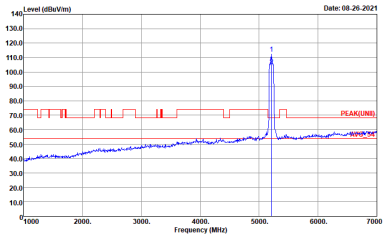
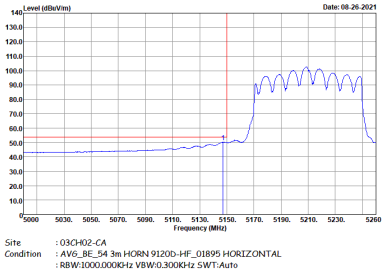
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

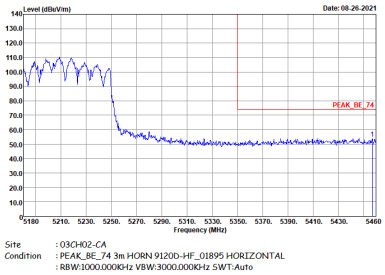
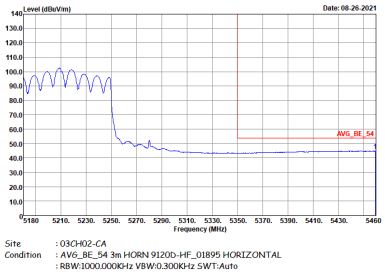
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

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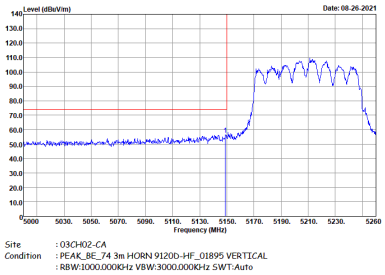
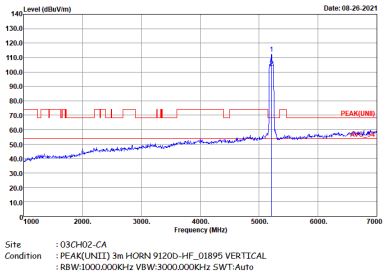
<tr><td>WIFI</td><td colspan="2">UNII-1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE80 Full CH42 5210MHz - L</td></tr>
<tr><td>4+5</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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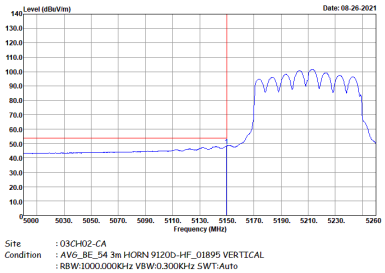
<tr><td>Avg.</td><td> 
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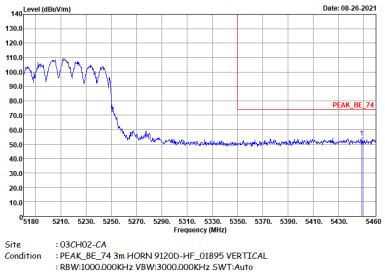
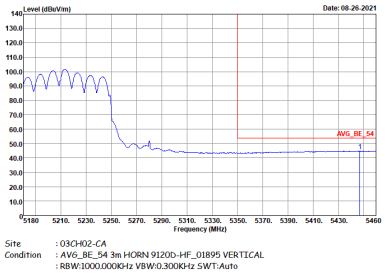
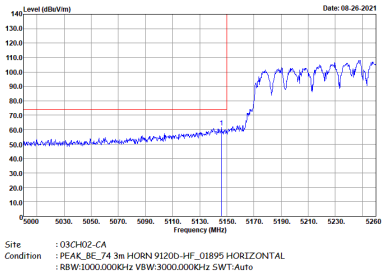
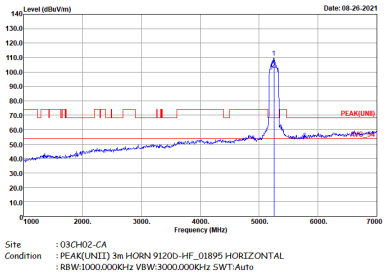
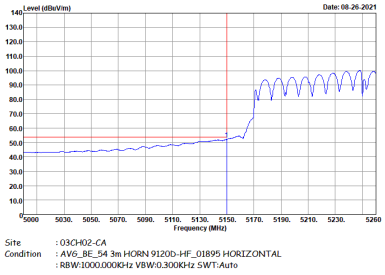
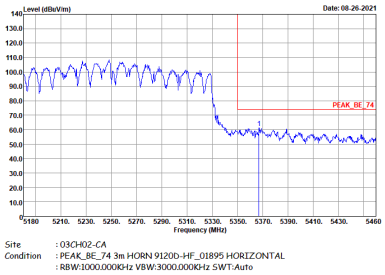
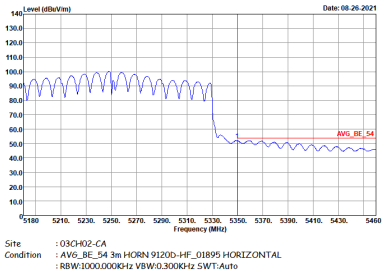
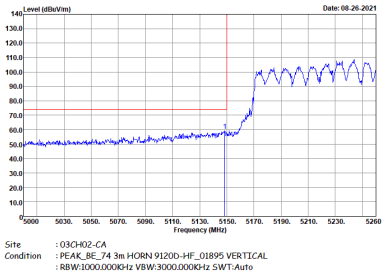
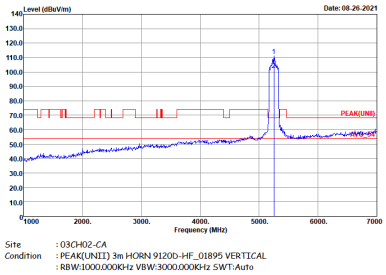
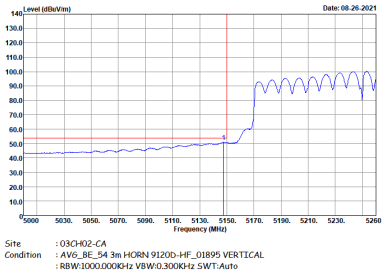
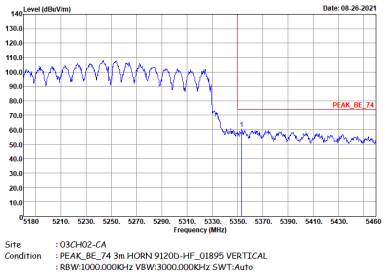
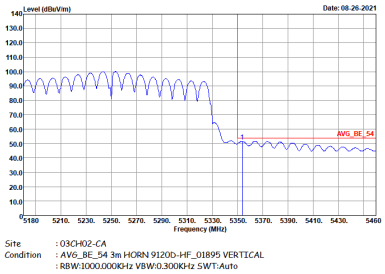
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-1 5150~5250MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

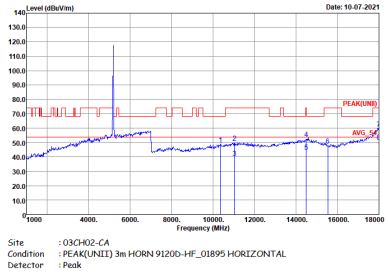
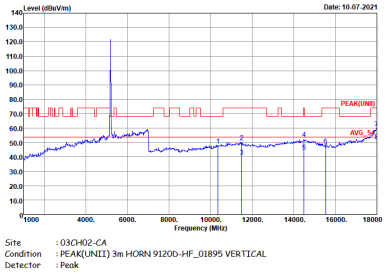
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

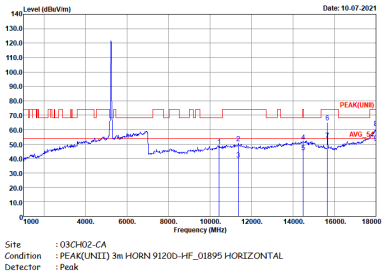
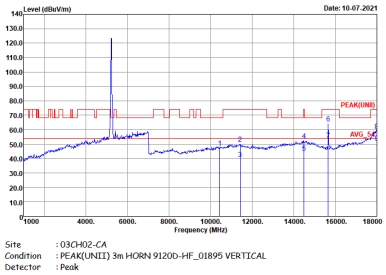
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

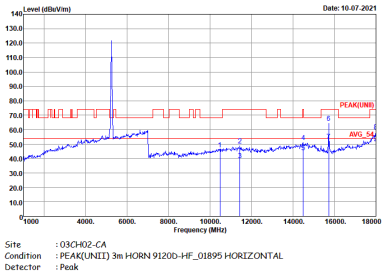
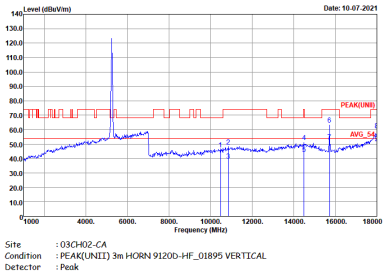
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

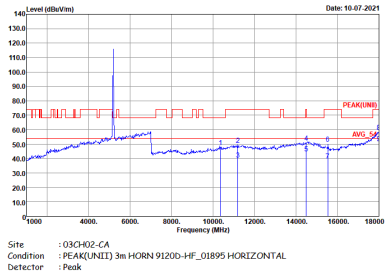
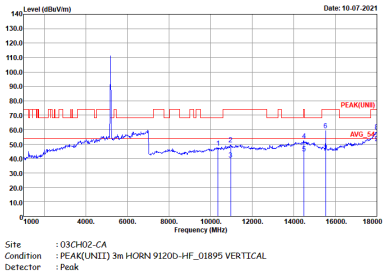
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+5	Horizontal	Vertical
Peak Avg.		

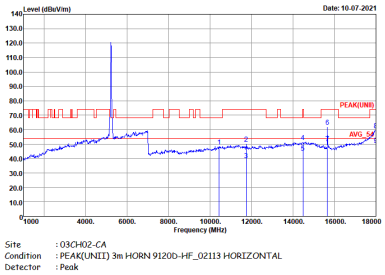
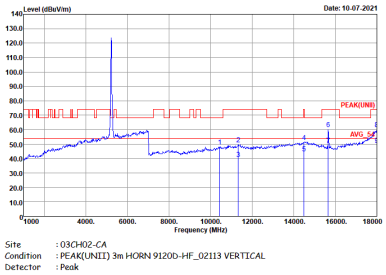
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+5	Horizontal	Vertical
Peak Avg.		

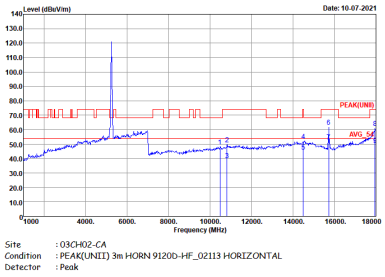
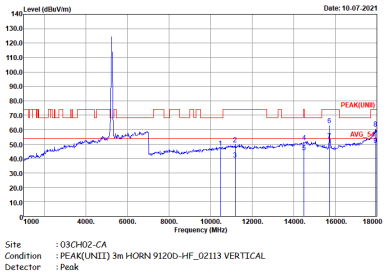
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+5	Horizontal	Vertical
Peak Avg.		

UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

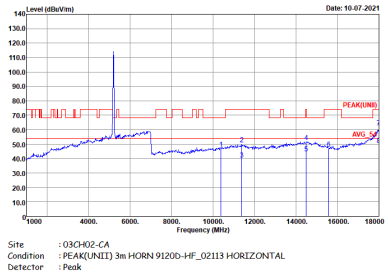
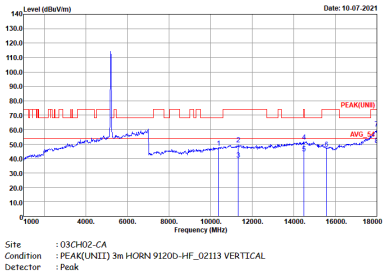
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
4+5	Horizontal	Vertical
Peak Avg.		

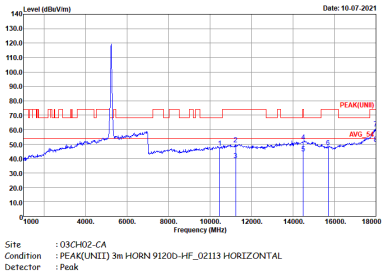
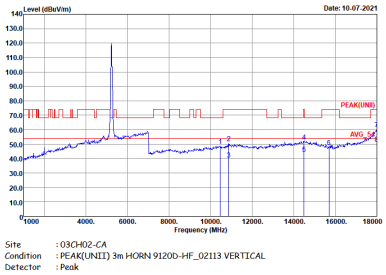
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
4+5	Horizontal	Vertical
Peak Avg.		

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
4+5	Horizontal	Vertical
Peak Avg.		

UNII-1 5150~5250MHz

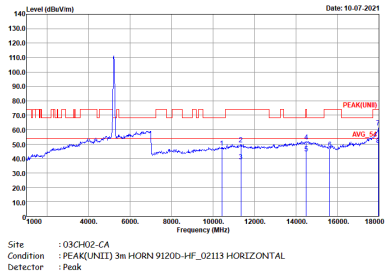
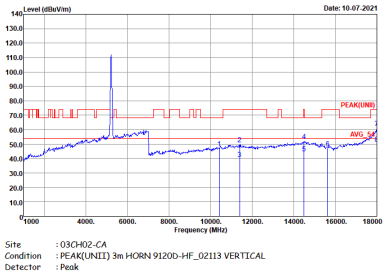
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
4+5	Horizontal	Vertical
Peak Avg.		

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
4+5	Horizontal	Vertical
Peak Avg.		

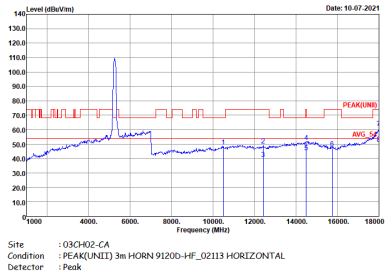
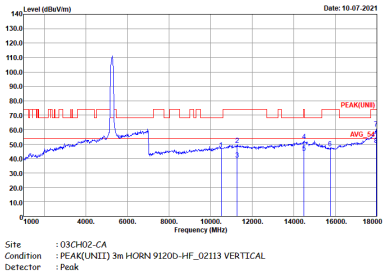
UNII-1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
4+5	Horizontal	Vertical
Peak Avg.		

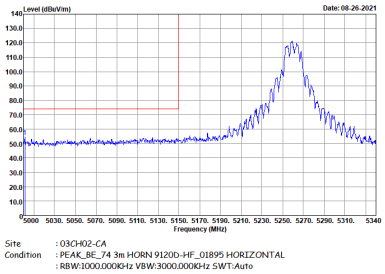
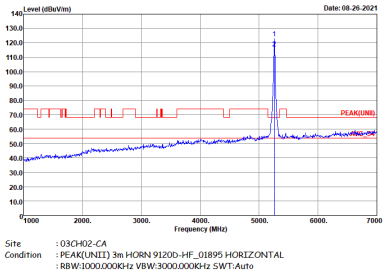
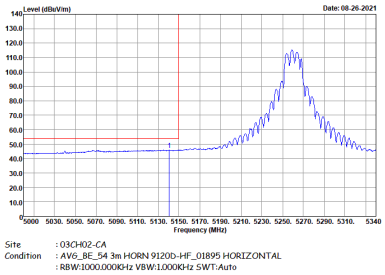
UNII-1 5150~5250MHz

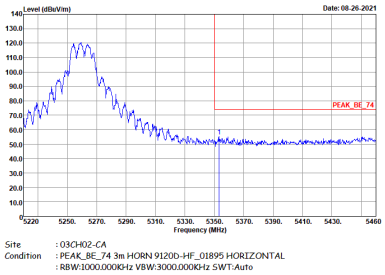
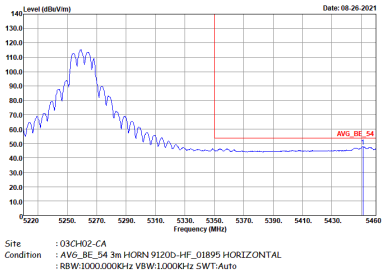
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

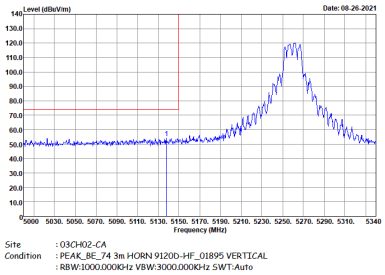
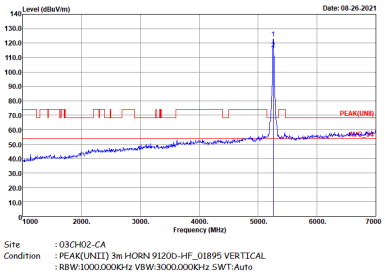
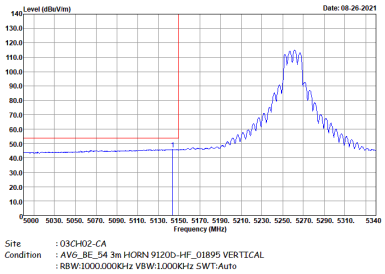
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH50 5250MHz	
4+5	Horizontal	Vertical
Peak Avg.		

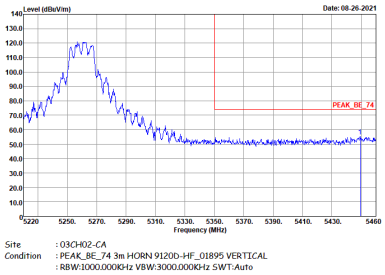
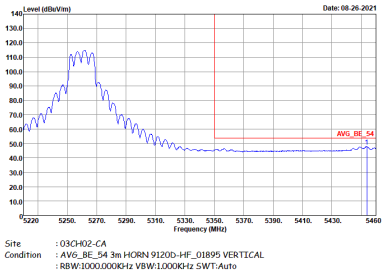
UNII-2 - 5250~5350MHz

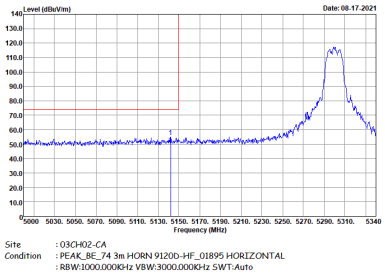
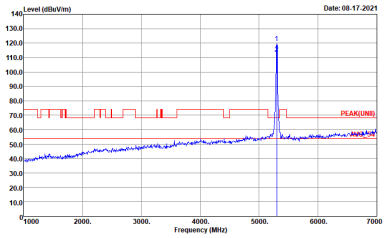
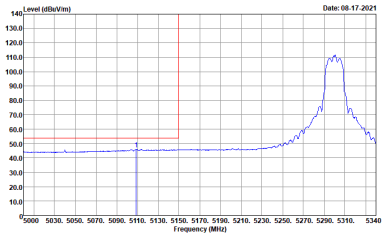
WIFI 802.11a (Band Edge @ 3m)

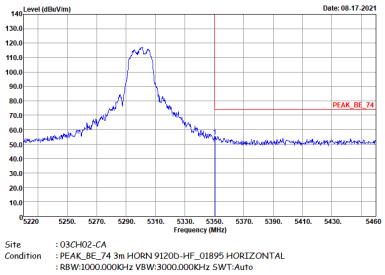
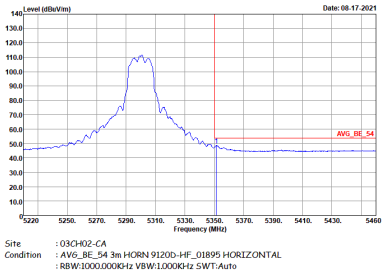
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

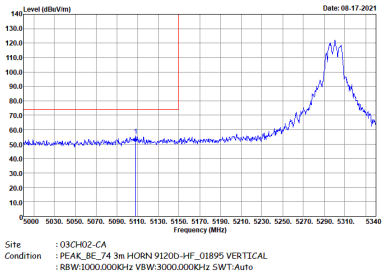
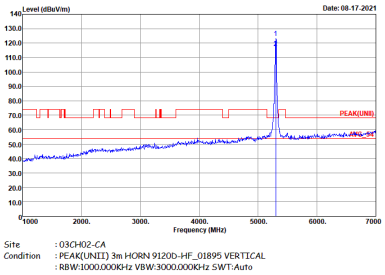
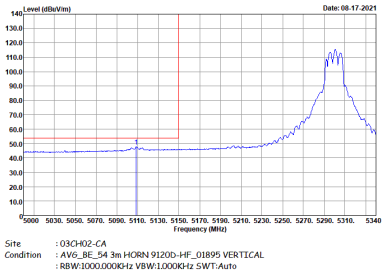
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

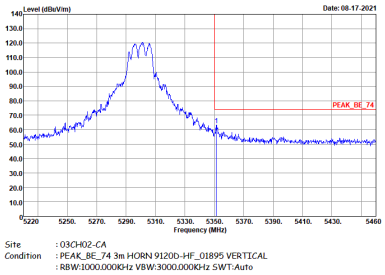
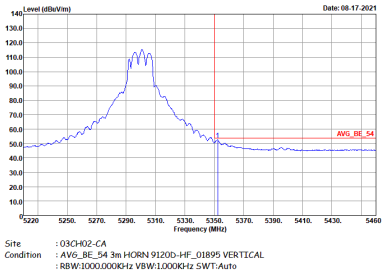
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

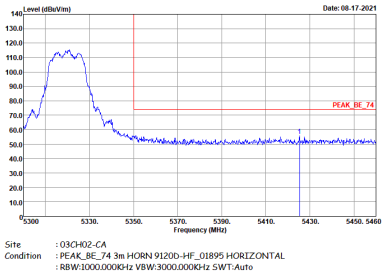
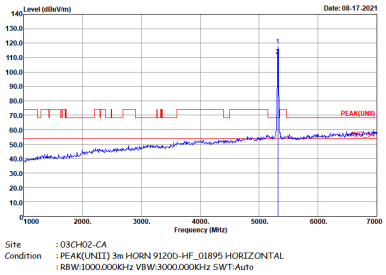
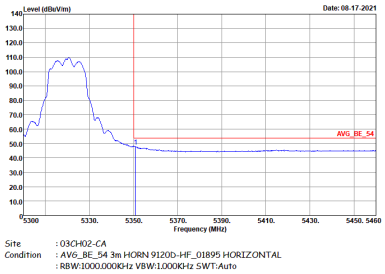
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

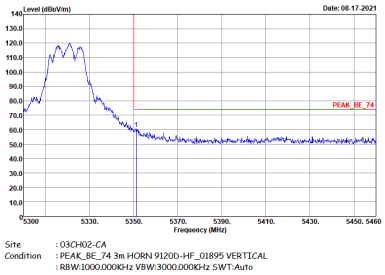
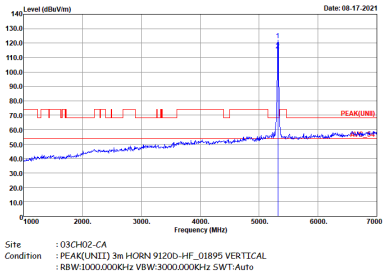
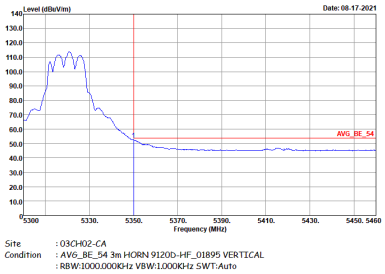
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

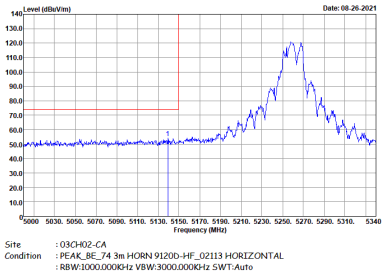
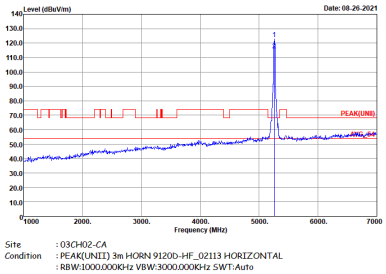
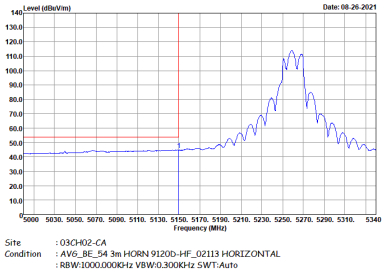
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+5	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

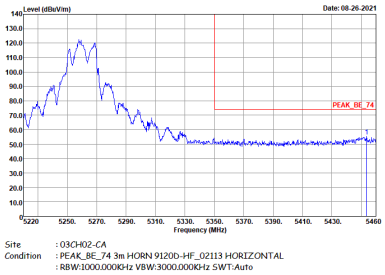
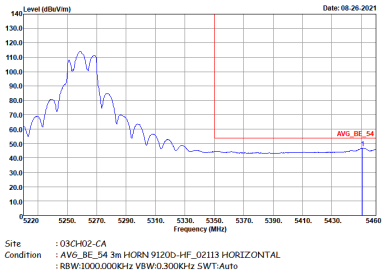
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

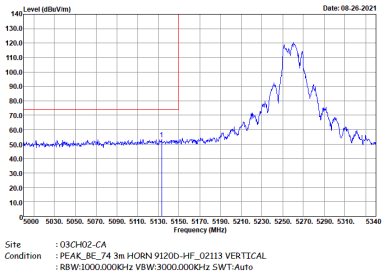
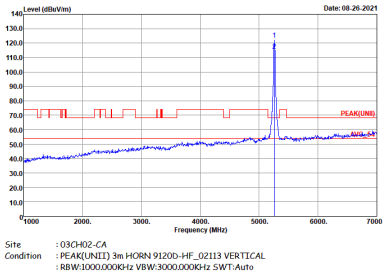
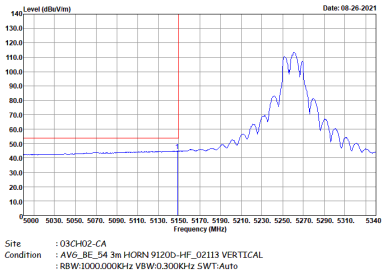
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

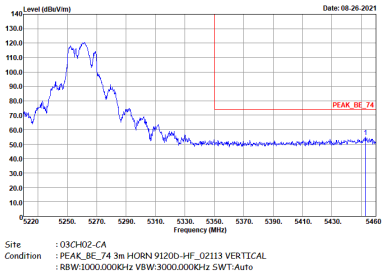
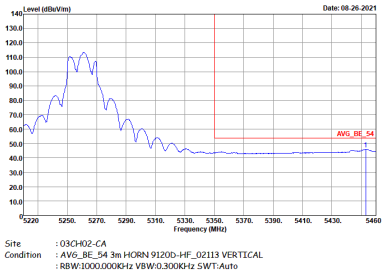
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

UNII-2 5250~5350MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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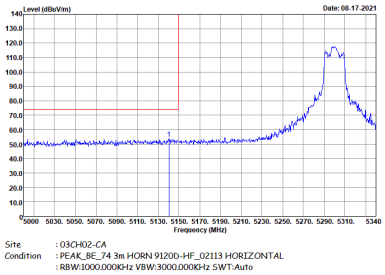
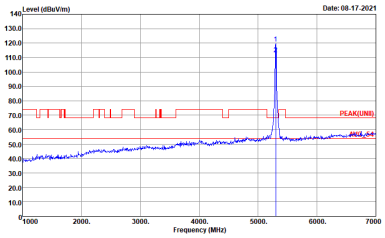
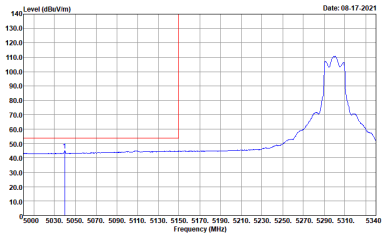
<tr><td>WIFI</td><td colspan="2">UNII-2 5250~5350MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE20 Full CH60 5300MHz - L</td></tr>
<tr><td>4+5</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH02-CA
Condition : PEAK_BE_74 3m HORN 9120D-HF_02113 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</td><td> 

Site : 03CH02-CA
Condition : PEAK(UNII) 3m HORN 9120D-HF_02113 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</td></tr>
<tr><td>Avg.</td><td> 

Site : 03CH02-CA
Condition : AVG_BE_54 3m HORN 9120D-HF_02113 HORIZONTAL
: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</td><td>Left blank</td></tr>
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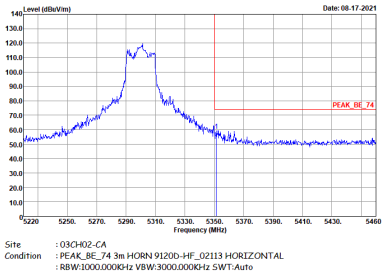
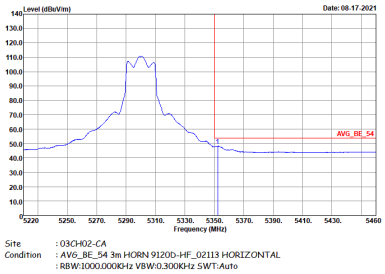
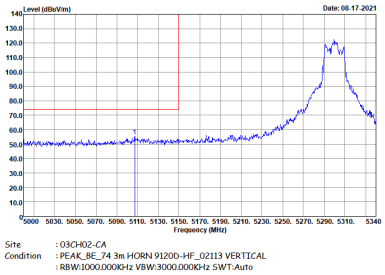
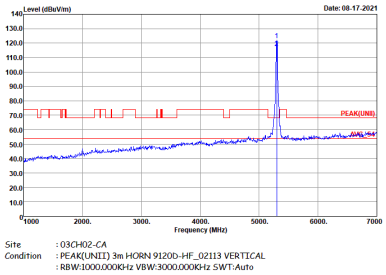
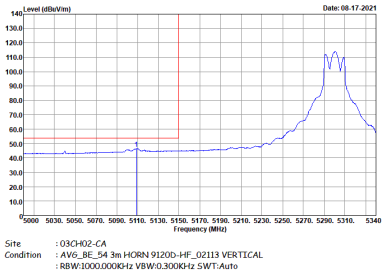
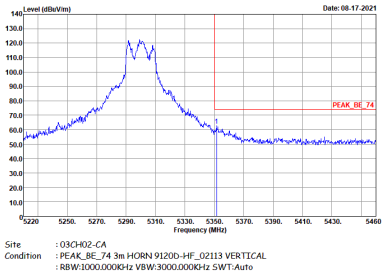
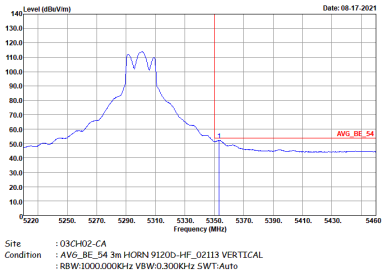
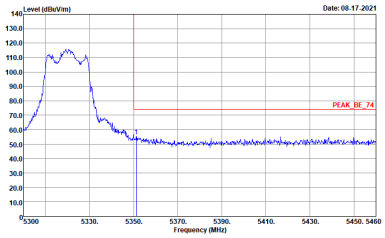
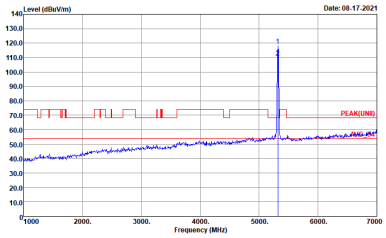
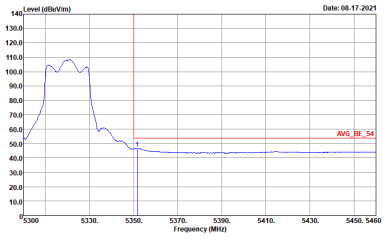
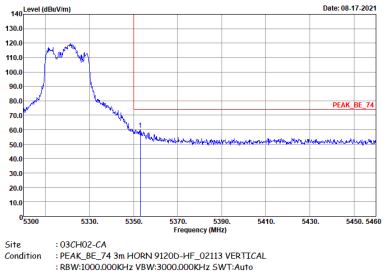
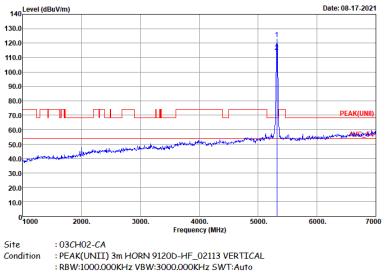
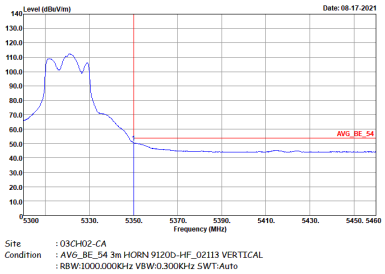
ANT	802.11ax HE20 Full CH60 5300MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

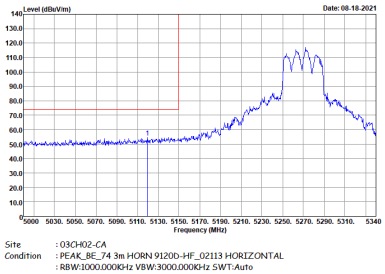
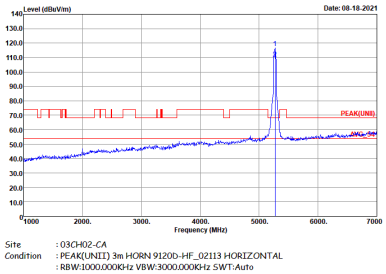
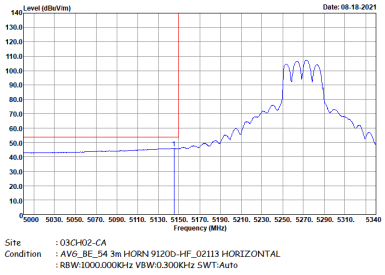
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

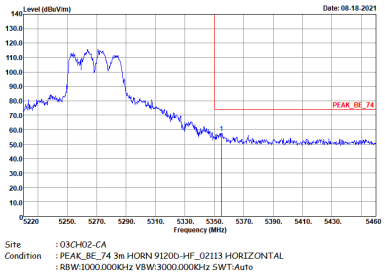
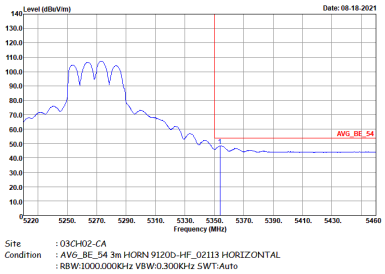
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
4+5	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_02113 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_02113 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+5	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_02113 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_02113 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_02113 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

UNII-2 - 5250~5350MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

<table>
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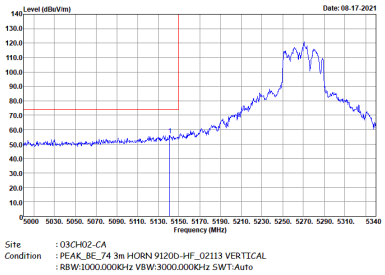
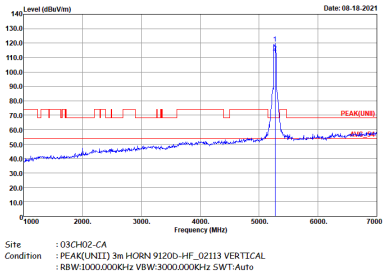
<tr><td>ANT</td><td colspan="2">802.11ax HE40 Full CH54 5270 - L</td></tr>
<tr><td>4+5</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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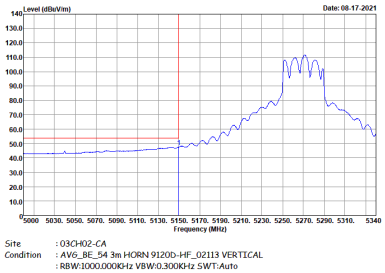
<tr><td>Avg.</td><td> 
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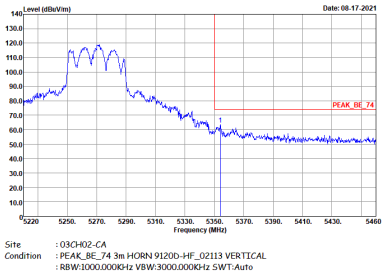
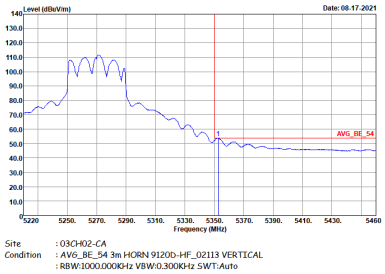
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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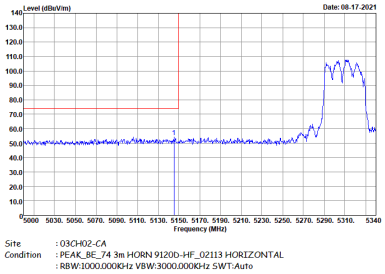
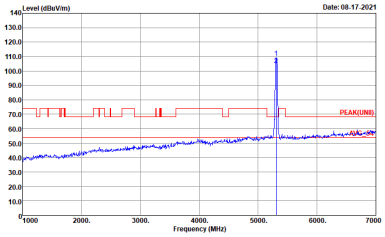
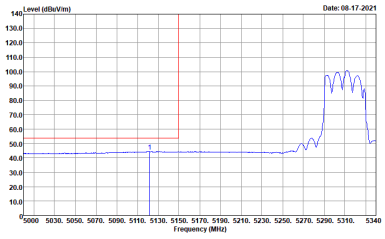
<tr><td>ANT</td><td colspan="2">802.11ax HE40 Full CH62 5310 - L</td></tr>
<tr><td>4+5</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH02-CA
Condition : PEAK_BE_74 3m HORN 9120D-HF_02113 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</td><td> 

Site : 03CH02-CA
Condition : PEAK(UNII) 3m HORN 9120D-HF_02113 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</td></tr>
<tr><td>Avg.</td><td> 

Site : 03CH02-CA
Condition : AVG_BE_54 3m HORN 9120D-HF_02113 HORIZONTAL
: RBW:1000.000KHz VBW:0.300KHz SWT:Auto</td><td>Left blank</td></tr>
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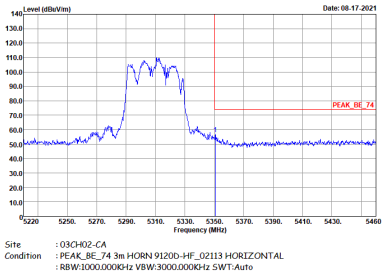
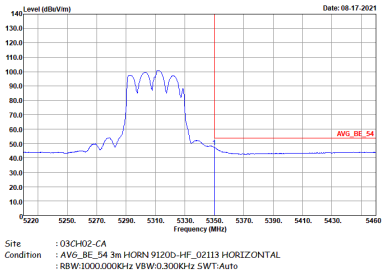
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+5	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

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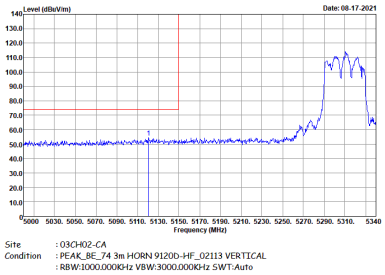
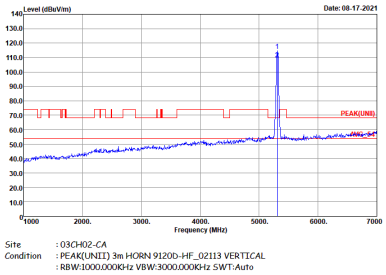
<tr><td>ANT</td><td colspan="2">802.11ax HE40 Full CH62 5310 - L</td></tr>
<tr><td>4+5</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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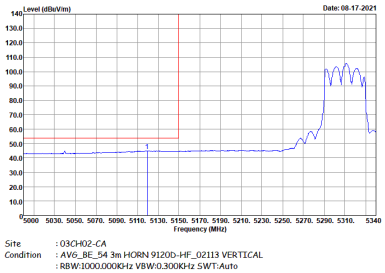
<tr><td>Avg.</td><td> 
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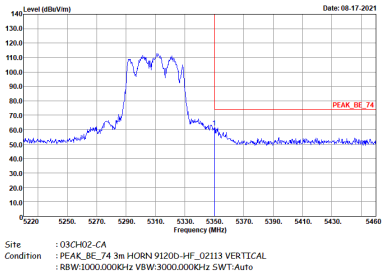
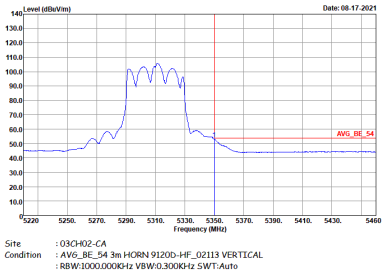
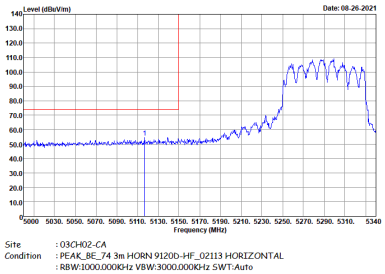
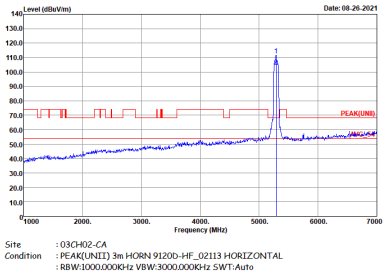
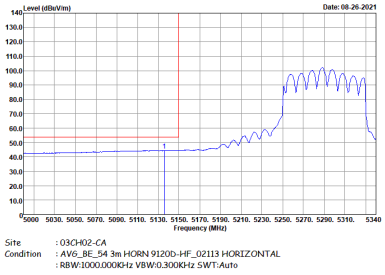
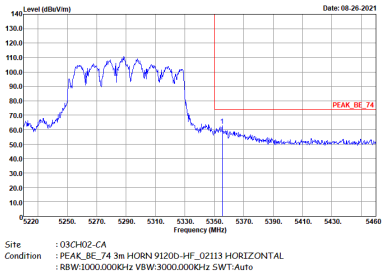
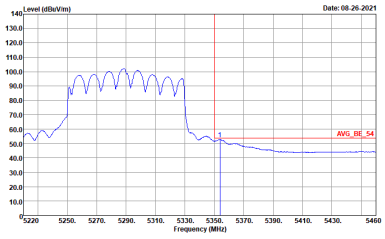
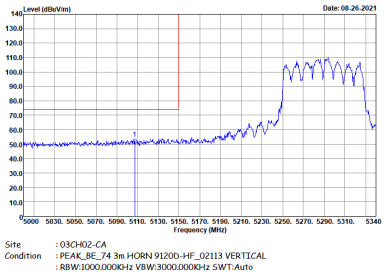
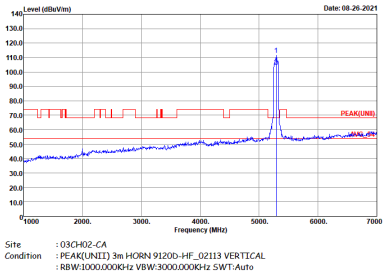
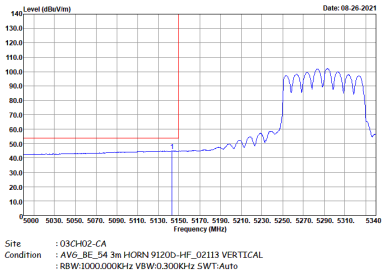
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

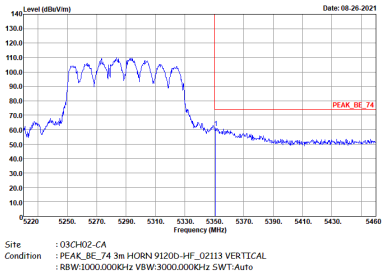
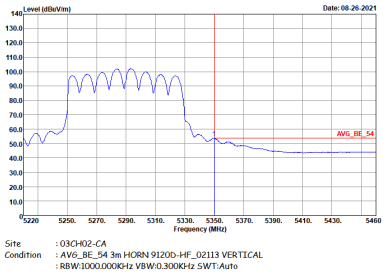
UNII-2 5250~5350MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

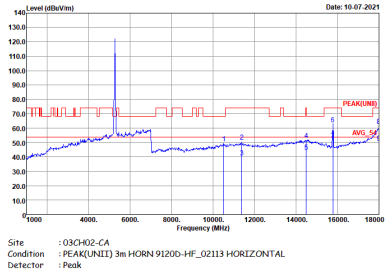
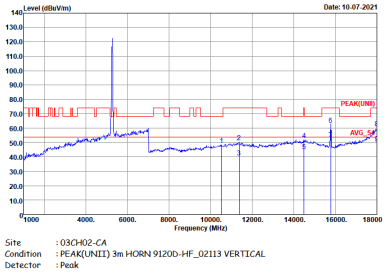
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

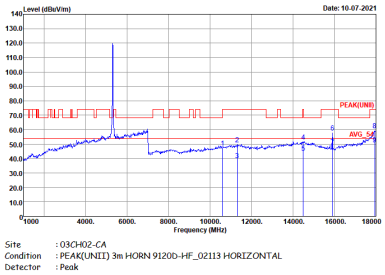
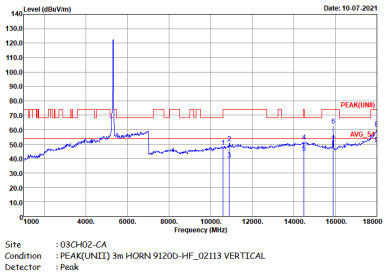
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

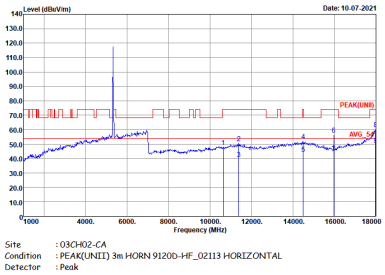
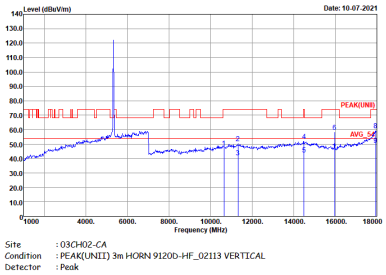
WIFI	UNII-2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

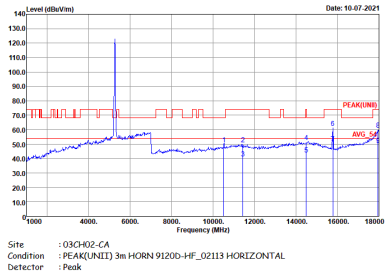
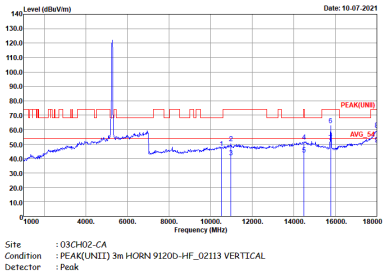
WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+5	Horizontal	Vertical
Peak Avg.		

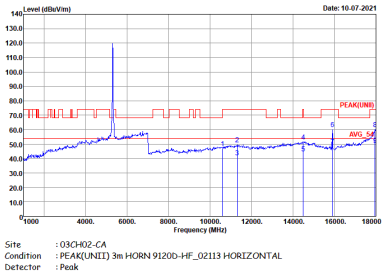
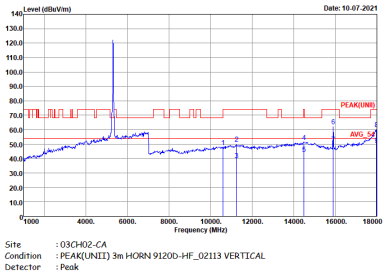
WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+5	Horizontal	Vertical
Peak Avg.		

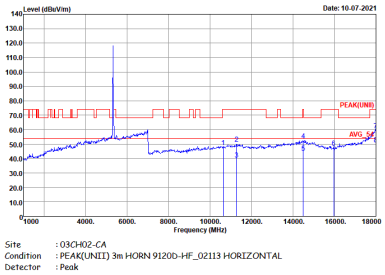
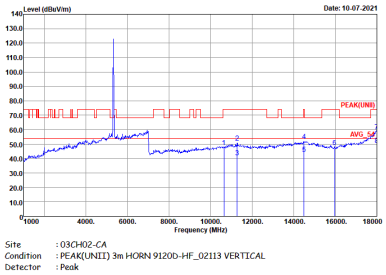
WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+5	Horizontal	Vertical
Peak Avg.		

UNII-2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

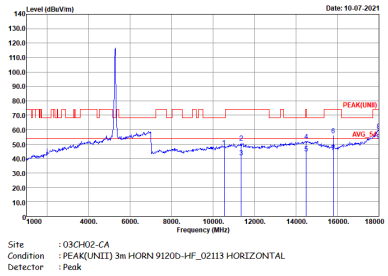
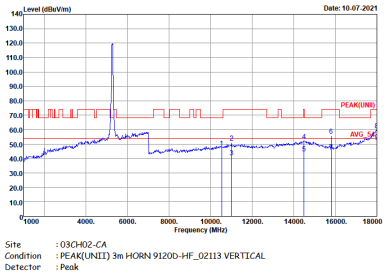
WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
4+5	Horizontal	Vertical
Peak Avg.		

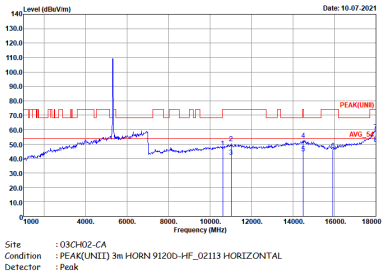
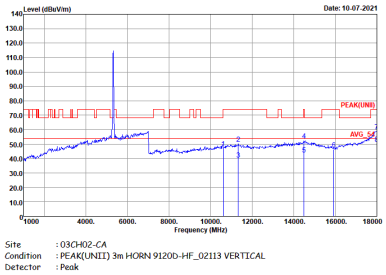
WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
4+5	Horizontal	Vertical
Peak Avg.		

WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
4+5	Horizontal	Vertical
Peak Avg.		

UNII-2 - 5250~5350MHz

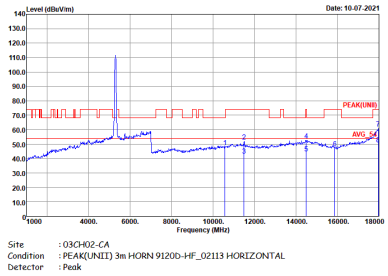
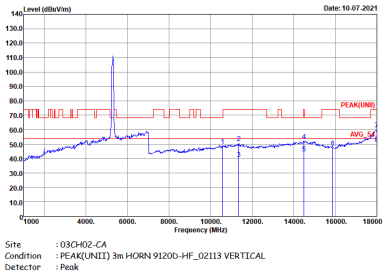
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH54 5270	
4+5	Horizontal	Vertical
Peak Avg.		

WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH62 5310	
4+5	Horizontal	Vertical
Peak Avg.		

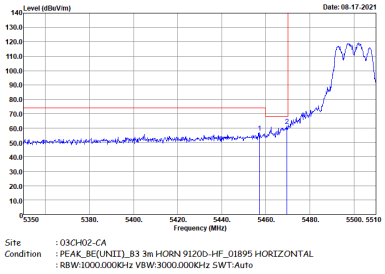
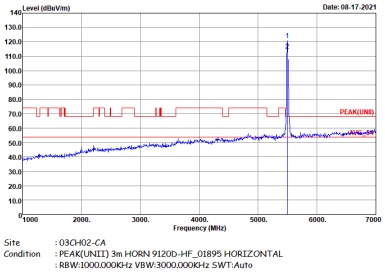
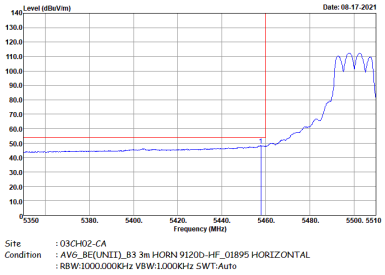
UNII-2 5250~5350MHz

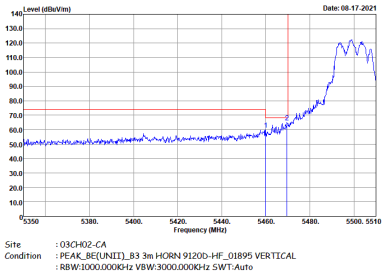
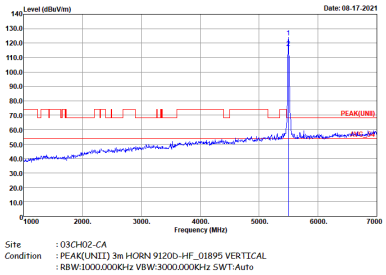
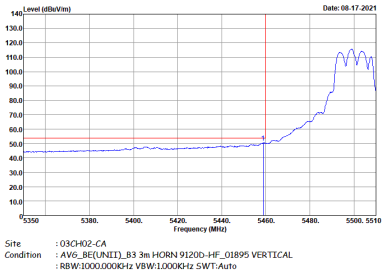
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

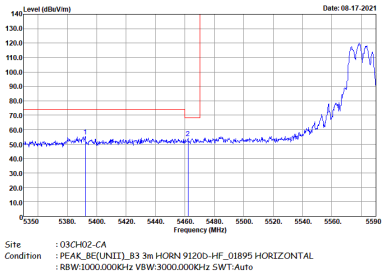
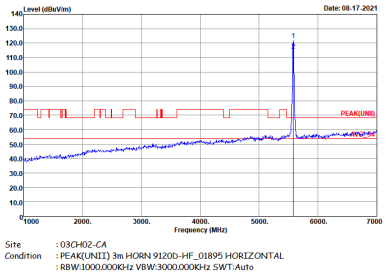
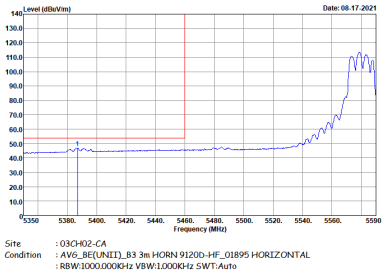
WIFI	UNII-2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz	
4+5	Horizontal	Vertical
Peak Avg.		

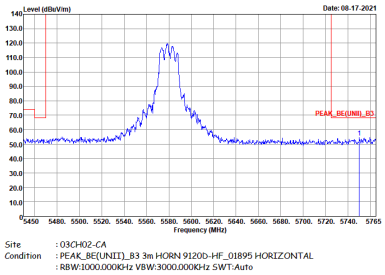
UNII-3 - 5470~5725MHz

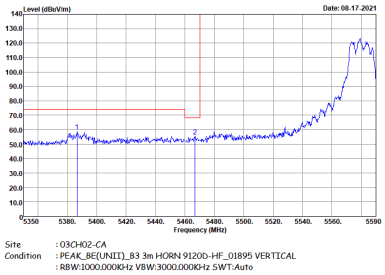
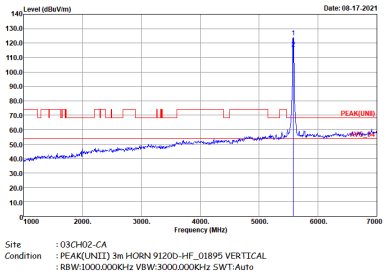
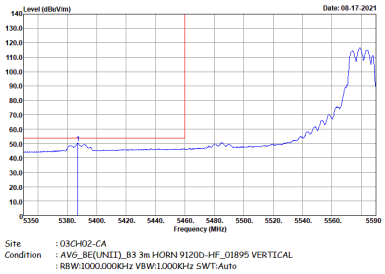
WIFI 802.11a (Band Edge @ 3m)

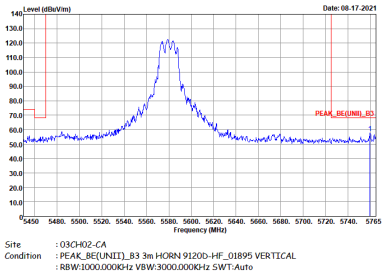
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

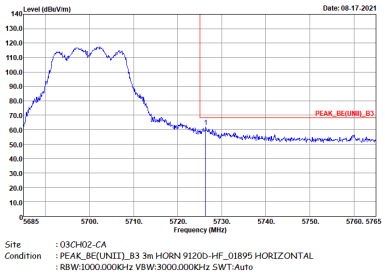
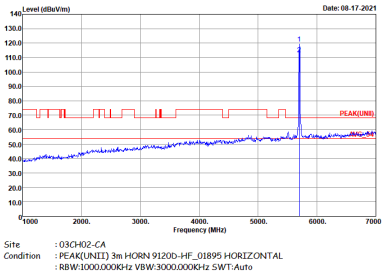
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

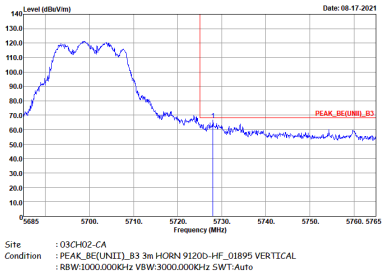
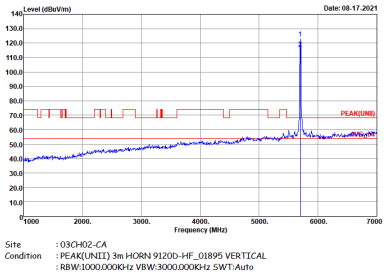
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank

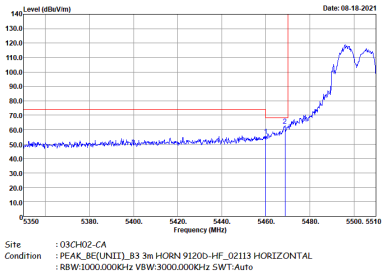
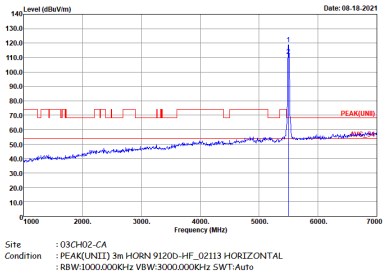
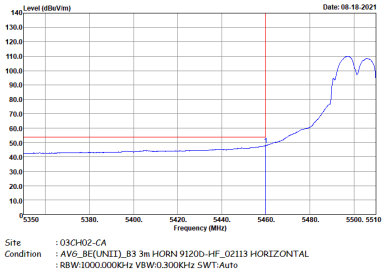
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

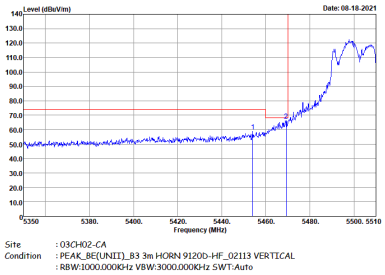
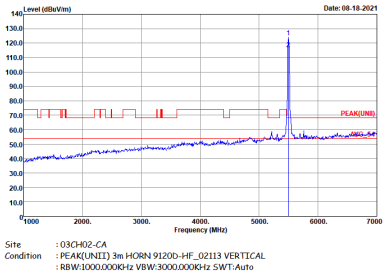
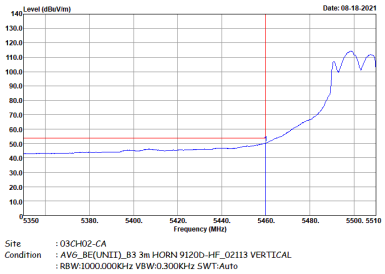
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+5	Vertical	Fundamental
Peak		Left blank

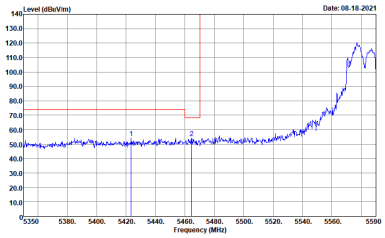
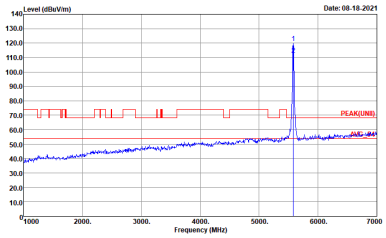
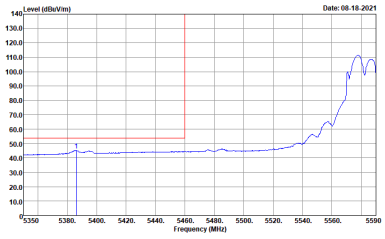
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNII)_83 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

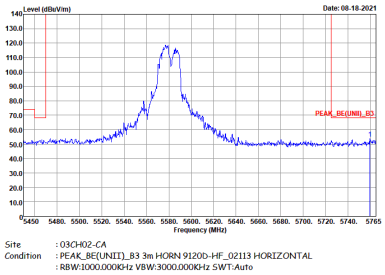
WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+5	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNII)_83 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_01895 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

UNII-3 5470~5725MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH100 5500MHz	
4+5	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH100 5500MHz	
4+5	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH116 5580MHz - L	
4+5	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNII)_83 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNII)_83 3m HORN 9120D-HF_02113 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

WIFI	UNII-3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH116 5580MHz - R	
4+5	Horizontal	Fundamental
Peak		Left blank