FCC RADIO TEST REPORT

FCC ID	**:**	**S9GR560**
Equipment	**:**	**R560 Access Point**
Brand Name	**:**	**RUCKUS**
Model Name	**:**	**R560**
Applicant	**:**	**Ruckus Wireless, Inc. 350 W. Java Dr., Sunnyvale CA 94089 USA**
Manufacturer	**:**	**Ruckus Wireless, Inc. 350 W. Java Dr., Sunnyvale CA 94089 USA**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Jun. 26, 2022 and testing was performed from Jul. 14, 2022 to Sep. 12, 2022. 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 report apply exclusively to the tested model / sample. Without written approval from 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

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FR220302001D	01	Initial issue of report	Sep. 16, 2022
FR220302001D	02	1. Revise section 1.1 2. Revise section 2.2	Oct. 05, 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	0.25 dB under the limit at 5468.080 MHz
3.5	15.207	AC Conducted Emission	Pass	2.36 dB under the limit at 0.605 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. Please refer to the section ” Uncertainty of Evaluation ” for measurement uncertainty.

Comments and Explanations:

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11a/n/ac/ax and Zigbee.

Product Feature	
Antenna Type	**WLAN:** <Ant. 1>: Omni-Directional Antenna <Ant. 2>: Omni-Directional Antenna <Ant. 3>: Omni-Directional Antenna <Ant. 4>: Omni-Directional Antenna **Bluetooth:** Omni-Directional Antenna **Zigbee:** Omni-Directional Antenna

Antenna information			
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Horizontal	**<Ant. 3>:** 2.9
		Vertical	**<Ant. 1>:** 2.9
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Horizontal	**<Ant. 3>:** 2.3
		Vertical	**<Ant. 1>:** 3.3
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Horizontal	**<Ant. 3>:** 2.3
		Vertical	**<Ant. 1>:** 3.3

Remark:

1. The device is a special case of MIMO system with two outputs driving a cross-polarized pair of linearly polarized antennas which are vertically/horizontally mounted on the main board as indicated in equipment photo exhibits.
2. The EUT information mentioned or listed above is declared by manufacturer.

1.1.1 Antenna Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)c)i)

Cross-polarized antennas. For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.

(i) Cross-polarized antennas with NANT = 2. In the case of a transmitter with only two outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

The directional gain “DG” is calculated as following table.

	Vertical Ant 1 (dBi)	Horizontal Ant 3 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.90	2.90	2.90	2.90	0.00	0.00
Band II	3.30	2.30	3.30	3.30	0.00	0.00
Band III	3.30	2.30	3.30	3.30	0.00	0.00

Calculation example:

If a device has two cross-polarized antenna, G_{ANT1}= 3.30dBi; G_{ANT2}=2.30dBi

Directional gain of power measurement = max(3.30, 2.30) = 3.30 dBi

Directional gain of PSD measurement = max(3.30, 2.30) = 3.30 dBi

Power and PSD limit reduction = Directional gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300
Test Site No.	**Sporton Site No.**
	TH01-CA, CO01-CA, 03CH02-CA

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

FCC Designation No.: US1250

1.4 Applicable Standards

According to the specifications declared by 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: All the test items were validated and recorded in accordance with the standards without any modification during the testing.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

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
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Remark:

1. Based on the manufacturer's declaration, 802.11ax covers the 802.11n and 11ac due to the same modulation family scheme. For 802.11ax, only full resource unit assignment mode is tested since the EUT does not support partial resource unit assignment mode.
2. Based on the manufacturer's declaration, RF power on each chain in MIMO mode is parameterized to be greater than the power in SISO mode, giving the condition that the SISO Mode is covered by MIMO Mode which is deemed the worst case selected for testing.

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (2.4GHz) Link + Zigbee Tx + WLAN (5GHz) Link + Lan 1 Link + Lan 2 Link + USB Dongle (Load) + PoE Adapter

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

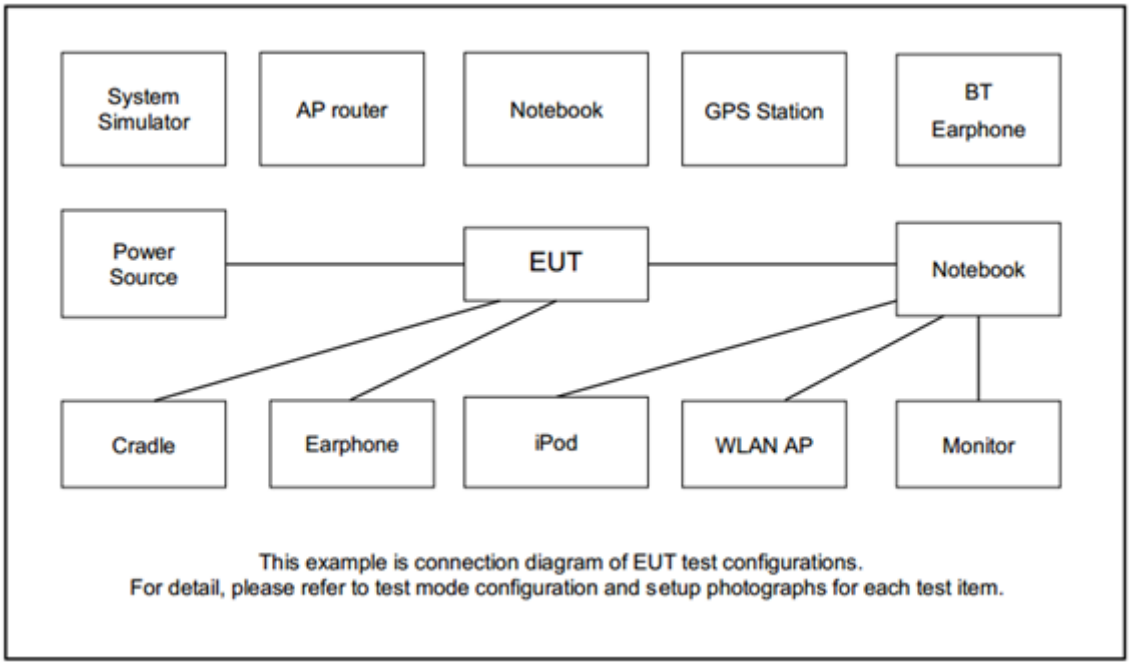
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ac VHT40	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	-
H	High	-	-	122
Straddle		-	-	138

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	PoE Adapter	Ruckus	740-64214-001	NA	NA	Unshielded, 1.8m
2.	USB Flash Drive	SanDisk	SDCZ60-016G	NA	NA	NA
3.	Notebook	Lenovo	20BX001CUS	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Lenovo	21EB0020US	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	Acer	Altos PS548-G1	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “PuTTY Release 0.75” 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.

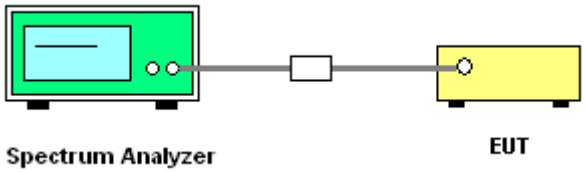
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in 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

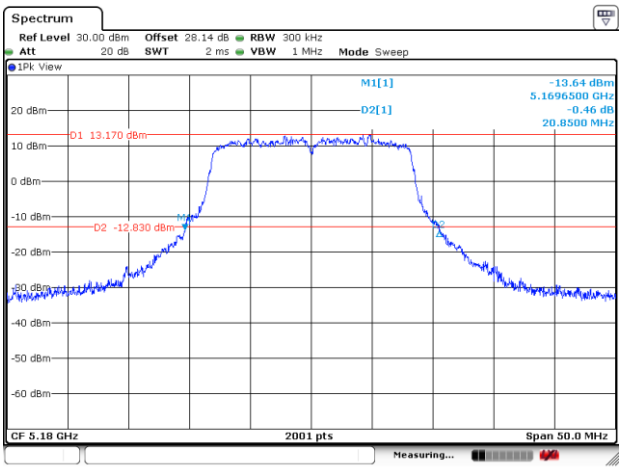
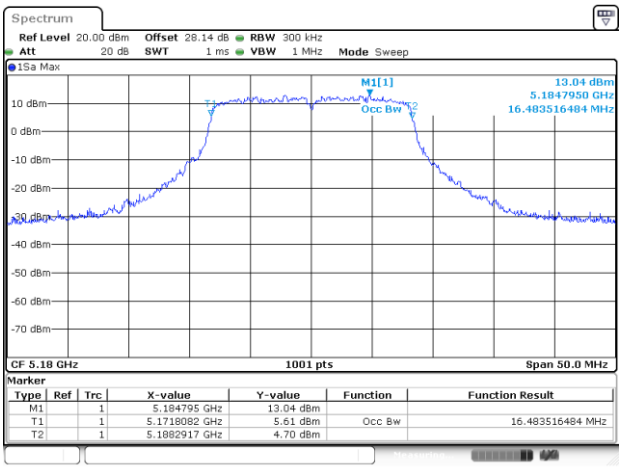


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

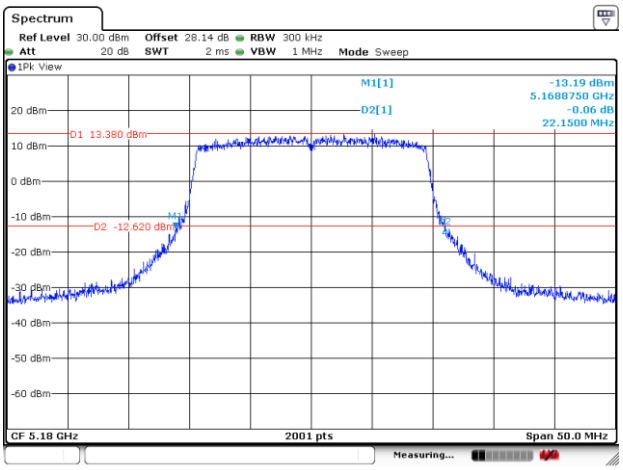
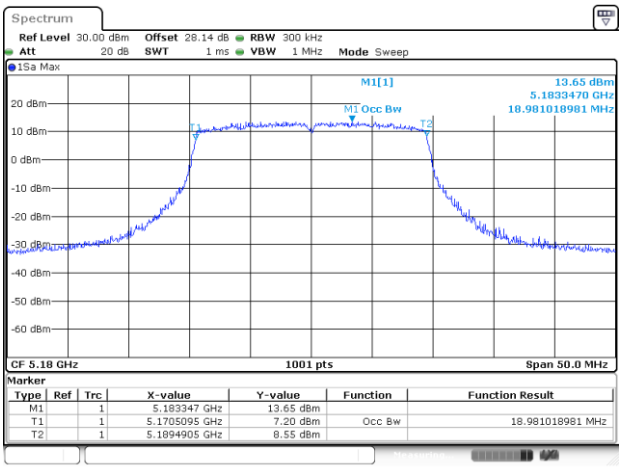
MIMO <Ant. 1 + Ant. 3>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

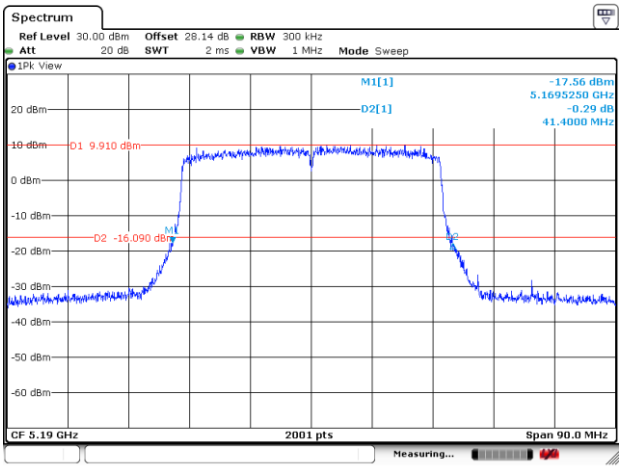
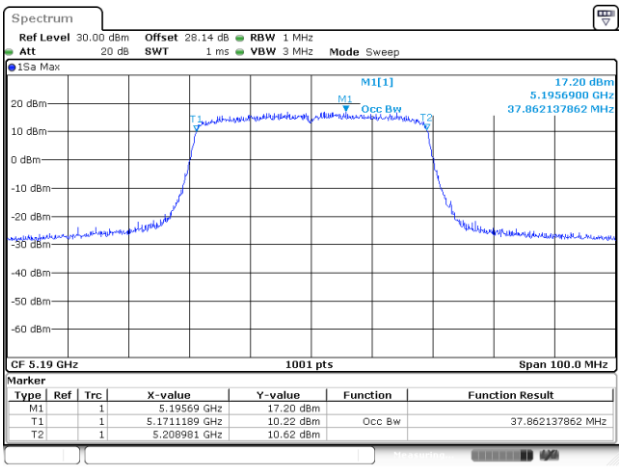
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

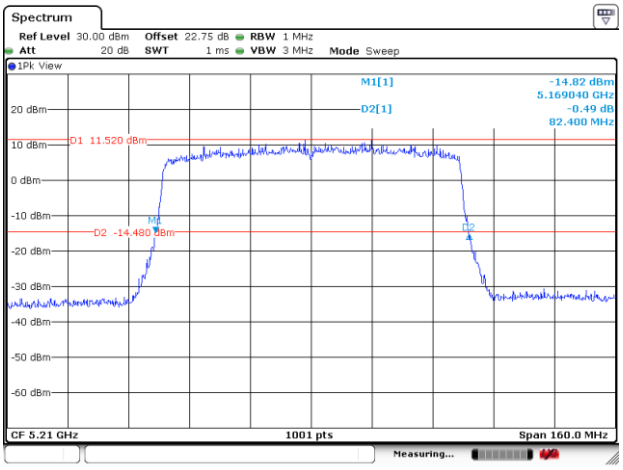
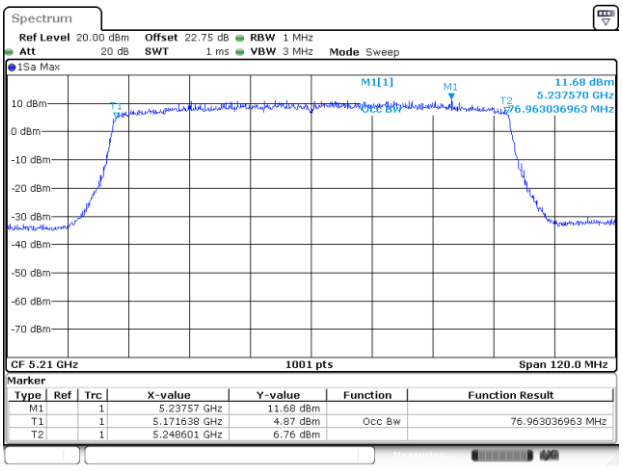
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For 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

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

<CDD Modes>

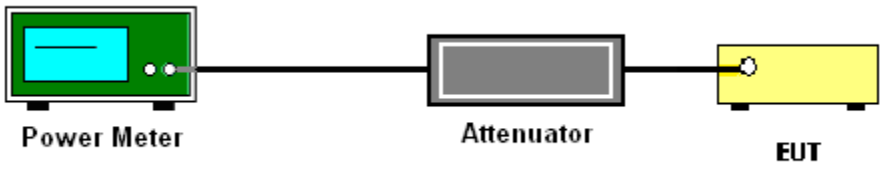
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-2 #

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

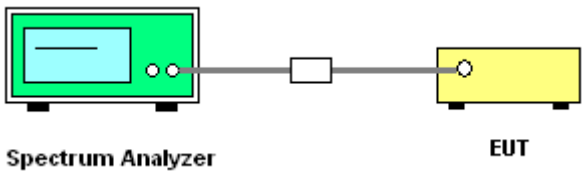
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

1. The RF output of EUT is 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

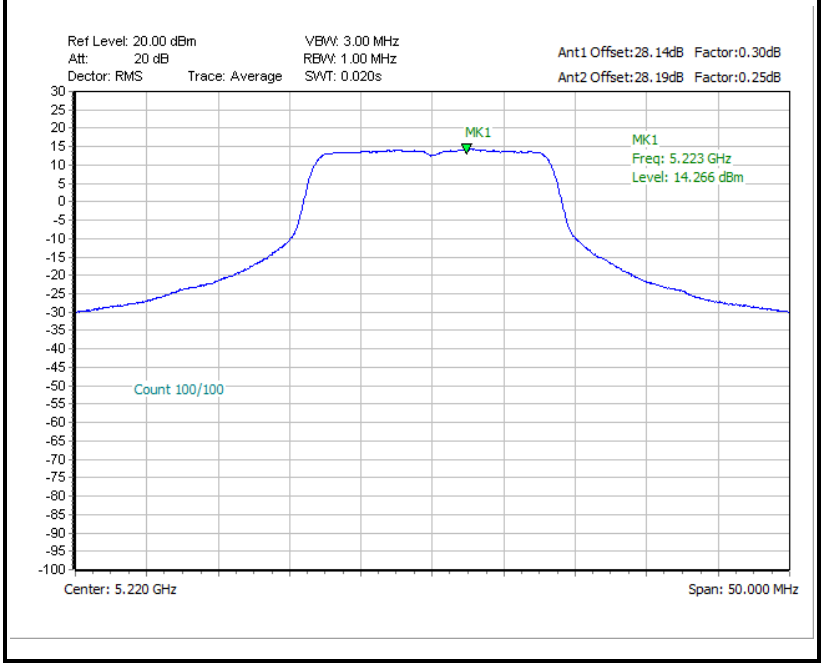


3.3.5 Test Result of Power Spectral Density

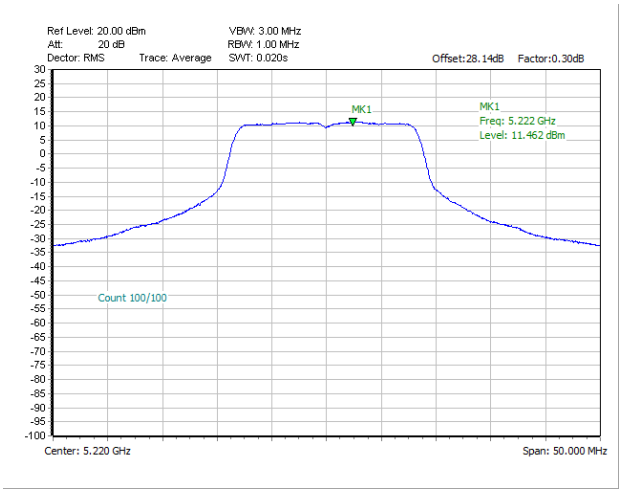
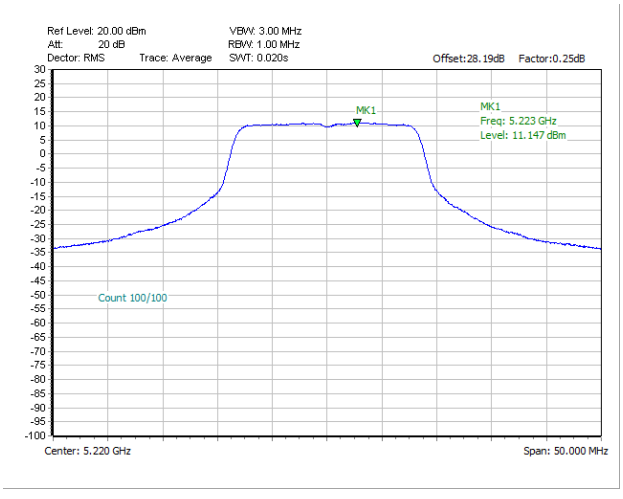
Please refer to Appendix A.

<CDD Modes>

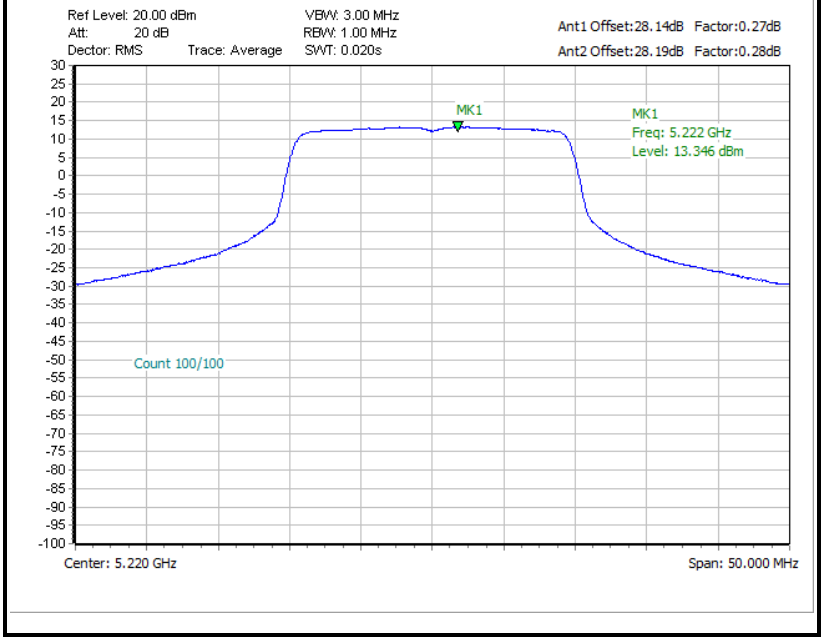
<802.11a>

Maximum Power Density Plot (dBm/MHz)


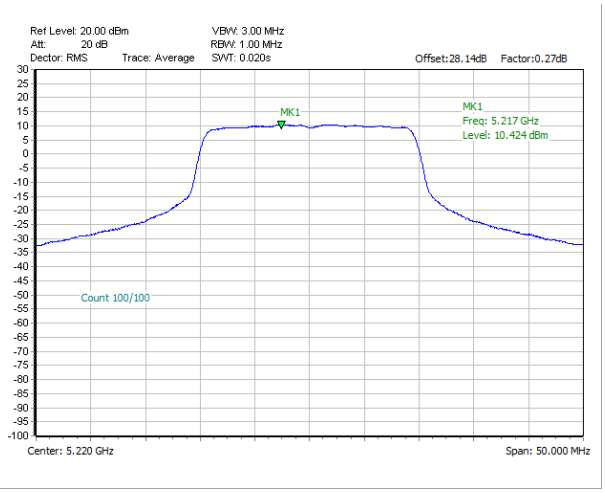
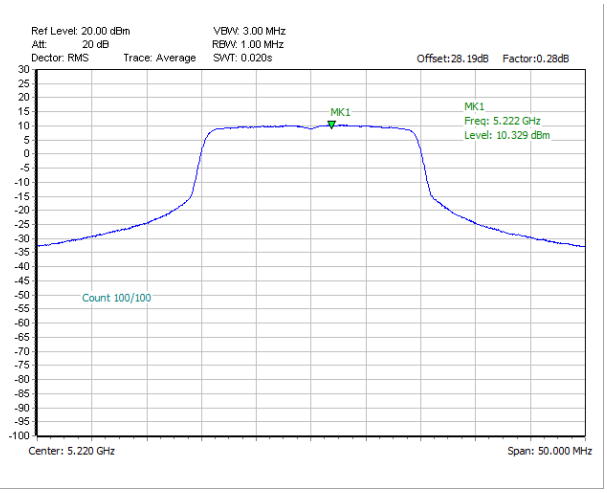
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 3)
	

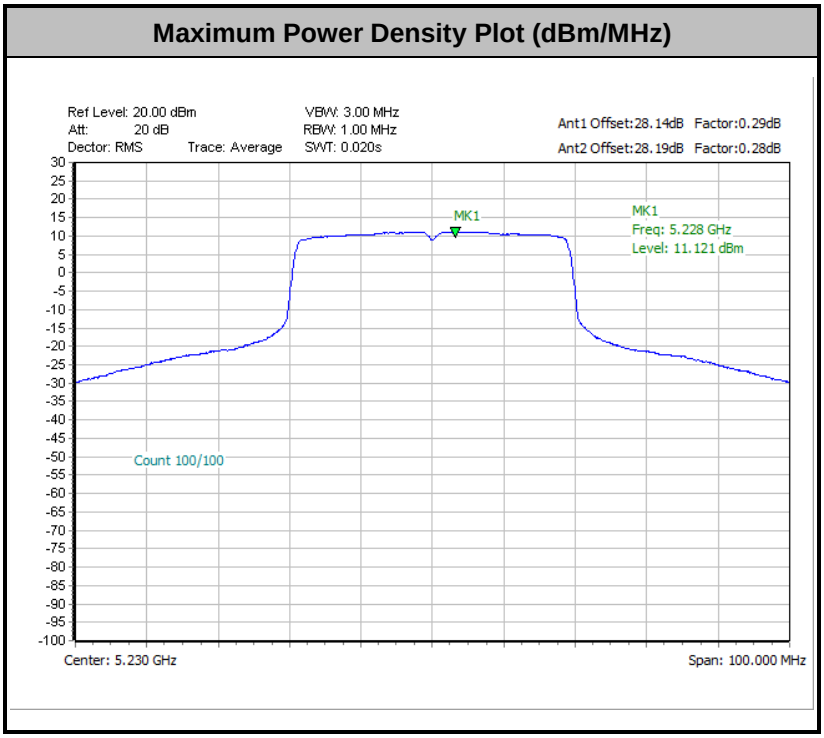
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


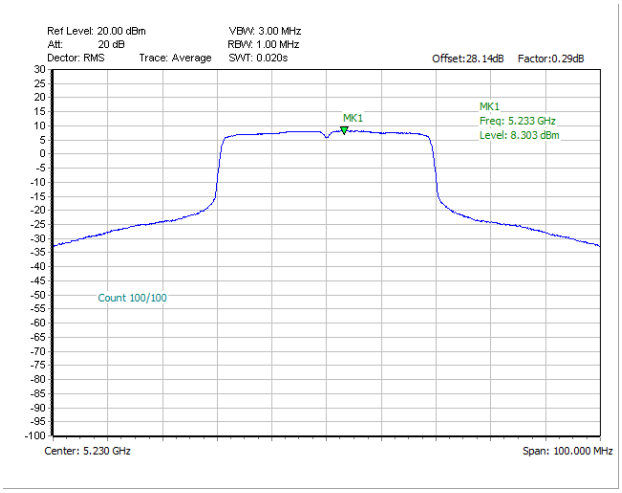
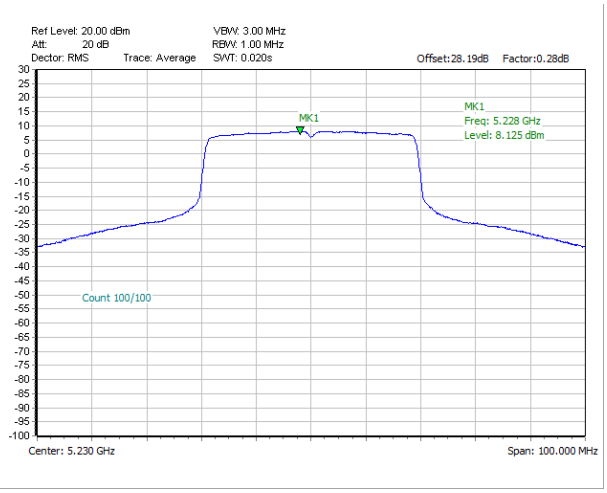
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE40>

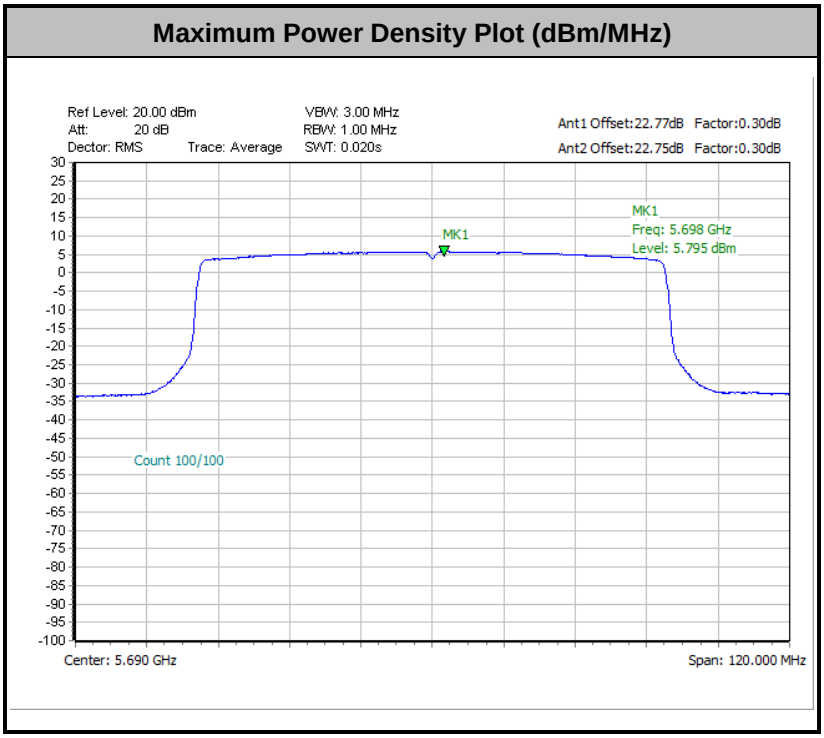
Maximum Power Density Plot (dBm/MHz)


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

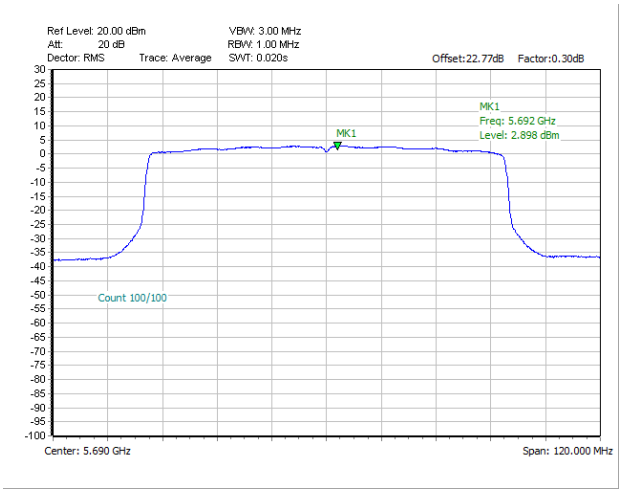
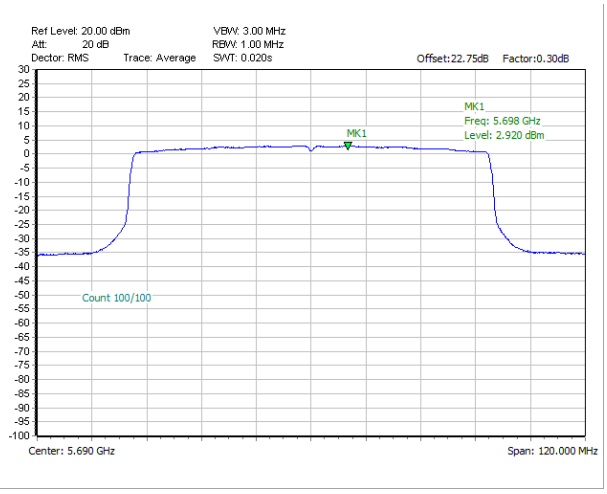
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)



Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 3)
	

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 falls in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

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

Please refer to the measuring equipment list in 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

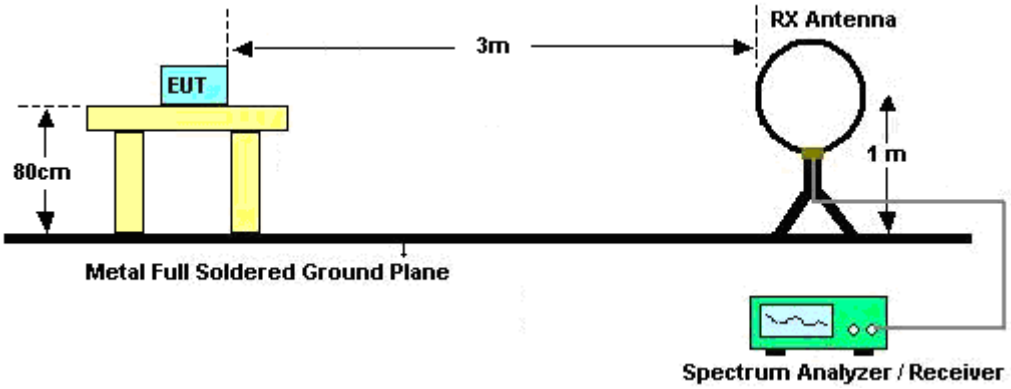
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

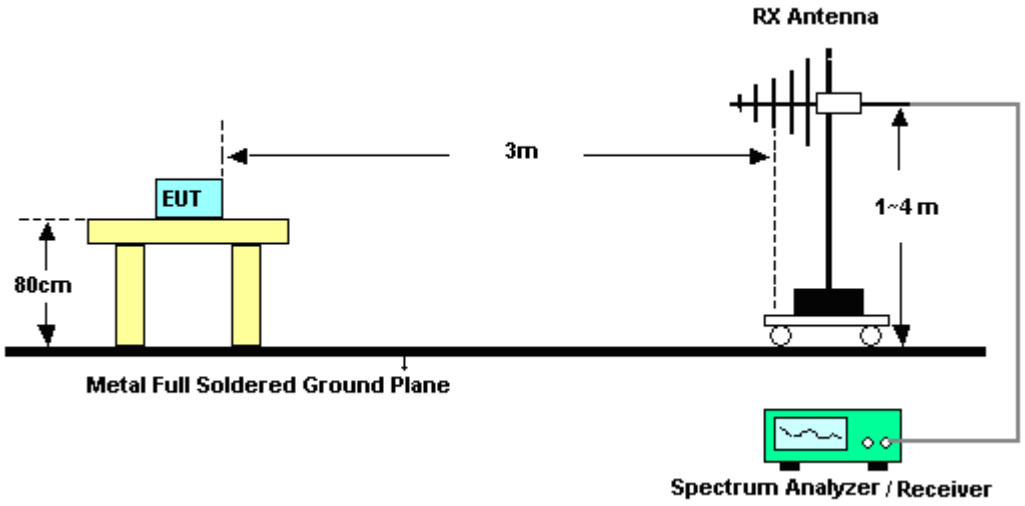
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is 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 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees 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 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

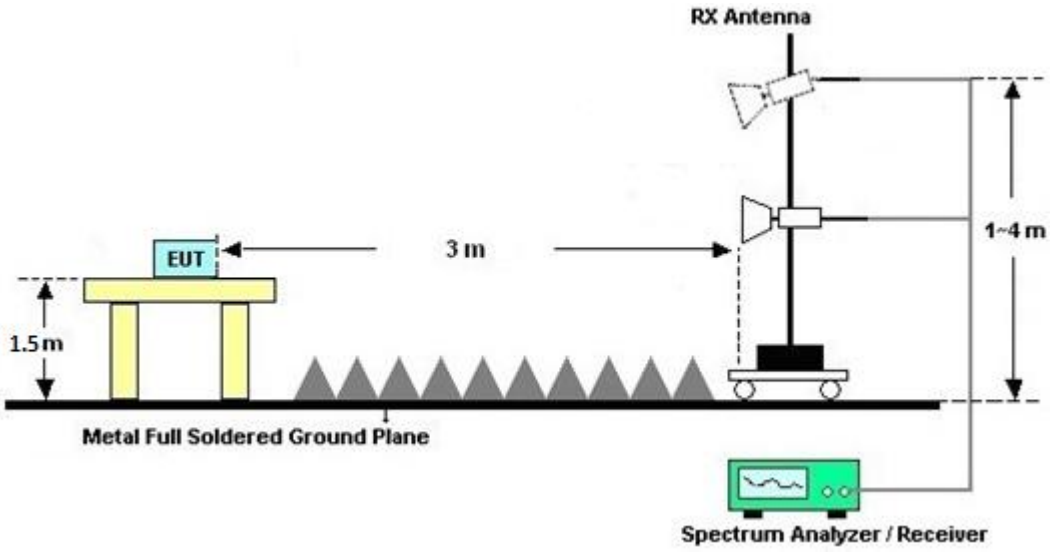
For radiated emissions below 30MHz



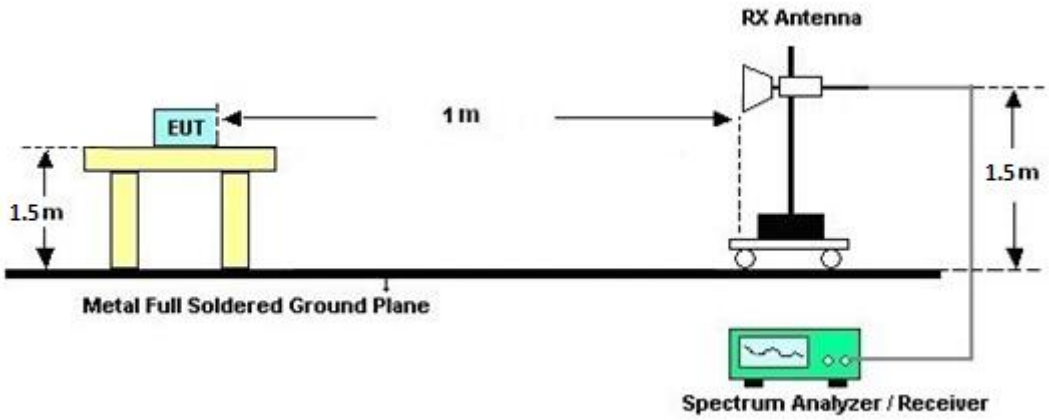
For radiated emissions from 30MHz to 1GHz



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 starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is 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.

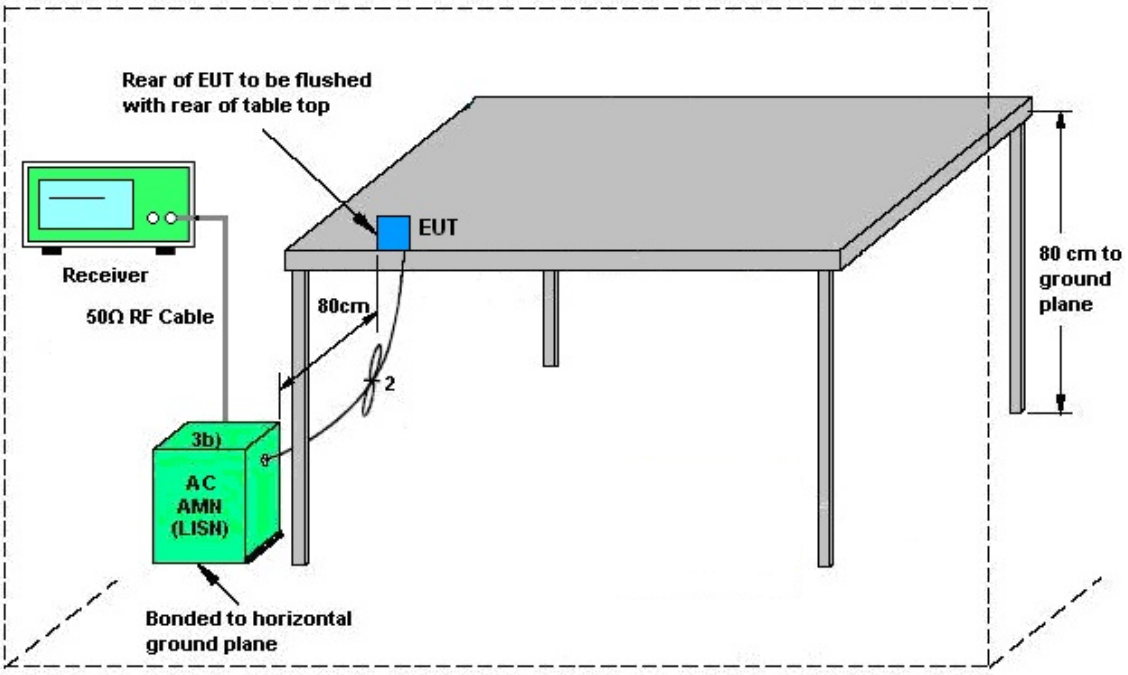
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
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

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47407	N/A	May 10, 2022	Aug. 18, 2022~ Sep. 08, 2022	May 09, 2023	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47415	N/A	May 10, 2022	Aug. 18, 2022~ Sep. 08, 2022	May 09, 2023	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	May 31, 2022	Aug. 18, 2022~ Sep. 08, 2022	May 30, 2023	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F-N00412	N/A	Jul. 05, 2022	Aug. 18, 2022~ Sep. 08, 2022	Jul. 04, 2023	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Aug. 18, 2022~ Sep. 08, 2022	N/A	Conduction (CO01-CA)
Hygrometer	Testo	608-H1	45142595	N/A	Aug. 30. 2021	Jul. 19, 2022~ Aug. 28, 2022	Aug. 29, 2022	Conducted (TH01-CA)
Hygrometer	Testo	608-H1	45142588	N/A	Aug. 16. 2022	Aug. 29, 2022~ Sep. 12, 2022	Aug. 15, 2023	Conducted (TH01-CA)
Power Sensor	DARE!!	RPR3006W	RPR6W-1901 024	10MHz-6GHz	May 10, 2022	Jul. 19, 2022~ Sep. 12, 2022	May 09, 2023	Conducted (TH01-CA)
Switch Box	EM Electronics	EMSW26	1090304	N/A	Mar. 30, 2022	Jul. 19, 2022~ Sep. 12, 2022	Mar. 29, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101545	10Hz-40GHz	May 31, 2022	Jul. 19, 2022~ Sep. 12, 2022	May 30, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Jun. 01, 2022	Jul. 19, 2022~ Sep. 12, 2022	May 31, 2023	Conducted (TH01-CA)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100840	9kHz~30MHz	Jul. 05, 2022	Jul. 14, 2022~ Sep. 09, 2022	Jul. 04, 2023	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	50392	30MHz~1GHz	Jul. 11, 2022	Jul. 14, 2022~ Sep. 09, 2022	Jul. 10, 2023	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	01895	1GHz~18GHz	Aug. 25, 2021	Jul. 14, 2022~ Aug. 23, 2022	Aug. 24, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02113	1GHz~18GHz	Jun. 22, 2022	Aug. 24, 2022~ Sep. 09, 2022	Jun. 21, 2023	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00841	18GHz~40GHz	Aug. 26 2021	Jul. 14, 2022~ Aug. 24, 2022	Aug. 25 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBECK	BBHA 9170D	00842	18GHz~40GHz	Aug. 16 2022	Aug. 25, 2022~ Sep. 09, 2022	Aug. 15 2023	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	May 10, 2022	Jul. 14, 2022~ Sep. 09, 2022	May 09, 2023	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	May 11, 2022	Jul. 14, 2022~ Sep. 09, 2022	May 10, 2023	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G-56-01-A70	EC1900251	1GHz~18GHz	May 10, 2022	Jul. 14, 2022~ Sep. 09, 2022	May 09, 2023	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060726	18GHz-40GHz	Feb. 10, 2022	Jul. 14, 2022~ Sep. 09, 2022	Feb. 09, 2023	Radiation (03CH02-CA)
RF Cable	HUBER+SUHNER	SUCOFLEX 102	8024032/2, 802406/2, 802875/2	N/A	Jun. 22, 2022	Jul. 14, 2022~ Sep. 09, 2022	Jun. 21, 2023	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY57420221	10Hz~44GHz	Sep. 22, 2021	Jul. 14, 2022~ Sep. 09, 2022	Sep. 21, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN8	6.75GHz High Pass Filter	Jul. 22, 2021	Jul. 14, 2022~ Jul. 20, 2022	Jul. 21, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN8	6.75GHz High Pass Filter	Jul. 21, 2022	Jul. 21, 2022~ Sep. 09, 2022	Jul. 20, 2023	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2GHz Low Pass Filter	Jul. 22, 2021	Jul. 14, 2022~ Jul. 20, 2022	Jul. 21, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-1272-11000-40SS	SN1	1.2GHz Low Pass Filter	Jul. 21, 2022	Jul. 21, 2022~ Sep. 09, 2022	Jul. 20, 2023	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 30, 2021	Jul. 14, 2022~ Aug. 15, 2022	Aug. 29, 2022	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142601	N/A	Jul. 27, 2022	Aug. 16, 2022~ Sep. 09, 2022	Jul. 26, 2023	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Jul. 14, 2022~ Sep. 09, 2022	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 14, 2022~ Sep. 09, 2022	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 14, 2022~ Sep. 09, 2022	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Jul. 14, 2022~ Sep. 09, 2022	N/A	Radiation (03CH02-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:	Liliana Gonzalez	Temperature:	21~25	°C
Test Date:	2022/07/18 ~2022/09/12	Relative Humidity:	48.2~54.2	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	36	5180	16.48	16.48	20.85	20.80	22.17			
11a	6Mbps	2	44	5220	16.63	16.53	21.90	21.25	22.18			
11a	6Mbps	2	48	5240	16.53	16.53	21.18	21.23	22.18			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	36	5180	20.97	20.37	23.69	30.00		2.90			Pass
11a	6Mbps	2	44	5220	22.61	22.33	25.48	30.00		2.90			Pass
11a	6Mbps	2	48	5240	22.33	22.32	25.34	30.00		2.90			Pass
HT20	MCS0	2	36	5180	20.29	19.77	23.05	30.00		2.90			Pass
HT20	MCS0	2	44	5220	22.24	21.98	25.12	30.00		2.90			Pass
HT20	MCS0	2	48	5240	21.97	21.97	24.98	30.00		2.90			Pass
HT40	MCS0	2	38	5190	19.94	19.28	22.63	30.00		2.90			Pass
HT40	MCS0	2	46	5230	22.96	22.75	25.87	30.00		2.90			Pass
VHT20	MCS0	2	36	5180	20.24	19.69	22.98	30.00		2.90			Pass
VHT20	MCS0	2	44	5220	22.23	21.96	25.11	30.00		2.90			Pass
VHT20	MCS0	2	48	5240	21.88	21.81	24.86	30.00		2.90			Pass
VHT40	MCS0	2	38	5190	19.94	19.26	22.62	30.00		2.90			Pass
VHT40	MCS0	2	46	5230	22.95	22.77	25.87	30.00		2.90			Pass
VHT80	MCS0	2	42	5210	17.32	17.33	20.34	30.00		2.90			Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	36	5180	0.30	0.25			12.43	17.00		2.90			Pass
11a	6Mbps	2	44	5220	0.30	0.25			14.27	17.00		2.90			Pass
11a	6Mbps	2	48	5240	0.30	0.25			13.95	17.00		2.90			Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
26dB and 99% OBW

Band II 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 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	
11a	6Mbps	2	52	5260	16.43	16.48	20.58	20.75	23.16		29.16		23.98		
11a	6Mbps	2	60	5300	16.43	16.43	20.58	20.73	23.16		29.16		23.98		
11a	6Mbps	2	64	5320	16.43	16.43	20.60	20.70	23.16		29.16		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II 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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	52	5260	18.94	19.10	22.03	23.98		3.30		30	Pass
11a	6Mbps	2	60	5300	18.62	19.25	21.96	23.98		3.30		30	Pass
11a	6Mbps	2	64	5320	18.70	19.83	22.31	23.98		3.30		30	Pass
HT20	MCS0	2	52	5260	19.45	19.62	22.55	23.98		3.30		30	Pass
HT20	MCS0	2	60	5300	19.48	20.07	22.80	23.98		3.30		30	Pass
HT20	MCS0	2	64	5320	19.00	19.99	22.53	23.98		3.30		30	Pass
HT40	MCS0	2	54	5270	20.35	20.50	23.44	23.98		3.30		30	Pass
HT40	MCS0	2	62	5310	18.83	18.99	21.92	23.98		3.30		30	Pass
VHT20	MCS0	2	52	5260	19.43	19.59	22.52	23.98		3.30		30	Pass
VHT20	MCS0	2	60	5300	19.30	19.93	22.64	23.98		3.30		30	Pass
VHT20	MCS0	2	64	5320	18.94	19.95	22.48	23.98		3.30		30	Pass
VHT40	MCS0	2	54	5270	20.32	20.50	23.42	23.98		3.30		30	Pass
VHT40	MCS0	2	62	5310	18.81	18.99	21.91	23.98		3.30		30	Pass
VHT80	MCS0	2	58	5290	16.98	16.96	19.98	23.98		3.30		30	Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	52	5260	0.30	0.25			10.45	11.00		3.30			Pass
11a	6Mbps	2	60	5300	0.30	0.25			10.50	11.00		3.30			Pass
11a	6Mbps	2	64	5320	0.30	0.25			10.85	11.00		3.30			Pass

Note : The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
26dB and 99% OBW

Band III 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 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	100	5500	16.48	16.43	20.63	20.70	23.16		29.16		23.98			
11a	6Mbps	2	116	5580	16.48	16.43	20.58	20.70	23.16		29.16		23.98			
11a	6Mbps	2	140	5700	16.48	16.48	20.55	20.75	23.17		29.17		23.98			

Band III 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 for Straddle Channel (MHz)	
					Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3
11a	6Mbps	2	144	5720	13.24	13.19	15.30	15.23	22.20		28.20		22.83		2.90	3.17

TEST RESULTS DATA
Average Power Table

FCC Band III 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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	100	5500	19.64	19.09	22.38	23.98		3.30		30	Pass
11a	6Mbps	2	116	5580	19.98	19.47	22.74	23.98		3.30		30	Pass
11a	6Mbps	2	140	5700	19.29	19.78	22.55	23.98		3.30		30	Pass
HT20	MCS0	2	100	5500	19.91	19.23	22.59	23.98		3.30		30	Pass
HT20	MCS0	2	116	5580	20.13	20.24	23.20	23.98		3.30		30	Pass
HT20	MCS0	2	140	5700	19.38	19.59	22.50	23.98		3.30		30	Pass
HT40	MCS0	2	102	5510	21.12	20.23	23.71	23.98		3.30		30	Pass
HT40	MCS0	2	110	5550	20.75	20.06	23.43	23.98		3.30		30	Pass
HT40	MCS0	2	134	5670	21.32	19.59	23.55	23.98		3.30		30	Pass
VHT20	MCS0	2	100	5500	19.63	19.40	22.53	23.98		3.30		30	Pass
VHT20	MCS0	2	116	5580	20.40	20.06	23.24	23.98		3.30		30	Pass
VHT20	MCS0	2	140	5700	19.53	19.47	22.51	23.98		3.30		30	Pass
VHT40	MCS0	2	102	5510	21.08	20.25	23.70	23.98		3.30		30	Pass
VHT40	MCS0	2	110	5550	20.75	20.09	23.44	23.98		3.30		30	Pass
VHT40	MCS0	2	134	5670	21.32	19.56	23.54	23.98		3.30		30	Pass
VHT80	MCS0	2	106	5530	19.17	18.85	22.02	23.98		3.30		30	Pass
VHT80	MCS0	2	122	5610	18.83	18.52	21.69	23.98		3.30		30	Pass

Note 1: The device has 2 antennas, each one has polarization which is orthogonal to the other.

FCC Band III 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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	144	5720	19.35	19.60	22.49	22.83		3.30		30	Pass
HT20	MCS0	2	144	5720	19.55	19.25	22.41	23.01		3.30		30	Pass
HT40	MCS0	2	142	5710	20.44	20.45	23.46	23.98		3.30		30	Pass
VHT20	MCS0	2	144	5720	19.28	19.32	22.31	23.01		3.30		30	Pass
VHT40	MCS0	2	142	5710	20.48	20.44	23.47	23.98		3.30		30	Pass
VHT80	MCS0	2	138	5690	20.59	20.87	23.74	23.98		3.30		30	Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band III MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	100	5500	0.30	0.25			10.57	11.00		3.30			Pass
11a	6Mbps	2	116	5580	0.30	0.25			10.92	11.00		3.30			Pass
11a	6Mbps	2	140	5700	0.30	0.25			10.62	11.00		3.30			Pass

Band III straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
11a	6Mbps	2	144	5720	0.30	0.25			10.66	11.00		3.30			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	36	5180	Full	18.98	18.98	22.15	21.90	22.78			
HE20	MCS0	2	44	5220	Full	19.03	18.98	22.90	22.45	22.78			
HE20	MCS0	2	48	5240	Full	18.98	18.98	22.13	23.23	22.78			
HE40	MCS0	2	38	5190	Full	37.86	37.86	41.40	40.46	23.01			
HE40	MCS0	2	46	5230	Full	38.06	38.06	43.47	43.61	23.01			
HE80	MCS0	2	42	5210	Full	76.96	76.96	82.40	82.72	23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3	
HE20	MCS0	2	36	5180	Full	20.39	19.88	23.15	30.00		2.90		Pass
HE20	MCS0	2	44	5220	Full	22.47	22.20	25.35	30.00		2.90		Pass
HE20	MCS0	2	48	5240	Full	22.13	22.06	25.11	30.00		2.90		Pass
HE40	MCS0	2	38	5190	Full	19.98	19.27	22.65	30.00		2.90		Pass
HE40	MCS0	2	46	5230	Full	22.97	22.80	25.90	30.00		2.90		Pass
HE80	MCS0	2	42	5210	Full	17.33	17.39	20.37	30.00		2.90		Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	36	5180	Full	0.27	0.28			11.17	17.00		2.90			Pass
HE20	MCS0	2	44	5220	Full	0.27	0.28			13.35	17.00		2.90			Pass
HE20	MCS0	2	48	5240	Full	0.27	0.28			13.10	17.00		2.90			Pass
HE40	MCS0	2	38	5190	Full	0.29	0.28			7.92	17.00		2.90			Pass
HE40	MCS0	2	46	5230	Full	0.29	0.28			11.12	17.00		2.90			Pass
HE80	MCS0	2	42	5210	Full	0.30	0.30			2.80	17.00		2.90			Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
26dB and 99% OBW

Band II 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 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	
HE20	MCS0	2	52	5260	Full	18.93	18.93	21.73	21.78	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.98	18.88	22.20	21.73	23.76		29.76		23.98		
HE20	MCS0	2	64	5320	Full	18.88	18.88	21.33	22.15	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	37.86	37.86	40.77	40.68	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.86	37.86	41.04	40.82	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	76.96	77.08	83.04	83.04	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II 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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	52	5260	Full	19.60	19.79	22.71	23.98		3.30		30	Pass
HE20	MCS0	2	60	5300	Full	19.70	20.25	22.99	23.98		3.30		30	Pass
HE20	MCS0	2	64	5320	Full	19.13	20.08	22.64	23.98		3.30		30	Pass
HE40	MCS0	2	54	5270	Full	20.51	20.72	23.63	23.98		3.30		30	Pass
HE40	MCS0	2	62	5310	Full	18.84	19.01	21.94	23.98		3.30		30	Pass
HE80	MCS0	2	58	5290	Full	17.07	16.97	20.03	23.98		3.30		30	Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band II MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	52	5260	Full	0.27	0.28			10.71	11.00		3.30			Pass
HE20	MCS0	2	60	5300	Full	0.27	0.28			10.89	11.00		3.30			Pass
HE20	MCS0	2	64	5320	Full	0.27	0.28			10.53	11.00		3.30			Pass
HE40	MCS0	2	54	5270	Full	0.29	0.28			8.79	11.00		3.30			Pass
HE40	MCS0	2	62	5310	Full	0.29	0.28			6.98	11.00		3.30			Pass
HE80	MCS0	2	58	5290	Full	0.30	0.30			2.23	11.00		3.30			Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
26dB and 99% OBW

Band III 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 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	100	5500	Full	18.98	18.93	21.85	21.90	23.77		29.77		23.98			
HE20	MCS0	2	116	5580	Full	18.98	18.93	22.05	21.83	23.77		29.77		23.98			
HE20	MCS0	2	140	5700	Full	18.98	18.88	21.88	21.58	23.76		29.76		23.98			
HE40	MCS0	2	102	5510	Full	37.96	37.86	41.00	41.04	23.98		30.00		23.98			
HE40	MCS0	2	110	5550	Full	37.86	37.86	40.91	40.37	23.98		30.00		23.98			
HE40	MCS0	2	134	5670	Full	37.96	37.86	41.04	41.09	23.98		30.00		23.98			
HE80	MCS0	2	106	5530	Full	77.08	77.08	83.20	82.31	23.98		30.00		23.98			
HE80	MCS0	2	122	5610	Full	76.96	76.96	82.40	82.40	23.98		30.00		23.98			

Band III 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 for Straddle Channel (MHz)	
						Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3	Ant 1	Ant 3
HE20	MCS0	2	144	5720	Full	14.44	14.44	15.93	15.88	22.60		28.60		23.01		4.35	4.125
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.61	35.70	23.98		30.00		23.98		4.08	4.08
HE80	MCS0	2	138	5690	Full	73.48	73.60	76.28	77.24	23.98		30.00		23.98		3.88	3.719

TEST RESULTS DATA
Average Power Table

FCC Band III 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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	100	5500	Full	20.11	19.35	22.76	23.98		3.30		30	Pass
HE20	MCS0	2	116	5580	Full	20.33	20.40	23.38	23.98		3.30		30	Pass
HE20	MCS0	2	140	5700	Full	19.42	19.74	22.59	23.98		3.30		30	Pass
HE40	MCS0	2	102	5510	Full	21.18	20.21	23.73	23.98		3.30		30	Pass
HE40	MCS0	2	110	5550	Full	20.76	20.12	23.46	23.98		3.30		30	Pass
HE40	MCS0	2	134	5670	Full	21.32	19.61	23.56	23.98		3.30		30	Pass
HE80	MCS0	2	106	5530	Full	19.16	18.92	22.05	23.98		3.30		30	Pass
HE80	MCS0	2	122	5610	Full	18.79	18.70	21.76	23.98		3.30		30	Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

FCC Band III 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 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	144	5720	Full	19.48	19.52	22.51	23.01		3.30		30	Pass
HE40	MCS0	2	142	5710	Full	20.45	20.51	23.49	23.98		3.30		30	Pass
HE80	MCS0	2	138	5690	Full	20.63	20.91	23.78	23.98		3.30		30	Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

TEST RESULTS DATA
Power Spectral Density

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	100	5500	Full	0.27	0.28			10.45	11.00		3.30			Pass
HE20	MCS0	2	116	5580	Full	0.27	0.28			10.95	11.00		3.30			Pass
HE20	MCS0	2	140	5700	Full	0.27	0.28			10.23	11.00		3.30			Pass
HE40	MCS0	2	102	5510	Full	0.29	0.28			8.67	11.00		3.30			Pass
HE40	MCS0	2	110	5550	Full	0.29	0.28			8.32	11.00		3.30			Pass
HE40	MCS0	2	134	5670	Full	0.29	0.28			8.08	11.00		3.30			Pass
HE80	MCS0	2	106	5530	Full	0.30	0.30			4.27	11.00		3.30			Pass
HE80	MCS0	2	122	5610	Full	0.30	0.30			3.83	11.00		3.30			Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 3	Ant 1	Ant 3	SUM	Ant 1	Ant 3	Ant 1	Ant 3		
HE20	MCS0	2	144	5720	Full	0.27	0.28			10.27	11.00		3.30			Pass
HE40	MCS0	2	142	5710	Full	0.29	0.28			8.39	11.00		3.30			Pass
HE80	MCS0	2	138	5690	Full	0.30	0.30			5.80	11.00		3.30			Pass

Note: The device has 2 antennas, each one has polarization which is orthogonal to the other.

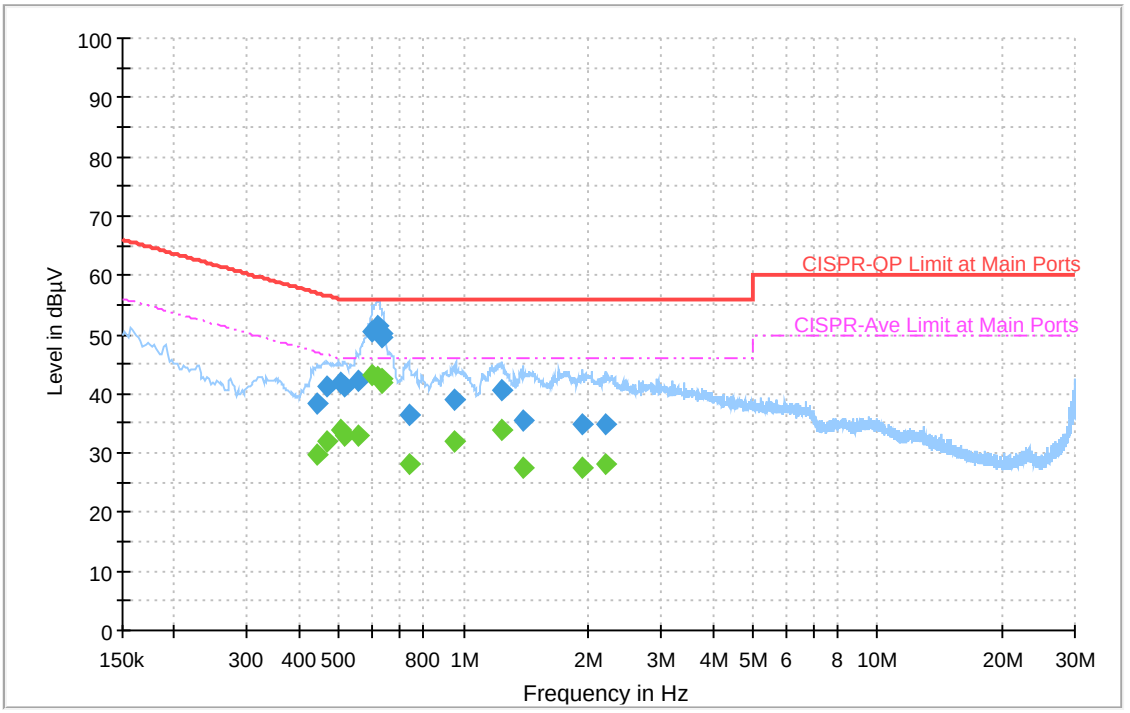
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Venkata Kondepud and Leo Liu	**Temperature :**	23~25℃
		Relative Humidity :	43~47%

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Mode:	1
Project	220302001

Full Spectrum



Final_Result

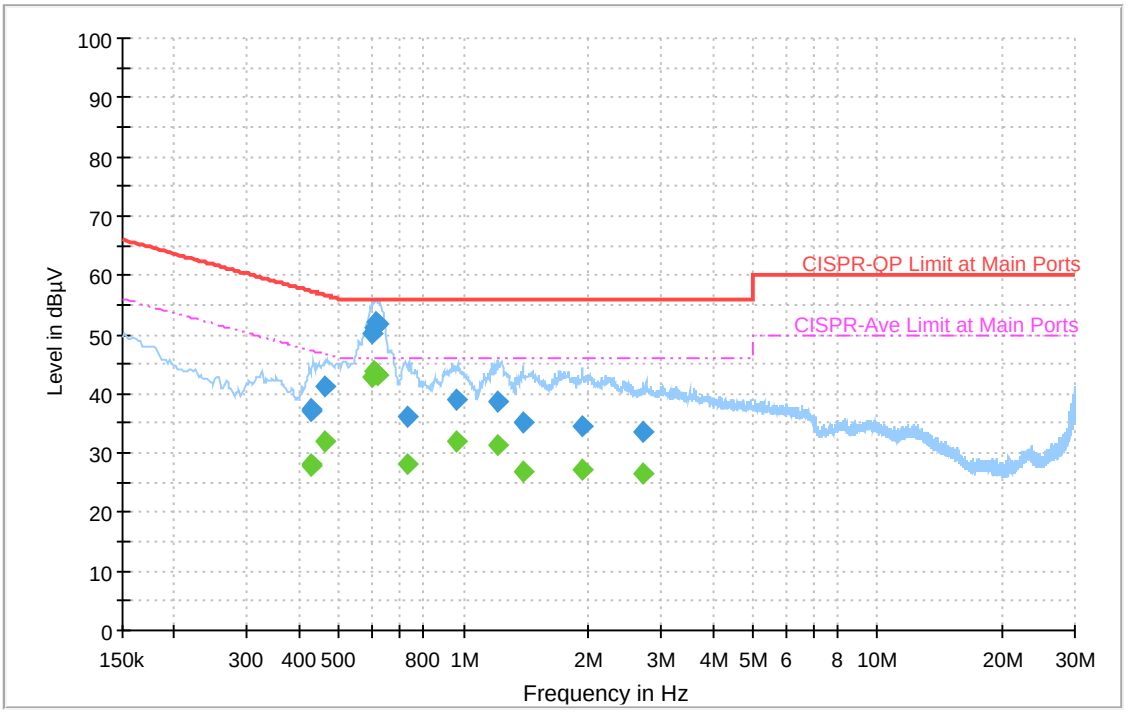
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.440475	38.49	---	57.05	18.56	L1	OFF	20.3
0.440475	---	29.79	47.05	17.26	L1	OFF	20.3
0.468105	41.06	---	56.55	15.49	L1	OFF	20.3
0.468105	---	31.82	46.55	14.73	L1	OFF	20.3
0.504096	41.79	---	56.00	14.21	L1	OFF	20.3
0.504096	---	33.94	46.00	12.06	L1	OFF	20.3
0.517623	41.28	---	56.00	14.72	L1	OFF	20.3
0.517623	---	32.81	46.00	13.19	L1	OFF	20.3
0.555900	42.06	---	56.00	13.94	L1	OFF	20.3
0.555900	---	32.93	46.00	13.07	L1	OFF	20.3
0.602340	50.43	---	56.00	5.57	L1	OFF	20.3
0.602340	---	43.04	46.00	2.96	L1	OFF	20.3
0.618198	51.56	---	56.00	4.44	L1	OFF	20.3
0.618198	---	42.92	46.00	3.08	L1	OFF	20.3
0.631887	50.13	---	56.00	5.87	L1	OFF	20.3
0.631887	---	42.43	46.00	3.57	L1	OFF	20.3
0.634146	49.63	---	56.00	6.37	L1	OFF	20.3
0.634146	---	41.97	46.00	4.03	L1	OFF	20.3
0.738537	36.35	---	56.00	19.65	L1	OFF	20.3
0.738537	---	28.06	46.00	17.94	L1	OFF	20.3
0.955284	38.89	---	56.00	17.11	L1	OFF	20.3

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.955284	---	31.84	46.00	14.16	L1	OFF	20.3
1.233069	40.44	---	56.00	15.56	L1	OFF	20.3
1.233069	---	33.76	46.00	12.24	L1	OFF	20.3
1.385637	35.35	---	56.00	20.65	L1	OFF	20.3
1.385637	---	27.37	46.00	18.63	L1	OFF	20.3
1.924134	34.89	---	56.00	21.11	L1	OFF	20.3
1.924134	---	27.57	46.00	18.43	L1	OFF	20.3
2.193000	34.97	---	56.00	21.03	L1	OFF	20.3
2.193000	---	28.00	46.00	18.00	L1	OFF	20.3

EUT Information

Site:	CO01-CA
Power:	120Vac/60Hz
Mode:	1
Project	220302001

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.428523	---	28.06	47.28	19.22	N	OFF	20.3
0.428523	37.00	---	57.28	20.28	N	OFF	20.3
0.429396	---	27.87	47.26	19.39	N	OFF	20.3
0.429396	37.35	---	57.26	19.91	N	OFF	20.3
0.464388	---	32.07	46.61	14.54	N	OFF	20.3
0.464388	41.23	---	56.61	15.38	N	OFF	20.3
0.597489	---	42.95	46.00	3.05	N	OFF	20.3
0.597489	50.22	---	56.00	5.78	N	OFF	20.3
0.604590	---	43.64	46.00	2.36	N	OFF	20.3
0.604590	51.23	---	56.00	4.77	N	OFF	20.3
0.613986	---	43.42	46.00	2.58	N	OFF	20.3
0.613986	52.10	---	56.00	3.90	N	OFF	20.3
0.622581	---	43.06	46.00	2.94	N	OFF	20.3
0.622581	51.74	---	56.00	4.26	N	OFF	20.3
0.734325	---	28.21	46.00	17.79	N	OFF	20.3
0.734325	36.25	---	56.00	19.75	N	OFF	20.3
0.963699	---	32.09	46.00	13.91	N	OFF	20.3
0.963699	38.93	---	56.00	17.07	N	OFF	20.3
1.204926	---	31.21	46.00	14.79	N	OFF	20.3
1.204926	38.76	---	56.00	17.24	N	OFF	20.3
1.388652	---	26.99	46.00	19.01	N	OFF	20.3

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
1.388652	35.09	---	56.00	20.91	N	OFF	20.3
1.931433	---	27.07	46.00	18.93	N	OFF	20.3
1.931433	34.40	---	56.00	21.60	N	OFF	20.3
2.714397	---	26.58	46.00	19.42	N	OFF	20.3
2.714397	33.53	---	56.00	22.47	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Fu Chen	Temperature :	20~25°C
		Relative Humidity :	41~48%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.94	57.2	-16.8	74	44.38	32.04	11.13	30.35	285	305	P	H
		5147.94	48.82	-5.18	54	36	32.04	11.13	30.35	285	305	A	H
	*	5180	115.68	-	-	102.99	31.88	11.17	30.36	285	305	P	H
	*	5180	107.31	-	-	94.62	31.88	11.17	30.36	285	305	A	H
													H
													H
		5146.38	58.98	-15.02	74	46.19	32.02	11.12	30.35	100	60	P	V
		5148.72	51.18	-2.82	54	38.38	32.02	11.13	30.35	100	60	A	V
	*	5180	116.99	-	-	104.3	31.88	11.17	30.36	100	60	P	V
	*	5180	108.91	-	-	96.22	31.88	11.17	30.36	100	60	A	V
													V
													V
802.11a CH 44 5220MHz		5145.86	52.86	-21.14	74	40.05	32.04	11.12	30.35	280	305	P	H
		5142.74	44.39	-9.61	54	31.57	32.05	11.12	30.35	280	305	A	H
	*	5220	118.53	-	-	105.97	31.69	11.22	30.35	280	305	P	H
	*	5220	110.4	-	-	97.84	31.69	11.22	30.35	280	305	A	H
		5389.16	53.35	-20.65	74	40.61	31.69	11.4	30.35	280	305	P	H
		5410.44	44.7	-9.3	54	31.89	31.74	11.42	30.35	280	305	A	H
		5114.4	53.08	-20.92	74	40.34	32.02	11.08	30.36	100	59	P	V
		5146.9	45.07	-8.93	54	32.27	32.02	11.13	30.35	100	59	A	V
	*	5220	117.53	-	-	104.94	31.72	11.22	30.35	100	59	P	V
	*	5220	109.98	-	-	97.39	31.72	11.22	30.35	100	59	A	V
		5416.04	54.12	-19.88	74	41.34	31.71	11.42	30.35	100	59	P	V
		5409.04	44.45	-9.55	54	31.69	31.69	11.42	30.35	100	59	A	V

802.11a CH 48 5240MHz		5148.46	53.42	-20.58	74	40.6	32.04	11.13	30.35	256	305	P	H
		5134.68	44.32	-9.68	54	31.5	32.07	11.11	30.36	256	305	A	H
	*	5240	117.86	-	-	105.36	31.6	11.24	30.34	256	305	P	H
	*	5240	111.04	-	-	98.54	31.6	11.24	30.34	256	305	A	H
		5359.2	54.35	-19.65	74	41.72	31.62	11.37	30.36	256	305	P	H
		5433.12	44.99	-9.01	54	32.11	31.8	11.44	30.36	256	305	A	H
		5114.14	53.55	-20.45	74	40.81	32.02	11.08	30.36	100	297	P	V
		5140.92	44.51	-9.49	54	31.72	32.02	11.12	30.35	100	297	A	V
	*	5240	118.12	-	-	105.57	31.65	11.24	30.34	100	297	P	V
	*	5240	109.46	-	-	96.91	31.65	11.24	30.34	100	297	A	V
		5407.64	53.5	-20.5	74	40.74	31.69	11.42	30.35	100	297	P	V
		5429.2	45.48	-8.52	54	32.65	31.76	11.43	30.36	100	297	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 36 5180MHz		10360	52.69	-15.51	68.2	65.69	39.41	16.76	69.17	196	310	P	H
		11543	49.23	-24.77	74	58.82	40.08	17.99	67.66	-	-	P	H
		11543	38.81	-15.19	54	48.4	40.08	17.99	67.66	-	-	A	H
		14491	50.95	-23.05	74	56.65	41.94	20.34	67.98	-	-	P	H
		14491	41.7	-12.3	54	47.4	41.94	20.34	67.98	-	-	A	H
		15540	47.63	-26.37	74	56.96	38.19	20.78	68.3	-	-	P	H
		18000	58.87	-15.13	74	57.82	48.82	21.95	69.72	-	-	P	H
		18000	49.28	-4.72	54	48.23	48.82	21.95	69.72	-	-	A	H
													H
													H
													H
													H
		10360	53.33	-14.87	68.2	66.41	39.33	16.76	69.17	198	325	P	V
		11466	48.96	-25.04	74	58.8	40.07	17.91	67.82	-	-	P	V
		11466	38.92	-15.08	54	48.76	40.07	17.91	67.82	-	-	A	V
		14491	52.08	-21.92	74	57.77	41.95	20.34	67.98	-	-	P	V
		14491	42.01	-11.99	54	47.7	41.95	20.34	67.98	-	-	A	V
		15540	48.01	-25.99	74	57.24	38.29	20.78	68.3	-	-	P	V
		17989	59.21	-14.79	74	58.34	48.79	21.93	69.85	-	-	P	V
		17989	49.27	-4.73	54	48.4	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	54.39	-13.81	68.2	66.92	39.6	16.85	68.98	200	306	P	H
		12555	48.93	-25.07	74	58.4	38.38	18.92	66.77	-	-	P	H
		12555	39	-15	54	48.47	38.38	18.92	66.77	-	-	A	H
		14491	50.98	-23.02	74	56.68	41.94	20.34	67.98	-	-	P	H
		14491	41.58	-12.42	54	47.28	41.94	20.34	67.98	-	-	A	H
		15660	51.18	-22.82	74	61.04	37.8	20.83	68.49	100	360	P	H
		15660	41.3	-12.7	54	51.16	37.8	20.83	68.49	100	360	A	H
		18000	58.37	-15.63	74	57.32	48.82	21.95	69.72	-	-	P	H
		18000	49.67	-4.33	54	48.62	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11a CH 44 5220MHz													H
		10440	54.28	-13.92	68.2	66.84	39.57	16.85	68.98	400	330	P	V
		11576	49.38	-24.62	74	58.97	40	18.02	67.61	-	-	P	V
		11576	39.13	-14.87	54	48.72	40	18.02	67.61	-	-	A	V
		14491	51.2	-22.8	74	56.89	41.95	20.34	67.98	-	-	P	V
		14491	42.11	-11.89	54	47.8	41.95	20.34	67.98	-	-	A	V
		15660	47.74	-26.26	74	57.53	37.87	20.83	68.49	-	-	P	V
		17989	59.01	-14.99	74	58.14	48.79	21.93	69.85	-	-	P	V
		17989	49.27	-4.73	54	48.4	48.79	21.93	69.85	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	52.92	-15.28	68.2	65.16	39.7	16.88	68.82	193	304	P	H
		11675	49.77	-24.23	74	59.68	39.59	18.12	67.62	-	-	P	H
		11675	38.88	-15.12	54	48.79	39.59	18.12	67.62	-	-	A	H
		14491	51.51	-22.49	74	57.21	41.94	20.34	67.98	-	-	P	H
		14491	41.9	-12.1	54	47.6	41.94	20.34	67.98	-	-	A	H
		15720	56.89	-17.11	74	67.17	37.62	20.86	68.76	192	319	P	H
		15720	45.56	-8.44	54	55.84	37.62	20.86	68.76	192	319	A	H
		17989	59.51	-14.49	74	58.9	48.53	21.93	69.85	-	-	P	H
		17989	48.97	-5.03	54	48.36	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11a CH 48 5240MHz													H
		10480	54.79	-13.41	68.2	67.09	39.64	16.88	68.82	221	324	P	V
		11411	49.35	-24.65	74	59.58	39.95	17.84	68.02	-	-	P	V
		11411	38.89	-15.11	54	49.12	39.95	17.84	68.02	-	-	A	V
		14491	51.92	-22.08	74	57.61	41.95	20.34	67.98	-	-	P	V
		14491	41.81	-12.19	54	47.5	41.95	20.34	67.98	-	-	A	V
		15720	50.59	-23.41	74	60.76	37.73	20.86	68.76	100	358	P	V
		15720	41.15	-12.85	54	51.32	37.73	20.86	68.76	100	358	A	V
		18000	59.55	-14.45	74	58.28	49.04	21.95	69.72	-	-	P	V
		18000	49.54	-4.46	54	48.27	49.04	21.95	69.72	-	-	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.

Band 1 5150~5250MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5149.5	56.43	-17.57	74	43.62	32.03	11.13	30.35	100	300	P	H
		5148.46	46.77	-7.23	54	33.95	32.04	11.13	30.35	100	300	A	H
	*	5180	115.3	-	-	102.61	31.88	11.17	30.36	100	300	P	H
	*	5180	105.03	-	-	92.34	31.88	11.17	30.36	100	300	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.98	59.53	-14.47	74	46.73	32.02	11.13	30.35	101	296	P	V
5180MHz		5150	51.18	-2.82	54	38.38	32.02	11.13	30.35	101	296	A	V
	*	5180	117.16	-	-	104.47	31.88	11.17	30.36	101	296	P	V
	*	5180	106.91	-	-	94.22	31.88	11.17	30.36	101	296	A	V
													V
													V
		5132.34	53.46	-20.54	74	40.63	32.08	11.11	30.36	264	303	P	H
		5148.72	44.14	-9.86	54	31.32	32.04	11.13	30.35	264	303	A	H
	*	5220	120.75	-	-	108.19	31.69	11.22	30.35	264	303	P	H
	*	5220	110.57	-	-	98.01	31.69	11.22	30.35	264	303	A	H
802.11ax		5407.08	54.05	-19.95	74	41.25	31.73	11.42	30.35	264	303	P	H
HE20 Full		5414.64	44.09	-9.91	54	31.27	31.75	11.42	30.35	264	303	A	H
CH 44		5146.9	54.49	-19.51	74	41.69	32.02	11.13	30.35	103	60	P	V
5220MHz		5149.76	45.03	-8.97	54	32.23	32.02	11.13	30.35	103	60	A	V
	*	5220	120.69	-	-	108.1	31.72	11.22	30.35	103	60	P	V
	*	5220	108.9	-	-	96.31	31.72	11.22	30.35	103	60	A	V
		5453.84	53.67	-20.33	74	40.74	31.83	11.46	30.36	103	60	P	V
		5419.68	44.15	-9.85	54	31.34	31.73	11.43	30.35	103	60	A	V

		5133.9	52.85	-21.15	74	40.02	32.08	11.11	30.36	258	65	P	H
		5147.94	44	-10	54	31.18	32.04	11.13	30.35	258	65	A	H
	*	5240	117.86	-	-	105.36	31.6	11.24	30.34	258	65	P	H
	*	5240	108.61	-	-	96.11	31.6	11.24	30.34	258	65	A	H
802.11ax		5419.4	54.41	-19.59	74	41.56	31.77	11.43	30.35	258	65	P	H
HE20 Full		5433.4	45.33	-8.67	54	32.45	31.8	11.44	30.36	258	65	A	H
CH 48		5147.16	53.56	-20.44	74	40.76	32.02	11.13	30.35	100	61	P	V
5240MHz		5143	44.3	-9.7	54	31.51	32.02	11.12	30.35	100	61	A	V
	*	5240	118.67	-	-	106.12	31.65	11.24	30.34	100	61	P	V
	*	5240	109.08	-	-	96.53	31.65	11.24	30.34	100	61	A	V
		5367.88	53.74	-20.26	74	41.16	31.56	11.38	30.36	100	61	P	V
		5430.6	44.38	-9.62	54	31.54	31.76	11.44	30.36	100	61	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	47.57	-20.63	68.2	60.55	39.41	16.78	69.17	-	-	P	H
		11389	49.03	-24.97	74	59.3	39.98	17.85	68.1	-	-	P	H
		11389	38.51	-15.49	54	48.78	39.98	17.85	68.1	-	-	A	H
		14491	50.87	-23.13	74	56.48	41.94	20.43	67.98	-	-	P	H
		14491	41.98	-12.02	54	47.59	41.94	20.43	67.98	-	-	A	H
		15540	47.9	-26.1	74	57.32	38.19	20.69	68.3	-	-	P	H
		17967	59.18	-14.82	74	59.25	47.96	22.08	70.11	-	-	P	H
		17967	48.13	-5.87	54	48.2	47.96	22.08	70.11	-	-	A	H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	48.25	-19.95	68.2	61.31	39.33	16.78	69.17	-	-	P	V
5180MHz		12137	49.39	-24.61	74	58.6	39.26	18.61	67.08	-	-	P	V
		12137	39.87	-14.13	54	49.08	39.26	18.61	67.08	-	-	A	V
		14491	51.47	-22.53	74	57.07	41.95	20.43	67.98	-	-	P	V
		14491	41.88	-12.12	54	47.48	41.95	20.43	67.98	-	-	A	V
		15540	47.75	-26.25	74	57.07	38.29	20.69	68.3	-	-	P	V
		17989	58.91	-15.09	74	57.87	48.79	22.1	69.85	-	-	P	V
		17989	49.34	-4.66	54	48.3	48.79	22.1	69.85	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	52.37	-15.83	68.2	64.9	39.6	16.85	68.98	190	307	P	H
		11378	49.52	-24.48	74	59.88	39.96	17.81	68.13	-	-	P	H
		11378	38.43	-15.57	54	48.79	39.96	17.81	68.13	-	-	A	H
		14491	51.69	-22.31	74	57.39	41.94	20.34	67.98	-	-	P	H
		14491	41.98	-12.02	54	47.68	41.94	20.34	67.98	-	-	A	H
		15660	57.96	-16.04	74	67.82	37.8	20.83	68.49	189	319	P	H
		15660	45.76	-8.24	54	55.62	37.8	20.83	68.49	189	319	A	H
		17989	58.52	-15.48	74	57.91	48.53	21.93	69.85	-	-	P	H
		17989	49.07	-4.93	54	48.46	48.53	21.93	69.85	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	53.38	-14.82	68.2	65.94	39.57	16.85	68.98	400	332	P	V
5220MHz		11268	49.23	-24.77	74	60.2	39.65	17.7	68.32	-	-	P	V
		11268	38.13	-15.87	54	49.1	39.65	17.7	68.32	-	-	A	V
		14491	50.68	-23.32	74	56.37	41.95	20.34	67.98	-	-	P	V
		14491	42	-12	54	47.69	41.95	20.34	67.98	-	-	A	V
		15660	52.59	-21.41	74	62.38	37.87	20.83	68.49	198	0	P	V
		15660	41.84	-12.16	54	51.63	37.87	20.83	68.49	198	0	A	V
		18000	59.32	-14.68	74	58.05	49.04	21.95	69.72	-	-	P	V
		18000	49.6	-4.4	54	48.33	49.04	21.95	69.72	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	51.9	-16.3	68.2	64.14	39.7	16.88	68.82	382	301	P	H
		10927	49.14	-24.86	74	60.09	40.18	17.35	68.48	-	-	P	H
		10927	38.74	-15.26	54	49.69	40.18	17.35	68.48	-	-	A	H
		14491	50.45	-23.55	74	56.15	41.94	20.34	67.98	-	-	P	H
		14491	41.88	-12.12	54	47.58	41.94	20.34	67.98	-	-	A	H
		15720	55.3	-18.7	74	65.58	37.62	20.86	68.76	189	321	P	H
		15720	44.54	-9.46	54	54.82	37.62	20.86	68.76	189	321	A	H
		17989	58.97	-15.03	74	58.36	48.53	21.93	69.85	-	-	P	H
		17989	48.95	-5.05	54	48.34	48.53	21.93	69.85	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	54.36	-13.84	68.2	66.66	39.64	16.88	68.82	223	328	P	V
5240MHz		11686	49.16	-24.84	74	59.12	39.54	18.13	67.63	-	-	P	V
		11686	38.83	-15.17	54	48.79	39.54	18.13	67.63	-	-	A	V
		14502	51.48	-16.72	68.2	57.17	41.96	20.34	67.99	-	-	P	V
		14502	41.76	-12.24	54	47.45	41.96	20.34	67.99	-	-	A	V
		15720	52.36	-21.64	74	62.53	37.73	20.86	68.76	199	0	P	V
		15720	41.58	-12.42	54	51.75	37.73	20.86	68.76	199	0	A	V
		18000	58.45	-15.55	74	57.18	49.04	21.95	69.72	-	-	P	V
		18000	49.59	-4.41	54	48.32	49.04	21.95	69.72	-	-	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.

Band 1 5150~5250MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5148.2	59.83	-14.17	74	47.01	32.04	11.13	30.35	255	303	P	H
		5146.38	50.39	-3.61	54	37.58	32.04	11.12	30.35	255	303	A	H
	*	5190	114.45	-	-	101.79	31.83	11.19	30.36	255	303	P	H
	*	5190	104.99	-	-	92.33	31.83	11.19	30.36	255	303	A	H
802.11ax		5437.32	54.01	-19.99	74	41.12	31.81	11.44	30.36	255	303	P	H
HE40 Full		5375.72	44.11	-9.89	54	31.42	31.66	11.38	30.35	255	303	A	H
CH 38		5150	61.22	-12.78	74	48.42	32.02	11.13	30.35	100	300	P	V
5190MHz		5149.5	51.6	-2.4	54	38.8	32.02	11.13	30.35	100	300	A	V
	*	5190	114.27	-	-	101.61	31.83	11.19	30.36	100	300	P	V
	*	5190	103.52	-	-	90.86	31.83	11.19	30.36	100	300	A	V
		5377.12	53.55	-20.45	74	40.92	31.59	11.39	30.35	100	300	P	V
		5453.28	44.13	-9.87	54	31.2	31.83	11.46	30.36	100	300	A	V
		5149.5	57	-17	74	44.19	32.03	11.13	30.35	254	305	P	H
		5149.5	50.11	-3.89	54	37.3	32.03	11.13	30.35	254	305	A	H
	*	5230	119.25	-	-	106.72	31.65	11.23	30.35	254	305	P	H
	*	5230	108.2	-	-	95.67	31.65	11.23	30.35	254	305	A	H
802.11ax		5350.52	61.89	-12.11	74	49.29	31.6	11.36	30.36	254	305	P	H
HE40 Full		5351.08	45.88	-8.12	54	33.28	31.6	11.36	30.36	254	305	A	H
CH 46		5149.5	59.68	-14.32	74	46.88	32.02	11.13	30.35	100	64	P	V
5230MHz		5150	50.68	-3.32	54	37.88	32.02	11.13	30.35	100	64	A	V
	*	5230	116.96	-	-	104.4	31.68	11.23	30.35	100	64	P	V
	*	5230	106.96	-	-	94.4	31.68	11.23	30.35	100	64	A	V
		5433.68	54.2	-19.8	74	41.35	31.77	11.44	30.36	100	64	P	V
		5350	44.98	-9.02	54	32.48	31.5	11.36	30.36	100	64	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	46.86	-21.34	68.2	59.74	39.46	16.8	69.14	-	-	P	H
		11389	49.95	-24.05	74	60.22	39.98	17.85	68.1	-	-	P	H
		11389	38.82	-15.18	54	49.09	39.98	17.85	68.1	-	-	A	H
		14491	50.94	-23.06	74	56.55	41.94	20.43	67.98	-	-	P	H
		14491	42.01	-11.99	54	47.62	41.94	20.43	67.98	-	-	A	H
		15570	48.12	-25.88	74	57.58	38.08	20.69	68.23	-	-	P	H
		18000	58.59	-15.41	74	57.38	48.82	22.11	69.72	-	-	P	H
		18000	49.6	-4.4	54	48.39	48.82	22.11	69.72	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	47.17	-21.03	68.2	60.1	39.41	16.8	69.14	-	-	P	V
5190MHz		11675	49.31	-24.69	74	59.18	39.61	18.14	67.62	-	-	P	V
		11675	38.94	-15.06	54	48.81	39.61	18.14	67.62	-	-	A	V
		14491	51.7	-22.3	74	57.3	41.95	20.43	67.98	-	-	P	V
		14491	41.89	-12.11	54	47.49	41.95	20.43	67.98	-	-	A	V
		15570	47.54	-26.46	74	56.9	38.18	20.69	68.23	-	-	P	V
		18000	58.73	-15.27	74	57.3	49.04	22.11	69.72	-	-	P	V
		18000	49.9	-4.1	54	48.47	49.04	22.11	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	51.2	-17	68.2	63.58	39.65	16.88	68.91	208	332	P	H
		11433	49.38	-24.62	74	59.34	40.08	17.89	67.93	-	-	P	H
		11433	39.25	-14.75	54	49.21	40.08	17.89	67.93	-	-	A	H
		14491	51.62	-22.38	74	57.23	41.94	20.43	67.98	-	-	P	H
		14491	42.08	-11.92	54	47.69	41.94	20.43	67.98	-	-	A	H
		15690	55.66	-18.34	74	65.89	37.7	20.73	68.66	192	318	P	H
		17967	58.72	-15.28	74	58.79	47.96	22.08	70.11	-	-	P	H
		17967	48.25	-5.75	54	48.32	47.96	22.08	70.11	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	52.43	-15.77	68.2	64.85	39.61	16.88	68.91	197	314	P	V
5230MHz		12060	49.33	-24.67	74	59.05	39.21	18.53	67.46	-	-	P	V
		12060	39.34	-14.66	54	49.06	39.21	18.53	67.46	-	-	A	V
		14491	51.33	-22.67	74	56.93	41.95	20.43	67.98	-	-	P	V
		14491	42.21	-11.79	54	47.81	41.95	20.43	67.98	-	-	A	V
		15690	50.37	-23.63	74	60.5	37.8	20.73	68.66	100	359	P	V
		18000	58.72	-15.28	74	57.29	49.04	22.11	69.72	-	-	P	V
		18000	49.69	-4.31	54	48.26	49.04	22.11	69.72	-	-	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.

Band 1 5150~5250MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		5146.9	59.99	-14.01	74	47.17	32.04	11.13	30.35	265	297	P	H
		5147.16	50.95	-3.05	54	38.13	32.04	11.13	30.35	265	297	A	H
	*	5210	111.52	-	-	98.93	31.74	11.21	30.36	265	297	P	H
	*	5210	100.51	-	-	87.92	31.74	11.21	30.36	265	297	A	H
		5365.92	53.73	-20.27	74	41.08	31.64	11.37	30.36	265	297	P	H
		5456.64	44.24	-9.76	54	31.28	31.86	11.46	30.36	265	297	A	H
		5146.12	59.9	-14.1	74	47.11	32.02	11.12	30.35	100	57	P	V
		5145.08	52.65	-1.35	54	39.86	32.02	11.12	30.35	100	57	A	V
	*	5210	109.86	-	-	97.26	31.75	11.21	30.36	100	57	P	V
	*	5210	99.41	-	-	86.81	31.75	11.21	30.36	100	57	A	V
		5364.52	53.17	-20.83	74	40.61	31.55	11.37	30.36	100	57	P	V
		5354.44	44.9	-9.1	54	32.39	31.51	11.36	30.36	100	57	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	47.03	-21.17	68.2	59.68	39.55	16.85	69.05	-	-	P	H
		11466	49.18	-24.82	74	58.94	40.13	17.93	67.82	-	-	P	H
		11466	39.43	-14.57	54	49.19	40.13	17.93	67.82	-	-	A	H
		14491	50.81	-23.19	74	56.42	41.94	20.43	67.98	-	-	P	H
		14491	42.02	-11.98	54	47.63	41.94	20.43	67.98	-	-	A	H
		15630	48.66	-25.34	74	58.4	37.9	20.71	68.35	-	-	P	H
		18000	58.48	-15.52	74	57.27	48.82	22.11	69.72	-	-	P	H
		18000	49.6	-4.4	54	48.39	48.82	22.11	69.72	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	47.13	-21.07	68.2	59.8	39.53	16.85	69.05	-	-	P	V
5210MHz		11422	48.9	-25.1	74	59.02	39.98	17.88	67.98	-	-	P	V
		11422	38.88	-15.12	54	49	39.98	17.88	67.98	-	-	A	V
		14491	51.3	-22.7	74	56.9	41.95	20.43	67.98	-	-	P	V
		14491	42.08	-11.92	54	47.68	41.95	20.43	67.98	-	-	A	V
		15630	47.56	-26.44	74	57.23	37.97	20.71	68.35	-	-	P	V
		18000	58.63	-15.37	74	57.2	49.04	22.11	69.72	-	-	P	V
		18000	49.82	-4.18	54	48.39	49.04	22.11	69.72	-	-	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.

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		5138.38	53.06	-20.94	74	40.24	32.06	11.11	30.35	261	306	P	H
		5147.22	44.53	-9.47	54	31.71	32.04	11.13	30.35	261	306	A	H
	*	5260	118.9	-	-	106.44	31.54	11.26	30.34	261	306	P	H
	*	5260	110.98	-	-	98.52	31.54	11.26	30.34	261	306	A	H
		5379.6	54.19	-19.81	74	41.48	31.67	11.39	30.35	261	306	P	H
		5448.72	45.17	-8.83	54	32.24	31.84	11.45	30.36	261	306	A	H
		5126.14	53.63	-20.37	74	40.87	32.02	11.1	30.36	100	302	P	V
		5145.52	44.59	-9.41	54	31.8	32.02	11.12	30.35	100	302	A	V
	*	5260	117.81	-	-	105.32	31.57	11.26	30.34	100	302	P	V
	*	5260	108.34	-	-	95.85	31.57	11.26	30.34	100	302	A	V
		5447.28	54.87	-19.13	74	41.97	31.81	11.45	30.36	100	302	P	V
		5454.72	45.91	-8.09	54	32.97	31.84	11.46	30.36	100	302	A	V
802.11a CH 60 5300MHz		5126.82	52.82	-21.18	74	39.99	32.09	11.1	30.36	285	66	P	H
		5144.16	44.33	-9.67	54	31.51	32.05	11.12	30.35	285	66	A	H
	*	5300	117.33	-	-	104.89	31.47	11.31	30.34	285	66	P	H
	*	5300	109.15	-	-	96.71	31.47	11.31	30.34	285	66	A	H
		5435.52	54.61	-19.39	74	41.72	31.81	11.44	30.36	285	66	P	H
		5442.72	44.86	-9.14	54	31.94	31.83	11.45	30.36	285	66	A	H
		5135.32	53.57	-20.43	74	40.8	32.02	11.11	30.36	100	62	P	V
		5146.88	44.69	-9.31	54	31.89	32.02	11.13	30.35	100	62	A	V
	*	5300	117.79	-	-	105.43	31.39	11.31	30.34	100	62	P	V
	*	5300	109.12	-	-	96.76	31.39	11.31	30.34	100	62	A	V
		5442	52.79	-21.21	74	39.9	31.8	11.45	30.36	100	62	P	V
		5350.32	44.4	-9.6	54	31.9	31.5	11.36	30.36	100	62	A	V

802.11a CH 64 5320MHz	*	5320	115.92	-	-	103.42	31.52	11.33	30.35	283	67	P	H
	*	5320	107.89	-	-	95.39	31.52	11.33	30.35	283	67	A	H
		5350.08	56.22	-17.78	74	43.62	31.6	11.36	30.36	283	67	P	H
		5350.4	48.49	-5.51	54	35.89	31.6	11.36	30.36	283	67	A	H
													H
													H
	*	5320	116.42	-	-	104.01	31.43	11.33	30.35	100	295	P	V
	*	5320	107.76	-	-	95.35	31.43	11.33	30.35	100	295	A	V
		5350.72	60.47	-13.53	74	47.97	31.5	11.36	30.36	100	295	P	V
		5350.08	51.46	-2.54	54	38.96	31.5	11.36	30.36	100	295	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		10520	52.97	-15.23	68.2	64.93	39.74	16.95	68.65	398	293	P	H
		11565	49.32	-24.68	74	58.88	40.04	18.03	67.63	-	-	P	H
		11565	39.66	-14.34	54	49.22	40.04	18.03	67.63	-	-	A	H
		14491	51.84	-22.16	74	57.45	41.94	20.43	67.98	-	-	P	H
		14491	42.02	-11.98	54	47.63	41.94	20.43	67.98	-	-	A	H
		15780	56.7	-17.3	74	67.23	37.48	20.74	68.75	187	319	P	H
		15780	45.57	-8.43	54	56.1	37.48	20.74	68.75	187	319	A	H
		18000	59.29	-14.71	74	58.08	48.82	22.11	69.72	-	-	P	H
		18000	49.52	-4.48	54	48.31	48.82	22.11	69.72	-	-	A	H
													H
													H
													H
		10520	55.11	-13.09	68.2	67.14	39.67	16.95	68.65	213	326	P	V
		11675	49.47	-24.53	74	59.34	39.61	18.14	67.62	-	-	P	V
		11675	39.35	-14.65	54	49.22	39.61	18.14	67.62	-	-	A	V
		14491	51.65	-22.35	74	57.25	41.95	20.43	67.98	-	-	P	V
		14491	41.87	-12.13	54	47.47	41.95	20.43	67.98	-	-	A	V
		15780	51.87	-22.13	74	62.26	37.62	20.74	68.75	110	360	P	V
		15780	41.98	-12.02	54	52.37	37.62	20.74	68.75	110	360	A	V
		17978	58.65	-15.35	74	57.99	48.54	22.1	69.98	-	-	P	V
		17978	49.08	-4.92	54	48.42	48.54	22.1	69.98	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	53.31	-20.69	74	65.02	39.68	17.03	68.42	390	297	P	H
		10600	44.63	-9.37	54	56.34	39.68	17.03	68.42	390	297	A	H
		12027	49.74	-24.26	74	59.64	39.22	18.5	67.62	-	-	P	H
		12027	39.21	-14.79	54	49.11	39.22	18.5	67.62	-	-	A	H
		14491	51.34	-22.66	74	56.95	41.94	20.43	67.98	-	-	P	H
		14491	42.01	-11.99	54	47.62	41.94	20.43	67.98	-	-	A	H
		15900	53.99	-20.01	74	64.15	37.37	20.78	68.31	188	317	P	H
		15900	43.02	-10.98	54	53.18	37.37	20.78	68.31	188	317	A	H
		17967	58.74	-15.26	74	58.81	47.96	22.08	70.11	-	-	P	H
		17967	48.25	-5.75	54	48.32	47.96	22.08	70.11	-	-	A	H
													H
802.11a CH 60 5300MHz													H
		10600	54.29	-19.71	74	66.01	39.67	17.03	68.42	215	325	P	V
		10600	46.67	-7.33	54	58.39	39.67	17.03	68.42	215	325	A	V
		12181	49.01	-24.99	74	58.13	39.28	18.64	67.04	-	-	P	V
		12181	39.98	-14.02	54	49.1	39.28	18.64	67.04	-	-	A	V
		14491	51.1	-22.9	74	56.7	41.95	20.43	67.98	-	-	P	V
		14491	42.21	-11.79	54	47.81	41.95	20.43	67.98	-	-	A	V
		15900	53.27	-20.73	74	63.36	37.44	20.78	68.31	100	360	P	V
		15900	41.59	-12.41	54	51.68	37.44	20.78	68.31	100	360	A	V
		17989	59.27	-14.73	74	58.23	48.79	22.1	69.85	-	-	P	V
		17989	49.58	-4.42	54	48.54	48.79	22.1	69.85	-	-	A	V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	52.52	-21.48	74	64.16	39.68	17.07	68.39	399	297	P	H
		10640	43.18	-10.82	54	54.82	39.68	17.07	68.39	399	297	A	H
		11730	49.47	-24.53	74	59.65	39.39	18.2	67.77	-	-	P	H
		11730	38.93	-15.07	54	49.11	39.39	18.2	67.77	-	-	A	H
		14491	52.67	-21.33	74	58.28	41.94	20.43	67.98	-	-	P	H
		14491	42.01	-11.99	54	47.62	41.94	20.43	67.98	-	-	A	H
		15960	46.39	-27.61	74	56.45	37.33	20.79	68.18	-	-	P	H
		18000	58.44	-15.56	74	57.23	48.82	22.11	69.72	-	-	P	H
		18000	49.45	-4.55	54	48.24	48.82	22.11	69.72	-	-	A	H
													H
													H
802.11a CH 64 5320MHz													H
		10640	54.04	-19.96	74	65.76	39.6	17.07	68.39	203	323	P	V
		10640	45.23	-8.77	54	56.95	39.6	17.07	68.39	203	323	A	V
		11510	49.84	-24.16	74	59.48	40.08	17.98	67.7	-	-	P	V
		11510	39.4	-14.6	54	49.04	40.08	17.98	67.7	-	-	A	V
		14491	51.69	-22.31	74	57.29	41.95	20.43	67.98	-	-	P	V
		14491	41.96	-12.04	54	47.56	41.95	20.43	67.98	-	-	A	V
		15960	46.71	-27.29	74	56.61	37.49	20.79	68.18	-	-	P	V
		17989	59.76	-14.24	74	58.72	48.79	22.1	69.85	-	-	P	V
		17989	49.44	-4.56	54	48.4	48.79	22.1	69.85	-	-	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.

Band 2 5250~5350MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5149.94	52.97	-21.03	74	40.16	32.03	11.13	30.35	271	64	P	H
		5139.4	43.88	-10.12	54	31.05	32.06	11.12	30.35	271	64	A	H
	*	5260	118.28	-	-	105.82	31.54	11.26	30.34	271	64	P	H
	*	5260	108.25	-	-	95.79	31.54	11.26	30.34	271	64	A	H
802.11ax		5458.32	53.85	-20.15	74	40.89	31.86	11.46	30.36	271	64	P	H
HE20 Full		5452.8	45.21	-8.79	54	32.27	31.85	11.45	30.36	271	64	A	H
CH 52		5137.7	53.22	-20.78	74	40.44	32.02	11.11	30.35	100	58	P	V
5260MHz		5149.26	44.06	-9.94	54	31.26	32.02	11.13	30.35	100	58	A	V
	*	5260	118.58	-	-	106.09	31.57	11.26	30.34	100	58	P	V
	*	5260	108.55	-	-	96.06	31.57	11.26	30.34	100	58	A	V
		5417.52	53.23	-20.77	74	40.44	31.72	11.42	30.35	100	58	P	V
		5451.6	44.18	-9.82	54	31.26	31.83	11.45	30.36	100	58	A	V
		5099.96	53.05	-20.95	74	40.19	32.17	11.06	30.37	283	65	P	H
		5146.54	43.8	-10.2	54	30.98	32.04	11.13	30.35	283	65	A	H
	*	5300	118.51	-	-	106.07	31.47	11.31	30.34	283	65	P	H
	*	5300	108.05	-	-	95.61	31.47	11.31	30.34	283	65	A	H
802.11ax		5429.28	53.46	-20.54	74	40.6	31.79	11.43	30.36	283	65	P	H
HE20 Full		5352.24	44.6	-9.4	54	31.99	31.61	11.36	30.36	283	65	A	H
CH 60		5147.9	53.09	-20.91	74	40.29	32.02	11.13	30.35	100	58	P	V
5300MHz		5148.24	44	-10	54	31.2	32.02	11.13	30.35	100	58	A	V
	*	5300	119.26	-	-	106.9	31.39	11.31	30.34	100	58	P	V
	*	5300	107.71	-	-	95.35	31.39	11.31	30.34	100	58	A	V
		5358.48	53.1	-20.9	74	40.56	31.53	11.37	30.36	100	58	P	V
		5352.48	44.49	-9.51	54	31.98	31.51	11.36	30.36	100	58	A	V

	*	5320	117.03	-	-	104.53	31.52	11.33	30.35	269	69	P	H
	*	5320	106.38	-	-	93.88	31.52	11.33	30.35	269	69	A	H
		5440.64	56.53	-17.47	74	43.63	31.82	11.44	30.36	269	69	P	H
		5350.56	47.19	-6.81	54	34.59	31.6	11.36	30.36	269	69	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	116.08	-	-	103.67	31.43	11.33	30.35	107	295	P	V
5320MHz	*	5320	106.89	-	-	94.48	31.43	11.33	30.35	107	295	A	V
		5350.4	60.05	-13.95	74	47.55	31.5	11.36	30.36	107	295	P	V
		5350.08	50.93	-3.07	54	38.43	31.5	11.36	30.36	107	295	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	52.61	-15.59	68.2	64.57	39.74	16.95	68.65	400	291	P	H
		12280	49.11	-24.89	74	58.66	39.04	18.74	67.33	-	-	P	H
		12280	39.58	-14.42	54	49.13	39.04	18.74	67.33	-	-	A	H
		14491	51.44	-22.56	74	57.05	41.94	20.43	67.98	-	-	P	H
		14491	42.04	-11.96	54	47.65	41.94	20.43	67.98	-	-	A	H
		15780	58.58	-15.42	74	69.11	37.48	20.74	68.75	185	319	P	H
		15780	44.89	-9.11	54	55.42	37.48	20.74	68.75	185	319	A	H
		17978	58.44	-15.56	74	58.07	48.25	22.1	69.98	-	-	P	H
		17978	48.56	-5.44	54	48.19	48.25	22.1	69.98	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	54.03	-14.17	68.2	66.06	39.67	16.95	68.65	208	324	P	V
5260MHz		12060	49.87	-24.13	74	59.59	39.21	18.53	67.46	-	-	P	V
		12060	39.43	-14.57	54	49.15	39.21	18.53	67.46	-	-	A	V
		14491	50.82	-23.18	74	56.42	41.95	20.43	67.98	-	-	P	V
		14491	41.83	-12.17	54	47.43	41.95	20.43	67.98	-	-	A	V
		15780	54.34	-19.66	74	64.73	37.62	20.74	68.75	100	360	P	V
		15780	41.92	-12.08	54	52.31	37.62	20.74	68.75	100	360	A	V
		17989	58.5	-15.5	74	57.46	48.79	22.1	69.85	-	-	P	V
		17989	49.33	-4.67	54	48.29	48.79	22.1	69.85	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	51.67	-22.33	74	63.38	39.68	17.03	68.42	400	295	P	H
		10600	43.68	-10.32	54	55.39	39.68	17.03	68.42	400	295	A	H
		11268	49.92	-24.08	74	60.79	39.73	17.72	68.32	-	-	P	H
		11268	38.25	-15.75	54	49.12	39.73	17.72	68.32	-	-	A	H
		14491	50.98	-23.02	74	56.59	41.94	20.43	67.98	-	-	P	H
		14491	41.91	-12.09	54	47.52	41.94	20.43	67.98	-	-	A	H
		15910	53.35	-20.65	74	63.49	37.36	20.78	68.28	194	4	P	H
		15910	41.91	-12.09	54	52.05	37.36	20.78	68.28	194	4	A	H
		18000	58.53	-15.47	74	57.32	48.82	22.11	69.72	-	-	P	H
		18000	49.57	-4.43	54	48.36	48.82	22.11	69.72	-	-	A	H
802.11ax													H
HE20 Full													H
CH 60		10600	54.58	-19.42	74	66.3	39.67	17.03	68.42	228	326	P	V
5300MHz		10600	45.97	-8.03	54	57.69	39.67	17.03	68.42	228	326	A	V
		12269	49.4	-24.6	74	58.91	39.05	18.73	67.29	-	-	P	V
		12269	39.65	-14.35	54	49.16	39.05	18.73	67.29	-	-	A	V
		14491	51.66	-22.34	74	57.26	41.95	20.43	67.98	-	-	P	V
		14491	42.09	-11.91	54	47.69	41.95	20.43	67.98	-	-	A	V
		15900	52.03	-21.97	74	62.12	37.44	20.78	68.31	186	359	P	V
		15900	40.37	-13.63	54	50.46	37.44	20.78	68.31	186	359	A	V
		17989	59.86	-14.14	74	58.82	48.79	22.1	69.85	-	-	P	V
		17989	49.46	-4.54	54	48.42	48.79	22.1	69.85	-	-	A	V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	51.75	-22.25	74	63.39	39.68	17.07	68.39	400	292	P	H
		10640	42.85	-11.15	54	54.49	39.68	17.07	68.39	400	292	A	H
		12192	49.18	-24.82	74	58.3	39.26	18.66	67.04	-	-	P	H
		12192	40.22	-13.78	54	49.34	39.26	18.66	67.04	-	-	A	H
		14491	51.39	-22.61	74	57	41.94	20.43	67.98	-	-	P	H
		14491	41.88	-12.12	54	47.49	41.94	20.43	67.98	-	-	A	H
		15960	47.73	-26.27	74	57.79	37.33	20.79	68.18	-	-	P	H
		18000	59.48	-14.52	74	58.27	48.82	22.11	69.72	-	-	P	H
		18000	49.52	-4.48	54	48.31	48.82	22.11	69.72	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	52.56	-21.44	74	64.28	39.6	17.07	68.39	201	322	P	V
5320MHz		10640	44.57	-9.43	54	56.29	39.6	17.07	68.39	201	322	A	V
		12203	49.57	-24.43	74	58.69	39.26	18.67	67.05	-	-	P	V
		12203	39.99	-14.01	54	49.11	39.26	18.67	67.05	-	-	A	V
		14491	50.95	-23.05	74	56.55	41.95	20.43	67.98	-	-	P	V
		14491	41.92	-12.08	54	47.52	41.95	20.43	67.98	-	-	A	V
		15960	47.2	-26.8	74	57.1	37.49	20.79	68.18	-	-	P	V
		18000	59.37	-14.63	74	57.94	49.04	22.11	69.72	-	-	P	V
		18000	49.8	-4.2	54	48.37	49.04	22.11	69.72	-	-	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.

Band 2 5250~5350MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	53.49	-20.51	74	40.66	32.06	11.12	30.35	272	65	P	H
		5148.92	45.02	-8.98	54	32.21	32.03	11.13	30.35	272	65	A	H
	*	5270	115.64	-	-	103.19	31.52	11.27	30.34	272	65	P	H
	*	5270	105.95	-	-	93.5	31.52	11.27	30.34	272	65	A	H
802.11ax		5350.56	58.57	-15.43	74	45.97	31.6	11.36	30.36	272	65	P	H
HE40 Full		5350.8	50.78	-3.22	54	38.18	31.6	11.36	30.36	272	65	A	H
CH 54		5124.78	53.35	-20.65	74	40.6	32.02	11.09	30.36	100	55	P	V
5270MHz		5148.24	45.39	-8.61	54	32.59	32.02	11.13	30.35	100	55	A	V
	*	5270	115.06	-	-	102.61	31.52	11.27	30.34	100	55	P	V
	*	5270	104.68	-	-	92.23	31.52	11.27	30.34	100	55	A	V
		5358.48	55.65	-18.35	74	43.11	31.53	11.37	30.36	100	55	P	V
		5350.08	48.94	-5.06	54	36.44	31.5	11.36	30.36	100	55	A	V
		5119.34	52.7	-21.3	74	39.86	32.11	11.09	30.36	255	307	P	H
		5129.88	43.87	-10.13	54	31.04	32.09	11.1	30.36	255	307	A	H
	*	5310	111.82	-	-	99.34	31.5	11.32	30.34	255	307	P	H
	*	5310	103.24	-	-	90.76	31.5	11.32	30.34	255	307	A	H
802.11ax		5351.04	60.9	-13.1	74	48.3	31.6	11.36	30.36	255	307	P	H
HE40 Full		5351.52	52.52	-1.48	54	39.92	31.6	11.36	30.36	255	307	A	H
CH 62		5138.04	53.38	-20.62	74	40.6	32.02	11.11	30.35	100	296	P	V
5310MHz		5149.6	43.89	-10.11	54	31.09	32.02	11.13	30.35	100	296	A	V
	*	5310	109.74	-	-	97.35	31.41	11.32	30.34	100	296	P	V
	*	5310	102.01	-	-	89.62	31.41	11.32	30.34	100	296	A	V
		5357.76	61	-13	74	48.46	31.53	11.37	30.36	100	296	P	V
		5350.08	52.8	-1.2	54	40.3	31.5	11.36	30.36	100	296	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	50.53	-17.67	68.2	62.41	39.73	16.97	68.58	387	294	P	H
		11400	49.65	-24.35	74	59.84	40.01	17.86	68.06	-	-	P	H
		11400	38.91	-15.09	54	49.1	40.01	17.86	68.06	-	-	A	H
		14491	51.58	-22.42	74	57.19	41.94	20.43	67.98	-	-	P	H
		14491	42.02	-11.98	54	47.63	41.94	20.43	67.98	-	-	A	H
		15810	57.84	-16.16	74	68.31	37.42	20.76	68.65	192	317	P	H
		15810	47.5	-6.5	54	57.97	37.42	20.76	68.65	192	317	A	H
		18000	58.98	-15.02	74	57.77	48.82	22.11	69.72	-	-	P	H
		18000	49.38	-4.62	54	48.17	48.82	22.11	69.72	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	52.67	-15.53	68.2	64.61	39.67	16.97	68.58	214	326	P	V
5270MHz		11532	49.7	-24.3	74	59.31	40.06	18	67.67	-	-	P	V
		11532	39.7	-14.3	54	49.31	40.06	18	67.67	-	-	A	V
		14491	51.54	-22.46	74	57.14	41.95	20.43	67.98	-	-	P	V
		14491	42.02	-11.98	54	47.62	41.95	20.43	67.98	-	-	A	V
		15810	52.44	-21.56	74	62.76	37.57	20.76	68.65	189	360	P	V
		15810	43.61	-10.39	54	53.93	37.57	20.76	68.65	189	360	A	V
		18000	59.68	-14.32	74	58.25	49.04	22.11	69.72	-	-	P	V
		18000	49.87	-4.13	54	48.44	49.04	22.11	69.72	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	47.76	-26.24	74	59.42	39.68	17.06	68.4	-	-	P	H
		11499	49.11	-24.89	74	58.69	40.17	17.96	67.71	-	-	P	H
		11499	39.64	-14.36	54	49.22	40.17	17.96	67.71	-	-	A	H
		14491	51.19	-22.81	74	56.8	41.94	20.43	67.98	-	-	P	H
		14491	42	-12	54	47.61	41.94	20.43	67.98	-	-	A	H
		15930	46.43	-27.57	74	56.54	37.34	20.78	68.23	-	-	P	H
		18000	59.69	-14.31	74	58.48	48.82	22.11	69.72	-	-	P	H
		18000	49.44	-4.56	54	48.23	48.82	22.11	69.72	-	-	A	H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	48.18	-25.82	74	59.89	39.63	17.06	68.4	-	-	P	V
5310MHz		12225	49.48	-24.52	74	58.72	39.19	18.69	67.12	-	-	P	V
		12225	40.02	-13.98	54	49.26	39.19	18.69	67.12	-	-	A	V
		14491	51.55	-22.45	74	57.15	41.95	20.43	67.98	-	-	P	V
		14491	41.79	-12.21	54	47.39	41.95	20.43	67.98	-	-	A	V
		15930	47.06	-26.94	74	57.05	37.46	20.78	68.23	-	-	P	V
		17989	60.31	-13.69	74	59.27	48.79	22.1	69.85	-	-	P	V
		17989	49.41	-4.59	54	48.37	48.79	22.1	69.85	-	-	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.

Band 2 5250~5350MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		5141.1	53.55	-20.45	74	40.72	32.06	11.12	30.35	261	60	P	H
		5142.8	43.8	-10.2	54	30.98	32.05	11.12	30.35	261	60	A	H
	*	5290	106.5	-	-	94.06	31.49	11.29	30.34	261	60	P	H
	*	5290	98.33	-	-	85.89	31.49	11.29	30.34	261	60	A	H
		5352.72	60.65	-13.35	74	48.04	31.61	11.36	30.36	261	60	P	H
		5351.04	52.63	-1.37	54	40.03	31.6	11.36	30.36	261	60	A	H
		5147.56	53.86	-20.14	74	41.06	32.02	11.13	30.35	100	297	P	V
		5146.88	43.89	-10.11	54	31.09	32.02	11.13	30.35	100	297	A	V
	*	5290	105.37	-	-	92.99	31.43	11.29	30.34	100	297	P	V
	*	5290	97.11	-	-	84.73	31.43	11.29	30.34	100	297	A	V
		5355.84	61.78	-12.22	74	49.26	31.52	11.36	30.36	100	297	P	V
		5355.84	53.19	-0.81	54	40.67	31.52	11.36	30.36	100	297	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	46.83	-21.37	68.2	58.6	39.69	17.01	68.47	-	-	P	H
		11499	49.34	-24.66	74	58.92	40.17	17.96	67.71	-	-	P	H
		11499	39.75	-14.25	54	49.33	40.17	17.96	67.71	-	-	A	H
		14491	51.36	-22.64	74	56.97	41.94	20.43	67.98	-	-	P	H
		14491	42	-12	54	47.61	41.94	20.43	67.98	-	-	A	H
		15870	46.39	-27.61	74	56.65	37.38	20.77	68.41	-	-	P	H
		17989	59.34	-14.66	74	58.56	48.53	22.1	69.85	-	-	P	H
		17989	49.07	-4.93	54	48.29	48.53	22.1	69.85	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	47.61	-20.59	68.2	59.4	39.67	17.01	68.47	-	-	P	V
5290MHz		11686	49.8	-24.2	74	59.74	39.54	18.15	67.63	-	-	P	V
		11686	39.29	-14.71	54	49.23	39.54	18.15	67.63	-	-	A	V
		14491	51.54	-22.46	74	57.14	41.95	20.43	67.98	-	-	P	V
		14491	42.01	-11.99	54	47.61	41.95	20.43	67.98	-	-	A	V
		15870	46.76	-27.24	74	56.92	37.48	20.77	68.41	-	-	P	V
		17989	59.42	-14.58	74	58.38	48.79	22.1	69.85	-	-	P	V
		17989	49.39	-4.61	54	48.35	48.79	22.1	69.85	-	-	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.

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		5459.6	63.31	-10.69	74	50.35	31.86	11.46	30.36	278	65	P	H
		5469.52	66.84	-1.36	68.2	53.86	31.88	11.47	30.37	278	65	P	H
		5460	50.84	-3.16	54	37.88	31.86	11.46	30.36	278	65	A	H
	*	5500	117.67	-	-	104.63	31.93	11.49	30.38	278	65	P	H
	*	5500	110.67	-	-	97.63	31.93	11.49	30.38	278	65	A	H
													H
		5457.68	55.35	-18.65	74	42.41	31.84	11.46	30.36	103	291	P	V
		5469.04	57.5	-10.7	68.2	44.53	31.87	11.47	30.37	103	291	P	V
		5457.52	46.18	-7.82	54	33.24	31.84	11.46	30.36	103	291	A	V
	*	5500	116.55	-	-	103.48	31.96	11.49	30.38	103	291	P	V
	*	5500	108.66	-	-	95.59	31.96	11.49	30.38	103	291	A	V
													V
802.11a CH 116 5580MHz		5441.92	54.5	-19.5	74	41.59	31.82	11.45	30.36	257	68	P	H
		5466.16	53.49	-14.71	68.2	40.52	31.87	11.47	30.37	257	68	P	H
		5459.68	45.84	-8.16	54	32.88	31.86	11.46	30.36	257	68	A	H
	*	5580	119.55	-	-	106.4	31.96	11.56	30.37	257	68	P	H
	*	5580	111.49	-	-	98.34	31.96	11.56	30.37	257	68	A	H
		5759.96	54.81	-13.39	68.2	41.24	32.19	11.8	30.42	257	68	P	H
		5436.88	53.59	-20.41	74	40.73	31.78	11.44	30.36	100	289	P	V
		5465.44	51.83	-16.37	68.2	38.87	31.86	11.47	30.37	100	289	P	V
		5389.12	44.51	-9.49	54	31.83	31.63	11.4	30.35	100	289	A	V
	*	5580	118.12	-	-	105.01	31.92	11.56	30.37	100	289	P	V
	*	5580	110.85	-	-	97.74	31.92	11.56	30.37	100	289	A	V
		5736.02	52.99	-15.21	68.2	39.55	32.09	11.77	30.42	100	289	P	V

802.11a CH 140 5700MHz	*	5700	116.03	-	-	102.75	31.98	11.72	30.42	100	63	P	H
	*	5700	107.93	-	-	94.65	31.98	11.72	30.42	100	63	A	H
		5727	64.55	-3.65	68.2	51.14	32.07	11.76	30.42	100	63	P	H
													H
													H
													H
	*	5700	116.73	-	-	103.45	31.98	11.72	30.42	100	63	P	V
	*	5700	108.33	-	-	95.05	31.98	11.72	30.42	100	63	A	V
		5727.64	62.13	-6.07	68.2	48.72	32.07	11.76	30.42	100	63	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	54.77	-19.23	74	65.41	40.15	17.45	68.24	289	336	P	H
		11000	46.22	-7.78	54	56.86	40.15	17.45	68.24	289	336	A	H
		12203	50.65	-23.35	74	59.78	39.25	18.67	67.05	-	-	P	H
		12203	40.03	-13.97	54	49.16	39.25	18.67	67.05	-	-	A	H
		14491	52	-22	74	57.61	41.94	20.43	67.98	-	-	P	H
		14491	41.91	-12.09	54	47.52	41.94	20.43	67.98	-	-	A	H
		16500	49.32	-18.88	68.2	57.17	39.13	21.13	68.11	-	-	P	H
		17989	58.72	-15.28	74	57.94	48.53	22.1	69.85	-	-	P	H
		17989	49.12	-4.88	54	48.34	48.53	22.1	69.85	-	-	A	H
													H
													H
802.11a CH 100 5500MHz													H
		11000	58.89	-15.11	74	69.59	40.09	17.45	68.24	212	322	P	V
		11000	49.06	-4.94	54	59.76	40.09	17.45	68.24	212	322	A	V
		11400	49.67	-24.33	74	59.95	39.92	17.86	68.06	-	-	P	V
		11400	38.93	-15.07	54	49.21	39.92	17.86	68.06	-	-	A	V
		14491	51.78	-22.22	74	57.38	41.95	20.43	67.98	-	-	P	V
		14491	41.99	-12.01	54	47.59	41.95	20.43	67.98	-	-	A	V
		16500	49.22	-18.98	68.2	56.93	39.27	21.13	68.11	-	-	P	V
		17989	60.22	-13.78	74	59.18	48.79	22.1	69.85	-	-	P	V
		17989	49.36	-4.64	54	48.32	48.79	22.1	69.85	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	55.34	-18.66	74	66.19	39.77	17.59	68.21	203	1	P	H
		11160	46.01	-7.99	54	56.86	39.77	17.59	68.21	203	1	A	H
		11752	49.37	-24.63	74	59.68	39.35	18.2	67.86	-	-	P	H
		11752	38.4	-15.6	54	48.71	39.35	18.2	67.86	-	-	A	H
		14491	51.2	-22.8	74	56.9	41.94	20.34	67.98	-	-	P	H
		14491	41.71	-12.29	54	47.41	41.94	20.34	67.98	-	-	A	H
		16740	60.28	-7.92	68.2	67.3	40.12	21.34	68.48	194	317	P	H
		17989	58.78	-15.22	74	58.17	48.53	21.93	69.85	-	-	P	H
		17989	48.93	-5.07	54	48.32	48.53	21.93	69.85	-	-	A	H
													H
													H
802.11a CH 116 5580MHz													H
		11160	56.48	-17.52	74	67.31	39.79	17.59	68.21	216	320	P	V
		11160	47.76	-6.24	54	58.59	39.79	17.59	68.21	216	320	A	V
		12126	49.3	-24.7	74	58.62	39.25	18.56	67.13	-	-	P	V
		12126	39.47	-14.53	54	48.79	39.25	18.56	67.13	-	-	A	V
		14491	51.09	-22.91	74	56.78	41.95	20.34	67.98	-	-	P	V
		14491	41.83	-12.17	54	47.52	41.95	20.34	67.98	-	-	A	V
		16740	60.85	-7.35	68.2	67.73	40.26	21.34	68.48	101	349	P	V
		17989	58.71	-15.29	74	57.84	48.79	21.93	69.85	-	-	P	V
		17989	49.1	-4.9	54	48.23	48.79	21.93	69.85	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	61.03	-12.97	74	71.22	40.01	17.86	68.06	199	357	P	H
		11400	52.25	-1.75	54	62.44	40.01	17.86	68.06	199	357	A	H
		12093	48.69	-25.31	74	58.1	39.3	18.57	67.28	-	-	P	H
		12093	39.5	-14.5	54	48.91	39.3	18.57	67.28	-	-	A	H
		14491	51.96	-22.04	74	57.57	41.94	20.43	67.98	-	-	P	H
		14491	42.01	-11.99	54	47.62	41.94	20.43	67.98	-	-	A	H
		17100	49.77	-18.43	68.2	56.58	40.41	21.52	68.74	-	-	P	H
		17978	59.21	-14.79	74	58.84	48.25	22.1	69.98	-	-	P	H
		17978	48.68	-5.32	54	48.31	48.25	22.1	69.98	-	-	A	H
													H
													H
802.11a CH 140 5700MHz													H
		11400	61.44	-12.56	74	71.72	39.92	17.86	68.06	213	337	P	V
		11400	52.98	-1.02	54	63.26	39.92	17.86	68.06	213	337	A	V
		12225	48.89	-25.11	74	58.13	39.19	18.69	67.12	-	-	P	V
		12225	39.52	-14.48	54	48.76	39.19	18.69	67.12	-	-	A	V
		14491	50.97	-23.03	74	56.57	41.95	20.43	67.98	-	-	P	V
		14491	41.92	-12.08	54	47.52	41.95	20.43	67.98	-	-	A	V
		17100	51.44	-16.76	68.2	58.13	40.53	21.52	68.74	-	-	P	V
		18000	59	-15	74	57.57	49.04	22.11	69.72	-	-	P	V
		18000	49.82	-4.18	54	48.39	49.04	22.11	69.72	-	-	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.

Band 3 - 5470~5725MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5459.44	61.61	-12.39	74	48.65	31.86	11.46	30.36	278	67	P	H
		5468.56	66.75	-1.45	68.2	53.77	31.88	11.47	30.37	278	67	P	H
		5459.76	49.53	-4.47	54	36.57	31.86	11.46	30.36	278	67	A	H
	*	5500	119.27	-	-	106.23	31.93	11.49	30.38	278	67	P	H
802.11ax	*	5500	109.49	-	-	96.45	31.93	11.49	30.38	278	67	A	H
HE20 Full		5452.72	54.5	-19.5	74	41.58	31.83	11.45	30.36	100	297	P	V
CH 100		5470	56.7	-11.5	68.2	43.72	31.88	11.47	30.37	100	297	P	V
5500MHz		5459.76	46.36	-7.64	54	33.41	31.85	11.46	30.36	100	297	A	V
	*	5500	116.65	-	-	103.58	31.96	11.49	30.38	100	297	P	V
	*	5500	108.17	-	-	95.1	31.96	11.49	30.38	100	297	A	V
													V
													V
		5432.08	52.69	-21.31	74	39.81	31.8	11.44	30.36	301	72	P	H
		5461.12	51.88	-16.32	68.2	38.92	31.86	11.46	30.36	301	72	P	H
		5443.36	44.03	-9.97	54	31.11	31.83	11.45	30.36	301	72	A	H
	*	5580	119.98	-	-	106.83	31.96	11.56	30.37	301	72	P	H
802.11ax	*	5580	109.92	-	-	96.77	31.96	11.56	30.37	301	72	A	H
HE20 Full		5760.275	54.6	-13.6	68.2	41.03	32.19	11.8	30.42	301	72	P	H
CH 116		5386.24	53.82	-20.18	74	41.15	31.62	11.4	30.35	100	294	P	V
5580MHz		5462.56	53.15	-15.05	68.2	40.2	31.86	11.46	30.37	100	294	P	V
		5393.2	44.21	-9.79	54	31.52	31.64	11.4	30.35	100	294	A	V
	*	5580	120.17	-	-	107.06	31.92	11.56	30.37	100	294	P	V
	*	5580	110.09	-	-	96.98	31.92	11.56	30.37	100	294	A	V
		5741.69	53.96	-14.24	68.2	40.49	32.11	11.78	30.42	100	294	P	V

	*	5700	117.7	-	-	104.42	31.98	11.72	30.42	103	71	P	H
	*	5700	105.49	-	-	92.21	31.98	11.72	30.42	103	71	A	H
		5731.24	63.65	-4.55	68.2	50.22	32.09	11.76	30.42	103	71	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	117.51	-	-	104.23	31.98	11.72	30.42	100	296	P	V
5700MHz	*	5700	106.93	-	-	93.65	31.98	11.72	30.42	100	296	A	V
		5725.48	62.01	-6.19	68.2	48.61	32.06	11.76	30.42	100	296	P	V
													V
													V
													V

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

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	54.75	-19.25	74	65.39	40.15	17.45	68.24	273	338	P	H
		11000	45.91	-8.09	54	56.55	40.15	17.45	68.24	273	338	A	H
		11840	48.83	-25.17	74	59.53	39.07	18.32	68.09	-	-	P	H
		11840	38.57	-15.43	54	49.27	39.07	18.32	68.09	-	-	A	H
		14491	50.74	-23.26	74	56.35	41.94	20.43	67.98	-	-	P	H
		14491	42.01	-11.99	54	47.62	41.94	20.43	67.98	-	-	A	H
		16500	50.88	-17.32	68.2	58.73	39.13	21.13	68.11	-	-	P	H
		17978	58.88	-15.12	74	58.51	48.25	22.1	69.98	-	-	P	H
		17978	48.69	-5.31	54	48.32	48.25	22.1	69.98	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	57.77	-16.23	74	68.47	40.09	17.45	68.24	222	324	P	V
5500MHz		11000	48.65	-5.35	54	59.35	40.09	17.45	68.24	222	324	A	V
		11642	49.38	-24.62	74	59.07	39.79	18.11	67.59	-	-	P	V
		11642	39.67	-14.33	54	49.36	39.79	18.11	67.59	-	-	A	V
		14491	50.65	-23.35	74	56.25	41.95	20.43	67.98	-	-	P	V
		14491	41.93	-12.07	54	47.53	41.95	20.43	67.98	-	-	A	V
		16500	50.88	-17.32	68.2	58.59	39.27	21.13	68.11	-	-	P	V
		18000	59.01	-14.99	74	57.58	49.04	22.11	69.72	-	-	P	V
		18000	49.65	-4.35	54	48.22	49.04	22.11	69.72	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	54.95	-19.05	74	65.8	39.77	17.59	68.21	194	360	P	H
		11160	45.61	-8.39	54	56.46	39.77	17.59	68.21	194	360	A	H
		11532	49.69	-24.31	74	59.29	40.1	17.97	67.67	-	-	P	H
		11532	39.53	-14.47	54	49.13	40.1	17.97	67.67	-	-	A	H
		14491	51.21	-22.79	74	56.91	41.94	20.34	67.98	-	-	P	H
		14491	41.95	-12.05	54	47.65	41.94	20.34	67.98	-	-	A	H
		16740	58.76	-9.44	68.2	65.78	40.12	21.34	68.48	400	329	P	H
		18000	59.61	-14.39	74	58.56	48.82	21.95	69.72	-	-	P	H
		18000	49.35	-4.65	54	48.3	48.82	21.95	69.72	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	56.28	-17.72	74	67.11	39.79	17.59	68.21	216	323	P	V
5580MHz		11160	47.14	-6.86	54	57.97	39.79	17.59	68.21	216	323	A	V
		11730	48.62	-25.38	74	58.9	39.32	18.17	67.77	-	-	P	V
		11730	39.04	-14.96	54	49.32	39.32	18.17	67.77	-	-	A	V
		14491	51.53	-22.47	74	57.22	41.95	20.34	67.98	-	-	P	V
		14491	41.94	-12.06	54	47.63	41.95	20.34	67.98	-	-	A	V
		16740	60.69	-7.51	68.2	67.57	40.26	21.34	68.48	198	350	P	V
		18000	59.39	-14.61	74	58.12	49.04	21.95	69.72	-	-	P	V
		18000	49.58	-4.42	54	48.31	49.04	21.95	69.72	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	60.51	-13.49	74	70.7	40.01	17.86	68.06	200	360	P	H
		11400	51.91	-2.09	54	62.1	40.01	17.86	68.06	200	360	A	H
		12060	49.06	-24.94	74	58.71	39.28	18.53	67.46	-	-	P	H
		12060	39.58	-14.42	54	49.23	39.28	18.53	67.46	-	-	A	H
		14491	51.5	-22.5	74	57.11	41.94	20.43	67.98	-	-	P	H
		14491	41.88	-12.12	54	47.49	41.94	20.43	67.98	-	-	A	H
		17100	50.59	-17.61	68.2	57.4	40.41	21.52	68.74	-	-	P	H
		17989	58.71	-15.29	74	57.93	48.53	22.1	69.85	-	-	P	H
		17989	49.18	-4.82	54	48.4	48.53	22.1	69.85	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	60.37	-13.63	74	70.65	39.92	17.86	68.06	325	338	P	V
5700MHz		11400	51.32	-2.68	54	61.6	39.92	17.86	68.06	325	338	A	V
		12071	48.56	-25.44	74	58.19	39.22	18.55	67.4	-	-	P	V
		12071	39.55	-14.45	54	49.18	39.22	18.55	67.4	-	-	A	V
		14491	51.27	-22.73	74	56.87	41.95	20.43	67.98	-	-	P	V
		14491	42.06	-11.94	54	47.66	41.95	20.43	67.98	-	-	A	V
		17100	51.05	-17.15	68.2	57.74	40.53	21.52	68.74	-	-	P	V
		17989	59.1	-14.9	74	58.06	48.79	22.1	69.85	-	-	P	V
		17989	49.38	-4.62	54	48.34	48.79	22.1	69.85	-	-	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.

Band 3 5470~5725MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5389.12	63.71	-10.29	74	50.97	31.69	11.4	30.35	259	66	P	H
		5468.08	67.95	-0.25	68.2	54.98	31.87	11.47	30.37	259	66	P	H
		5459.68	50.99	-3.01	54	38.03	31.86	11.46	30.36	259	66	A	H
	*	5510	112.66	-	-	99.62	31.92	11.5	30.38	259	66	P	H
802.11ax	*	5510	104.9	-	-	91.86	31.92	11.5	30.38	259	66	A	H
HE40 Full		5759.96	54.44	-13.76	68.2	40.87	32.19	11.8	30.42	259	66	P	H
CH 102		5457.76	55.22	-18.78	74	42.28	31.84	11.46	30.36	100	296	P	V
5510MHz		5466.88	57.35	-10.85	68.2	44.38	31.87	11.47	30.37	100	296	P	V
		5456.56	46.07	-7.93	54	33.13	31.84	11.46	30.36	100	296	A	V
	*	5510	112.51	-	-	99.43	31.96	11.5	30.38	100	296	P	V
	*	5510	103.26	-	-	90.18	31.96	11.5	30.38	100	296	A	V
		5760.905	53.24	-14.96	68.2	39.67	32.18	11.81	30.42	100	296	P	V
		5429.68	61.78	-12.22	74	48.91	31.79	11.44	30.36	245	70	P	H
		5467.6	56.25	-11.95	68.2	43.28	31.87	11.47	30.37	245	70	P	H
		5459.2	46.47	-7.53	54	33.51	31.86	11.46	30.36	245	70	A	H
	*	5550	114.63	-	-	101.55	31.9	11.54	30.36	245	70	P	H
802.11ax	*	5550	106.4	-	-	93.32	31.9	11.54	30.36	245	70	A	H
HE40 Full		5759.96	54.61	-13.59	68.2	41.04	32.19	11.8	30.42	245	70	P	H
CH 110		5456.32	55.17	-18.83	74	42.23	31.84	11.46	30.36	100	297	P	V
5550MHz		5467.84	55.79	-12.41	68.2	42.82	31.87	11.47	30.37	100	297	P	V
		5455.12	46.34	-7.66	54	33.4	31.84	11.46	30.36	100	297	A	V
	*	5542	114.31	-	-	101.19	31.95	11.53	30.36	100	297	P	V
	*	5554	106.02	-	-	92.9	31.94	11.54	30.36	100	297	A	V
		5742.95	55.37	-12.83	68.2	41.9	32.11	11.78	30.42	100	297	P	V

		5443.45	53.72	-20.28	74	40.8	31.83	11.45	30.36	100	72	P	H
		5467.6	51.53	-16.67	68.2	38.56	31.87	11.47	30.37	100	72	P	H
		5459.9	43.77	-10.23	54	30.81	31.86	11.46	30.36	100	72	A	H
	*	5670	114.13	-	-	100.89	31.97	11.68	30.41	100	72	P	H
802.11ax	*	5670	104.16	-	-	90.92	31.97	11.68	30.41	100	72	A	H
HE40 Full	*	5670	103.38	-	-	90.14	31.97	11.68	30.41	100	72	A	H
CH 134		5446.25	53.57	-20.43	74	40.67	31.81	11.45	30.36	100	60	P	V
5670MHz		5462.35	53.63	-14.57	68.2	40.67	31.86	11.46	30.36	100	60	P	V
		5459.9	43.79	-10.21	54	30.84	31.85	11.46	30.36	100	60	A	V
	*	5670	114.93	-	-	101.72	31.94	11.68	30.41	100	60	P	V
	*	5670	105.01	-	-	91.8	31.94	11.68	30.41	100	60	A	V
	*	5670	105.18	-	-	91.97	31.94	11.68	30.41	100	60	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	50.64	-23.36	74	61.25	40.13	17.46	68.2	210	353	P	H
		11020	43.33	-10.67	54	53.94	40.13	17.46	68.2	210	353	A	H
		11631	49.34	-24.66	74	58.98	39.84	18.1	67.58	-	-	P	H
		11631	39.42	-14.58	54	49.06	39.84	18.1	67.58	-	-	A	H
		14491	50.84	-23.16	74	56.45	41.94	20.43	67.98	-	-	P	H
		14491	42.02	-11.98	54	47.63	41.94	20.43	67.98	-	-	A	H
		16530	48.49	-19.71	68.2	56.4	39.24	21.15	68.3	-	-	P	H
		18000	59.08	-14.92	74	57.87	48.82	22.11	69.72	-	-	P	H
		18000	49.5	-4.5	54	48.29	48.82	22.11	69.72	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	53.93	-20.07	74	64.62	40.05	17.46	68.2	215	325	P	V
5510MHz		11020	45.43	-8.57	54	56.12	40.05	17.46	68.2	215	325	A	V
		12115	49.43	-24.57	74	58.78	39.24	18.59	67.18	-	-	P	V
		12115	39.83	-14.17	54	49.18	39.24	18.59	67.18	-	-	A	V
		14491	51.83	-22.17	74	57.43	41.95	20.43	67.98	-	-	P	V
		14491	41.89	-12.11	54	47.49	41.95	20.43	67.98	-	-	A	V
		16530	47.94	-20.26	68.2	55.72	39.37	21.15	68.3	-	-	P	V
		17989	59.24	-14.76	74	58.2	48.79	22.1	69.85	-	-	P	V
		17989	49.2	-4.8	54	48.16	48.79	22.1	69.85	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	53.98	-20.02	74	64.63	39.92	17.55	68.12	211	353	P	H
		11100	45	-9	54	55.65	39.92	17.55	68.12	211	353	A	H
		12170	49.83	-24.17	74	58.96	39.27	18.63	67.03	-	-	P	H
		12170	39.95	-14.05	54	49.08	39.27	18.63	67.03	-	-	A	H
		14491	51.43	-22.57	74	57.04	41.94	20.43	67.98	-	-	P	H
		14491	41.88	-12.12	54	47.49	41.94	20.43	67.98	-	-	A	H
		16650	53.95	-14.25	68.2	61.74	39.7	21.23	68.72	196	360	P	H
		17989	58.97	-15.03	74	58.19	48.53	22.1	69.85	-	-	P	H
		17989	49	-5	54	48.22	48.53	22.1	69.85	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	54.61	-19.39	74	65.34	39.84	17.55	68.12	220	338	P	V
5550MHz		11100	46.62	-7.38	54	57.35	39.84	17.55	68.12	220	338	A	V
		12060	49.3	-24.7	74	59.02	39.21	18.53	67.46	-	-	P	V
		12060	39.1	-14.9	54	48.82	39.21	18.53	67.46	-	-	A	V
		14491	51.44	-22.56	74	57.04	41.95	20.43	67.98	-	-	P	V
		14491	42.08	-11.92	54	47.68	41.95	20.43	67.98	-	-	A	V
		16650	56.32	-11.88	68.2	63.93	39.88	21.23	68.72	100	349	P	V
		17989	59.67	-14.33	74	58.63	48.79	22.1	69.85	-	-	P	V
		17989	49.41	-4.59	54	48.37	48.79	22.1	69.85	-	-	A	V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	55.31	-18.69	74	65.88	39.87	17.8	68.24	201	360	P	H
		11340	47.94	-6.06	54	58.51	39.87	17.8	68.24	201	360	A	H
		11884	49.73	-24.27	74	60.4	39.09	18.36	68.12	-	-	P	H
		11884	38.44	-15.56	54	49.11	39.09	18.36	68.12	-	-	A	H
		14491	50.72	-23.28	74	56.33	41.94	20.43	67.98	-	-	P	H
		14491	42	-12	54	47.61	41.94	20.43	67.98	-	-	A	H
		17010	49.64	-18.56	68.2	56.53	40.44	21.46	68.79	-	-	P	H
		17989	59.18	-14.82	74	58.4	48.53	22.1	69.85	-	-	P	H
		17989	49.18	-4.82	54	48.4	48.53	22.1	69.85	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	57	-17	74	67.63	39.81	17.8	68.24	203	339	P	V
5670MHz		11340	48.82	-5.18	54	59.45	39.81	17.8	68.24	203	339	A	V
		12159	49.39	-24.61	74	58.52	39.28	18.62	67.03	-	-	P	V
		12159	40.16	-13.84	54	49.29	39.28	18.62	67.03	-	-	A	V
		14491	51.53	-22.47	74	57.13	41.95	20.43	67.98	-	-	P	V
		14491	42.21	-11.79	54	47.81	41.95	20.43	67.98	-	-	A	V
		17010	49.6	-18.6	68.2	56.37	40.56	21.46	68.79	-	-	P	V
		17989	59.29	-14.71	74	58.25	48.79	22.1	69.85	-	-	P	V
		17989	49.4	-4.6	54	48.36	48.79	22.1	69.85	-	-	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.

Band 3 5470~5725MHz

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5456.56	62.13	-11.87	74	49.17	31.86	11.46	30.36	285	71	P	H
		5469.76	63.09	-5.11	68.2	50.11	31.88	11.47	30.37	285	71	P	H
		5459.44	52.74	-1.26	54	39.78	31.86	11.46	30.36	285	71	A	H
	*	5530	108.35	-	-	95.29	31.91	11.52	30.37	285	71	P	H
802.11ax	*	5530	99.25	-	-	86.19	31.91	11.52	30.37	285	71	A	H
HE80 Full		5738.855	53.2	-15	68.2	39.74	32.11	11.77	30.42	285	71	P	H
CH 106		5440.48	56.92	-17.08	74	44.05	31.79	11.44	30.36	102	298	P	V
5530MHz		5460.16	57.69	-10.51	68.2	44.74	31.85	11.46	30.36	102	298	P	V
		5459.92	48.74	-5.26	54	35.79	31.85	11.46	30.36	102	298	A	V
	*	5530	108.17	-	-	95.07	31.95	11.52	30.37	102	298	P	V
	*	5530	99.35	-	-	86.25	31.95	11.52	30.37	102	298	A	V
		5743.265	53.38	-14.82	68.2	39.9	32.12	11.78	30.42	102	298	P	V
		5458.5	55.73	-18.27	74	42.77	31.86	11.46	30.36	254	69	P	H
		5467.25	56.97	-11.23	68.2	44	31.87	11.47	30.37	254	69	P	H
		5459.55	48.55	-5.45	54	35.59	31.86	11.46	30.36	254	69	A	H
	*	5610	113.81	-	-	100.6	32	11.59	30.38	254	69	P	H
802.11ax	*	5610	104.03	-	-	90.82	32	11.59	30.38	254	69	A	H
HE80 Full		5731.05	63.63	-4.57	68.2	50.2	32.09	11.76	30.42	254	69	P	H
CH 122		5458.15	55.19	-18.81	74	42.25	31.84	11.46	30.36	100	56	P	V
5610MHz		5469	55.95	-12.25	68.2	42.98	31.87	11.47	30.37	100	56	P	V
		5458.15	46.91	-7.09	54	33.97	31.84	11.46	30.36	100	56	A	V
	*	5610	111.86	-	-	98.74	31.91	11.59	30.38	100	56	P	V
	*	5610	101.36	-	-	88.24	31.91	11.59	30.38	100	56	A	V
		5727.725	65.56	-2.64	68.2	52.15	32.07	11.76	30.42	100	56	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	46.88	-27.12	74	57.44	40.07	17.51	68.14	-	-	P	H
		12181	49.5	-24.5	74	58.64	39.26	18.64	67.04	-	-	P	H
		12181	40.12	-13.88	54	49.26	39.26	18.64	67.04	-	-	A	H
		14491	50.88	-23.12	74	56.49	41.94	20.43	67.98	-	-	P	H
		14491	42.05	-11.95	54	47.66	41.94	20.43	67.98	-	-	A	H
		16590	48.83	-19.37	68.2	56.78	39.47	21.19	68.61	-	-	P	H
		18000	59.46	-14.54	74	58.25	48.82	22.11	69.72	-	-	P	H
		18000	49.6	-4.4	54	48.39	48.82	22.11	69.72	-	-	A	H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	47.56	-26.44	74	58.23	39.96	17.51	68.14	-	-	P	V
5530MHz		11697	49.13	-24.87	74	59.14	39.48	18.16	67.65	-	-	P	V
		11697	39.13	-14.87	54	49.14	39.48	18.16	67.65	-	-	A	V
		14491	51.81	-22.19	74	57.41	41.95	20.43	67.98	-	-	P	V
		14491	42.02	-11.98	54	47.62	41.95	20.43	67.98	-	-	A	V
		16590	48.65	-19.55	68.2	56.48	39.59	21.19	68.61	-	-	P	V
		18000	58.92	-15.08	74	57.49	49.04	22.11	69.72	-	-	P	V
		18000	49.71	-4.29	54	48.28	49.04	22.11	69.72	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	52.58	-21.42	74	63.48	39.72	17.67	68.29	197	359	P	H
		11220	43.24	-10.76	54	54.14	39.72	17.67	68.29	197	359	A	H
		12489	48.95	-25.05	74	58.7	38.43	18.93	67.11	-	-	P	H
		12489	39.3	-14.7	54	49.05	38.43	18.93	67.11	-	-	A	H
		14491	50.88	-23.12	74	56.49	41.94	20.43	67.98	-	-	P	H
		14491	42.15	-11.85	54	47.76	41.94	20.43	67.98	-	-	A	H
		16830	49.37	-18.83	68.2	56.12	40.42	21.34	68.51	-	-	P	H
		18000	58.78	-15.22	74	57.57	48.82	22.11	69.72	-	-	P	H
		18000	49.55	-4.45	54	48.34	48.82	22.11	69.72	-	-	A	H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	51.83	-22.17	74	62.8	39.65	17.67	68.29	216	339	P	V
5610MHz		11220	43.18	-10.82	54	54.15	39.65	17.67	68.29	216	339	A	V
		12038	48.41	-25.59	74	58.28	39.19	18.51	67.57	-	-	P	V
		12038	39.16	-14.84	54	49.03	39.19	18.51	67.57	-	-	A	V
		14491	51.26	-22.74	74	56.86	41.95	20.43	67.98	-	-	P	V
		14491	42.01	-11.99	54	47.61	41.95	20.43	67.98	-	-	A	V
		16830	50.74	-17.46	68.2	57.36	40.55	21.34	68.51	-	-	P	V
		18000	59.23	-14.77	74	57.8	49.04	22.11	69.72	-	-	P	V
		18000	49.74	-4.26	54	48.31	49.04	22.11	69.72	-	-	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.

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5458.42	53.57	-20.43	74	40.61	31.86	11.46	30.36	244	65	P	H
		5465.83	52.43	-15.77	68.2	39.46	31.87	11.47	30.37	244	65	P	H
		5453.35	45.03	-8.97	54	32.08	31.85	11.46	30.36	244	65	A	H
	*	5720	116.56	-	-	103.18	32.05	11.75	30.42	244	65	P	H
	*	5720	108.35	-	-	94.97	32.05	11.75	30.42	244	65	A	H
		5881.62	53.81	-14.39	68.2	39.88	32.47	11.95	30.49	244	65	P	H
		5442.04	52.24	-21.76	74	39.35	31.8	11.45	30.36	100	63	P	V
		5469.34	51.55	-16.65	68.2	38.57	31.88	11.47	30.37	100	63	P	V
		5437.36	44.41	-9.59	54	31.55	31.78	11.44	30.36	100	63	A	V
	*	5720	116.21	-	-	102.84	32.04	11.75	30.42	100	63	P	V
	*	5720	108.03	-	-	94.66	32.04	11.75	30.42	100	63	A	V
		5856.14	53.98	-14.22	68.2	40.05	32.48	11.92	30.47	100	63	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	60.11	-13.89	74	70.05	40.09	17.88	67.91	210	357	P	H
		11440	51.82	-2.18	54	61.76	40.09	17.88	67.91	210	357	A	H
		11807	49.31	-24.69	74	59.9	39.17	18.26	68.02	-	-	P	H
		11807	38.2	-15.8	54	48.79	39.17	18.26	68.02	-	-	A	H
		14491	51.73	-22.27	74	57.43	41.94	20.34	67.98	-	-	P	H
		14491	41.9	-12.1	54	47.6	41.94	20.34	67.98	-	-	A	H
		17160	50.69	-17.51	68.2	57.4	40.47	21.54	68.72	-	-	P	H
		18000	59.4	-14.6	74	58.35	48.82	21.95	69.72	-	-	P	H
		18000	49.33	-4.67	54	48.28	48.82	21.95	69.72	-	-	A	H
													H
													H
802.11a CH 144 5720MHz													H
		11440	62.58	-11.42	74	72.58	40.03	17.88	67.91	219	323	P	V
		11440	53.41	-0.59	54	63.41	40.03	17.88	67.91	219	323	A	V
		11620	49.66	-24.34	74	59.3	39.88	18.06	67.58	-	-	P	V
		11620	39.13	-14.87	54	48.77	39.88	18.06	67.58	-	-	A	V
		14491	51.39	-22.61	74	57.08	41.95	20.34	67.98	-	-	P	V
		14491	41.99	-12.01	54	47.68	41.95	20.34	67.98	-	-	A	V
		17160	51.33	-16.87	68.2	57.87	40.64	21.54	68.72	-	-	P	V
		17989	59.5	-14.5	74	58.63	48.79	21.93	69.85	-	-	P	V
		17989	49.23	-4.77	54	48.36	48.79	21.93	69.85	-	-	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.

Band 3 - Straddle Channel

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		5435.41	53.86	-20.14	74	40.97	31.81	11.44	30.36	247	64	P	H
		5461.93	52.93	-15.27	68.2	39.97	31.86	11.46	30.36	247	64	P	H
		5445.16	44.93	-9.07	54	32.01	31.83	11.45	30.36	247	64	A	H
	*	5720	119.89	-	-	106.51	32.05	11.75	30.42	247	64	P	H
	*	5720	109.59	-	-	96.21	32.05	11.75	30.42	247	64	A	H
		5920.62	54.73	-13.47	68.2	40.7	32.53	12	30.5	247	64	P	H
		5407.33	52.72	-21.28	74	39.96	31.69	11.42	30.35	100	64	P	V
		5465.44	51.55	-16.65	68.2	38.59	31.86	11.47	30.37	100	64	P	V
		5448.28	44.29	-9.71	54	31.38	31.82	11.45	30.36	100	64	A	V
	*	5720	119.86	-	-	106.49	32.04	11.75	30.42	100	64	P	V
	*	5720	108.55	-	-	95.18	32.04	11.75	30.42	100	64	A	V
		5895.4	54.37	-13.83	68.2	40.38	32.52	11.97	30.5	100	64	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	61.91	-12.09	74	71.85	40.09	17.88	67.91	200	356	P	H
		11440	52.66	-1.34	54	62.6	40.09	17.88	67.91	200	356	A	H
		11950	49.62	-24.38	74	60.09	39.13	18.4	68	-	-	P	H
		11950	37.09	-16.91	54	47.56	39.13	18.4	68	-	-	A	H
		14491	51.41	-22.59	74	57.11	41.94	20.34	67.98	-	-	P	H
		14491	41.88	-12.12	54	47.58	41.94	20.34	67.98	-	-	A	H
		17160	50.69	-17.51	68.2	57.4	40.47	21.54	68.72	-	-	P	H
		18000	58.7	-15.3	74	57.65	48.82	21.95	69.72	-	-	P	H
		18000	49.06	-4.94	54	48.01	48.82	21.95	69.72	-	-	A	H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	63	-11	74	73	40.03	17.88	67.91	214	321	P	V
5720MHz		11440	53.62	-0.38	54	63.62	40.03	17.88	67.91	214	321	A	V
		12137	49.35	-24.65	74	58.6	39.26	18.57	67.08	-	-	P	V
		12137	39.3	-14.7	54	48.55	39.26	18.57	67.08	-	-	A	V
		14491	51.38	-22.62	74	57.07	41.95	20.34	67.98	-	-	P	V
		14491	41.91	-12.09	54	47.6	41.95	20.34	67.98	-	-	A	V
		17160	50.88	-17.32	68.2	57.42	40.64	21.54	68.72	-	-	P	V
		17989	58.98	-15.02	74	58.11	48.79	21.93	69.85	-	-	P	V
		17989	49.01	-4.99	54	48.14	48.79	21.93	69.85	-	-	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.

Band 3 - Straddle Channel

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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		5399.14	54.11	-19.89	74	41.33	31.72	11.41	30.35	250	64	P	H
		5464.27	54.5	-13.7	68.2	41.54	31.87	11.46	30.37	250	64	P	H
		5450.23	45.32	-8.68	54	32.39	31.84	11.45	30.36	250	64	A	H
	*	5710	117.65	-	-	104.33	32.01	11.73	30.42	250	64	P	H
	*	5710	108.52	-	-	95.2	32.01	11.73	30.42	250	64	A	H
		5851.2	53.99	-14.21	68.2	40.07	32.47	11.92	30.47	250	64	P	H
		5458.03	53.63	-20.37	74	40.69	31.84	11.46	30.36	100	63	P	V
		5463.88	52.28	-15.92	68.2	39.33	31.86	11.46	30.37	100	63	P	V
		5445.55	44.11	-9.89	54	31.21	31.81	11.45	30.36	100	63	A	V
	*	5710	116.83	-	-	103.51	32.01	11.73	30.42	100	63	P	V
	*	5710	107.19	-	-	93.87	32.01	11.73	30.42	100	63	A	V
		5912.82	56.08	-12.12	68.2	42.05	32.54	11.99	30.5	100	63	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	58.36	-15.64	74	68.41	40.05	17.88	67.98	200	355	P	H
		11420	51.11	-2.89	54	61.16	40.05	17.88	67.98	200	355	A	H
		12236	48.6	-25.4	74	57.9	39.16	18.7	67.16	-	-	P	H
		12236	39.86	-14.14	54	49.16	39.16	18.7	67.16	-	-	A	H
		14491	51.69	-22.31	74	57.3	41.94	20.43	67.98	-	-	P	H
		14491	42.01	-11.99	54	47.62	41.94	20.43	67.98	-	-	A	H
		17130	50.13	-18.07	68.2	56.89	40.43	21.54	68.73	-	-	P	H
		18000	59.26	-14.74	74	58.05	48.82	22.11	69.72	-	-	P	H
		18000	49.95	-4.05	54	48.74	48.82	22.11	69.72	-	-	A	H
													H
802.11ax													H
HE40 Full													H
CH 142		11420	58.76	-15.24	74	68.88	39.98	17.88	67.98	198	337	P	V
5710MHz		11420	51.27	-2.73	54	61.39	39.98	17.88	67.98	198	337	A	V
		11939	48.67	-25.33	74	59.16	39.13	18.41	68.03	-	-	P	V
		11939	38.55	-15.45	54	49.04	39.13	18.41	68.03	-	-	A	V
		14491	51.7	-22.3	74	57.3	41.95	20.43	67.98	-	-	P	V
		14491	41.84	-12.16	54	47.44	41.95	20.43	67.98	-	-	A	V
		17130	50.63	-17.57	68.2	57.24	40.58	21.54	68.73	-	-	P	V
		18000	59.41	-14.59	74	57.98	49.04	22.11	69.72	-	-	P	V
		18000	49.78	-4.22	54	48.35	49.04	22.11	69.72	-	-	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.

Band 3 Straddle Channel

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

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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)
		5456.86	55.21	-18.79	74	42.25	31.86	11.46	30.36	102	64	P	H
		5470	54.03	-14.17	68.2	41.05	31.88	11.47	30.37	102	64	P	H
		5458.81	46.74	-7.26	54	33.78	31.86	11.46	30.36	102	64	A	H
	*	5690	112.75	-	-	99.49	31.97	11.71	30.42	102	64	P	H
802.11ax	*	5690	103.98	-	-	90.72	31.97	11.71	30.42	102	64	A	H
HE80 Full		5850.16	61.9	-6.3	68.2	47.98	32.47	11.92	30.47	102	64	P	H
CH 138		5429.56	54.25	-19.75	74	41.41	31.76	11.44	30.36	100	57	P	V
5690MHz		5463.49	52.66	-15.54	68.2	39.71	31.86	11.46	30.37	100	57	P	V
		5455.3	45.37	-8.63	54	32.43	31.84	11.46	30.36	100	57	A	V
	*	5690	115.43	-	-	102.17	31.97	11.71	30.42	100	57	P	V
	*	5690	103.99	-	-	90.73	31.97	11.71	30.42	100	57	A	V
		5850.16	60.3	-7.9	68.2	46.38	32.47	11.92	30.47	100	57	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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	55.31	-18.69	74	65.64	39.96	17.83	68.12	207	354	P	H
		11380	48.16	-5.84	54	58.49	39.96	17.83	68.12	207	354	A	H
		12060	49.07	-24.93	74	58.72	39.28	18.53	67.46	-	-	P	H
		12060	39.66	-14.34	54	49.31	39.28	18.53	67.46	-	-	A	H
		14491	50.81	-23.19	74	56.42	41.94	20.43	67.98	-	-	P	H
		14491	42.1	-11.9	54	47.71	41.94	20.43	67.98	-	-	A	H
		17070	49.34	-18.86	68.2	56.19	40.4	21.5	68.75	-	-	P	H
		17989	58.76	-15.24	74	57.98	48.53	22.1	69.85	-	-	P	H
		17989	49.03	-4.97	54	48.25	48.53	22.1	69.85	-	-	A	H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	56.44	-17.56	74	66.85	39.88	17.83	68.12	215	337	P	V
5690MHz		11380	48.58	-5.42	54	58.99	39.88	17.83	68.12	215	337	A	V
		12126	49.22	-24.78	74	58.5	39.25	18.6	67.13	-	-	P	V
		12126	40.06	-13.94	54	49.34	39.25	18.6	67.13	-	-	A	V
		14491	51.08	-22.92	74	56.68	41.95	20.43	67.98	-	-	P	V
		14491	41.81	-12.19	54	47.41	41.95	20.43	67.98	-	-	A	V
		17070	49.28	-18.92	68.2	56.01	40.52	21.5	68.75	-	-	P	V
		17945	59.42	-14.58	74	59.91	47.79	22.07	70.35	-	-	P	V
		17945	47.97	-6.03	54	48.46	47.79	22.07	70.35	-	-	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 above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full SHF		39776	51.81	-22.19	74	37.33	44.56	23.78	53.86	-	-	P	H
		39776	41.9	-12.1	54	27.42	44.56	23.78	53.86	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39314	51.8	-22.2	74	37.26	44.91	23.57	53.94	-	-	P	V
		39314	41.85	-12.15	54	27.31	44.91	23.57	53.94	-	-	A	V
													V
													V
													V
													V
													V
													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.

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI Ant. 1+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (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 LF		129.91	32.05	-11.45	43.5	44.9	17.7	1.85	32.4	-	-	P	H
		166.77	33.86	-9.64	43.5	48.23	15.92	2.11	32.4	-	-	P	H
		181.32	34.64	-8.86	43.5	49.92	14.9	2.22	32.4	-	-	P	H
		311.3	33.29	-12.71	46	43.52	19.33	2.88	32.44	-	-	P	H
		500.45	36.83	-9.17	46	41.96	23.8	3.66	32.59	-	-	P	H
		749.74	39.86	-6.14	46	39.54	28.09	4.63	32.4	-	-	P	H
													H
													H
													H
													H
													H
													H
		55.22	31.22	-8.78	40	50.26	12.16	1.23	32.43	-	-	P	V
		123.12	34.98	-8.52	43.5	48	17.6	1.79	32.41	-	-	P	V
		188.11	32.27	-11.23	43.5	47.62	14.8	2.25	32.4	-	-	P	V
		279.29	30.06	-15.94	46	41.05	18.7	2.73	32.42	-	-	P	V
		500.45	37.14	-8.86	46	42.27	23.8	3.66	32.59	-	-	P	V
		749.74	38.76	-7.24	46	38.44	28.09	4.63	32.4	-	-	P	V
													V
													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 and emission level has at least 6dB margin against limit 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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	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. Marrgin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

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. Marrgin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

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. Marrgin (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

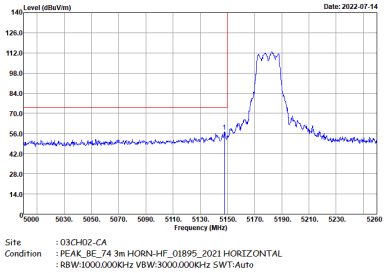
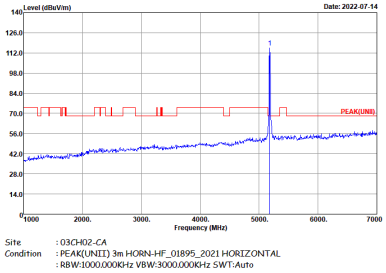
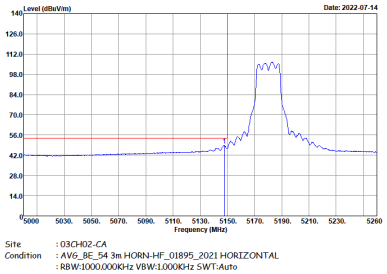
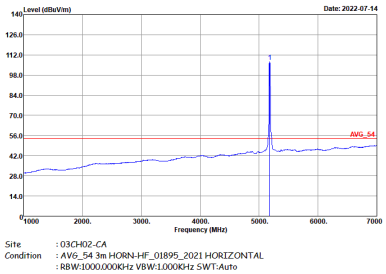
Test Engineer :	Fu Chen	**Temperature :**	20~25°C
		Relative Humidity :	41~48%

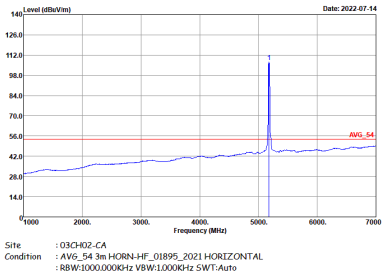
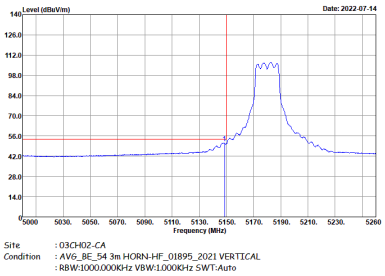
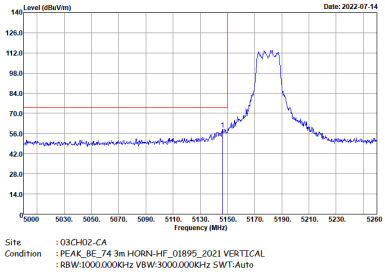
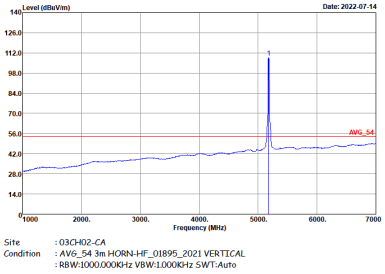
Note symbol

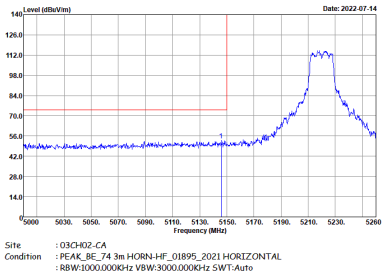
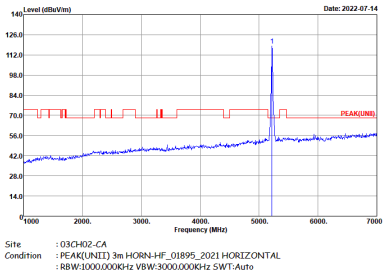
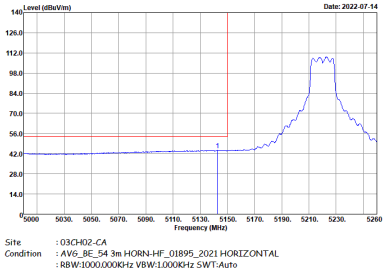
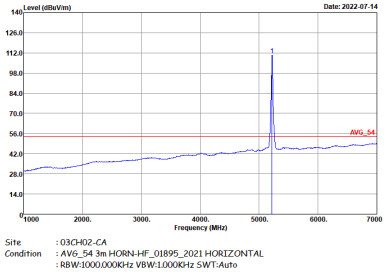
-L	**Low channel location**
-R	**High channel location**

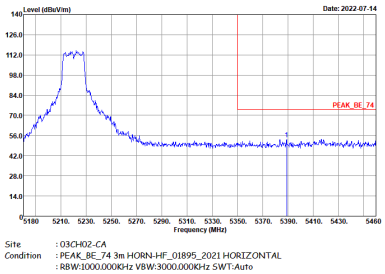
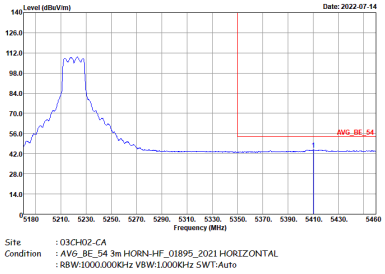
Band 1 - 5150~5250MHz

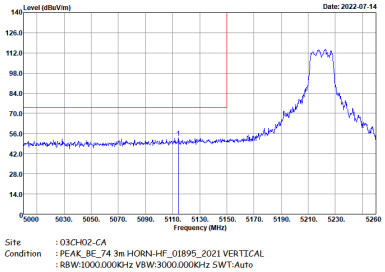
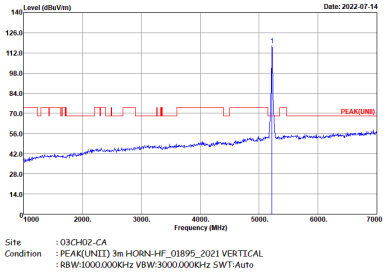
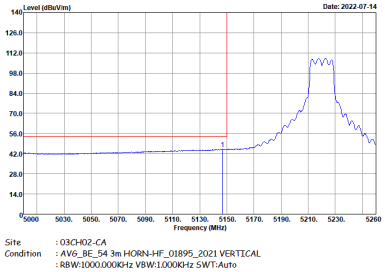
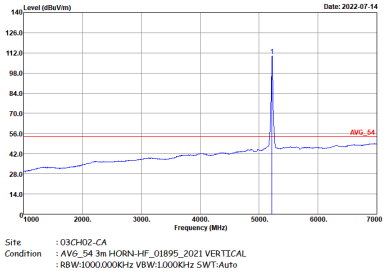
WIFI 802.11a (Band Edge @ 3m)

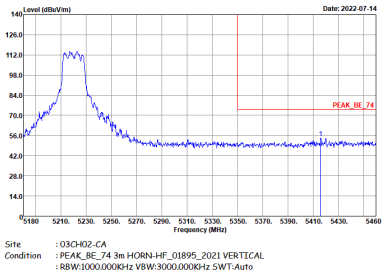
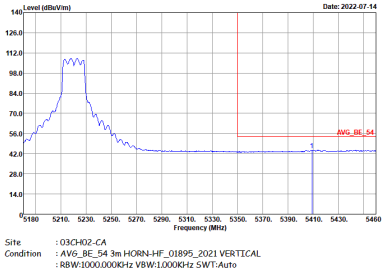
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+3	Horizontal	Fundamental
Peak		
Avg.		

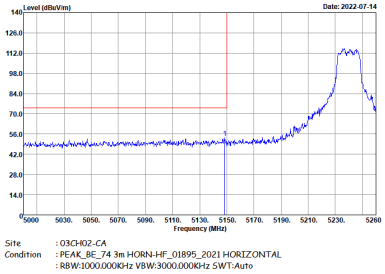
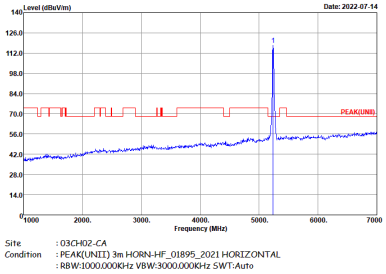
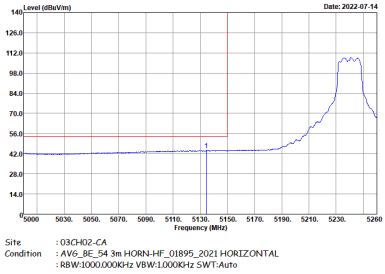
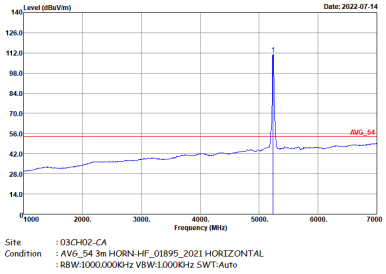
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+3	Vertical	Fundamental
Peak		
Avg.		

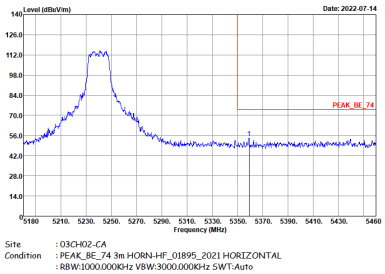
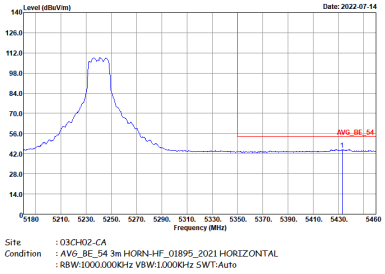
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

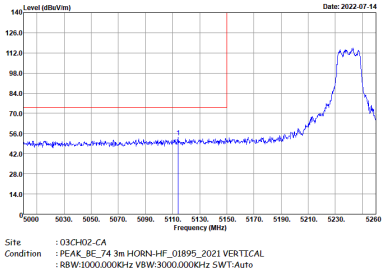
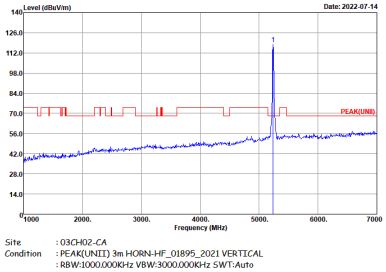
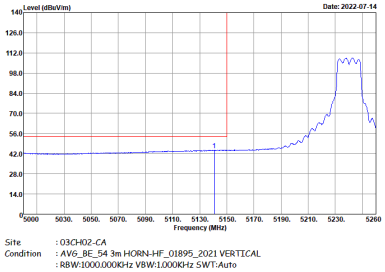
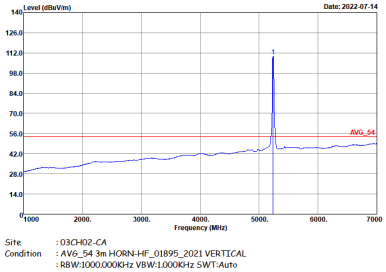
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

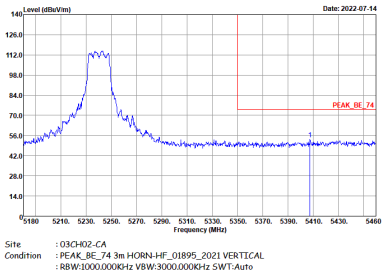
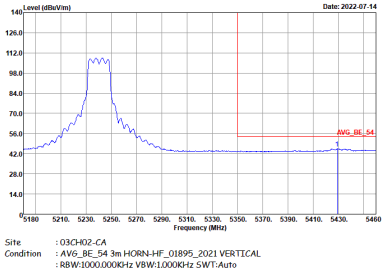
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

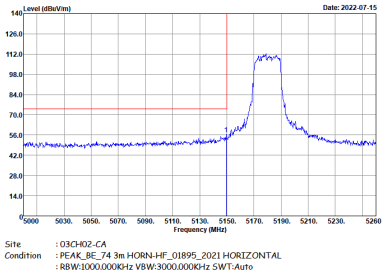
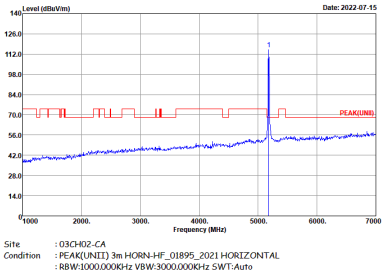
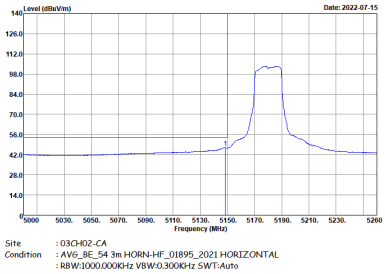
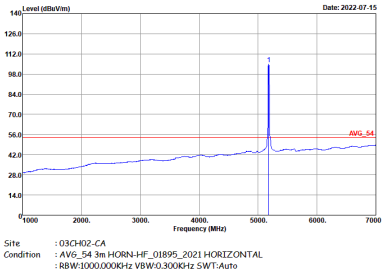
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

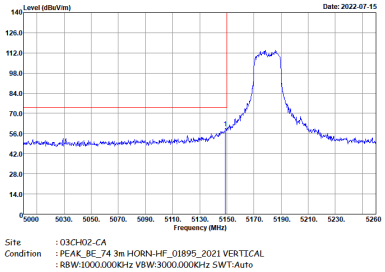
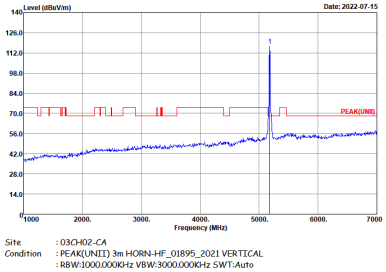
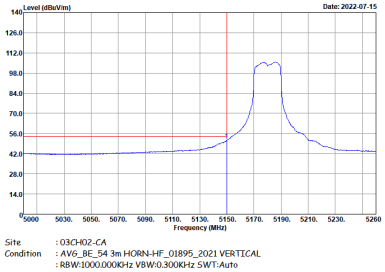
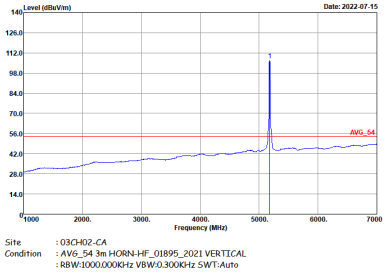
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

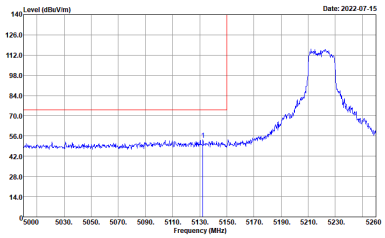
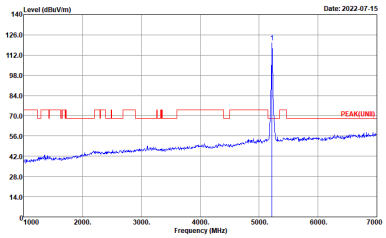
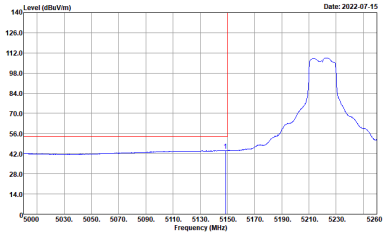
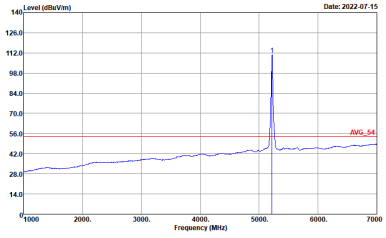
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

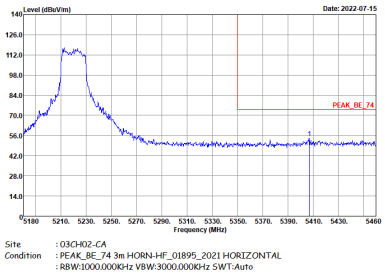
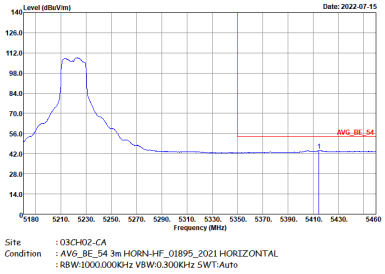
Band 1 5150~5250MHz

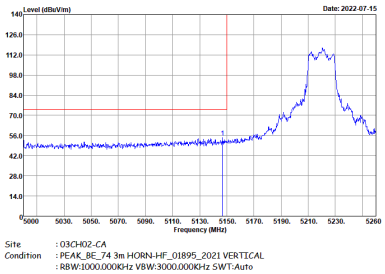
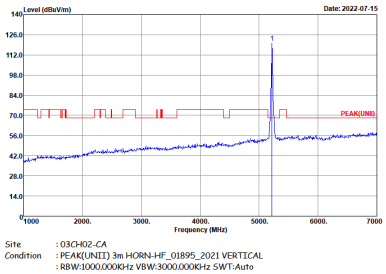
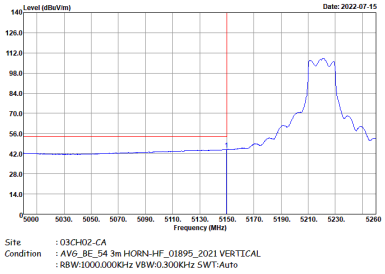
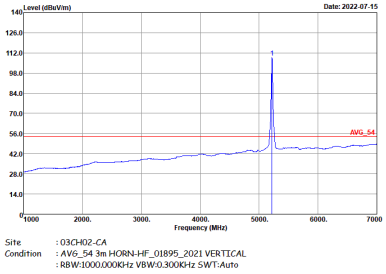
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

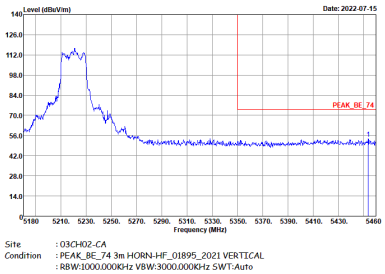
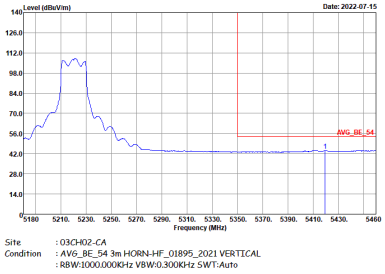
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+3	Horizontal	Fundamental
Peak		
Avg.		

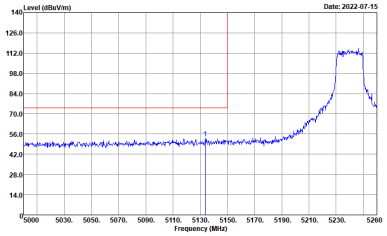
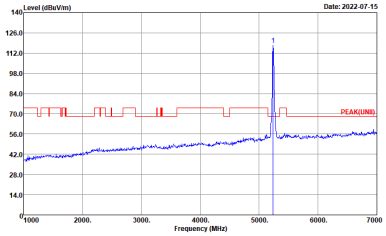
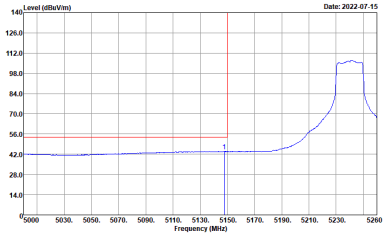
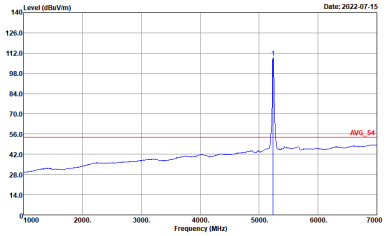
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto

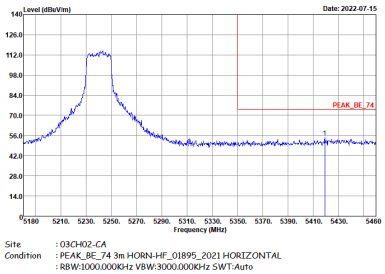
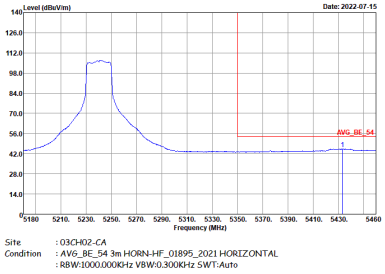
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

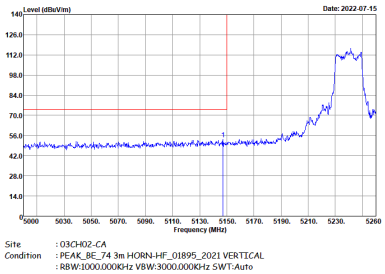
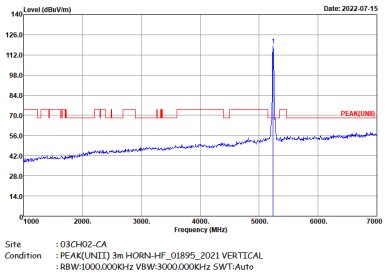
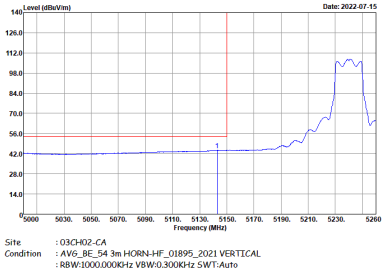
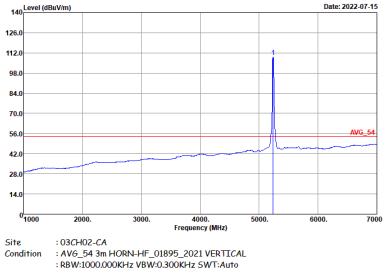
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

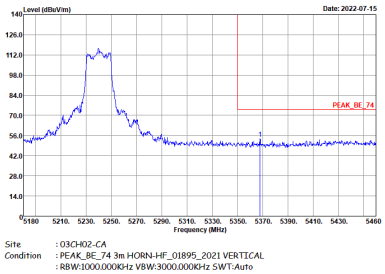
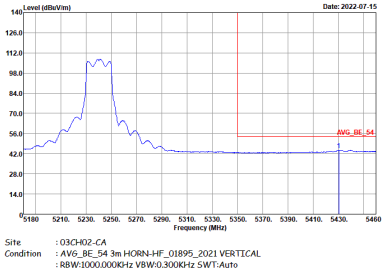
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto

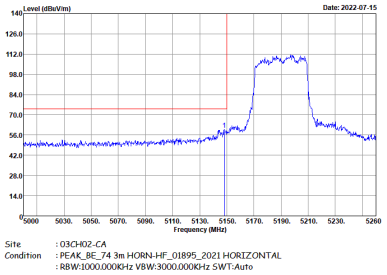
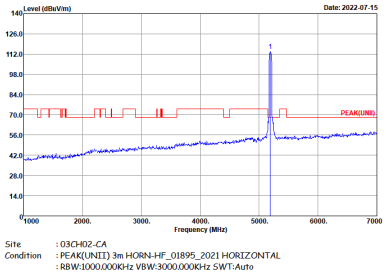
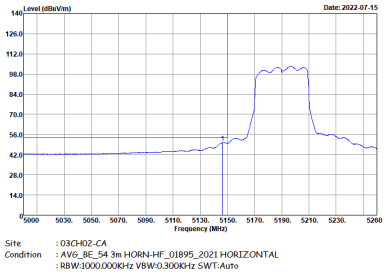
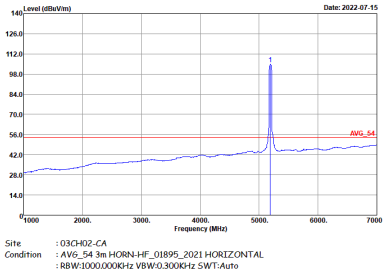
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

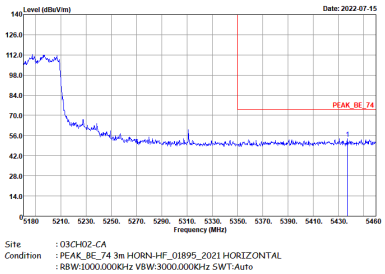
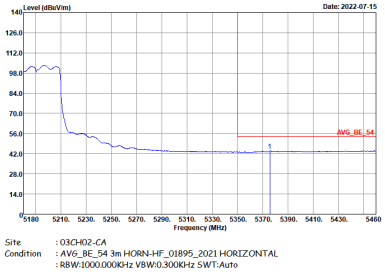
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

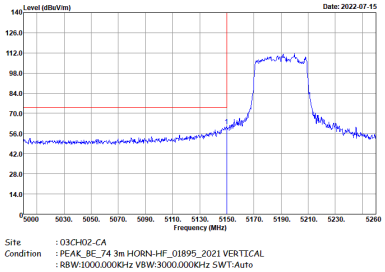
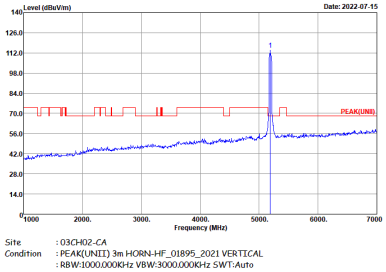
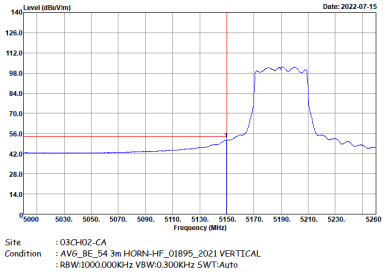
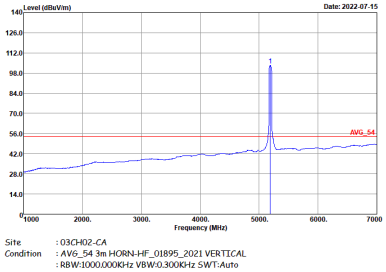
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

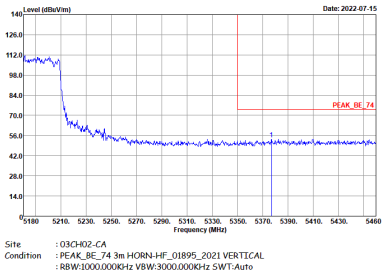
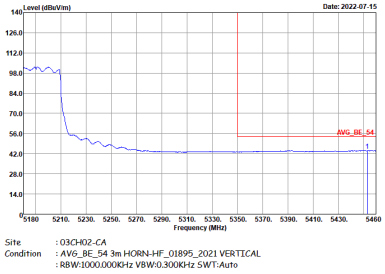
Band 1 5150~5250MHz

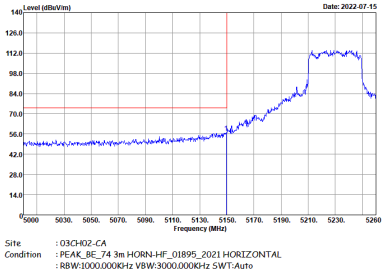
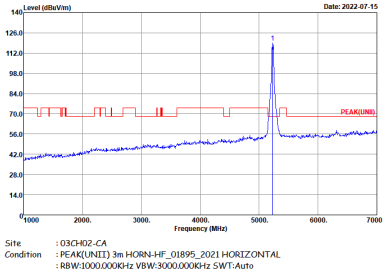
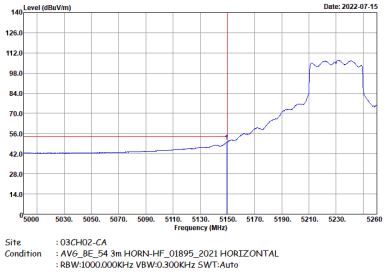
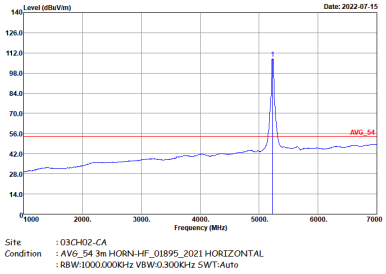
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

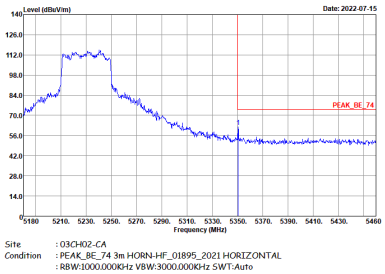
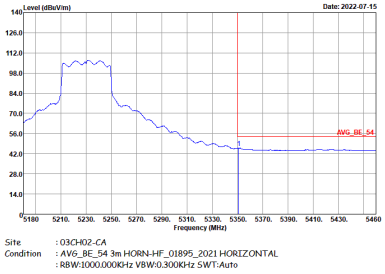
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

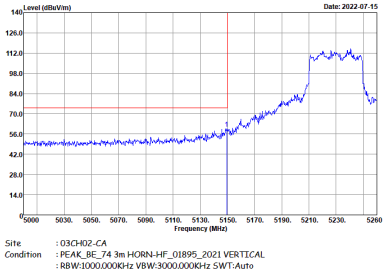
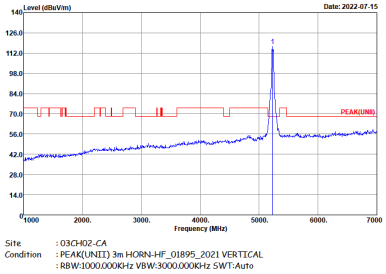
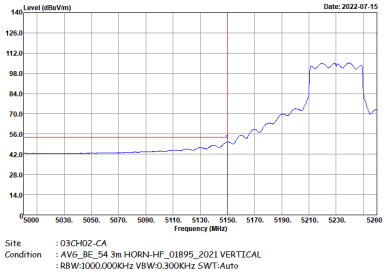
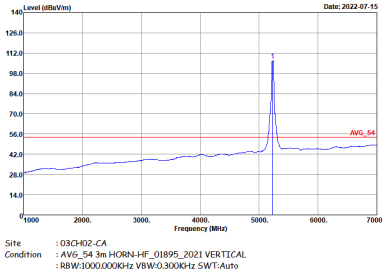
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

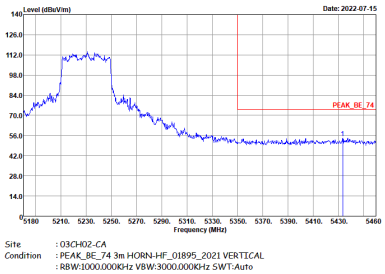
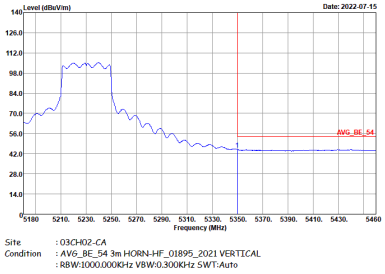
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

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

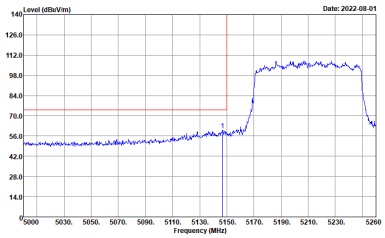
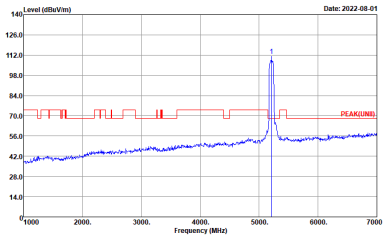
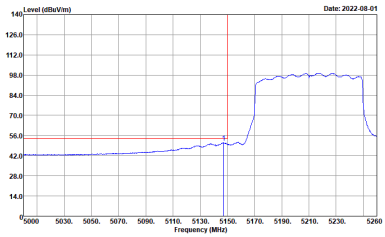
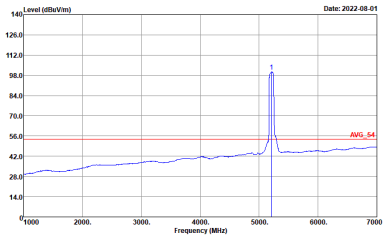
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

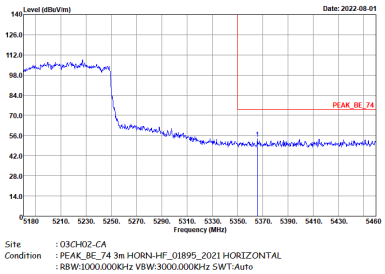
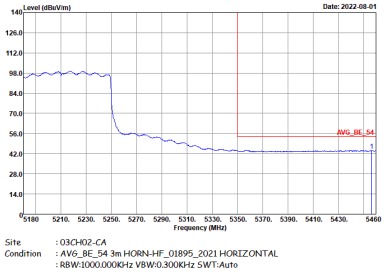
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

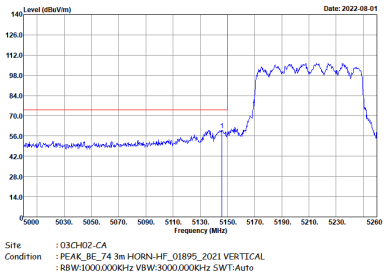
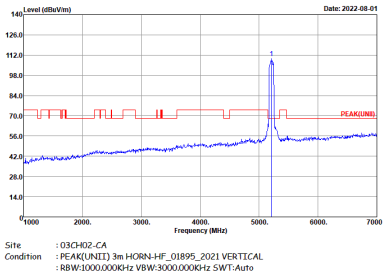
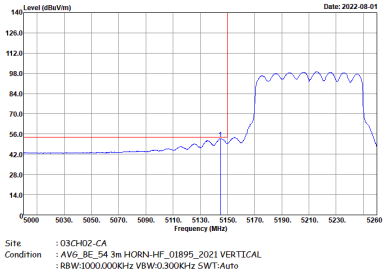
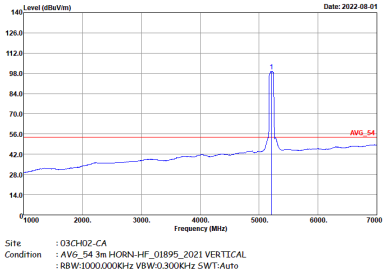
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

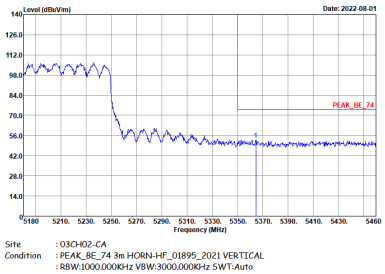
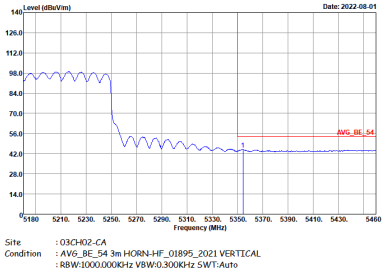
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

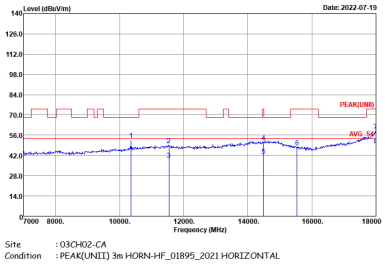
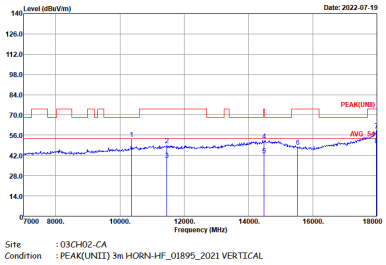
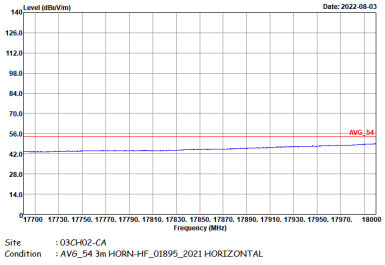
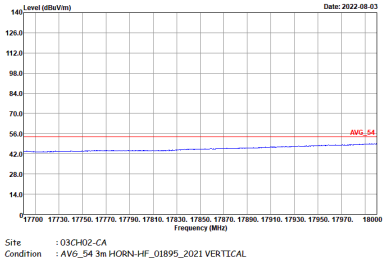
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

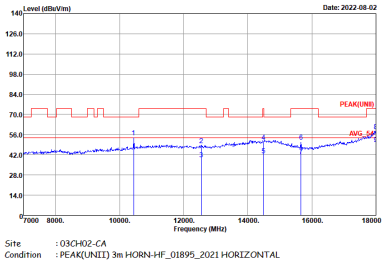
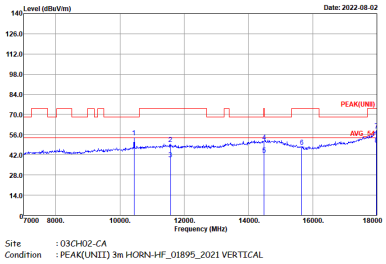
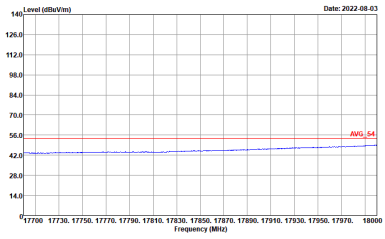
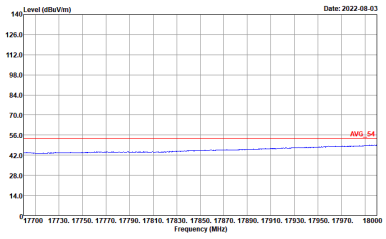
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

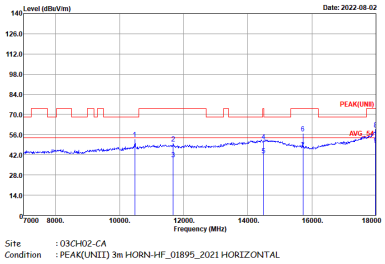
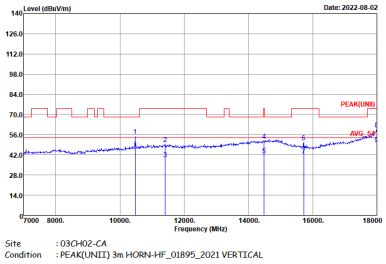
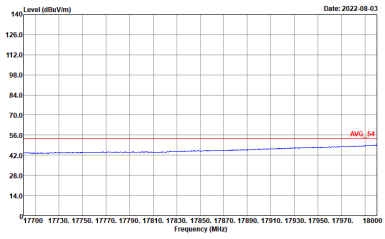
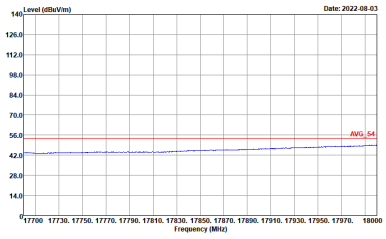
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

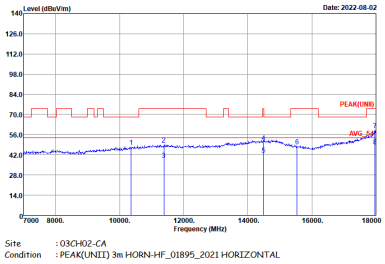
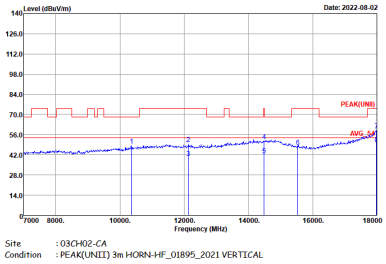
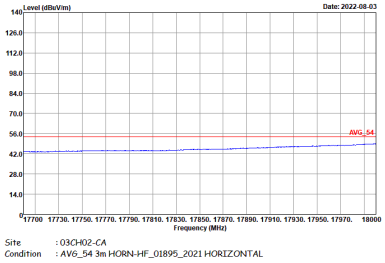
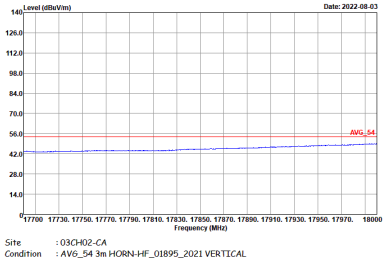
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+3	Horizontal	Vertical
Peak Avg.		
Avg.		

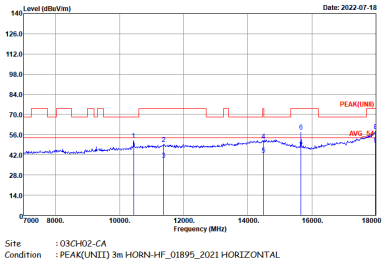
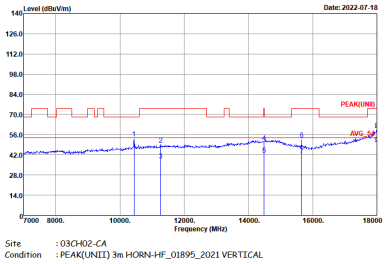
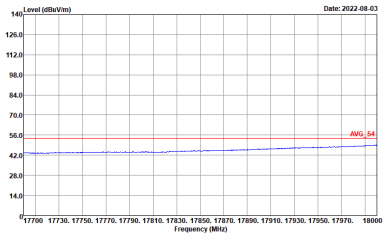
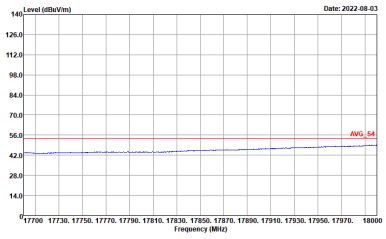
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

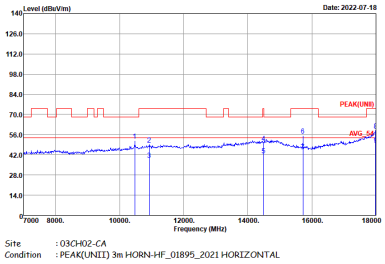
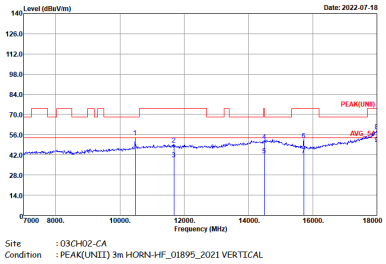
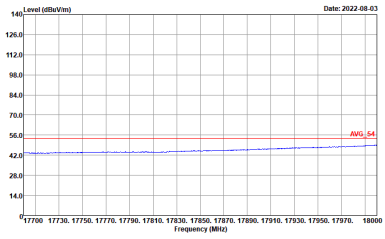
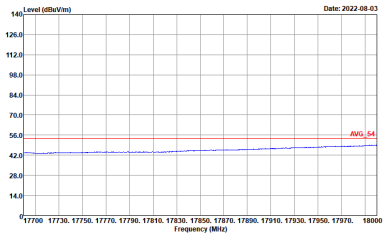
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

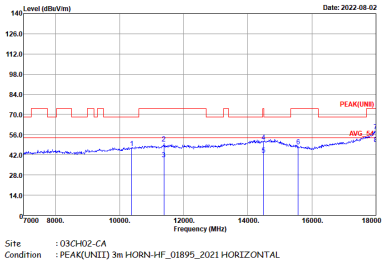
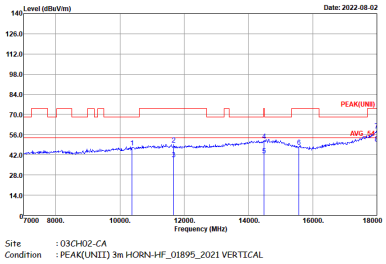
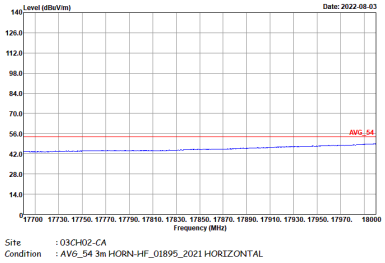
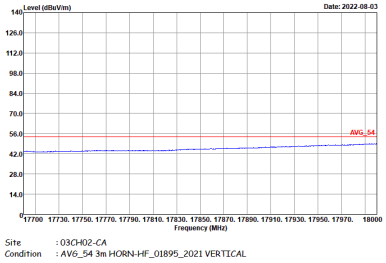
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+3	Horizontal	Vertical
Peak Avg.		
Avg.		

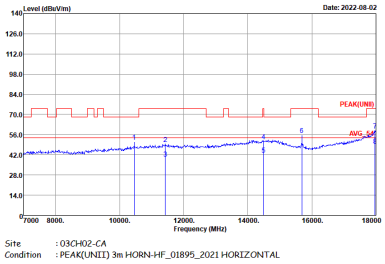
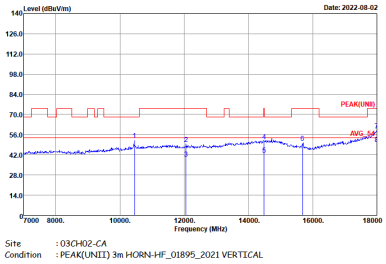
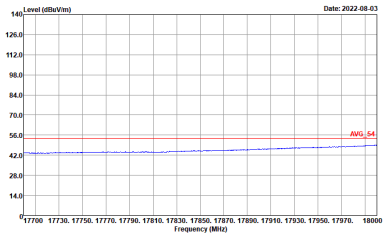
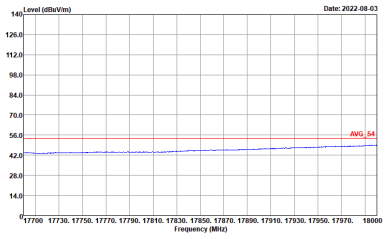
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

Band 1 5150~5250MHz

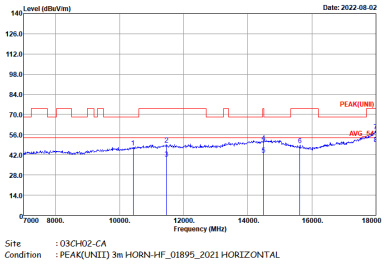
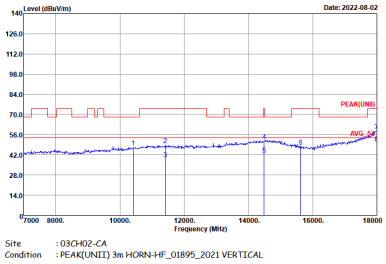
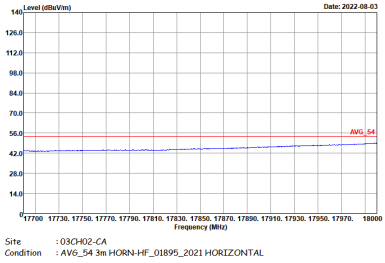
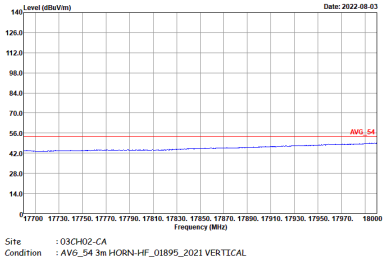
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

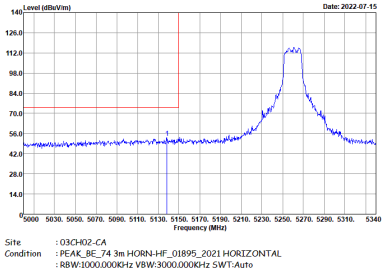
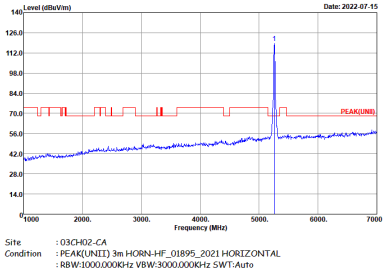
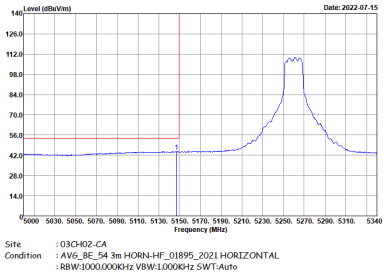
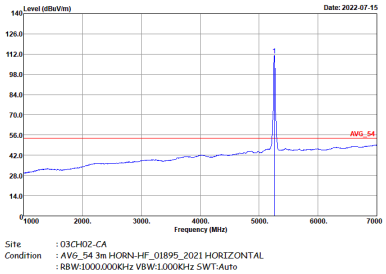
Band 1 5150~5250MHz

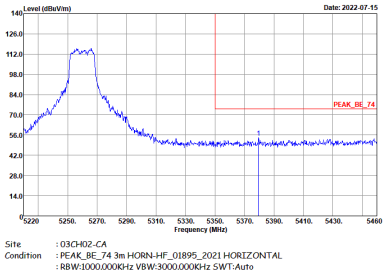
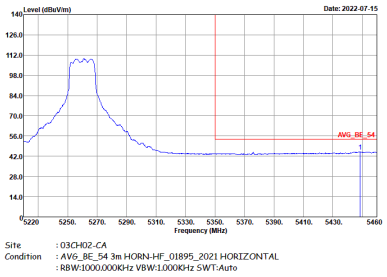
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

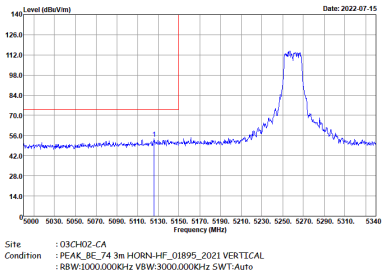
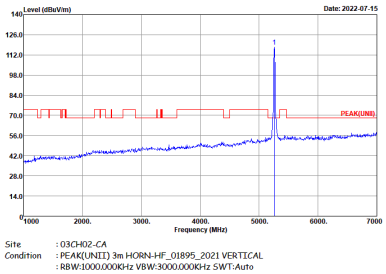
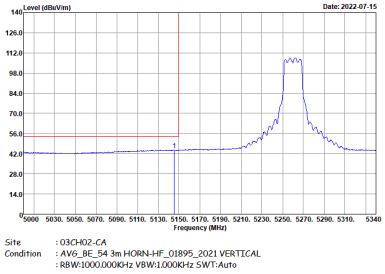
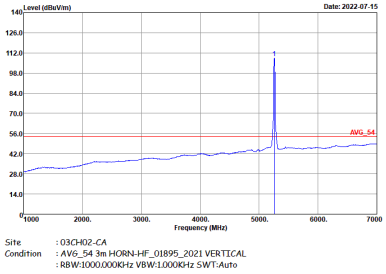
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+3	Horizontal	Vertical
Peak Avg.		
Avg.		

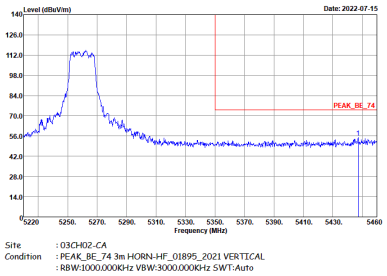
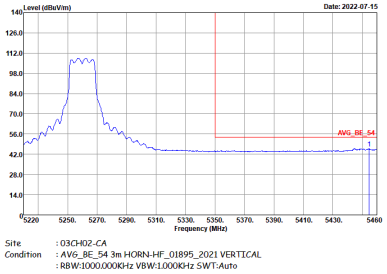
Band 2 - 5250~5350MHz

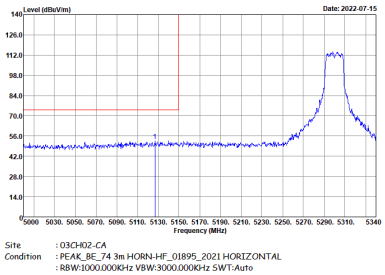
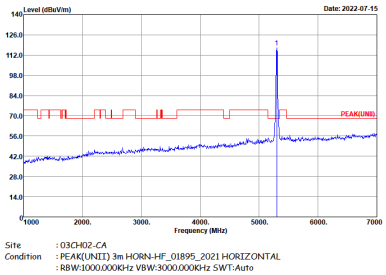
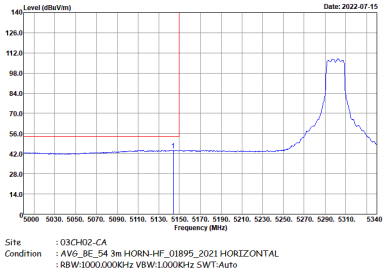
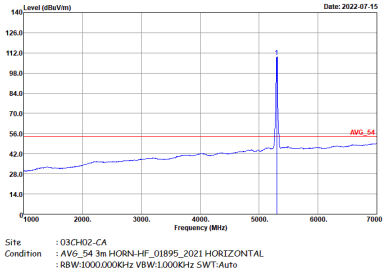
WIFI 802.11a (Band Edge @ 3m)

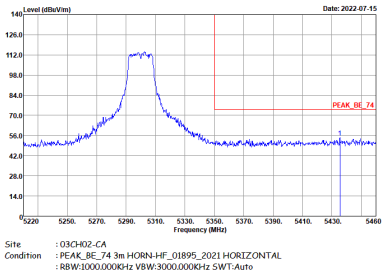
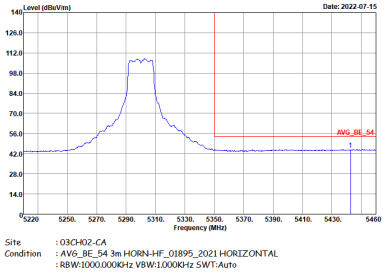
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

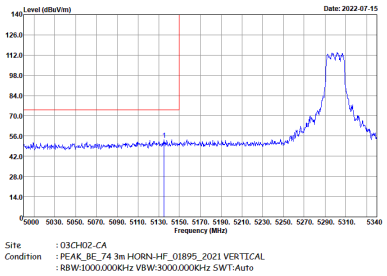
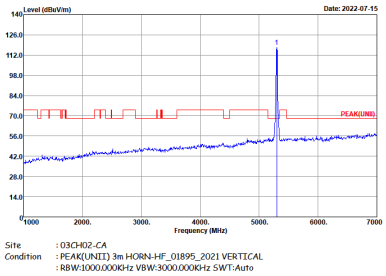
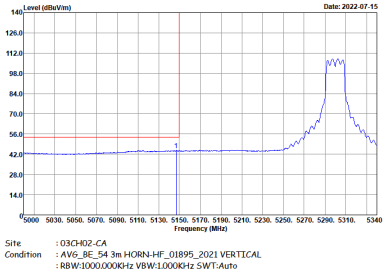
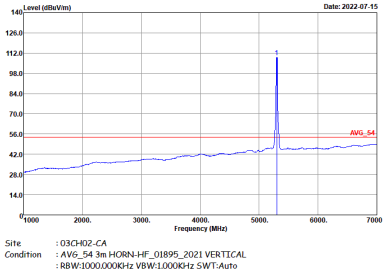
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

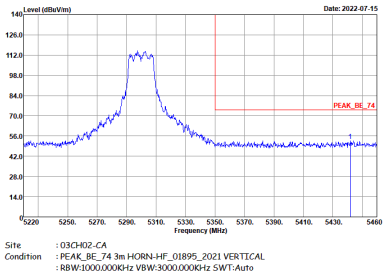
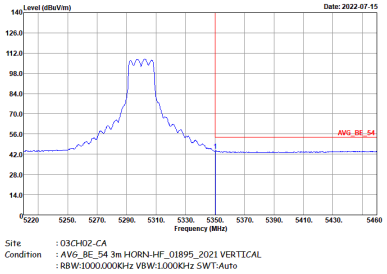
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

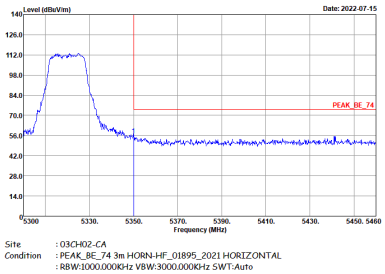
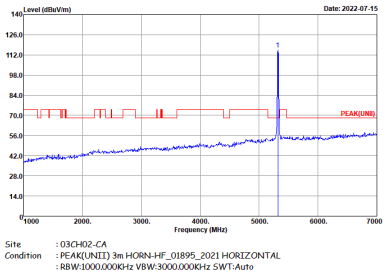
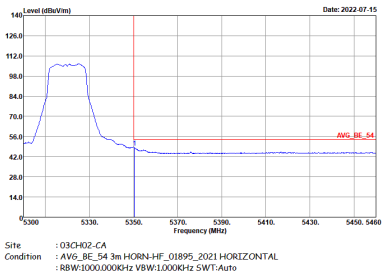
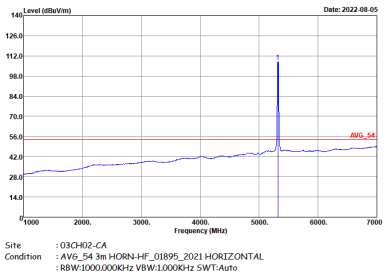
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

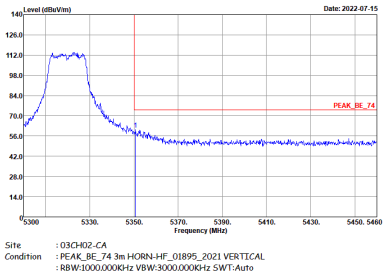
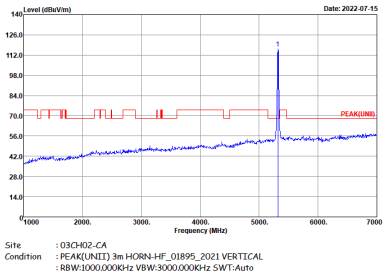
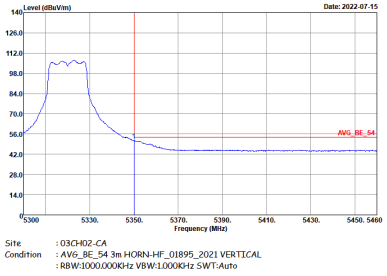
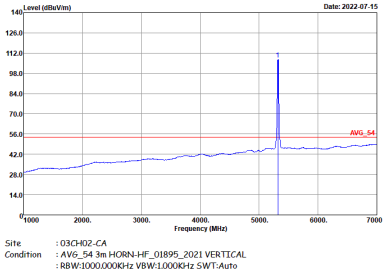
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

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

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

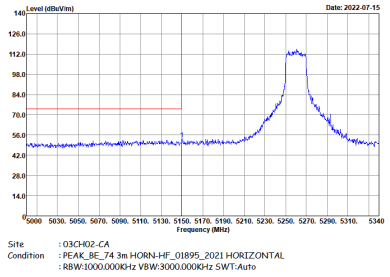
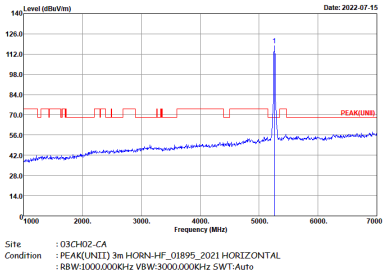
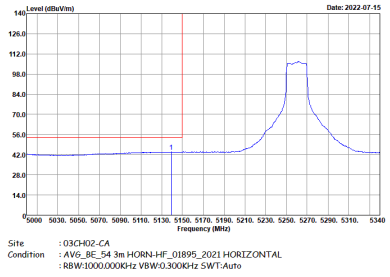
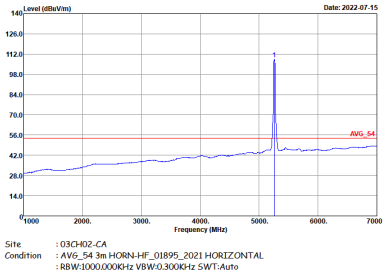
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

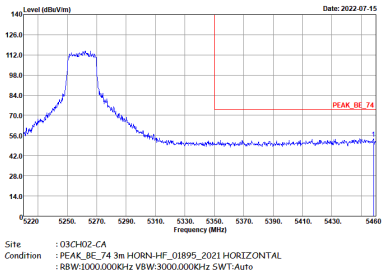
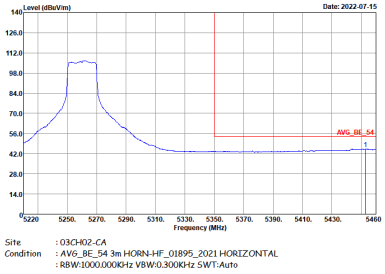
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

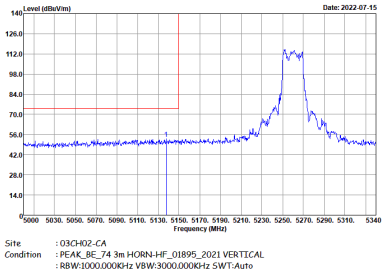
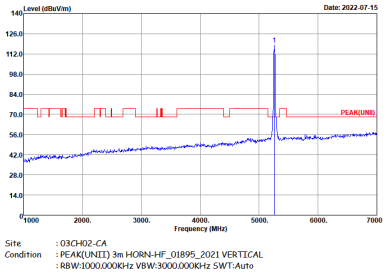
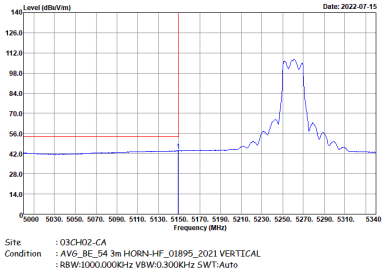
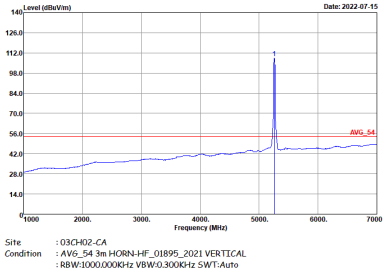
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

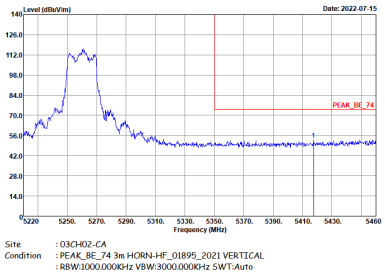
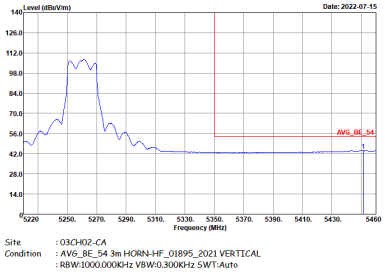
Band 2 5250~5350MHz

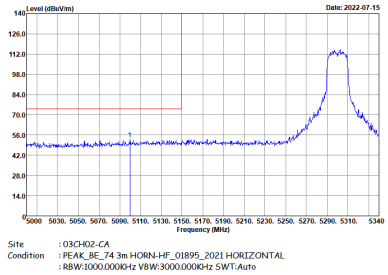
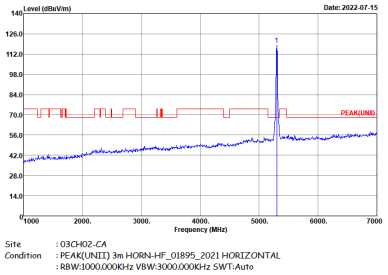
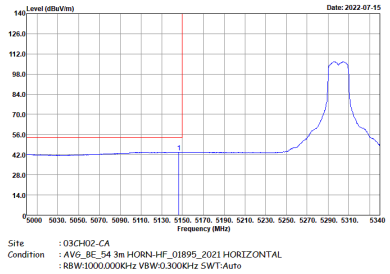
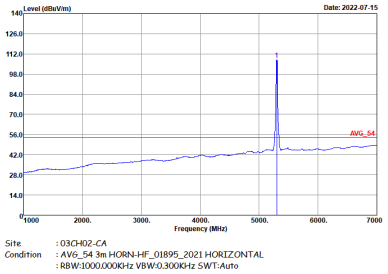
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

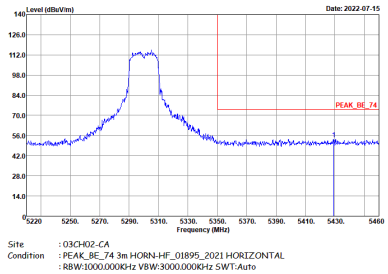
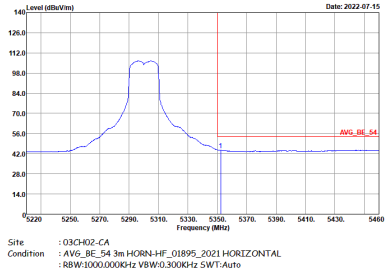
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

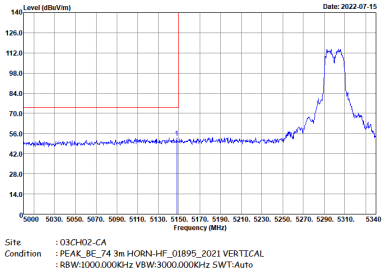
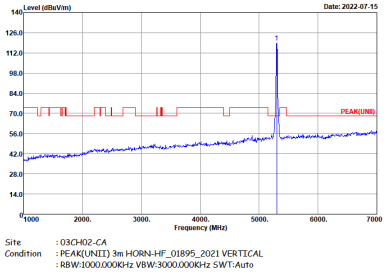
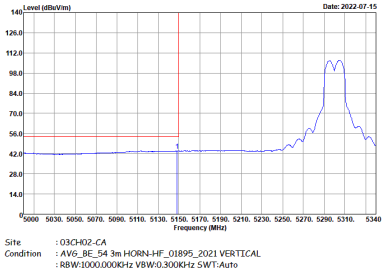
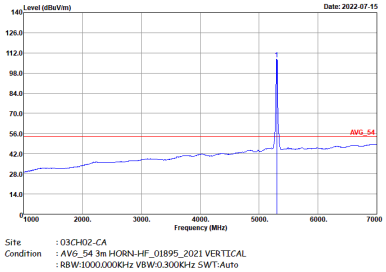
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

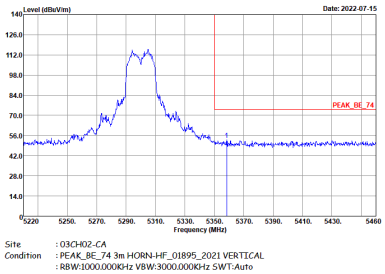
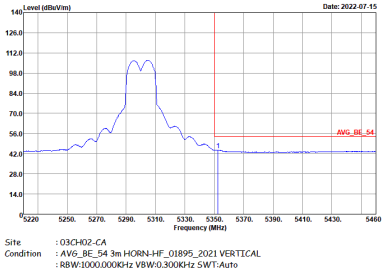
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

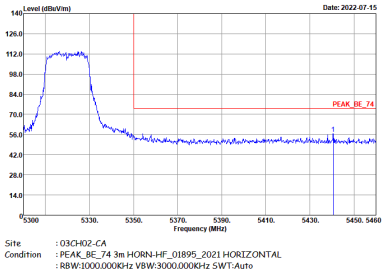
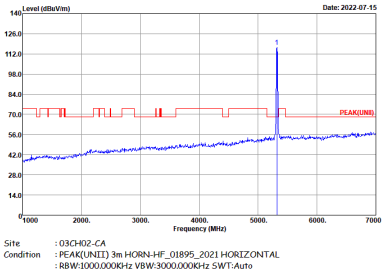
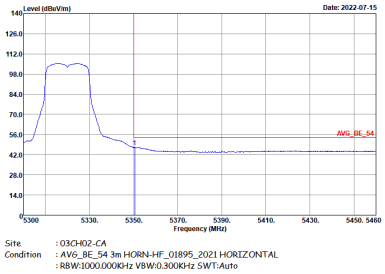
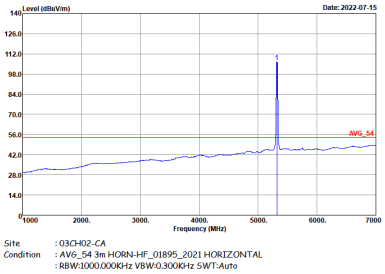
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

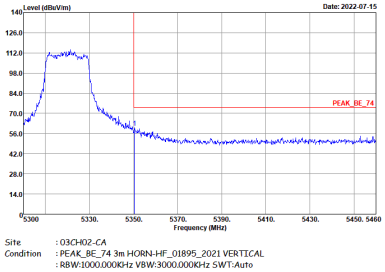
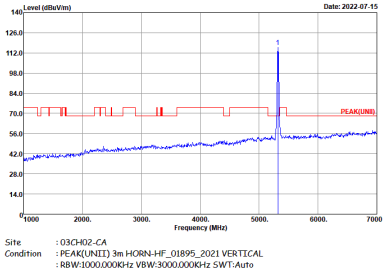
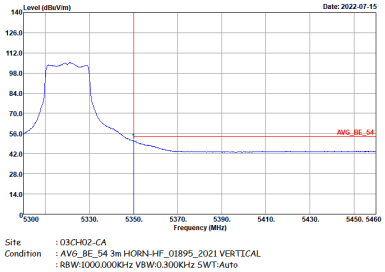
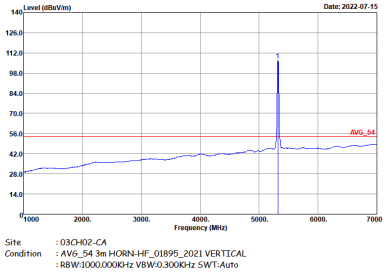
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

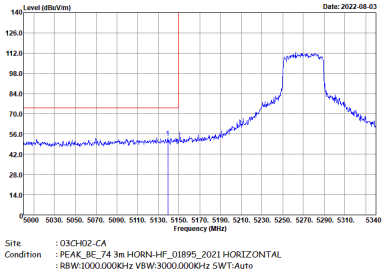
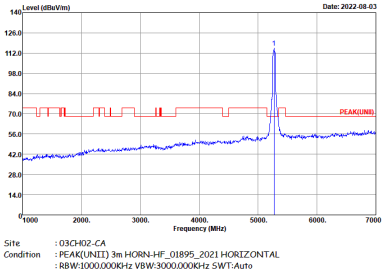
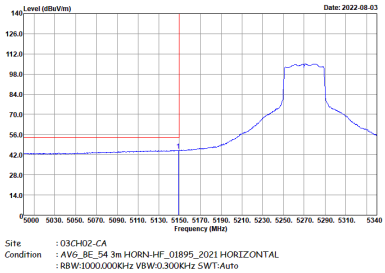
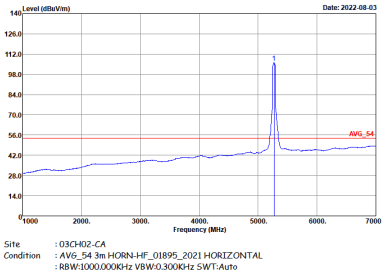
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

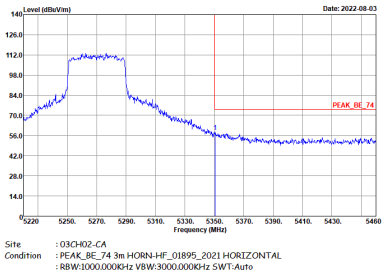
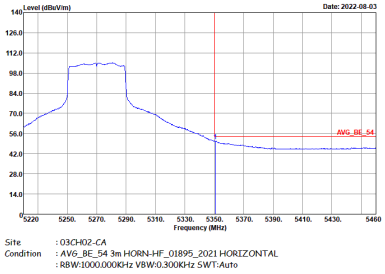
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+3	Horizontal	Fundamental
Peak		
Avg.		

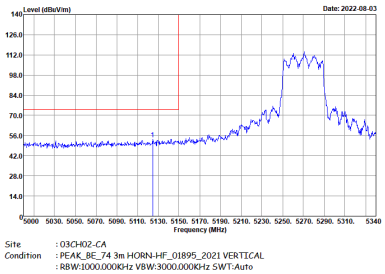
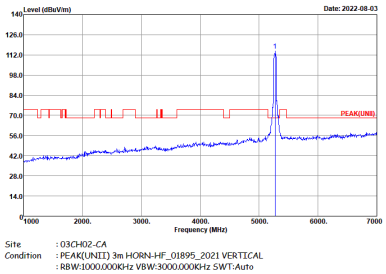
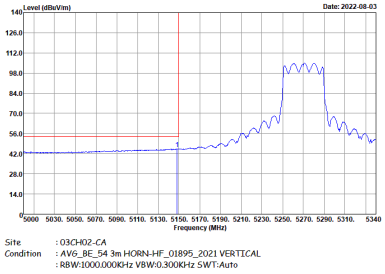
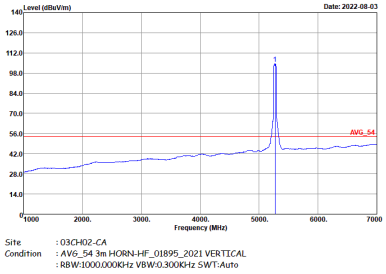
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto

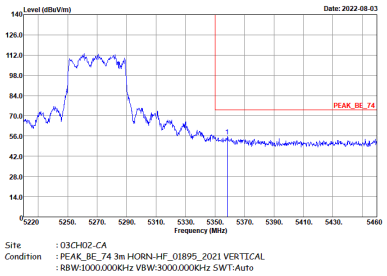
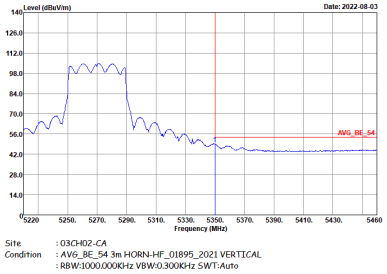
Band 2 - 5250~5350MHz

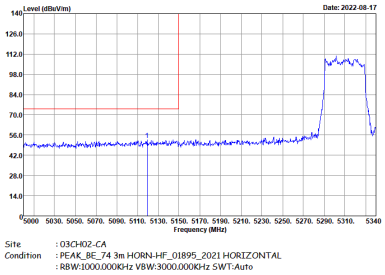
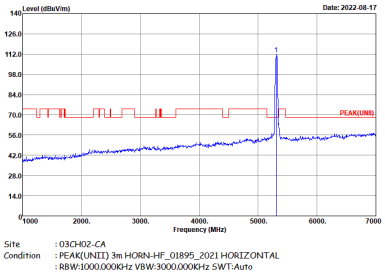
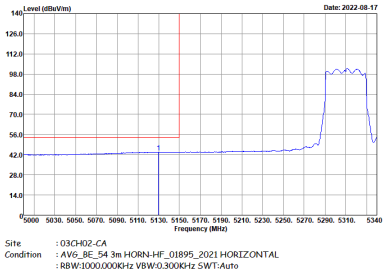
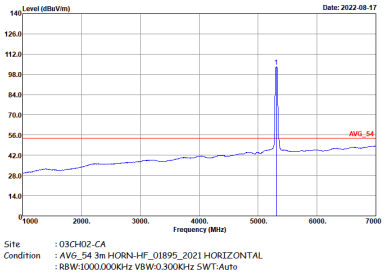
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

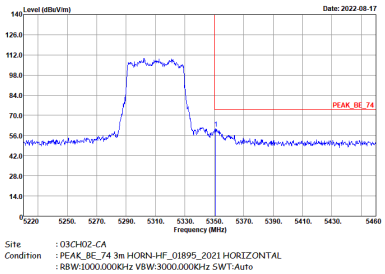
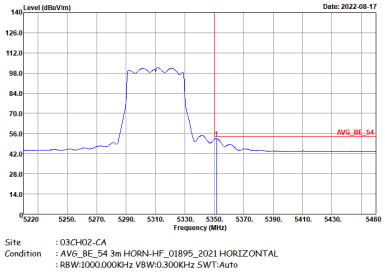
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270Mz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

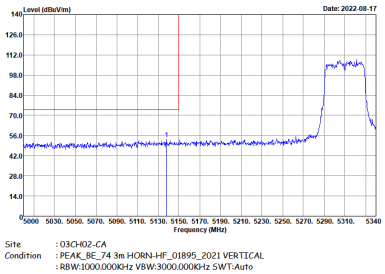
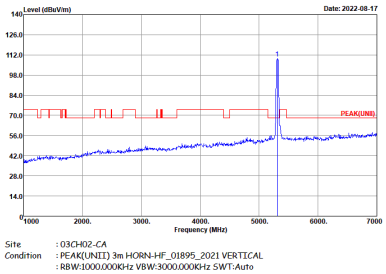
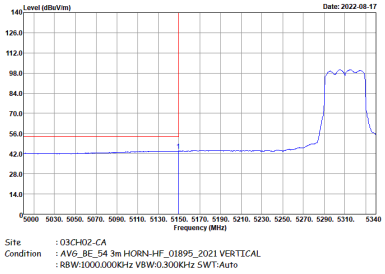
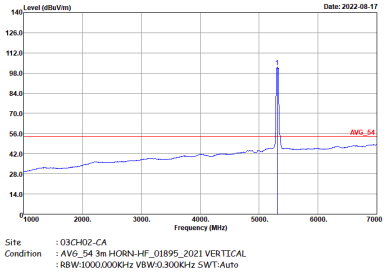
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270MHz - R	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	Left blank

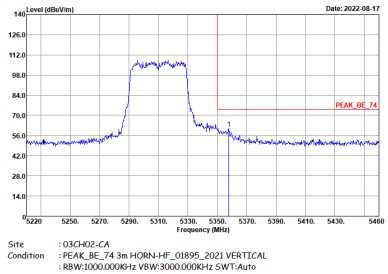
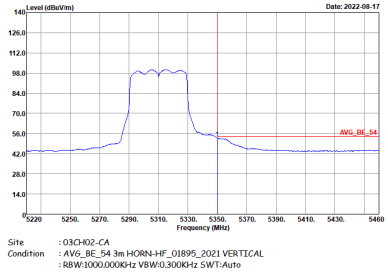
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310MHz - L	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto

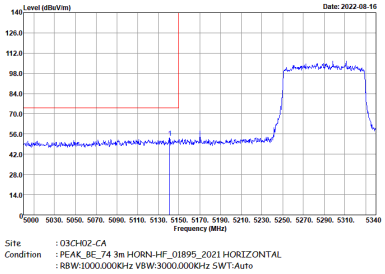
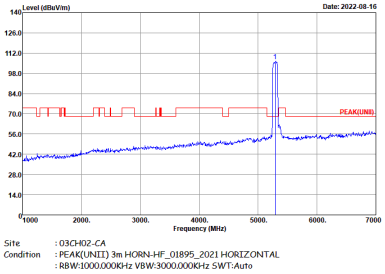
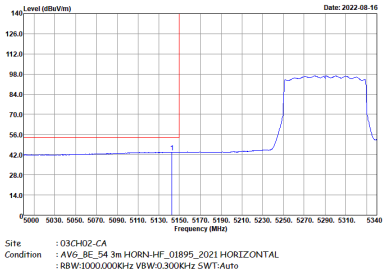
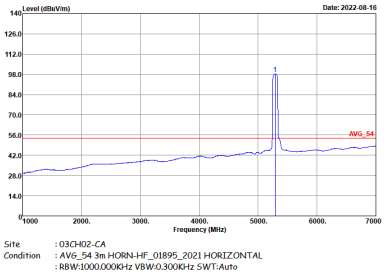
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

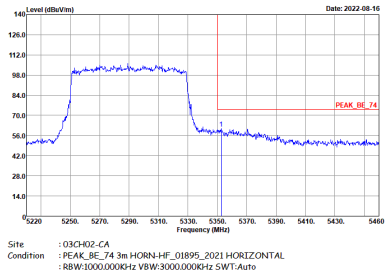
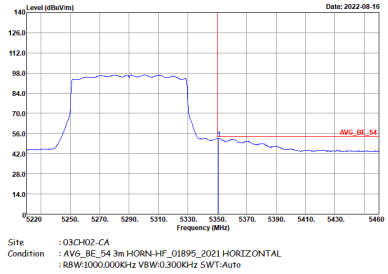
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310MHz - L	
1+3	Vertical	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE_74 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto

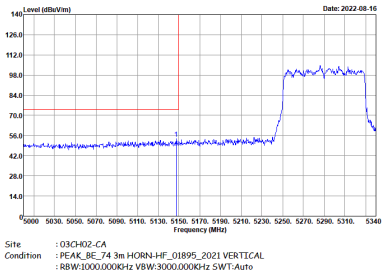
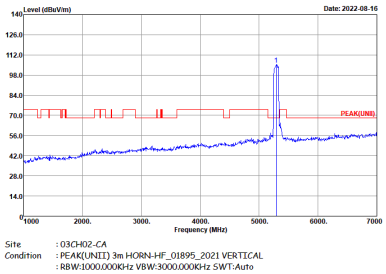
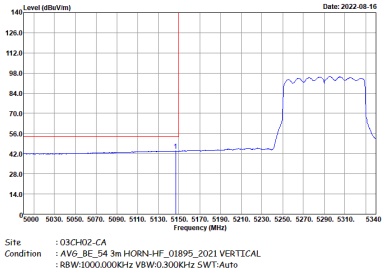
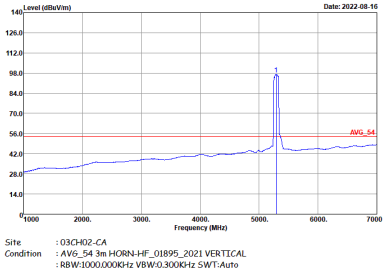
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

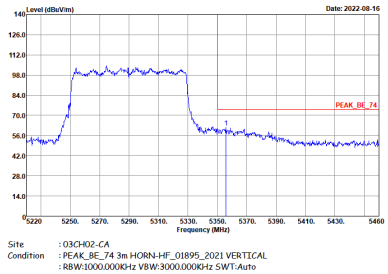
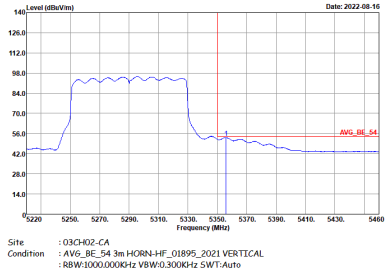
Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+3	Horizontal	Fundamental
Peak		
Avg.		

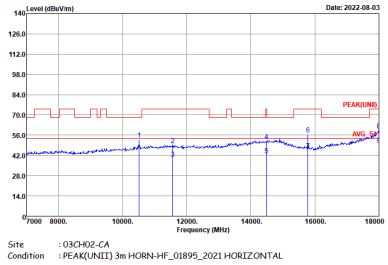
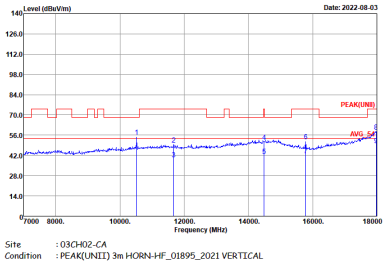
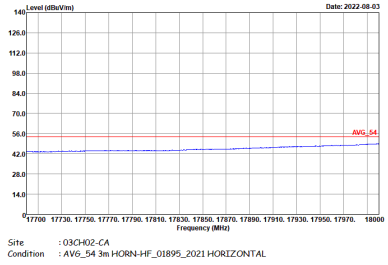
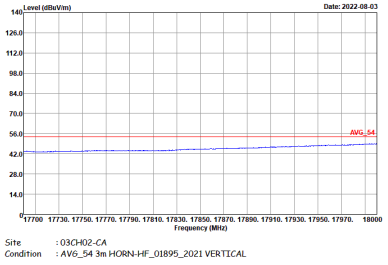
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+3	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

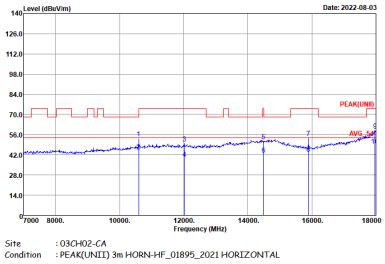
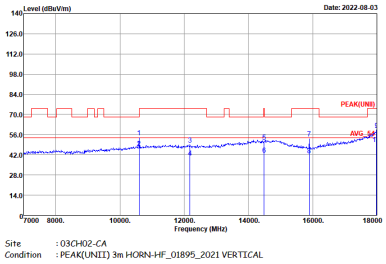
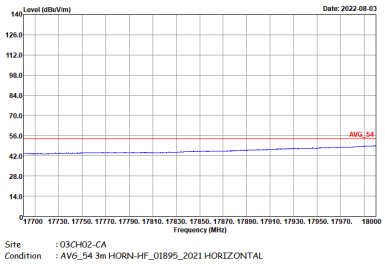
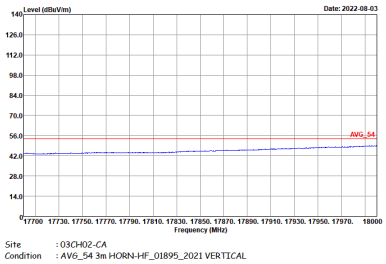
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

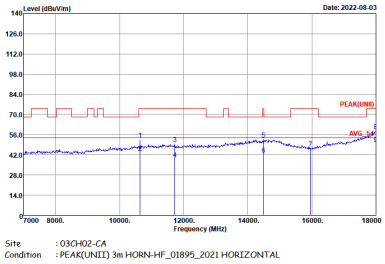
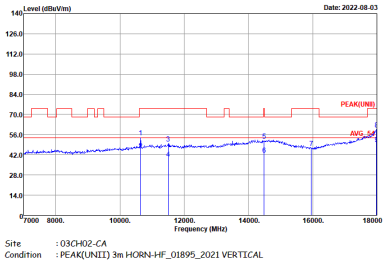
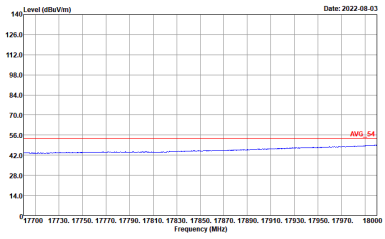
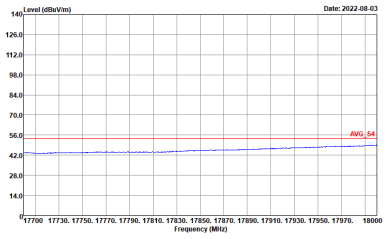
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

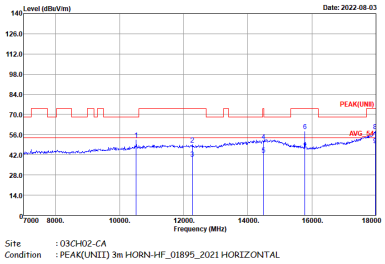
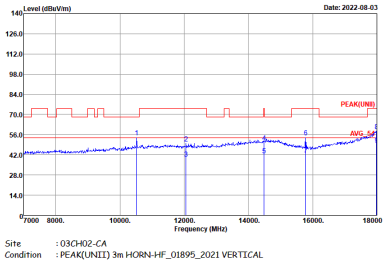
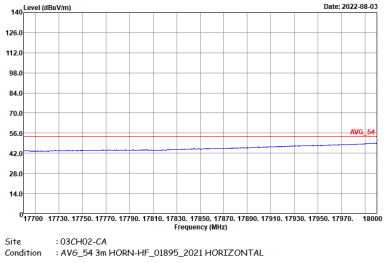
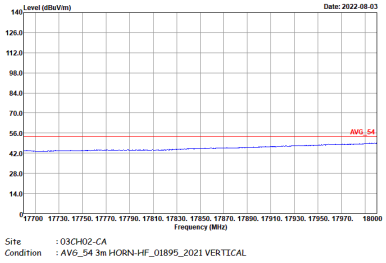
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+3	Horizontal	Vertical
Peak Avg.		
Avg.		

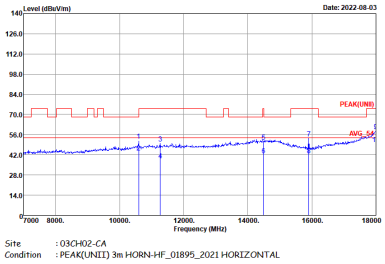
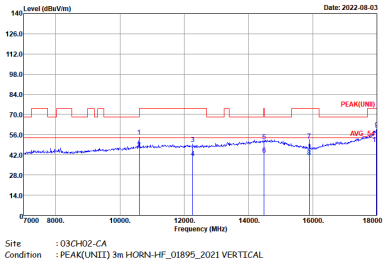
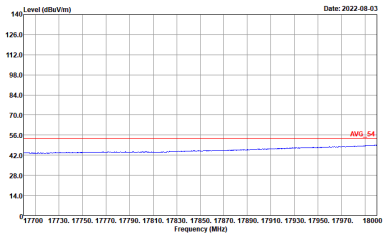
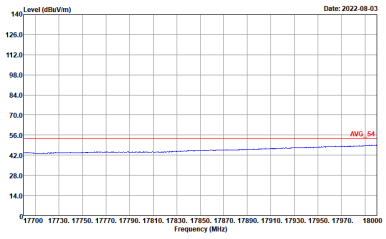
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

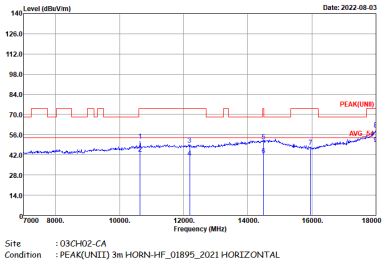
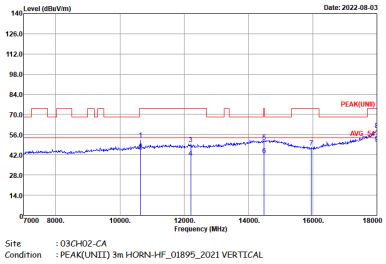
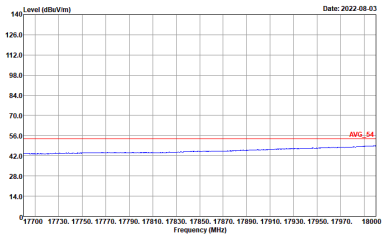
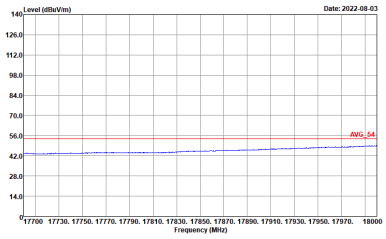
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

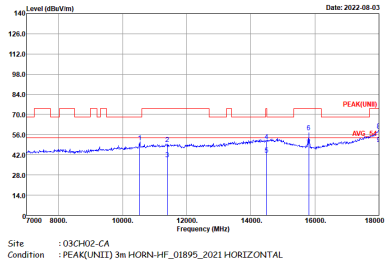
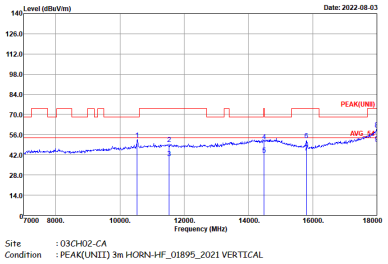
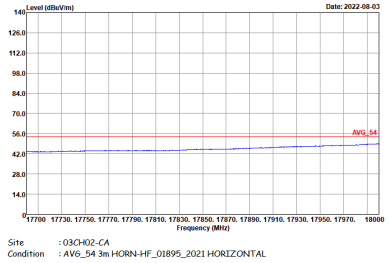
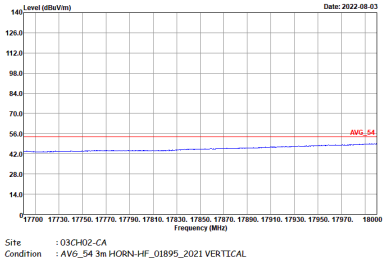
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

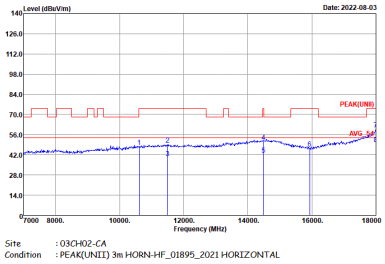
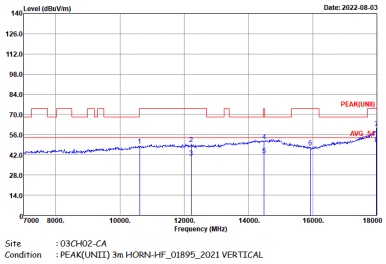
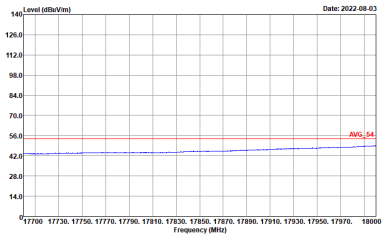
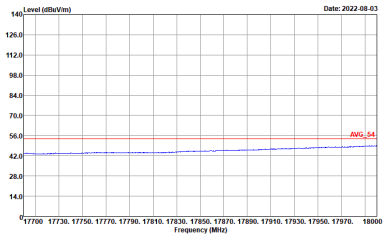
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AV6_54 3m HORN-HF_01895_2021 VERTICAL

Band 2 - 5250~5350MHz

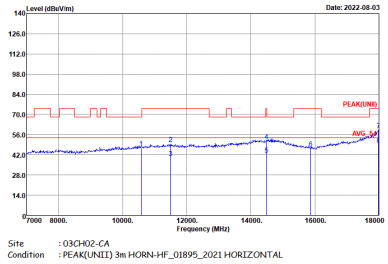
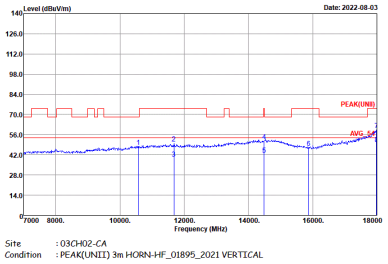
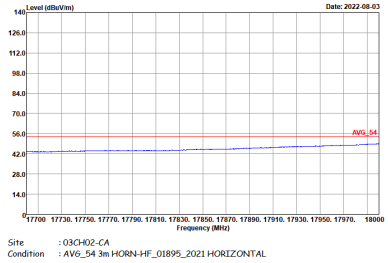
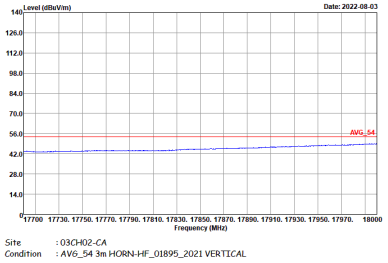
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH54 5270MHz	
1+3	Horizontal	Vertical
Peak Avg.		
Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH62 5310MHz	
1+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 VERTICAL
Avg.	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 HORIZONTAL	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 VERTICAL

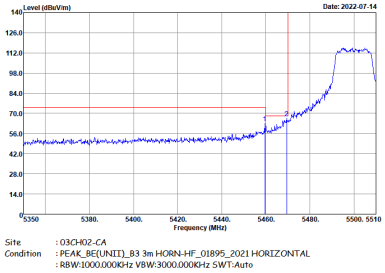
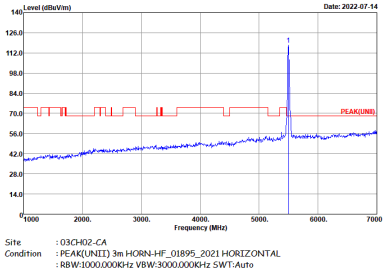
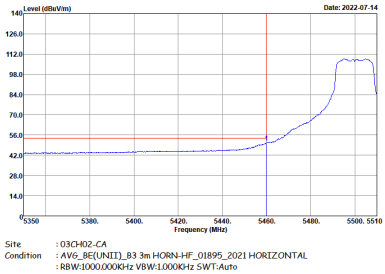
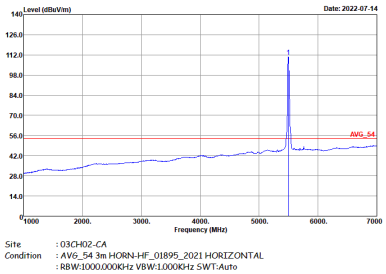
Band 2 5250~5350MHz

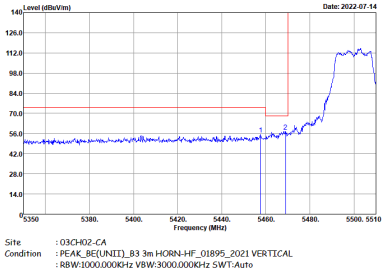
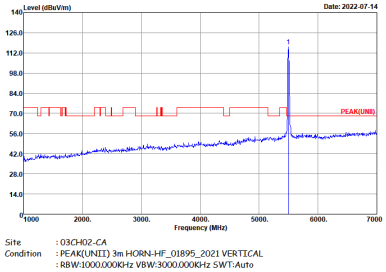
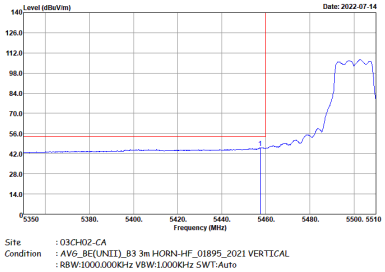
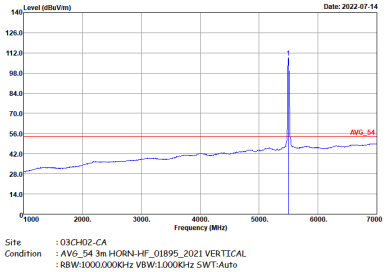
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

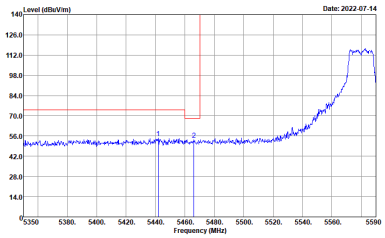
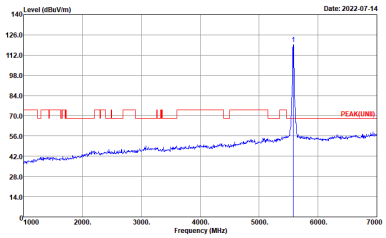
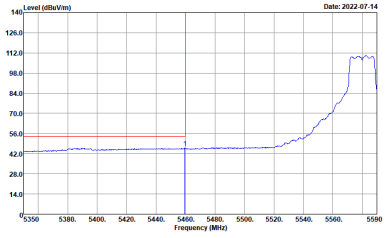
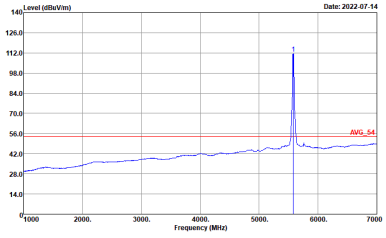
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz	
1+3	Horizontal	Vertical
Peak Avg.		
Avg.		

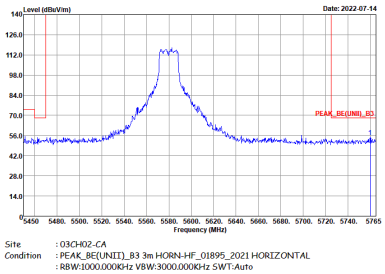
Band 3 - 5470~5725MHz

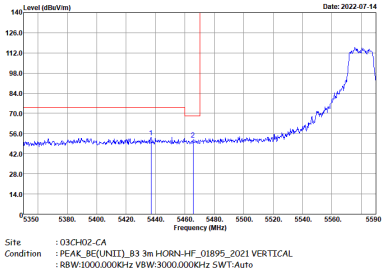
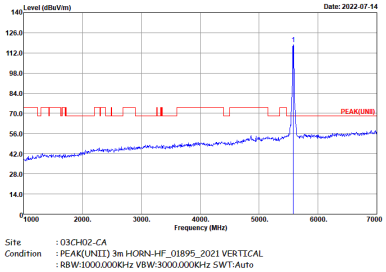
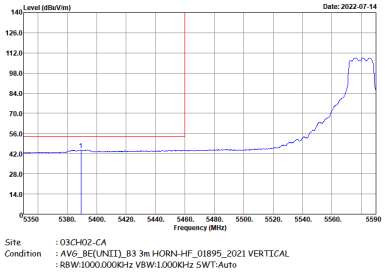
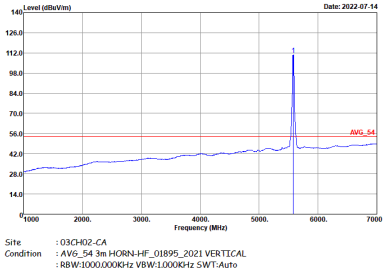
WIFI 802.11a (Band Edge @ 3m)

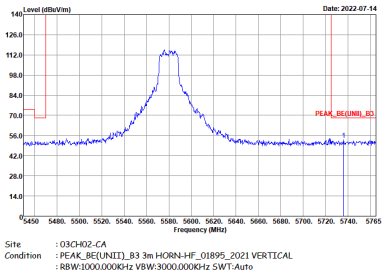
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+3	Horizontal	Fundamental
Peak		
Avg.		

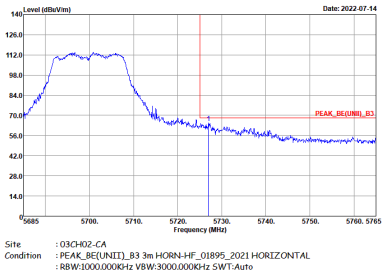
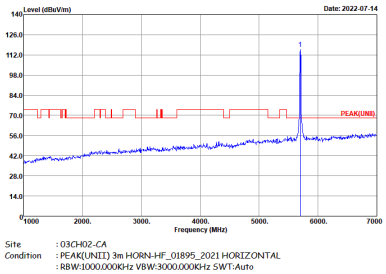
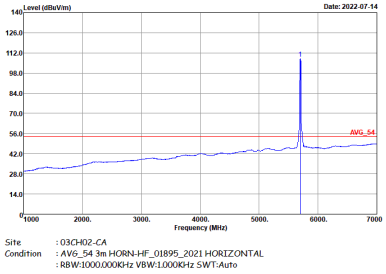
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+3	Vertical	Fundamental
Peak		
Avg.		

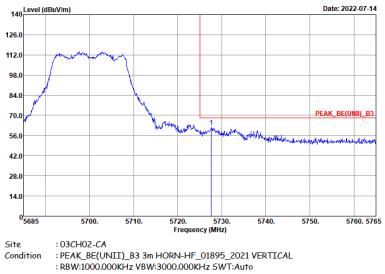
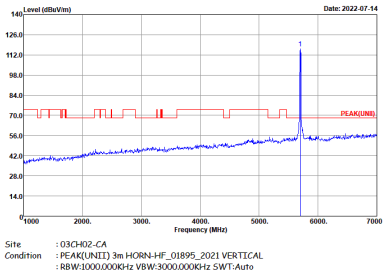
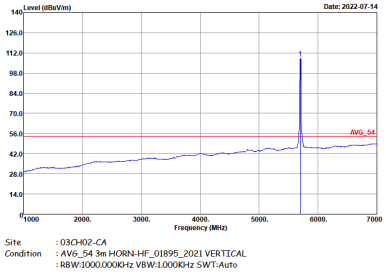
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+3	Horizontal	Fundamental
Peak	 Site : 03CH02-CA Condition : PEAK_BE(UNII)_B3 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH02-CA Condition : PEAK(UNII) 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH02-CA Condition : AVG_BE(UNII)_B3 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH02-CA Condition : AVG_54 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+3	Vertical	Fundamental
Peak		
Avg.		

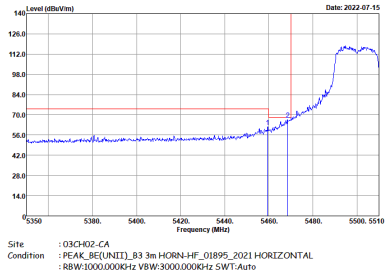
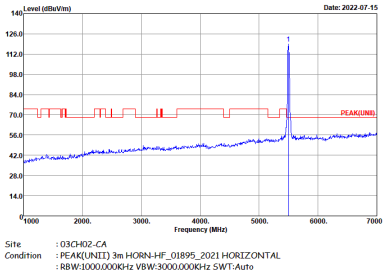
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+3	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+3	Horizontal	Fundamental
Peak		
Avg.	Left blank	

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+3	Vertical	Fundamental
Peak		
Avg.	Left blank	

Band 3 5470~5725MHz

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH100 5500MHz	
1+3	Horizontal	Fundamental
Peak		
Avg.