FCC RADIO TEST REPORT

FCC ID	:	**H8N-ASK-NCQ1338**
Equipment	:	**Verizon Internet Gateway**
Brand Name	:	**Verizon Internet Gateway**
Model Name	:	**ASK-NCQ1338**
Applicant	:	**Askey Computer Corporation** **10F, NO.119, JIANKANG RD.,** **ZHONGHE DIST., NEW TAIPEI CITY 23585,** **TAIWAN, R.O.C.**
Manufacturer	:	**Askey Computer Corporation** **10F, NO.119, JIANKANG RD.,** **ZHONGHE DIST., NEW TAIPEI CITY 23585,** **TAIWAN, R.O.C.**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Feb. 08, 2021 and testing was started from Mar. 02, 2021 and completed on Apr. 08, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR110616C	01	Initial issue of report	Apr. 12, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 7.66 dB at 0.434 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 0.74 dB at 5148.200 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang

Report Producer: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

LTE, 5G NR, Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and GNSS.

Product Specification subjective to this standard	
Antenna Type	WWAN: Fixed internal PIFA Antenna WLAN: Fixed internal Dipole Antenna Bluetooth-LE: Fixed internal Dipole Antenna GPS: Fixed internal Dipole Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 10: 3.4 Ant. 11: 3.3 Ant. 12: 3.3 Ant. 13: 3.4

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

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH05-HY, CO05-HY

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH16-HY (TAF Code: 3786)
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC designation No.: TW1190 and TW0007

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

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

STBC Mode

Modulation	Data Rate
802.11a	6 Mbps, NSS = 4
802.11n HT20 (Covered by HE20)	MCS0, NSS = 4
802.11n HT40 (Covered by HE40)	MCS0, NSS = 4
802.11ac VHT20 (Covered by HE20)	MCS0, NSS = 4
802.11ac VHT40 (Covered by HE40)	MCS0, NSS = 4
802.11ac VHT80 (Covered by HE80)	MCS0, NSS = 4
802.11ax HE20	MCS0, NSS = 4
802.11ax HE40	MCS0, NSS = 4
802.11ax HE80	MCS0, NSS = 4

TXBF Mode

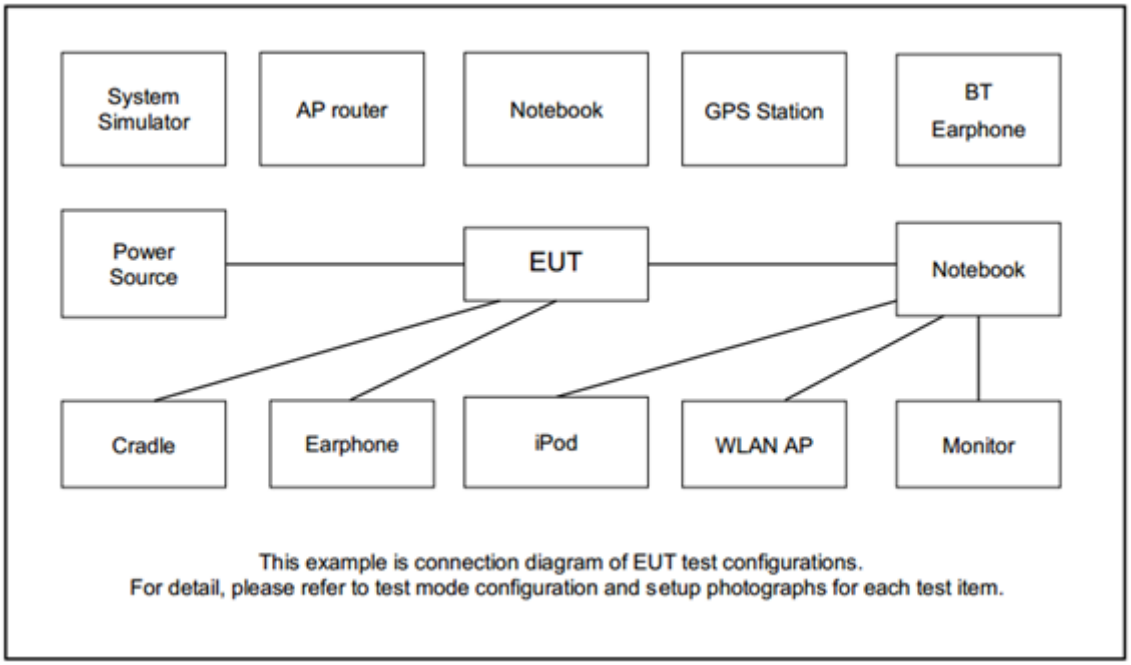
Modulation	Data Rate
802.11ac VHT20 (Covered by HE20)	MCS0, NSS = 1
802.11ac VHT40 (Covered by HE40)	MCS0, NSS = 1
802.11ac VHT80 (Covered by HE80)	MCS0, NSS = 1
802.11ax HE20	MCS0, NSS = 1
802.11ax HE40	MCS0, NSS = 1
802.11ax HE80	MCS0, NSS = 1

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + RJ-45 Link (LAN) + Adapter 1
Remark: For Radiated Test Cases, the tests were performed with Adapter 1	

Ch. #		Band I：5150-5250 MHz			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	36	36	38	-
M	Middle	44	44	-	42
H	High	48	48	46	-

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference 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.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	DELL	Latitude 5480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Lenovo	L570	FCC DoC	NA	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
5.	Smart Phone	SAMSUNG	SM-A730F/DS	A3LSMA730F	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT4 .0.00156.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

For 802.11ax M/BE unmode tone test items, utility “QSPR Version 5.0-00197” 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.

For TXBF mode test items, utility “Tera Term Version 4.100” 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.

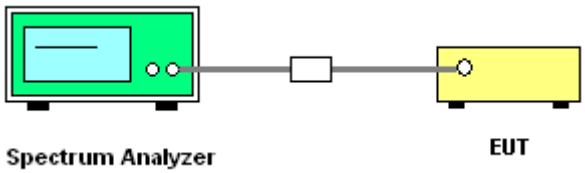
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

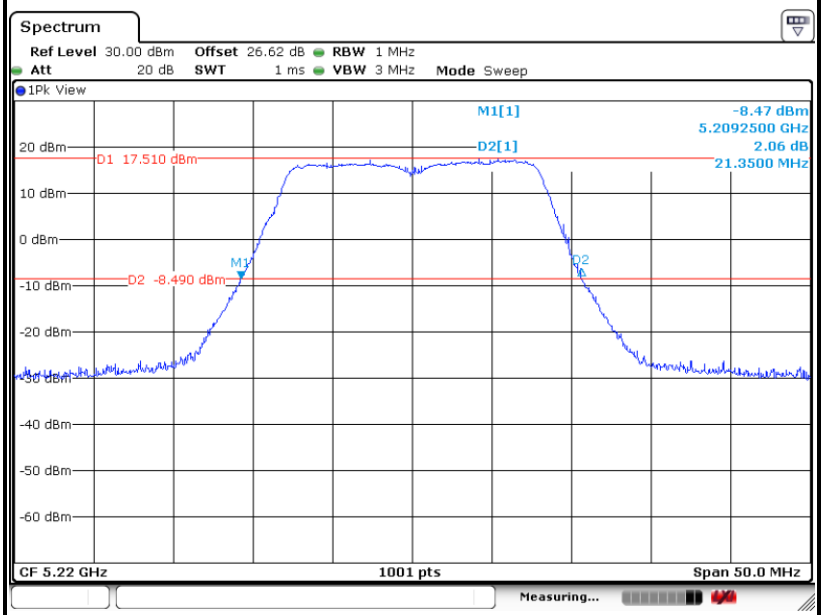


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

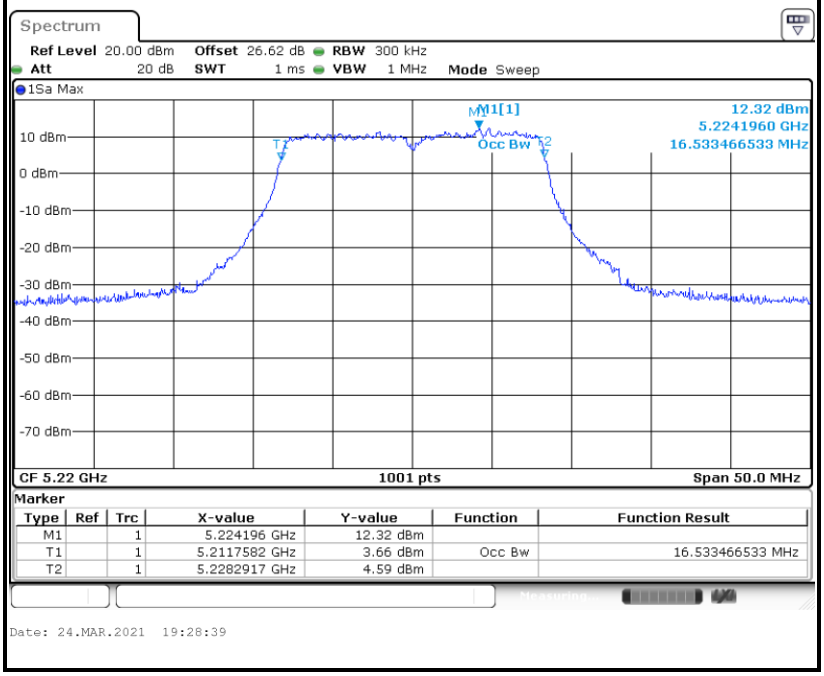
Please refer to Appendix A.

<STBC Mode>

Maximum 26dB Bandwidth

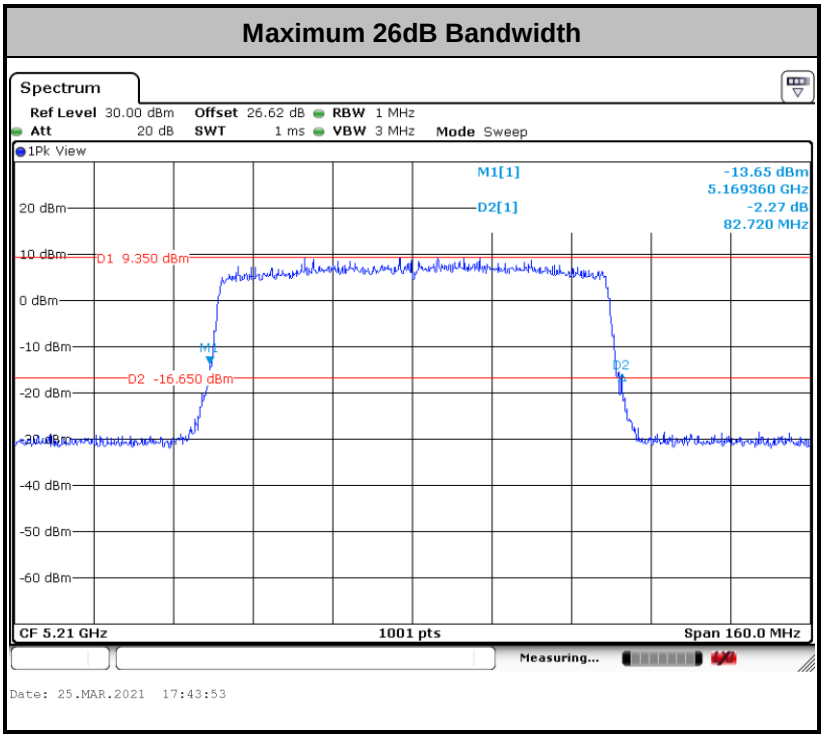


Maximum 99% Occupied Bandwidth

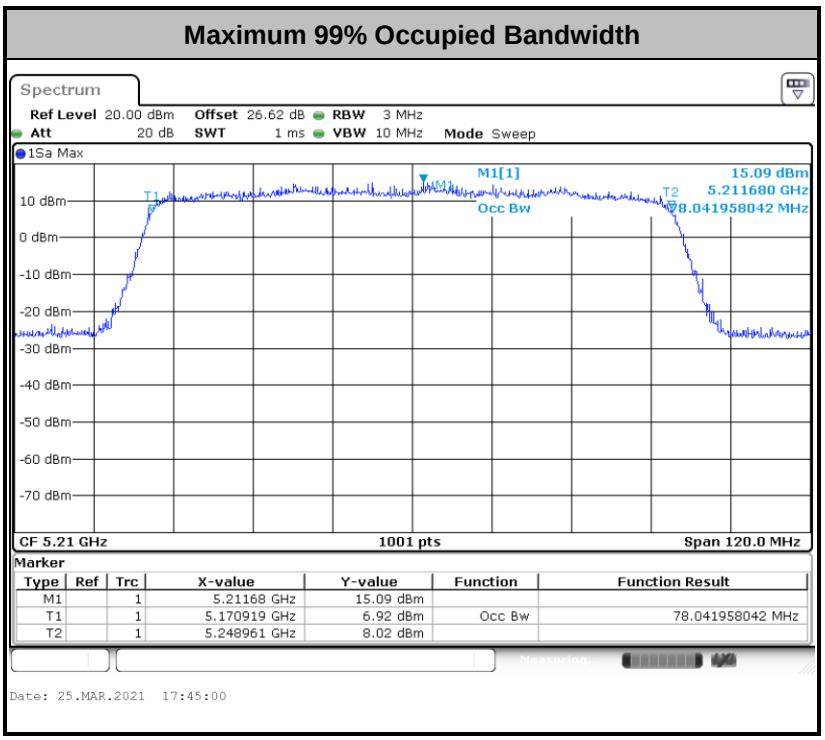


<For 802.11ax Mode>

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth

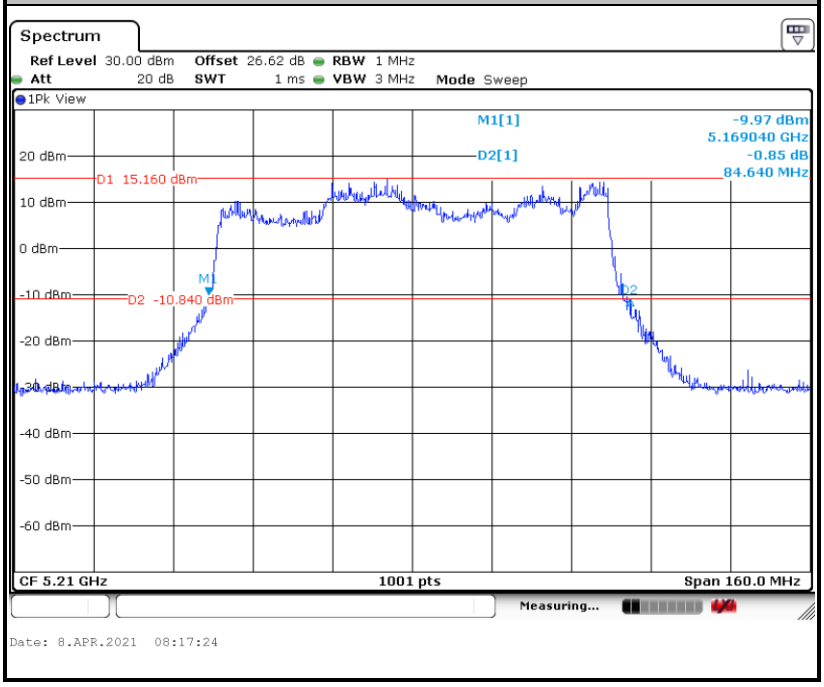


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

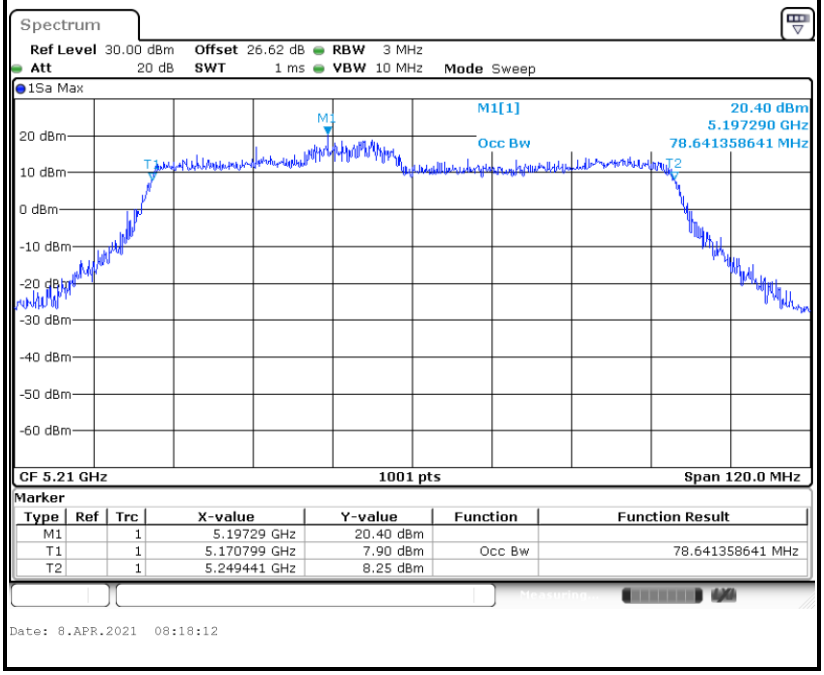
<TXBF Mode>

<For 802.11ax Mode>

Maximum 26dB Bandwidth



Maximum 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.

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

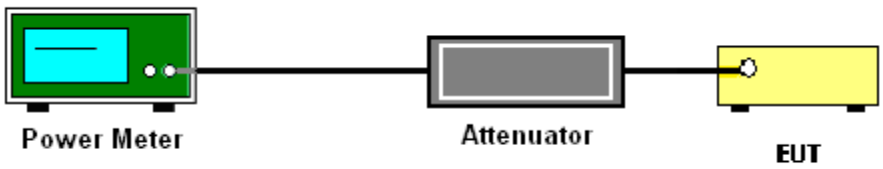
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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.

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

<STBC Modes>

 # Method SA-3 #

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

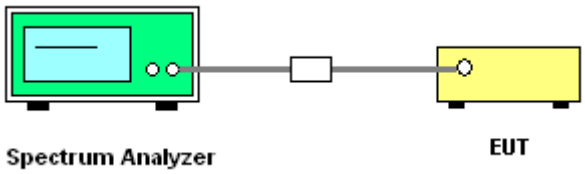
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which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

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

   The total final Power Spectral Density is from a device with 4 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, output 3 and output 4 to obtain the value for the first frequency bin of the summed spectrum.

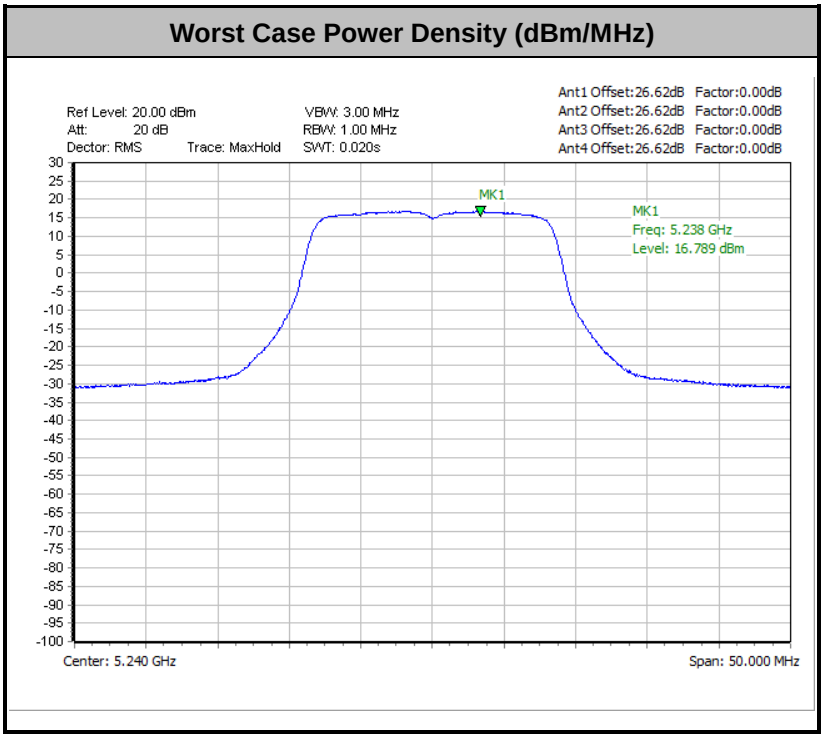
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

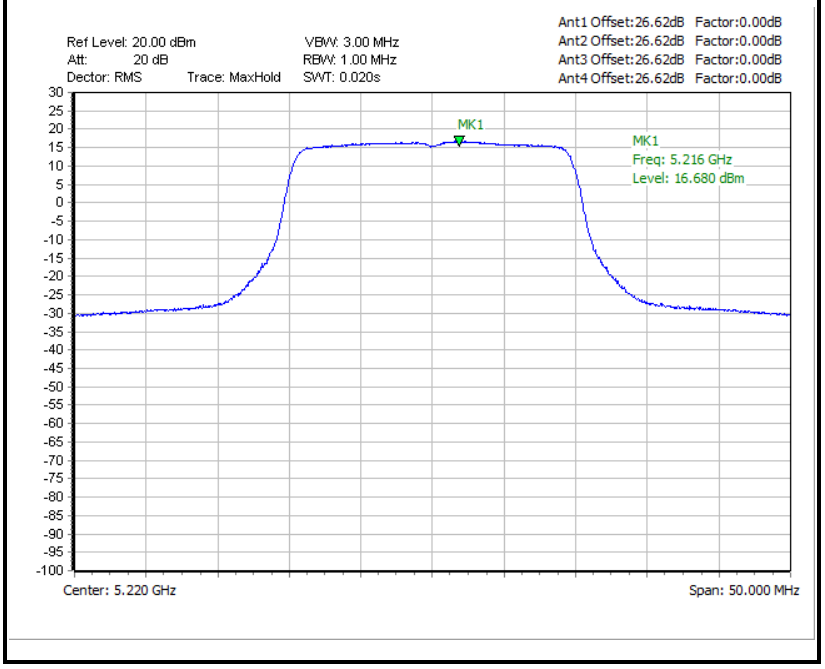
Please refer to Appendix A.

<STBC Mode>



<For 802.11ax Mode>

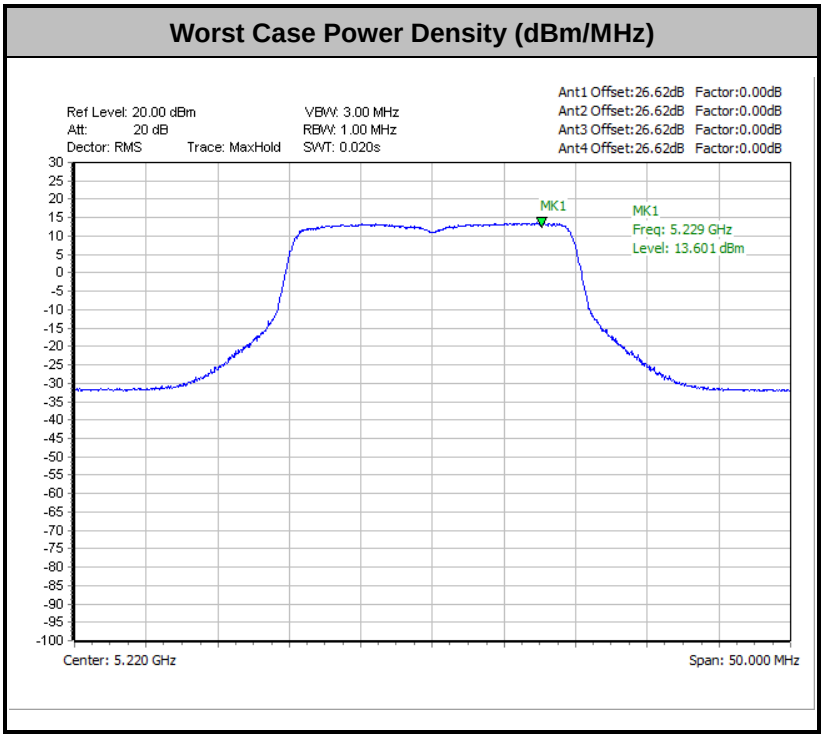
Worst Case Power Density (dBm/MHz)



<TXBF Mode>

<For 802.11ax Mode>

Worst Case Power Density (dBm/MHz)



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.

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

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

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

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

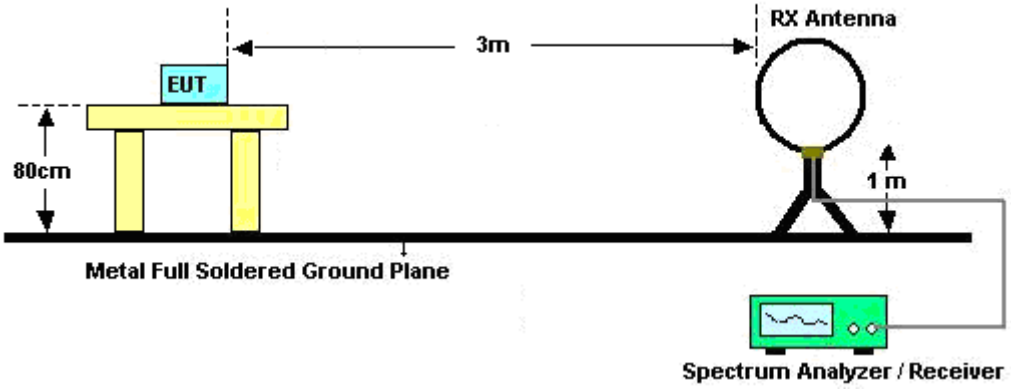
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

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

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

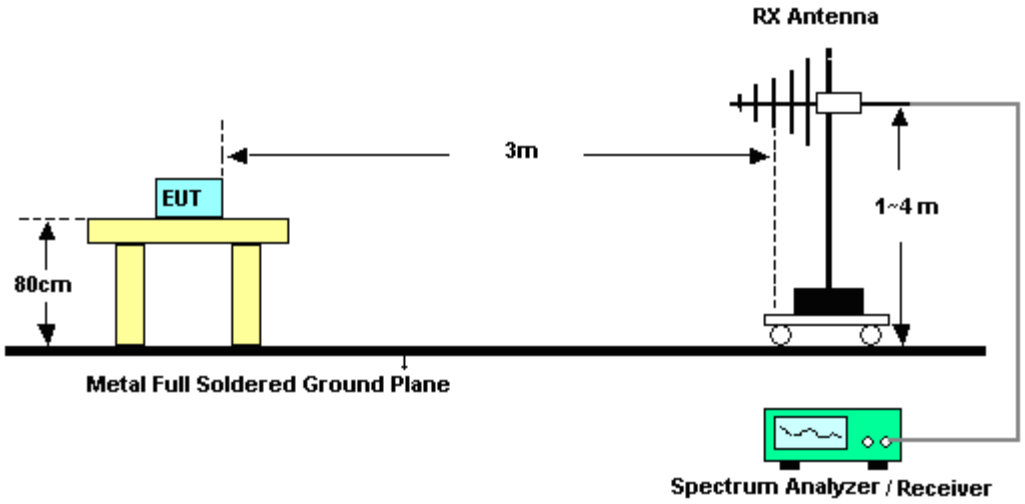
3.4.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz

<STBC Mode>



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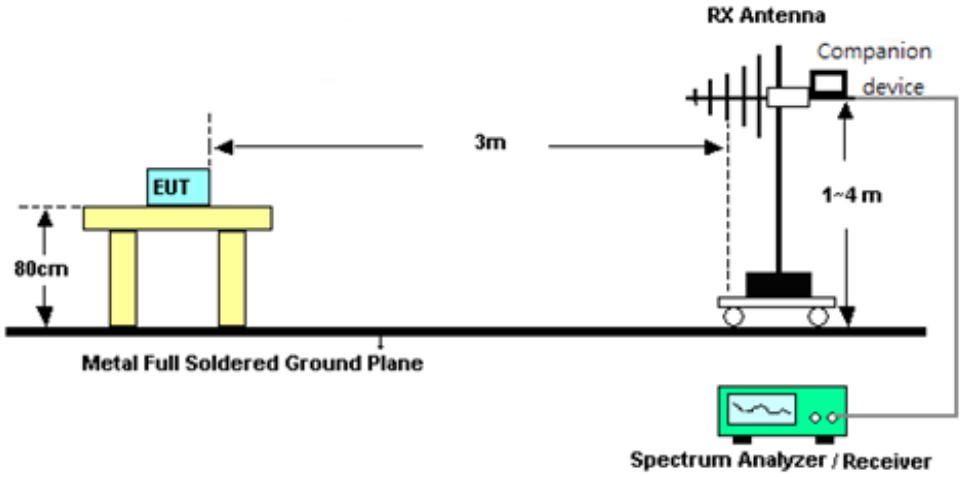
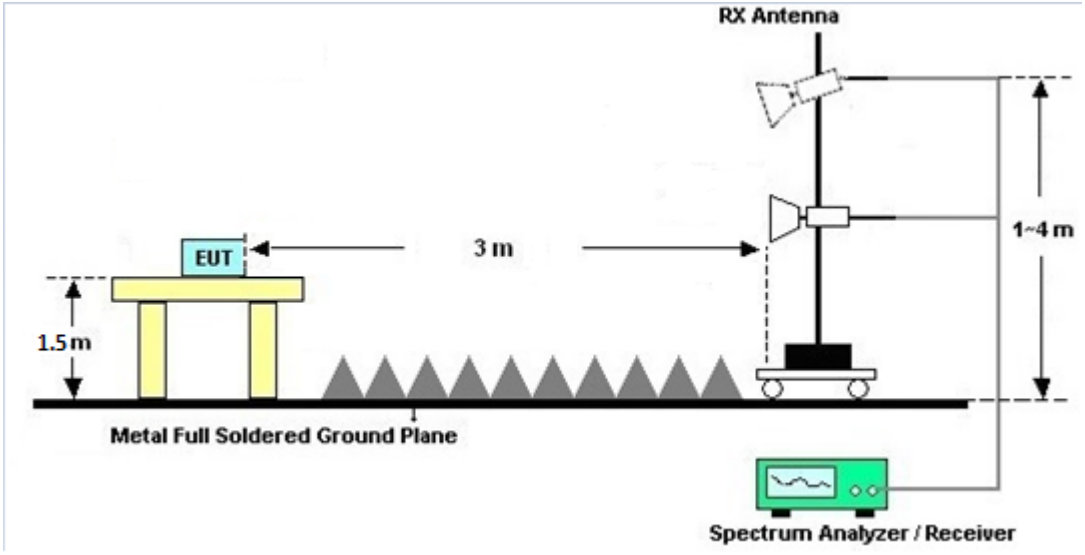


For radiated test from 1GHz to 18GHz

<STBC Mode>



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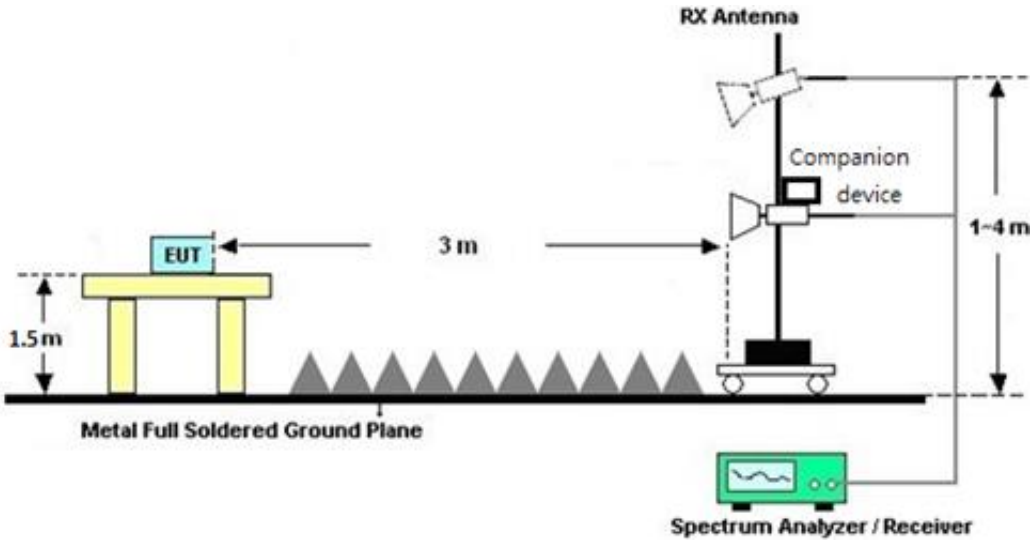
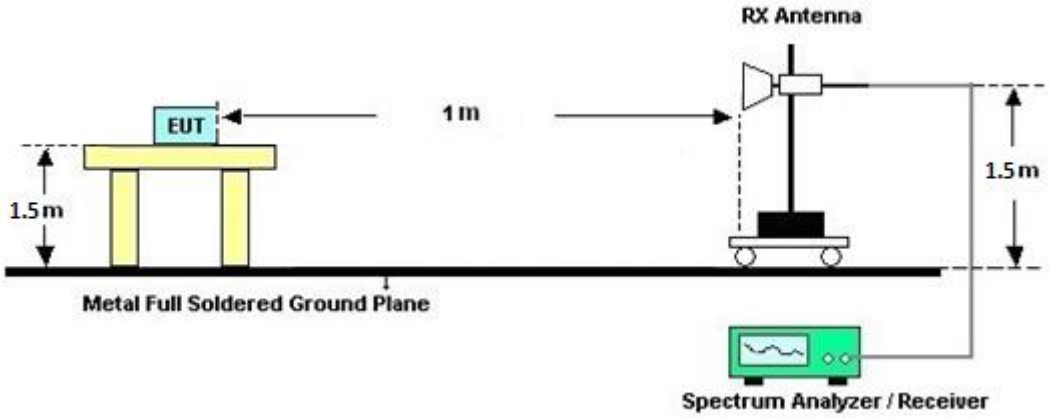
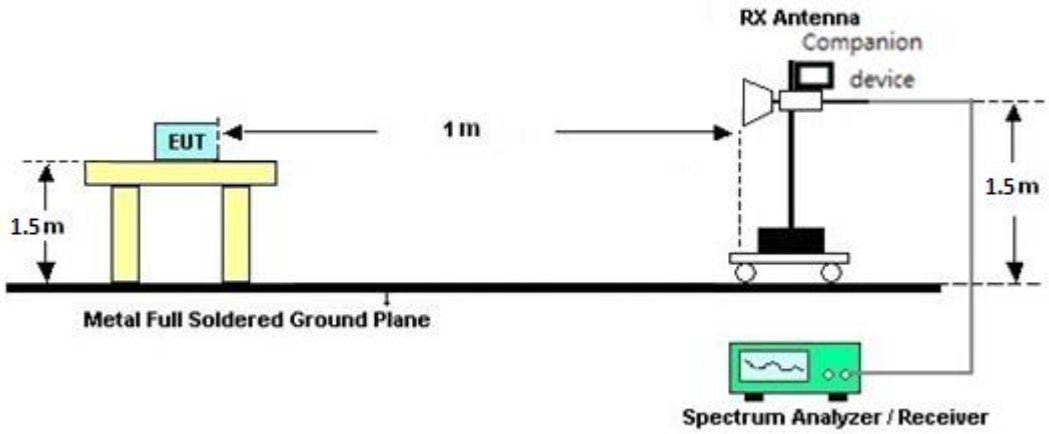


For radiated test above 18GHz

<STBC Mode>



<TXBF Mode>



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

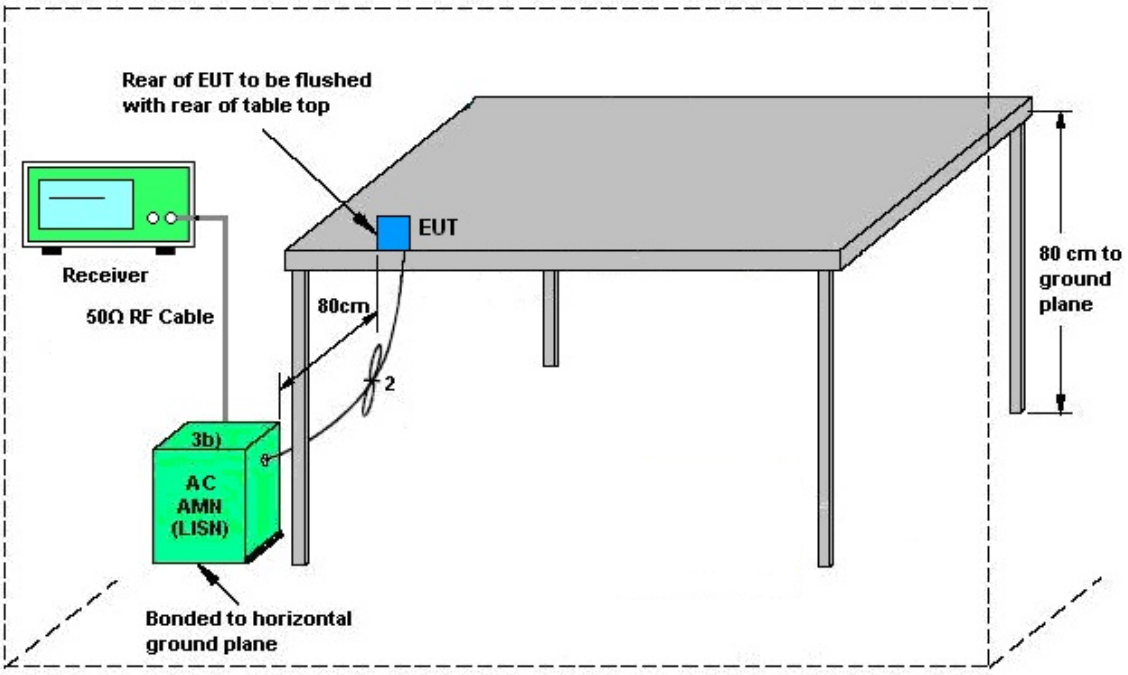
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<STBC Mode>

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)d)ii).

For PSD, the directional gain calculation is following F)2)d)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

<STBC Modes>

	Ant. 10 (dBi)	Ant. 11 (dBi)	Ant. 12 (dBi)	Ant. 13 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)
Band I	3.40	3.30	3.30	3.40	3.40	3.40	0.00

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

TXBF mode

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

	Ant 10 (dBi)	Ant 11 (dBi)	Ant 12 (dBi)	Ant 13 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)
Band I	3.40	3.30	3.30	3.40	9.37	9.37	3.37

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jul. 14, 2020	Mar. 06, 2021~ Apr. 07, 2021	Jul. 13, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01 N-06	47020 & 06	30MHz to 1GHz	Oct. 11, 2020	Mar. 06, 2021~ Apr. 07, 2021	Oct. 10, 2021	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 29, 2020	Mar. 06, 2021~ Apr. 07, 2021	Sep. 28, 2021	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~40GHz	May 22, 2020	Mar. 06, 2021~ Apr. 07, 2021	May 21, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Sep. 30. 2020	Mar. 06, 2021~ Apr. 07, 2021	Sep. 29. 2021	Radiation (03CH16-HY)
Amplifier	EMCI	EMC051845SE	980729	1-18GHz	Jul. 10, 2020	Mar. 06, 2021~ Apr. 07, 2021	Jul. 09, 2021	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 10, 2020	Mar. 06, 2021~ Apr. 07, 2021	Dec. 09, 2021	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	3Hz~26.5GHz	Nov. 18, 2020	Mar. 06, 2021~ Apr. 07, 2021	Nov. 17, 2021	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	Mar. 06, 2021~ Apr. 07, 2021	Jan. 14, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 29, 2020	Mar. 06, 2021~ Apr. 07, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 29, 2020	Mar. 06, 2021~ Apr. 07, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 29, 2020	Mar. 06, 2021~ Apr. 07, 2021	Aug. 28, 2021	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Mar. 06, 2021~ Apr. 07, 2021	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 06, 2021~ Apr. 07, 2021	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 06, 2021~ Apr. 07, 2021	N/A	Radiation (03CH16-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 16, 2020	Mar. 02, 2021~ Apr. 08, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Mar. 02, 2021~ Apr. 08, 2021	Jul. 21, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Aug. 15, 2020	Mar. 02, 2021~ Apr. 08, 2021	Aug. 14, 2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 10, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Mar. 10, 2021	Nov. 29, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Mar. 10, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 10, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Mar. 10, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	N/A	Mar. 10, 2021	N/A	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.3**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer	Eason Huang/Shiming Liu	Temperature	21.3~23.9	°C
Test Date	2021/3/2~2021/4/8	Relative Humidity	55.9~59.6	%

<STBC Mode>

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
					Ant 10	Ant 11	Ant 12	Ant 13	Ant 10	Ant 11	Ant 12	Ant 13	Ant 10 + 11 + 12 + 13
11a	6Mbps	4	36	5180	21.25	21.05	20.95	21.05	16.43	16.38	16.38	16.43	22.14
11a	6Mbps	4	44	5220	21.35	21.20	21.10	20.85	16.53	16.43	16.38	16.38	22.14
11a	6Mbps	4	48	5240	21.30	21.05	21.20	21.05	16.53	16.38	16.43	16.43	22.14

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 10	Ant 11	Ant 12	Ant 13	SUM	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
11a	6Mbps	4	36	5180	20.22	20.32	20.82	20.12	26.40	30.00	3.40	Pass
11a	6Mbps	4	44	5220	21.02	20.52	20.72	20.52	26.72	30.00	3.40	Pass
11a	6Mbps	4	48	5240	21.42	20.62	21.42	20.82	27.11	30.00	3.40	Pass
HT20	MCS0	4	36	5180	17.52	17.82	17.72	17.12	23.57	30.00	3.40	Pass
HT20	MCS0	4	44	5220	21.42	21.02	21.22	20.62	27.10	30.00	3.40	Pass
HT20	MCS0	4	48	5240	21.22	20.62	21.32	20.62	26.98	30.00	3.40	Pass
HT40	MCS0	4	38	5190	16.32	16.32	16.72	16.22	22.42	30.00	3.40	Pass
HT40	MCS0	4	46	5230	22.52	22.02	22.52	22.02	28.30	30.00	3.40	Pass
VHT20	MCS0	4	36	5180	17.42	17.72	17.62	17.02	23.47	30.00	3.40	Pass
VHT20	MCS0	4	44	5220	21.32	20.92	21.12	20.52	27.00	30.00	3.40	Pass
VHT20	MCS0	4	48	5240	21.12	20.52	21.22	20.52	26.88	30.00	3.40	Pass
VHT40	MCS0	4	38	5190	16.32	16.32	16.72	16.22	22.42	30.00	3.40	Pass
VHT40	MCS0	4	46	5230	22.52	22.02	22.52	22.02	28.30	30.00	3.40	Pass
VHT80	MCS0	4	42	5210	15.92	15.62	16.22	15.62	21.87	30.00	3.40	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
					Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
11a	6Mbps	4	36	5180	16.21	17	3.40	Pass
11a	6Mbps	4	44	5220	16.53	17	3.40	Pass
11a	6Mbps	4	48	5240	16.79	17	3.40	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU tone	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 10	Ant 11	Ant 12	Ant 13	Ant 10	Ant 11	Ant 12	Ant 13	Ant 10 + 11 + 12 + 13
HE20	MCS0	4	36	5180	Full	22.55	22.75	22.50	22.45	18.93	18.93	18.98	18.98	22.77
HE20	MCS0	4	44	5220	Full	22.60	22.25	22.45	22.55	18.98	18.88	18.98	18.98	22.76
HE20	MCS0	4	48	5240	Full	22.70	22.85	22.60	22.70	18.98	19.03	18.93	18.93	22.77
HE40	MCS0	4	38	5190	Full	41.94	41.94	41.76	41.85	37.96	38.06	38.06	37.96	23.01
HE40	MCS0	4	46	5230	Full	42.03	42.39	42.21	42.12	37.86	37.96	38.06	38.06	23.01
HE80	MCS0	4	42	5210	Full	82.24	82.72	82.56	81.92	77.92	77.92	78.04	77.68	23.01

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU tone	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 10	Ant 11	Ant 12	Ant 13	SUM	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
HE20	MCS0	4	36	5180	Full	17.62	17.92	17.82	17.22	23.67	30.00	3.40	Pass
HE20	MCS0	4	36	5180	M	13.72	14.12	14.92	14.22	20.29	30.00	3.40	Pass
HE20	MCS0	4	36	5180	BE	13.22	15.62	16.12	15.22	21.19	30.00	3.40	Pass
HE20	MCS0	4	44	5220	Full	21.52	21.12	21.32	20.72	27.20	30.00	3.40	Pass
HE20	MCS0	4	44	5220	M	19.92	19.92	20.32	19.62	25.97	30.00	3.40	Pass
HE20	MCS0	4	44	5220	BE	19.22	19.12	19.12	18.72	25.07	30.00	3.40	Pass
HE20	MCS0	4	48	5240	Full	21.32	20.72	21.42	20.72	27.08	30.00	3.40	Pass
HE20	MCS0	4	48	5240	M	19.72	19.62	20.12	19.72	25.82	30.00	3.40	Pass
HE20	MCS0	4	48	5240	BE	18.32	18.22	18.82	18.62	24.52	30.00	3.40	Pass
HE40	MCS0	4	38	5190	Full	16.42	16.42	16.82	16.32	22.52	30.00	3.40	Pass
HE40	MCS0	4	38	5190	M	12.82	12.82	13.62	12.62	19.01	30.00	3.40	Pass
HE40	MCS0	4	38	5190	BE	12.52	13.22	13.52	13.02	19.11	30.00	3.40	Pass
HE40	MCS0	4	46	5230	Full	22.62	22.12	22.62	22.12	28.40	30.00	3.40	Pass
HE40	MCS0	4	46	5230	M	18.52	18.22	18.92	18.32	24.52	30.00	3.40	Pass
HE40	MCS0	4	46	5230	BE	20.32	20.52	20.72	20.42	26.52	30.00	3.40	Pass
HE80	MCS0	4	42	5210	Full	16.02	15.72	16.32	15.72	21.97	30.00	3.40	Pass
HE80	MCS0	4	42	5210	M	9.52	9.52	9.92	9.52	15.64	30.00	3.40	Pass
HE80	MCS0	4	42	5210	BE	13.42	13.62	14.42	13.72	19.83	30.00	3.40	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU tone	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
HE20	MCS0	4	36	5180	Full	13.01	17.00	3.40	Pass
HE20	MCS0	4	36	5180	M	10.72	17.00	3.40	Pass
HE20	MCS0	4	36	5180	BE	12.92	17.00	3.40	Pass
HE20	MCS0	4	44	5220	Full	16.68	17.00	3.40	Pass
HE20	MCS0	4	44	5220	M	16.53	17.00	3.40	Pass
HE20	MCS0	4	44	5220	BE	16.67	17.00	3.40	Pass
HE20	MCS0	4	48	5240	Full	16.55	17.00	3.40	Pass
HE20	MCS0	4	48	5240	M	16.30	17.00	3.40	Pass
HE20	MCS0	4	48	5240	BE	16.31	17.00	3.40	Pass
HE40	MCS0	4	38	5190	Full	9.51	17.00	3.40	Pass
HE40	MCS0	4	38	5190	M	8.51	17.00	3.40	Pass
HE40	MCS0	4	38	5190	BE	7.82	17.00	3.40	Pass
HE40	MCS0	4	46	5230	Full	15.14	17.00	3.40	Pass
HE40	MCS0	4	46	5230	M	13.35	17.00	3.40	Pass
HE40	MCS0	4	46	5230	BE	15.02	17.00	3.40	Pass
HE80	MCS0	4	42	5210	Full	5.90	17.00	3.40	Pass
HE80	MCS0	4	42	5210	M	1.32	17.00	3.40	Pass
HE80	MCS0	4	42	5210	BE	4.62	17.00	3.40	Pass

<TXBF Mode>

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 10	Ant 11	Ant 12	Ant 13	SUM	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
VHT20	MCS0	4	36	5180	17.82	18.52	18.52	17.92	24.23	26.63	9.37	Pass
VHT20	MCS0	4	44	5220	17.82	18.52	18.12	18.02	24.15	26.63	9.37	Pass
VHT20	MCS0	4	48	5240	17.72	18.12	18.12	17.92	23.99	26.63	9.37	Pass
VHT40	MCS0	4	38	5190	17.72	18.72	18.52	17.82	24.24	26.63	9.37	Pass
VHT40	MCS0	4	46	5230	18.22	18.32	18.32	17.92	24.22	26.63	9.37	Pass
VHT80	MCS0	4	42	5210	18.02	18.72	19.12	18.22	24.56	26.63	9.37	Pass

Report Number : FR110616C

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	26 dB Bandwidth (MHz)				99% Bandwidth (MHz)				IC 99% Bandwidth EIRP Limit (dBm)
						Ant 10	Ant 11	Ant 12	Ant 13	Ant 10	Ant 11	Ant 12	Ant 13	Ant 10 + 11 + 12 + 13
HE20	MCS0	4	36	5180	Full	25.95	26.25	25.40	25.45	19.18	19.13	19.08	19.18	22.81
HE20	MCS0	4	44	5220	Full	25.35	24.80	25.25	25.25	19.03	19.23	19.13	19.08	22.79
HE20	MCS0	4	48	5240	Full	25.00	24.30	25.55	25.95	19.13	19.08	19.13	19.18	22.81
HE40	MCS0	4	38	5190	Full	44.91	45.90	46.17	44.73	38.26	38.66	38.36	38.36	23.01
HE40	MCS0	4	46	5230	Full	46.53	46.44	46.35	45.36	38.26	38.46	38.26	38.26	23.01
HE80	MCS0	4	42	5210	Full	83.20	84.64	83.84	82.88	78.40	78.52	78.64	78.16	23.01

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)					FCC Power Limit (dBm)	DG (dBi)	Pass /Fail
						Ant 10	Ant 11	Ant 12	Ant 13	SUM	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
HE20	MCS0	4	36	5180	Full	17.92	18.62	18.62	18.02	24.33	26.63	9.37	Pass
HE20	MCS0	4	44	5220	Full	17.92	18.62	18.22	18.12	24.25	26.63	9.37	Pass
HE20	MCS0	4	48	5240	Full	17.82	18.22	18.22	18.02	24.09	26.63	9.37	Pass
HE40	MCS0	4	38	5190	Full	17.82	18.82	18.62	17.92	24.34	26.63	9.37	Pass
HE40	MCS0	4	46	5230	Full	18.32	18.42	18.42	18.02	24.32	26.63	9.37	Pass
HE80	MCS0	4	42	5210	Full	18.12	18.82	19.22	18.32	24.66	26.63	9.37	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO 4Tx Mode Ant 10 + 11 + 12 + 13									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	Pass /Fail
						Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	Ant 10 + 11 + 12 + 13	
HE20	MCS0	4	36	5180	Full	13.55	13.63	9.37	Pass
HE20	MCS0	4	44	5220	Full	13.60	13.63	9.37	Pass
HE20	MCS0	4	48	5240	Full	13.05	13.63	9.37	Pass
HE40	MCS0	4	38	5190	Full	13.20	13.63	9.37	Pass
HE40	MCS0	4	46	5230	Full	12.57	13.63	9.37	Pass
HE80	MCS0	4	42	5210	Full	13.51	13.63	9.37	Pass

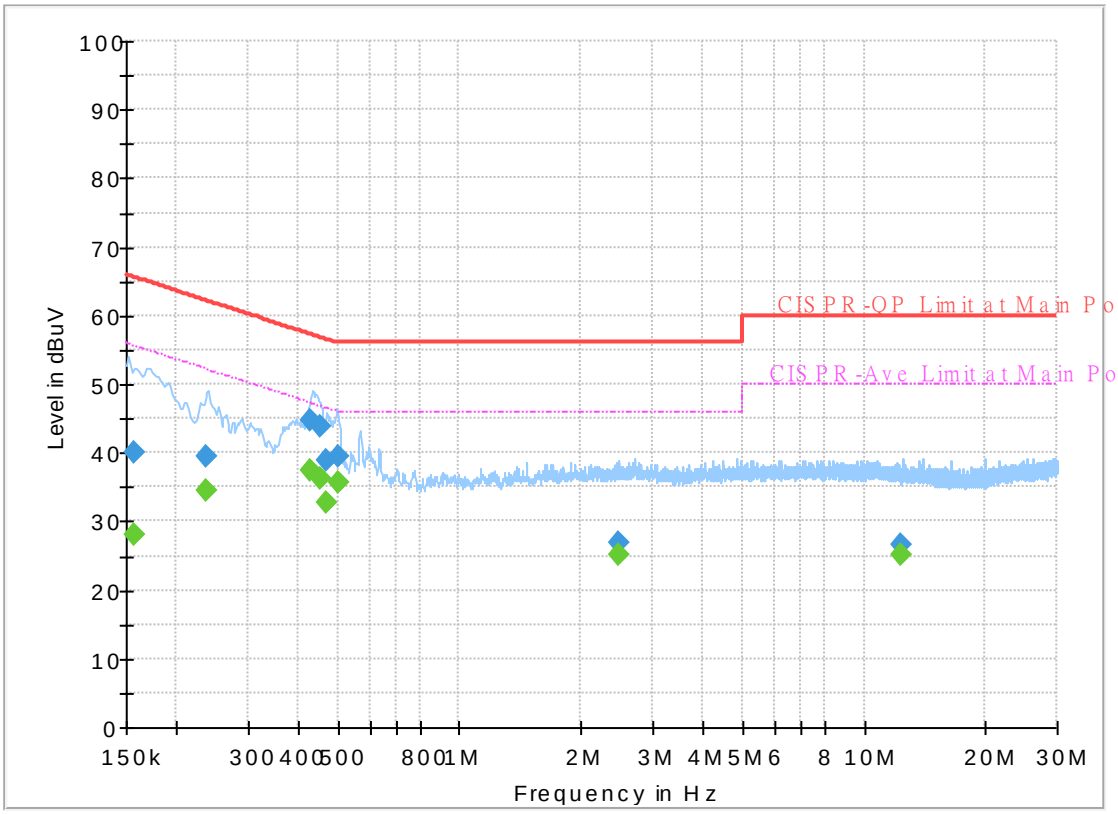
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO :	110616
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



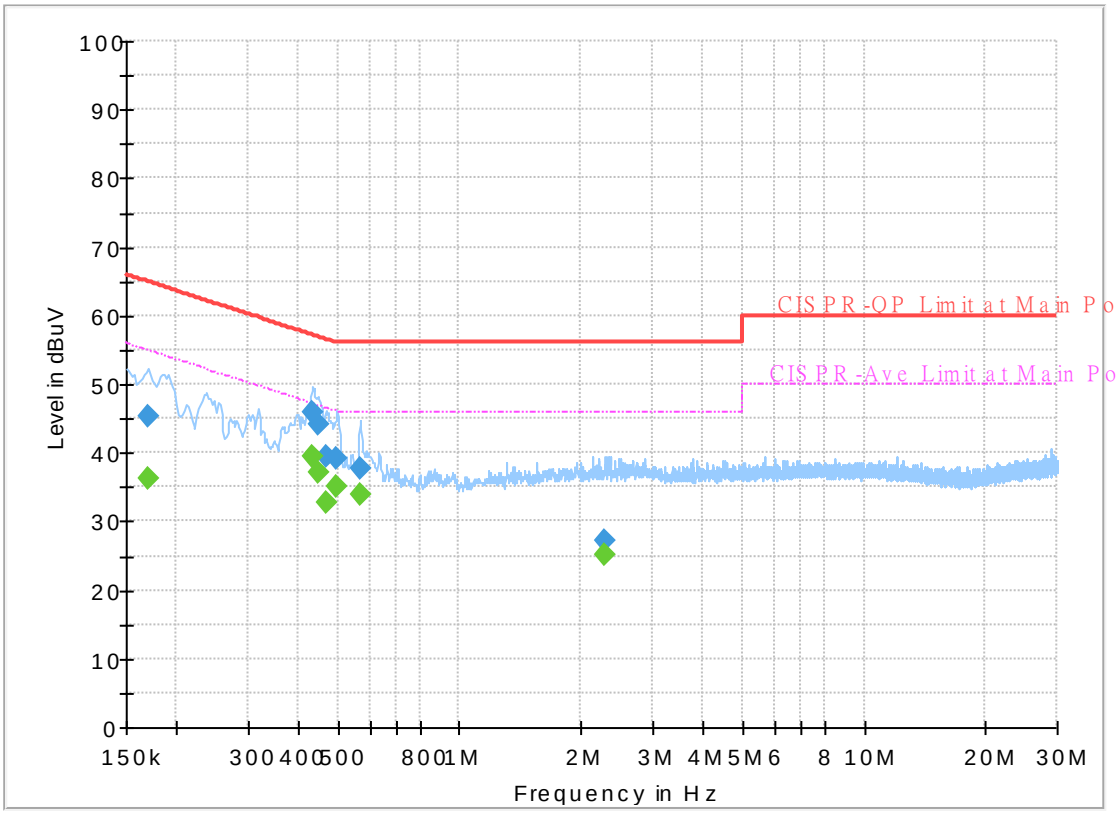
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	28.14	55.63	27.49	L1	OFF	19.7
0.156750	40.19	---	65.63	25.44	L1	OFF	19.7
0.236850	---	34.43	52.21	17.78	L1	OFF	19.7
0.236850	39.62	---	62.21	22.59	L1	OFF	19.7
0.429000	---	37.42	47.27	9.85	L1	OFF	19.8
0.429000	44.81	---	57.27	12.46	L1	OFF	19.8
0.451500	---	36.32	46.85	10.53	L1	OFF	19.8
0.451500	43.80	---	56.85	13.05	L1	OFF	19.8
0.469860	---	32.74	46.52	13.78	L1	OFF	19.8
0.469860	38.92	---	56.52	17.60	L1	OFF	19.8
0.500280	---	35.82	46.00	10.18	L1	OFF	19.9
0.500280	39.46	---	56.00	16.54	L1	OFF	19.9
2.472000	---	25.04	46.00	20.96	L1	OFF	20.2
2.472000	27.03	---	56.00	28.97	L1	OFF	20.2
12.338250	---	25.29	50.00	24.71	L1	OFF	20.3
12.338250	26.55	---	60.00	33.45	L1	OFF	20.3

EUT Information

Report NO :	110616
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	36.37	54.95	18.58	N	OFF	19.7
0.170250	45.28	---	64.95	19.67	N	OFF	19.7
0.433500	---	39.53	47.19	7.66	N	OFF	19.8
0.433500	45.79	---	57.19	11.40	N	OFF	19.8
0.449250	---	37.23	46.89	9.66	N	OFF	19.8
0.449250	44.07	---	56.89	12.82	N	OFF	19.8
0.469500	---	32.76	46.52	13.76	N	OFF	19.9
0.469500	39.35	---	56.52	17.17	N	OFF	19.9
0.498750	---	35.02	46.02	11.00	N	OFF	19.9
0.498750	39.24	---	56.02	16.78	N	OFF	19.9
0.568500	---	34.05	46.00	11.95	N	OFF	20.0
0.568500	37.77	---	56.00	18.23	N	OFF	20.0
2.296500	---	25.08	46.00	20.92	N	OFF	20.2
2.296500	27.08	---	56.00	28.92	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou, Caster Liao and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

<STBC Mode>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5144.82	62.11	-11.89	74	46.94	31.8	13.04	29.67	100	54	P	H
		5143	52.52	-1.48	54	37.35	31.8	13.04	29.67	100	54	A	H
	*	5180	123.05	-	-	107.96	31.68	13.09	29.68	100	54	P	H
	*	5180	116.45	-	-	101.36	31.68	13.09	29.68	100	54	A	H
													H
													H
		5142.22	57.11	-16.89	74	41.94	31.8	13.04	29.67	102	120	P	V
		5143	48.53	-5.47	54	33.36	31.8	13.04	29.67	102	120	A	V
	*	5180	119.08	-	-	103.99	31.68	13.09	29.68	102	120	P	V
	*	5180	111.91	-	-	96.82	31.68	13.09	29.68	102	120	A	V
													V
													V
802.11a CH 44 5220MHz		5093.86	57.1	-16.9	74	42.01	31.78	12.98	29.67	100	61	P	H
		5129.48	47.83	-6.17	54	32.68	31.8	13.02	29.67	100	61	A	H
	*	5220	123.42	-	-	108.48	31.48	13.15	29.69	100	61	P	H
	*	5220	116.93	-	-	101.99	31.48	13.15	29.69	100	61	A	H
		5405.68	55.45	-18.55	74	40.36	31.33	13.47	29.71	100	61	P	H
		5412.96	46.31	-7.69	54	31.17	31.38	13.48	29.72	100	61	A	H
		5139.1	55.02	-18.98	74	39.86	31.8	13.03	29.67	115	134	P	V
		5129.74	44.54	-9.46	54	29.39	31.8	13.02	29.67	115	134	A	V
	*	5220	120.61	-	-	105.67	31.48	13.15	29.69	115	134	P	V
	*	5220	113.31	-	-	98.37	31.48	13.15	29.69	115	134	A	V
		5459.72	54.09	-19.91	74	38.67	31.62	13.52	29.72	115	134	P	V
		5418	43.86	-10.14	54	28.68	31.41	13.49	29.72	115	134	A	V

802.11a CH 48 5240MHz		5139.36	57.07	-16.93	74	41.91	31.8	13.03	29.67	101	61	P	H
		5139.62	47.37	-6.63	54	32.21	31.8	13.03	29.67	101	61	A	H
	*	5240	123.56	-	-	108.71	31.36	13.18	29.69	101	61	P	H
	*	5240	116.9	-	-	102.05	31.36	13.18	29.69	101	61	A	H
		5454.68	56.49	-17.51	74	41.08	31.61	13.52	29.72	101	61	P	H
		5424.72	46	-8	54	30.78	31.45	13.49	29.72	101	61	A	H
		5117.78	54.57	-19.43	74	39.43	31.8	13.01	29.67	102	126	P	V
		5143	44.59	-9.41	54	29.42	31.8	13.04	29.67	102	126	A	V
	*	5240	120.71	-	-	105.86	31.36	13.18	29.69	102	126	P	V
	*	5240	113.52	-	-	98.67	31.36	13.18	29.69	102	126	A	V
		5379.36	54.2	-19.8	74	39.26	31.22	13.43	29.71	102	126	P	V
		5427.8	44.5	-9.5	54	29.26	31.47	13.49	29.72	102	126	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	53.67	-14.53	68.2	51.07	39.44	19.39	56.23	100	0	P	H
		15540	48.02	-25.98	74	42.23	37.98	23.22	55.41	100	0	P	H
		17978	59.62	-14.38	74	42.63	48.84	25.44	57.29	100	0	P	H
		17978	49.81	-4.19	54	32.82	48.84	25.44	57.29	100	0	A	H
		10360	51.22	-16.98	68.2	48.62	39.44	19.39	56.23	100	0	P	V
		15540	47.67	-26.33	74	41.88	37.98	23.22	55.41	100	0	P	V
		17923	59.33	-14.67	74	43.5	47.68	25.42	57.27	100	0	P	V
		17923	48.36	-5.64	54	32.53	47.68	25.42	57.27	100	0	A	V
802.11a CH 44 5220MHz		10440	53.04	-15.16	68.2	50.14	39.68	19.43	56.21	100	0	P	H
		15660	47.37	-26.63	74	41.92	37.56	23.32	55.43	100	0	P	H
		17956	59.37	-14.63	74	42.83	48.38	25.44	57.28	100	0	P	H
		17956	48.61	-5.39	54	32.07	48.38	25.44	57.28	100	0	A	H
		10440	51.31	-16.89	68.2	48.41	39.68	19.43	56.21	100	0	P	V
		15660	47.89	-26.11	74	42.44	37.56	23.32	55.43	100	0	P	V
		17989	59.67	-14.33	74	42.45	49.07	25.45	57.3	100	0	P	V
		17989	49.42	-4.58	54	32.2	49.07	25.45	57.3	100	0	A	V
802.11a CH 48 5240MHz		10480	54	-14.2	68.2	50.99	39.76	19.45	56.2	100	0	P	H
		15720	48.35	-25.65	74	43.06	37.38	23.35	55.44	100	0	P	H
		17956	59.13	-14.87	74	42.59	48.38	25.44	57.28	100	0	P	H
		17956	48.79	-5.21	54	32.25	48.38	25.44	57.28	100	0	A	H
		10480	52.51	-15.69	68.2	49.5	39.76	19.45	56.2	100	0	P	V
		15720	48.48	-25.52	74	43.19	37.38	23.35	55.44	100	0	P	V
		17956	58.86	-15.14	74	42.32	48.38	25.44	57.28	100	0	P	V
		17956	48.04	-5.96	54	31.5	48.38	25.44	57.28	100	0	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 (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.16	62.44	-11.56	74	47.27	31.8	13.04	29.67	100	59	P	H
		5147.94	53.25	-0.75	54	38.08	31.8	13.04	29.67	100	59	A	H
	*	5180	123.24	-	-	108.15	31.68	13.09	29.68	100	59	P	H
	*	5180	114.52	-	-	99.43	31.68	13.09	29.68	100	59	A	H
802.11ax													H
HE20 Full													H
CH 36		5145.6	55.65	-18.35	74	40.48	31.8	13.04	29.67	100	105	P	V
5180MHz		5145.6	45.72	-8.28	54	30.55	31.8	13.04	29.67	100	105	A	V
	*	5180	119.74	-	-	104.65	31.68	13.09	29.68	100	105	P	V
	*	5180	109.2	-	-	94.11	31.68	13.09	29.68	100	105	A	V
													V
													V
		5146.9	56.27	-17.73	74	41.1	31.8	13.04	29.67	100	20	P	H
		5147.42	46.59	-7.41	54	31.42	31.8	13.04	29.67	100	20	A	H
	*	5220	125.16	-	-	110.22	31.48	13.15	29.69	100	20	P	H
	*	5220	116.77	-	-	101.83	31.48	13.15	29.69	100	20	A	H
802.11ax		5398.4	56.33	-17.67	74	41.28	31.29	13.47	29.71	100	20	P	H
HE20 Full		5419.96	46.92	-7.08	54	31.73	31.42	13.49	29.72	100	20	A	H
CH 44		5124.8	55.69	-18.31	74	40.54	31.8	13.02	29.67	100	113	P	V
5220MHz		5088.14	45.14	-8.86	54	30.08	31.75	12.97	29.66	100	113	A	V
	*	5220	122.62	-	-	107.68	31.48	13.15	29.69	100	113	P	V
	*	5220	113.1	-	-	98.16	31.48	13.15	29.69	100	113	A	V
		5403.16	54.36	-19.64	74	39.28	31.32	13.47	29.71	100	113	P	V
		5413.52	44.34	-9.66	54	29.2	31.38	13.48	29.72	100	113	A	V

		5148.46	58.38	-15.62	74	43.2	31.8	13.05	29.67	100	56	P	H
		5147.94	48.41	-5.59	54	33.24	31.8	13.04	29.67	100	56	A	H
	*	5240	126.99	-	-	112.14	31.36	13.18	29.69	100	56	P	H
	*	5240	117.46	-	-	102.61	31.36	13.18	29.69	100	56	A	H
802.11ax		5403.16	55.4	-18.6	74	40.32	31.32	13.47	29.71	100	56	P	H
HE20 Full		5435.92	45.9	-8.1	54	30.6	31.52	13.5	29.72	100	56	A	H
CH 48		5119.6	54.33	-19.67	74	39.19	31.8	13.01	29.67	100	122	P	V
5240MHz		5150	44.2	-9.8	54	29.02	31.8	13.05	29.67	100	122	A	V
	*	5240	122.44	-	-	107.59	31.36	13.18	29.69	100	122	P	V
	*	5240	112.49	-	-	97.64	31.36	13.18	29.69	100	122	A	V
		5439	54.18	-19.82	74	38.87	31.53	13.5	29.72	100	122	P	V
		5429.2	44.12	-9.88	54	28.87	31.48	13.49	29.72	100	122	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	53.49	-14.71	68.2	50.89	39.44	19.39	56.23	100	0	P	H
		15540	48.69	-25.31	74	42.9	37.98	23.22	55.41	100	0	P	H
		17978	59.68	-14.32	74	42.69	48.84	25.44	57.29	100	0	P	H
		17978	49.41	-4.59	54	32.42	48.84	25.44	57.29	100	0	A	H
		10360	50.51	-17.69	68.2	47.91	39.44	19.39	56.23	100	0	P	V
		15540	49.01	-24.99	74	43.22	37.98	23.22	55.41	100	0	P	V
		17967	59.11	-14.89	74	42.35	48.61	25.44	57.29	100	0	P	V
		17967	48.3	-5.7	54	31.54	48.61	25.44	57.29	100	0	A	V
802.11ax HE20 Full CH 44 5220MHz		10440	50.63	-17.57	68.2	47.73	39.68	19.43	56.21	100	0	P	H
		15660	47.63	-26.37	74	42.18	37.56	23.32	55.43	100	0	P	H
		17978	59.61	-14.39	74	42.62	48.84	25.44	57.29	100	0	P	H
		17978	49.5	-4.5	54	32.51	48.84	25.44	57.29	100	0	A	H
		10440	50.2	-18	68.2	47.3	39.68	19.43	56.21	100	0	P	V
		15660	47.53	-26.47	74	42.08	37.56	23.32	55.43	100	0	P	V
		17978	59.31	-14.69	74	42.32	48.84	25.44	57.29	100	0	P	V
		17978	48.86	-5.14	54	31.87	48.84	25.44	57.29	100	0	A	V
802.11ax HE20 Full CH 48 5240MHz		10480	51.86	-16.34	68.2	48.85	39.76	19.45	56.2	100	0	P	H
		15720	46.84	-27.16	74	41.55	37.38	23.35	55.44	100	0	P	H
		17934	59.24	-14.76	74	43.17	47.91	25.43	57.27	100	0	P	H
		17934	48.94	-5.06	54	32.87	47.91	25.43	57.27	100	0	A	H
		10480	49.97	-18.23	68.2	46.96	39.76	19.45	56.2	100	0	P	V
		15720	47.41	-26.59	74	42.12	37.38	23.35	55.44	100	0	P	V
		17978	59.61	-14.39	74	42.62	48.84	25.44	57.29	100	0	P	V
		17978	48.58	-5.42	54	31.59	48.84	25.44	57.29	100	0	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 M unmod tone (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.42	64.73	-9.27	74	49.56	31.8	13.04	29.67	100	201	P	H
		5147.94	50.1	-3.9	54	34.93	31.8	13.04	29.67	100	201	A	H
	*	5180	118.46	-	-	103.37	31.68	13.09	29.68	100	201	P	H
802.11ax	*	5180	110.53	-	-	95.44	31.68	13.09	29.68	100	201	A	H
HE20													H
M unmod													H
tone		5148.72	64.57	-9.43	74	49.39	31.8	13.05	29.67	100	101	P	V
CH 36		5148.2	51.21	-2.79	54	36.03	31.8	13.05	29.67	100	101	A	V
5180MHz	*	5180	116.28	-	-	101.19	31.68	13.09	29.68	100	101	P	V
	*	5180	107.91	-	-	92.82	31.68	13.09	29.68	100	101	A	V
													V
													V
		5148.2	64.37	-9.63	74	49.19	31.8	13.05	29.67	100	55	P	H
		5147.16	52.97	-1.03	54	37.8	31.8	13.04	29.67	100	55	A	H
	*	5220	125.65	-	-	110.71	31.48	13.15	29.69	100	55	P	H
802.11ax	*	5220	118.98	-	-	104.04	31.48	13.15	29.69	100	55	A	H
HE20		5417.16	57.66	-16.34	74	42.5	31.4	13.48	29.72	100	55	P	H
M unmod		5403.44	48.79	-5.21	54	33.71	31.32	13.47	29.71	100	55	A	H
tone		5149.5	61.74	-12.26	74	46.56	31.8	13.05	29.67	100	118	P	V
CH 44		5148.72	49.17	-4.83	54	33.99	31.8	13.05	29.67	100	118	A	V
5220MHz	*	5220	121.86	-	-	106.92	31.48	13.15	29.69	100	118	P	V
	*	5220	113.86	-	-	98.92	31.48	13.15	29.69	100	118	A	V
		5414.92	55.92	-18.08	74	40.77	31.39	13.48	29.72	100	118	P	V
		5404.28	46.85	-7.15	54	31.76	31.33	13.47	29.71	100	118	A	V

802.11ax HE20 M unmod tone CH 48 5240MHz		5138.58	59.92	-14.08	74	44.76	31.8	13.03	29.67	100	57	P	H
		5148.2	51.31	-2.69	54	36.13	31.8	13.05	29.67	100	57	A	H
	*	5240	125.52	-	-	110.67	31.36	13.18	29.69	100	57	P	H
	*	5240	118.03	-	-	103.18	31.36	13.18	29.69	100	57	A	H
		5368.44	57.36	-16.64	74	42.49	31.17	13.41	29.71	100	57	P	H
		5352.48	48.3	-5.7	54	33.52	31.11	13.38	29.71	100	57	A	H
		5149.76	58.86	-15.14	74	43.68	31.8	13.05	29.67	100	118	P	V
		5149.76	46.86	-7.14	54	31.68	31.8	13.05	29.67	100	118	A	V
	*	5240	122.24	-	-	107.39	31.36	13.18	29.69	100	118	P	V
	*	5240	114.09	-	-	99.24	31.36	13.18	29.69	100	118	A	V
		5388.32	57.3	-16.7	74	42.31	31.25	13.45	29.71	100	118	P	V
		5425.84	47.15	-6.85	54	31.92	31.46	13.49	29.72	100	118	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 BE unmod tone (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5122.98	57.51	-16.49	74	42.37	31.8	13.01	29.67	100	56	P	H
		5150	48.55	-5.45	54	33.37	31.8	13.05	29.67	100	56	A	H
	*	5180	120.88	-	-	105.79	31.68	13.09	29.68	100	56	P	H
802.11ax	*	5180	112.94	-	-	97.85	31.68	13.09	29.68	100	56	A	H
HE20													H
BE unmod													H
tone		5141.96	54.43	-19.57	74	39.26	31.8	13.04	29.67	100	235	P	V
CH 36		5128.44	44.23	-9.77	54	29.08	31.8	13.02	29.67	100	235	A	V
5180MHz	*	5180	116.84	-	-	101.75	31.68	13.09	29.68	100	235	P	V
	*	5180	107.14	-	-	92.05	31.68	13.09	29.68	100	235	A	V
													V
													V
		5141.44	57.68	-16.32	74	42.51	31.8	13.04	29.67	101	22	P	H
		5128.44	49.32	-4.68	54	34.17	31.8	13.02	29.67	101	22	A	H
	*	5220	125.28	-	-	110.34	31.48	13.15	29.69	101	22	P	H
802.11ax	*	5220	117.75	-	-	102.81	31.48	13.15	29.69	101	22	A	H
HE20		5377.96	58.84	-15.16	74	43.91	31.21	13.43	29.71	101	22	P	H
BE unmod		5416.04	50.12	-3.88	54	34.96	31.4	13.48	29.72	101	22	A	H
tone		5129.22	56.41	-17.59	74	41.26	31.8	13.02	29.67	100	101	P	V
CH 44		5088.14	47.84	-6.16	54	32.78	31.75	12.97	29.66	100	101	A	V
5220MHz	*	5220	123.1	-	-	108.16	31.48	13.15	29.69	100	101	P	V
	*	5220	113.67	-	-	98.73	31.48	13.15	29.69	100	101	A	V
		5412.68	56.06	-17.94	74	40.92	31.38	13.48	29.72	100	101	P	V
		5458.04	46.06	-7.94	54	30.64	31.62	13.52	29.72	100	101	A	V

802.11ax HE20 BE unmod tone CH 48 5240MHz		5148.2	58.34	-15.66	74	43.16	31.8	13.05	29.67	115	20	P	H
		5148.2	49.4	-4.6	54	34.22	31.8	13.05	29.67	115	20	A	H
	*	5240	125.65	-	-	110.8	31.36	13.18	29.69	115	20	P	H
	*	5240	118.04	-	-	103.19	31.36	13.18	29.69	115	20	A	H
		5411.84	59.3	-14.7	74	44.17	31.37	13.48	29.72	115	20	P	H
		5435.36	49.87	-4.13	54	34.58	31.51	13.5	29.72	115	20	A	H
		5028.6	54.99	-19.01	74	40.18	31.56	12.9	29.65	101	126	P	V
		5143.26	46.09	-7.91	54	30.92	31.8	13.04	29.67	101	126	A	V
	*	5240	123.23	-	-	108.38	31.36	13.18	29.69	101	126	P	V
	*	5240	113.8	-	-	98.95	31.36	13.18	29.69	101	126	A	V
		5386.08	55.7	-18.3	74	40.73	31.24	13.44	29.71	101	126	P	V
		5429.2	46.27	-7.73	54	31.02	31.48	13.49	29.72	101	126	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 (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.2	63.6	-10.4	74	48.42	31.8	13.05	29.67	100	55	P	H
		5148.2	53.26	-0.74	54	38.08	31.8	13.05	29.67	100	55	A	H
	*	5190	118.91	-	-	103.85	31.64	13.1	29.68	100	55	P	H
	*	5190	108.93	-	-	93.87	31.64	13.1	29.68	100	55	A	H
		5391.68	55.23	-18.77	74	40.21	31.27	13.46	29.71	100	55	P	H
		5395.6	44.09	-9.91	54	29.06	31.28	13.46	29.71	100	55	A	H
		5142.74	55.93	-18.07	74	40.76	31.8	13.04	29.67	100	124	P	V
		5143.78	46.15	-7.85	54	30.98	31.8	13.04	29.67	100	124	A	V
	*	5190	115.03	-	-	99.97	31.64	13.1	29.68	100	124	P	V
	*	5190	104.56	-	-	89.5	31.64	13.1	29.68	100	124	A	V
		5426.96	53.69	-20.31	74	38.46	31.46	13.49	29.72	100	124	P	V
		5448.8	43.04	-10.96	54	27.66	31.59	13.51	29.72	100	124	A	V
802.11ax HE40 Full CH 46 5230MHz		5135.98	61.39	-12.61	74	46.23	31.8	13.03	29.67	100	54	P	H
		5148.2	51.75	-2.25	54	36.57	31.8	13.05	29.67	100	54	A	H
	*	5230	122.91	-	-	108.02	31.42	13.16	29.69	100	54	P	H
	*	5230	113.76	-	-	98.87	31.42	13.16	29.69	100	54	A	H
		5410.16	56.3	-17.7	74	41.18	31.36	13.48	29.72	100	54	P	H
		5362.56	45.86	-8.14	54	31.02	31.15	13.4	29.71	100	54	A	H
		5137.54	58.53	-15.47	74	43.37	31.8	13.03	29.67	100	121	P	V
		5137.28	47.25	-6.75	54	32.09	31.8	13.03	29.67	100	121	A	V
	*	5230	119.15	-	-	104.26	31.42	13.16	29.69	100	121	P	V
	*	5230	110.04	-	-	95.15	31.42	13.16	29.69	100	121	A	V
		5358.08	54.5	-19.5	74	39.69	31.13	13.39	29.71	100	121	P	V
		5409.04	44.09	-9.91	54	28.98	31.35	13.48	29.72	100	121	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	52.71	-15.49	68.2	50.01	39.52	19.4	56.22	100	0	P	H
		15570	46.99	-27.01	74	41.26	37.89	23.25	55.41	100	0	P	H
		17978	59.72	-14.28	74	42.73	48.84	25.44	57.29	100	0	P	H
		17978	49.5	-4.5	54	32.51	48.84	25.44	57.29	100	0	A	H
		10380	50.24	-17.96	68.2	47.54	39.52	19.4	56.22	100	0	P	V
		15570	46.99	-27.01	74	41.26	37.89	23.25	55.41	100	0	P	V
		17978	59.51	-14.49	74	42.52	48.84	25.44	57.29	100	0	P	V
		17978	48.87	-5.13	54	31.88	48.84	25.44	57.29	100	0	A	V
802.11ax HE40 Full CH 46 5230MHz		10460	50.72	-17.48	68.2	47.77	39.72	19.44	56.21	100	0	P	H
		15690	46.96	-27.04	74	41.62	37.44	23.34	55.44	100	0	P	H
		17912	59.61	-14.39	74	44	47.45	25.42	57.26	100	0	P	H
		17912	48.62	-5.38	54	33.01	47.45	25.42	57.26	100	0	A	H
		10460	49.7	-18.5	68.2	46.75	39.72	19.44	56.21	100	0	P	V
		15690	47.47	-26.53	74	42.13	37.44	23.34	55.44	100	0	P	V
		17901	58.84	-15.16	74	43.46	47.22	25.42	57.26	100	0	P	V
		17901	48.25	-5.75	54	32.87	47.22	25.42	57.26	100	0	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 M unmod tone (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 M unmod tone CH 38 5190MHz		5148.46	62.91	-11.09	74	47.73	31.8	13.05	29.67	100	57	P	H
		5148.98	52.69	-1.31	54	37.51	31.8	13.05	29.67	100	57	A	H
	*	5190	115.56	-	-	100.5	31.64	13.1	29.68	100	57	P	H
	*	5190	107.42	-	-	92.36	31.64	13.1	29.68	100	57	A	H
		5359.76	55.73	-18.27	74	40.9	31.14	13.4	29.71	100	57	P	H
		5398.96	44.9	-9.1	54	29.84	31.3	13.47	29.71	100	57	A	H
		5144.56	59.61	-14.39	74	44.44	31.8	13.04	29.67	100	104	P	V
		5150.02	47.7	-102.3	150	32.52	31.8	13.05	29.67	100	104	A	V
	*	5190	113.03	-	-	97.97	31.64	13.1	29.68	100	104	P	V
	*	5190	103.65	-	-	88.59	31.64	13.1	29.68	100	104	A	V
		5396.44	54.64	-19.36	74	39.6	31.29	13.46	29.71	100	104	P	V
		5449.08	43.82	-10.18	54	28.44	31.59	13.51	29.72	100	104	A	V
802.11ax HE40 M unmod tone CH 46 5230MHz		5109.98	65.8	-8.2	74	50.67	31.8	13	29.67	100	58	P	H
		5149.5	52.91	-1.09	54	37.73	31.8	13.05	29.67	100	58	A	H
	*	5230	120.59	-	-	105.7	31.42	13.16	29.69	100	58	P	H
	*	5230	112.44	-	-	97.55	31.42	13.16	29.69	100	58	A	H
		5350.8	58.18	-15.82	74	43.41	31.1	13.38	29.71	100	58	P	H
		5353.04	47.28	-6.72	54	32.49	31.11	13.39	29.71	100	58	A	H
		5110.76	63.59	-10.41	74	48.46	31.8	13	29.67	100	118	P	V
		5149.76	48.19	-5.81	54	33.01	31.8	13.05	29.67	100	118	A	V
	*	5230	118.66	-	-	103.77	31.42	13.16	29.69	100	118	P	V
	*	5230	109.34	-	-	94.45	31.42	13.16	29.69	100	118	A	V
		5376.28	55.78	-18.22	74	40.85	31.21	13.43	29.71	100	118	P	V
		5412.12	46.07	-7.93	54	30.94	31.37	13.48	29.72	100	118	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 BE unmod tone (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 BE unmod tone CH 38 5190MHz		5141.7	70.47	-3.53	74	55.3	31.8	13.04	29.67	100	59	P	H
		5140.92	52.8	-1.2	54	37.63	31.8	13.04	29.67	100	59	A	H
	*	5190	119.97	-	-	104.91	31.64	13.1	29.68	100	59	P	H
	*	5190	111.34	-	-	96.28	31.64	13.1	29.68	100	59	A	H
		5437.32	57.52	-16.48	74	42.22	31.52	13.5	29.72	100	59	P	H
		5391.96	47.03	-6.97	54	32.01	31.27	13.46	29.71	100	59	A	H
		5141.7	67.83	-6.17	74	52.66	31.8	13.04	29.67	100	100	P	V
		5148.98	48.97	-5.03	54	33.79	31.8	13.05	29.67	100	100	A	V
	*	5190	115.94	-	-	100.88	31.64	13.1	29.68	100	100	P	V
	*	5190	107.64	-	-	92.58	31.64	13.1	29.68	100	100	A	V
		5442.92	55.72	-18.28	74	40.37	31.56	13.51	29.72	100	100	P	V
		5445.16	44.67	-9.33	54	29.31	31.57	13.51	29.72	100	100	A	V
802.11ax HE40 BE unmod tone CH 46 5230MHz		5133.12	64.64	-9.36	74	49.48	31.8	13.03	29.67	101	60	P	H
		5149.5	52.39	-1.61	54	37.21	31.8	13.05	29.67	101	60	A	H
	*	5230	123.05	-	-	108.16	31.42	13.16	29.69	101	60	P	H
	*	5230	115.14	-	-	100.25	31.42	13.16	29.69	101	60	A	H
		5421.64	59.21	-14.79	74	44.01	31.43	13.49	29.72	101	60	P	H
		5375.72	49.49	-4.51	54	34.57	31.2	13.43	29.71	101	60	A	H
		5149.24	56.66	-17.34	74	41.48	31.8	13.05	29.67	100	125	P	V
		5139.62	47.14	-6.86	54	31.98	31.8	13.03	29.67	100	125	A	V
	*	5230	119.43	-	-	104.54	31.42	13.16	29.69	100	125	P	V
	*	5230	111.59	-	-	96.7	31.42	13.16	29.69	100	125	A	V
		5375.44	56.52	-17.48	74	41.6	31.2	13.43	29.71	100	125	P	V
		5375.44	46.89	-7.11	54	31.97	31.2	13.43	29.71	100	125	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 (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5147.42	61.05	-12.95	74	45.88	31.8	13.04	29.67	100	54	P	H
		5147.94	53.11	-0.89	54	37.94	31.8	13.04	29.67	100	54	A	H
	*	5210	114.81	-	-	99.82	31.54	13.13	29.68	100	54	P	H
	*	5210	104.83	-	-	89.84	31.54	13.13	29.68	100	54	A	H
		5441.8	54.19	-19.81	74	38.85	31.55	13.51	29.72	100	54	P	H
		5398.4	44.37	-9.63	54	29.32	31.29	13.47	29.71	100	54	A	H
		5115.44	56.17	-17.83	74	41.04	31.8	13	29.67	100	121	P	V
		5137.02	47.04	-6.96	54	31.88	31.8	13.03	29.67	100	121	A	V
	*	5210	110.95	-	-	95.96	31.54	13.13	29.68	100	121	P	V
	*	5210	100.74	-	-	85.75	31.54	13.13	29.68	100	121	A	V
		5412.4	53.2	-20.8	74	38.07	31.37	13.48	29.72	100	121	P	V
		5459.72	43.08	-10.92	54	27.66	31.62	13.52	29.72	100	121	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	51.78	-16.42	68.2	48.94	39.64	19.42	56.22	100	0	P	H
		15630	47.11	-26.89	74	41.57	37.68	23.29	55.43	100	0	P	H
802.11ax													H
HE80 Full													H
CH 42		10420	48.92	-19.28	68.2	46.08	39.64	19.42	56.22	100	0	P	V
5210MHz		15630	47.07	-26.93	74	41.53	37.68	23.29	55.43	100	0	P	V
													V
													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 M unmod tone (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 M unmod tone CH 42 5210MHz		5121.68	64.67	-9.33	74	49.53	31.8	13.01	29.67	101	56	P	H
		5121.68	52.89	-1.11	54	37.75	31.8	13.01	29.67	101	56	A	H
	*	5210	111.63	-	-	96.64	31.54	13.13	29.68	101	56	P	H
	*	5210	100.7	-	-	85.71	31.54	13.13	29.68	101	56	A	H
		5429.2	54.11	-19.89	74	38.86	31.48	13.49	29.72	101	56	P	H
		5460	43	-11	54	27.58	31.62	13.52	29.72	101	56	A	H
		5117.26	59.04	-14.96	74	43.9	31.8	13.01	29.67	101	119	P	V
		5124.28	48.05	-5.95	54	32.9	31.8	13.02	29.67	101	119	A	V
	*	5210	106.53	-	-	91.54	31.54	13.13	29.68	101	119	P	V
	*	5210	96.31	-	-	81.32	31.54	13.13	29.68	101	119	A	V
		5432	53.57	-20.43	74	38.3	31.49	13.5	29.72	101	119	P	V
		5456.64	42.94	-11.06	54	27.53	31.61	13.52	29.72	101	119	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 BE unmod tone (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 BE unmod tone CH 42 5210MHz		5136.76	69.16	-4.84	74	54	31.8	13.03	29.67	101	55	P	H
		5148.46	52.13	-1.87	54	36.95	31.8	13.05	29.67	101	55	A	H
	*	5210	113.64	-	-	98.65	31.54	13.13	29.68	101	55	P	H
	*	5210	105.22	-	-	90.23	31.54	13.13	29.68	101	55	A	H
		5379.64	54.85	-19.15	74	39.91	31.22	13.43	29.71	101	55	P	H
		5396.72	44.77	-9.23	54	29.73	31.29	13.46	29.71	101	55	A	H
		5114.14	63.62	-10.38	74	48.49	31.8	13	29.67	101	119	P	V
		5150	50.15	-3.85	54	34.97	31.8	13.05	29.67	101	119	A	V
	*	5210	110.7	-	-	95.71	31.54	13.13	29.68	101	119	P	V
	*	5210	100.85	-	-	85.86	31.54	13.13	29.68	101	119	A	V
		5395.6	53.86	-20.14	74	38.83	31.28	13.46	29.71	101	119	P	V
		5411	43.76	-10.24	54	28.63	31.37	13.48	29.72	101	119	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11ax HE40 (SHF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
10+11+12+13		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 SHF		28692	40.9	-27.3	68.2	39.85	40.05	15.33	54.33	150	0	P	H
		37184	46.13	-22.07	68.2	41.44	42.76	18.85	56.92	150	0	P	H
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													H
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													H
													H
													H
		22048	39.56	-34.44	74	42.82	37.98	12.17	53.41	150	0	P	V
		29792	42.28	-25.92	68.2	40.93	40.27	15.91	54.83	150	0	P	V
													V
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													V
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													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ax HE40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
10+11+12+13		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 LF		89.17	31.44	-12.06	43.5	47.96	14.69	1.44	32.65	-	-	P	H
		306.45	27.56	-18.44	46	37.83	19.33	2.94	32.54	-	-	P	H
		500.45	30.72	-15.28	46	35.44	24.16	3.78	32.66	-	-	P	H
		712.88	34.73	-11.27	46	35.68	26.89	4.62	32.46	100	0	P	H
		829.28	31.8	-14.2	46	31.01	28.5	5.02	32.73	-	-	P	H
		903	32.56	-13.44	46	30.39	29.23	5.31	32.37	-	-	P	H
													H
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													H
													H
													H
													H
		51.34	33.34	-6.66	40	51.48	13.71	0.99	32.84	100	327	Q	V
		63.95	35.74	-4.26	40	55.41	11.94	1.17	32.78	187	6	Q	V
		181.32	32.02	-11.48	43.5	47.54	15.12	2.21	32.85	-	-	P	V
		500.45	34.83	-11.17	46	39.55	24.16	3.78	32.66	-	-	P	V
		715.79	37.62	-8.38	46	38.47	27	4.62	32.47	-	-	P	V
		881.66	32.1	-13.9	46	30.26	29.12	5.22	32.5	-	-	P	V
													V
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													V

Remark

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

<TXBF Mode>

Band 1 - 5150~5250MHz

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

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
10+11+12+13		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5148.98	58.68	-15.32	74	43.5	31.8	13.05	29.67	100	57	P	H
		5150	50.33	-3.67	54	35.15	31.8	13.05	29.67	100	57	A	H
	*	5180	119.26	-	-	104.17	31.68	13.09	29.68	100	57	P	H
	*	5180	109.85	-	-	94.76	31.68	13.09	29.68	100	57	A	H
802.11ax													H
HE20 Full													H
CH 36		5148.98	57.94	-16.06	74	42.76	31.8	13.05	29.67	100	106	P	V
5180MHz		5150.02	48.98	-101.02	150	33.8	31.8	13.05	29.67	100	106	A	V
	*	5180	118.01	-	-	102.92	31.68	13.09	29.68	100	106	P	V
	*	5180	107.74	-	-	92.65	31.68	13.09	29.68	100	106	A	V
													V
													V
		5020.8	56.26	-17.74	74	41.48	31.54	12.89	29.65	100	54	P	H
		5132.34	46.87	-7.13	54	31.71	31.8	13.03	29.67	100	54	A	H
	*	5220	121.6	-	-	106.66	31.48	13.15	29.69	100	54	P	H
	*	5220	112.68	-	-	97.74	31.48	13.15	29.69	100	54	A	H
802.11ax		5430.88	54.92	-19.08	74	39.65	31.49	13.5	29.72	100	54	P	H
HE20 Full		5403.72	45.07	-8.93	54	29.99	31.32	13.47	29.71	100	54	A	H
CH 44		5139.36	54.38	-19.62	74	39.22	31.8	13.03	29.67	100	106	P	V
5220MHz		5128.18	45.27	-8.73	54	30.12	31.8	13.02	29.67	100	106	A	V
	*	5220	120.5	-	-	105.56	31.48	13.15	29.69	100	106	P	V
	*	5220	111.52	-	-	96.58	31.48	13.15	29.69	100	106	A	V
		5386.92	54.67	-19.33	74	39.68	31.25	13.45	29.71	100	106	P	V
		5376	46.41	-7.59	54	31.49	31.2	13.43	29.71	100	106	A	V

		5142.22	55.94	-18.06	74	40.77	31.8	13.04	29.67	100	56	P	H
		5140.4	46.56	-7.44	54	31.39	31.8	13.04	29.67	100	56	A	H
	*	5240	121.6	-	-	106.75	31.36	13.18	29.69	100	56	P	H
	*	5240	112.23	-	-	97.38	31.36	13.18	29.69	100	56	A	H
802.11ax		5384.12	55.11	-18.89	74	40.14	31.24	13.44	29.71	100	56	P	H
HE20 Full		5424.16	45.1	-8.9	54	29.89	31.44	13.49	29.72	100	56	A	H
CH 48		5056.16	54.85	-19.15	74	39.96	31.62	12.93	29.66	100	123	P	V
5240MHz		5149.5	44.6	-9.4	54	29.42	31.8	13.05	29.67	100	123	A	V
	*	5240	121.3	-	-	106.45	31.36	13.18	29.69	100	123	P	V
	*	5240	111.99	-	-	97.14	31.36	13.18	29.69	100	123	A	V
		5442.64	55.07	-18.93	74	39.72	31.56	13.51	29.72	100	123	P	V
		5376.28	44.99	-9.01	54	30.06	31.21	13.43	29.71	100	123	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		10360	49.41	-18.79	68.2	46.81	39.44	19.39	56.23	100	0	P	H
		15540	46.93	-27.07	74	41.14	37.98	23.22	55.41	100	0	P	H
		17978	58.75	-15.25	74	41.76	48.84	25.44	57.29	100	0	P	H
		17978	47.77	-6.23	54	30.78	48.84	25.44	57.29	100	0	A	H
		10360	49.54	-18.66	68.2	46.94	39.44	19.39	56.23	100	0	P	V
		15540	47.16	-26.84	74	41.37	37.98	23.22	55.41	100	0	P	V
		17978	59.26	-14.74	74	42.27	48.84	25.44	57.29	100	0	P	V
		17978	47.18	-6.82	54	30.19	48.84	25.44	57.29	100	0	A	V
802.11ax HE20 Full CH 44 5220MHz		10440	48.24	-19.96	68.2	45.34	39.68	19.43	56.21	100	0	P	H
		15660	47.5	-26.5	74	42.05	37.56	23.32	55.43	100	0	P	H
		17978	59.53	-14.47	74	42.54	48.84	25.44	57.29	100	0	P	H
		17978	47.6	-6.4	54	30.61	48.84	25.44	57.29	100	0	A	H
		10440	48.59	-19.61	68.2	45.69	39.68	19.43	56.21	100	0	P	V
		15660	46.77	-27.23	74	41.32	37.56	23.32	55.43	100	0	P	V
		17978	59.14	-14.86	74	42.15	48.84	25.44	57.29	100	0	P	V
		17978	47.5	-6.5	54	30.51	48.84	25.44	57.29	100	0	A	V
802.11ax HE20 Full CH 48 5240MHz		10480	49.09	-19.11	68.2	46.08	39.76	19.45	56.2	100	0	P	H
		15720	46.25	-27.75	74	40.96	37.38	23.35	55.44	100	0	P	H
		17978	58.43	-15.57	74	41.44	48.84	25.44	57.29	100	0	P	H
		17978	47.51	-6.49	54	30.52	48.84	25.44	57.29	100	0	A	H
		10480	49.23	-18.97	68.2	46.22	39.76	19.45	56.2	100	0	P	V
		15720	46.21	-27.79	74	40.92	37.38	23.35	55.44	100	0	P	V
		17978	59.29	-14.71	74	42.3	48.84	25.44	57.29	100	0	P	V
		17978	47.41	-6.59	54	30.42	48.84	25.44	57.29	100	0	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 (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5137.54	60.08	-13.92	74	44.92	31.8	13.03	29.67	100	55	P	H
		5138.32	51.03	-2.97	54	35.87	31.8	13.03	29.67	100	55	A	H
	*	5190	116.75	-	-	101.69	31.64	13.1	29.68	100	55	P	H
	*	5190	107.93	-	-	92.87	31.64	13.1	29.68	100	55	A	H
		5412.68	52.99	-21.01	74	37.85	31.38	13.48	29.72	100	55	P	H
		5394.76	45.31	-8.69	54	30.28	31.28	13.46	29.71	100	55	A	H
		5142.22	58.57	-15.43	74	43.4	31.8	13.04	29.67	100	106	P	V
		5143	48.58	-5.42	54	33.41	31.8	13.04	29.67	100	106	A	V
	*	5190	117.74	-	-	102.68	31.64	13.1	29.68	100	106	P	V
	*	5190	106.96	-	-	91.9	31.64	13.1	29.68	100	106	A	V
		5362.84	54.2	-19.8	74	39.36	31.15	13.4	29.71	100	106	P	V
		5376	45.65	-8.35	54	30.73	31.2	13.43	29.71	100	106	A	V
802.11ax HE40 Full CH 46 5230MHz		5140.92	59.56	-14.44	74	44.39	31.8	13.04	29.67	100	55	P	H
		5138.84	49.47	-4.53	54	34.31	31.8	13.03	29.67	100	55	A	H
	*	5230	121.24	-	-	106.35	31.42	13.16	29.69	100	55	P	H
	*	5230	111.6	-	-	96.71	31.42	13.16	29.69	100	55	A	H
		5369	55.72	-18.28	74	40.84	31.18	13.41	29.71	100	55	P	H
		5376	46	-8	54	31.08	31.2	13.43	29.71	100	55	A	H
		5109.2	59.45	-14.55	74	44.32	31.8	13	29.67	100	110	P	V
		5143	46.99	-7.01	54	31.82	31.8	13.04	29.67	100	110	A	V
	*	5230	119	-	-	104.11	31.42	13.16	29.69	100	110	P	V
	*	5230	108.9	-	-	94.01	31.42	13.16	29.69	100	110	A	V
		5351.36	56.36	-17.64	74	41.58	31.11	13.38	29.71	100	110	P	V
		5376	47.25	-6.75	54	32.33	31.2	13.43	29.71	100	110	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	49.01	-19.19	68.2	46.31	39.52	19.4	56.22	100	0	P	H
		15570	46.95	-27.05	74	41.22	37.89	23.25	55.41	100	0	P	H
		17978	58.69	-15.31	74	41.7	48.84	25.44	57.29	100	0	P	H
		17978	47.32	-6.68	54	30.33	48.84	25.44	57.29	100	0	A	H
		10380	48.43	-19.77	68.2	45.73	39.52	19.4	56.22	100	0	P	V
		15570	47.49	-26.51	74	41.76	37.89	23.25	55.41	100	0	P	V
		17978	59.61	-14.39	74	42.62	48.84	25.44	57.29	100	0	P	V
		17978	47.7	-6.3	54	30.71	48.84	25.44	57.29	100	0	A	V
802.11ax HE40 Full CH 46 5230MHz		10460	48.27	-19.93	68.2	45.32	39.72	19.44	56.21	100	0	P	H
		15690	46.4	-27.6	74	41.06	37.44	23.34	55.44	100	0	P	H
		17989	59.6	-14.4	74	42.38	49.07	25.45	57.3	100	0	P	H
		17989	47.48	-6.52	54	30.26	49.07	25.45	57.3	100	0	A	H
		10460	48.18	-20.02	68.2	45.23	39.72	19.44	56.21	100	0	P	V
		15690	46.31	-27.69	74	40.97	37.44	23.34	55.44	100	0	P	V
		17989	58.64	-15.36	74	41.42	49.07	25.45	57.3	100	0	P	V
		17989	47.86	-6.14	54	30.64	49.07	25.45	57.3	100	0	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 (Band Edge @ 3m)

WIFI Ant. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5138.06	59.47	-14.53	74	44.31	31.8	13.03	29.67	100	55	P	H
		5138.06	51.57	-2.43	54	36.41	31.8	13.03	29.67	100	55	A	H
	*	5210	119.12	-	-	104.13	31.54	13.13	29.68	100	55	P	H
	*	5210	104.54	-	-	89.55	31.54	13.13	29.68	100	55	A	H
		5401.48	54.67	-19.33	74	39.6	31.31	13.47	29.71	100	55	P	H
		5396.72	45.42	-8.58	54	30.38	31.29	13.46	29.71	100	55	A	H
		5088.4	56.85	-17.15	74	41.79	31.75	12.97	29.66	100	116	P	V
		5134.68	47.75	-6.25	54	32.59	31.8	13.03	29.67	100	116	A	V
	*	5210	116.55	-	-	101.56	31.54	13.13	29.68	100	116	P	V
	*	5210	101.34	-	-	86.35	31.54	13.13	29.68	100	116	A	V
		5438.16	54.78	-19.22	74	39.47	31.53	13.5	29.72	100	116	P	V
		5362.56	45.04	-8.96	54	30.2	31.15	13.4	29.71	100	116	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. 10+11+12+13	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		10420	49.99	-18.21	68.2	47.15	39.64	19.42	56.22	100	0	P	H
		15630	46.25	-27.75	74	40.71	37.68	23.29	55.43	100	0	P	H
		17978	59.02	-14.98	74	42.03	48.84	25.44	57.29	100	0	P	H
		17978	47.26	-6.74	54	30.27	48.84	25.44	57.29	100	0	A	H
		10420	48.53	-19.67	68.2	45.69	39.64	19.42	56.22	100	0	P	V
		15630	46.99	-27.01	74	41.45	37.68	23.29	55.43	100	0	P	V
		17978	59.35	-14.65	74	42.36	48.84	25.44	57.29	100	0	P	V
		17978	47.51	-6.49	54	30.52	48.84	25.44	57.29	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
10+11+12+13		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Karl Hou, Caster Liao and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

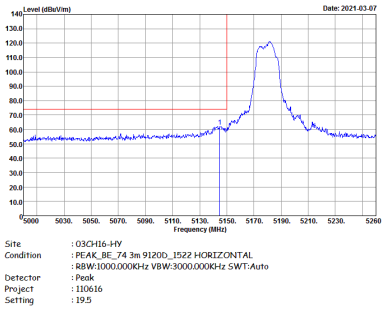
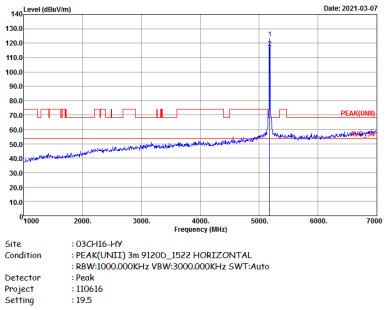
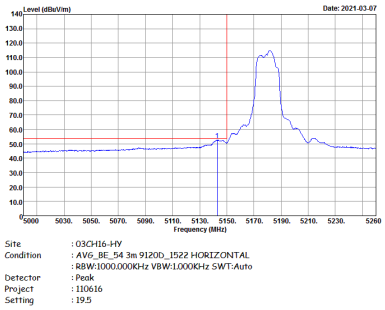
Note symbol

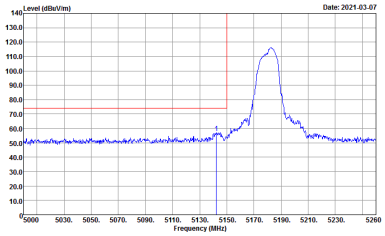
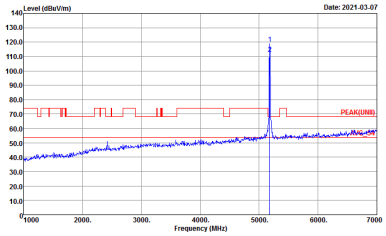
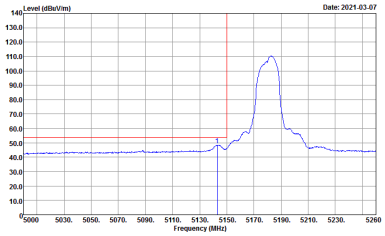
-L	**Low channel location**
-R	**High channel location**

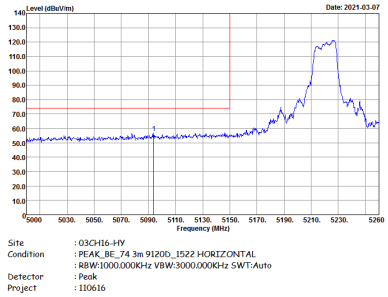
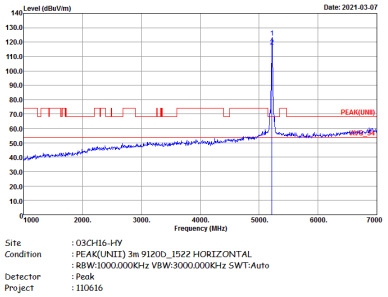
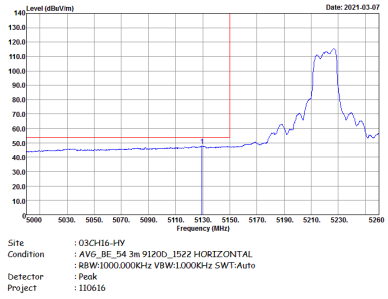
<STBC Mode>

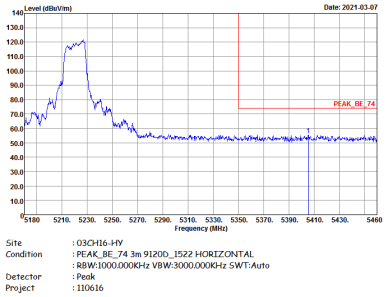
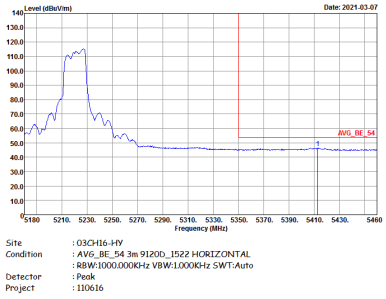
Band 1 - 5150~5250MHz

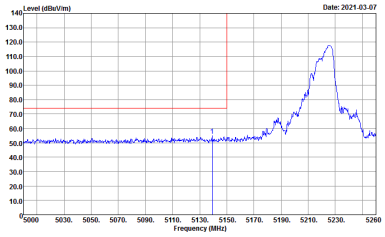
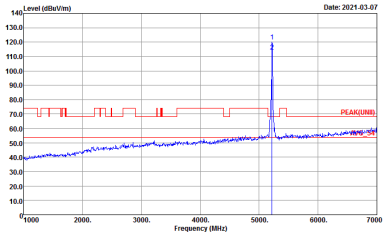
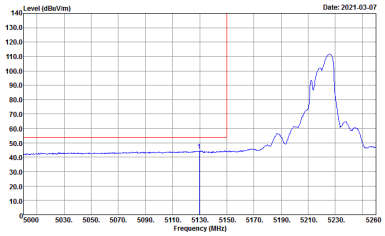
WIFI 802.11a (Band Edge @ 3m)

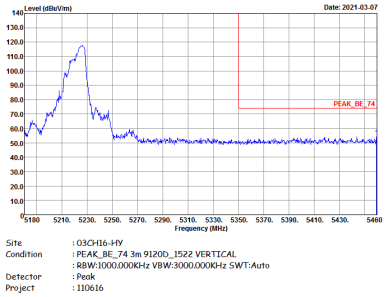
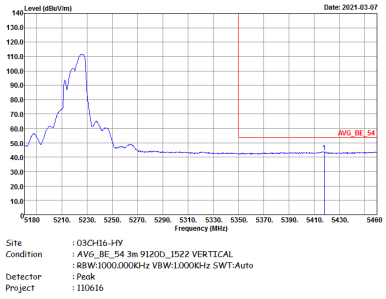
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

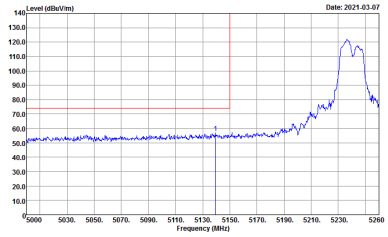
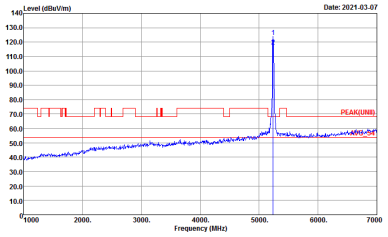
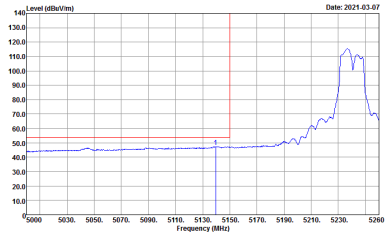
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5	Left blank

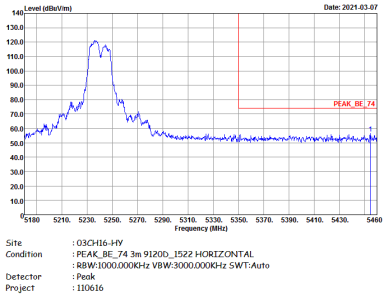
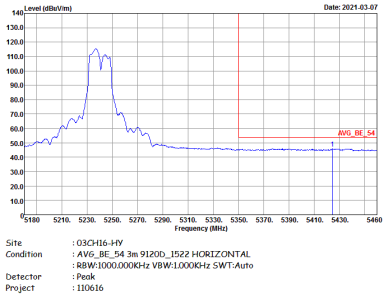
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

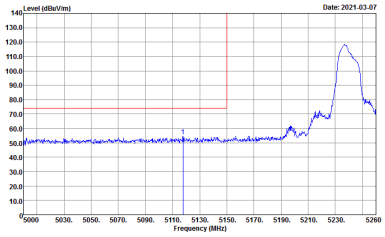
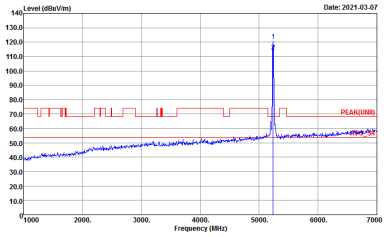
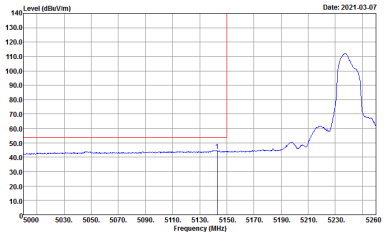
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

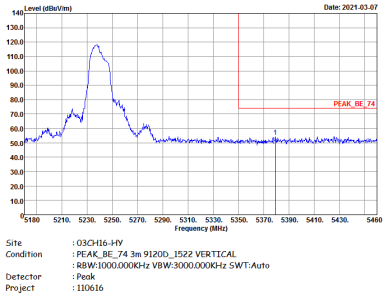
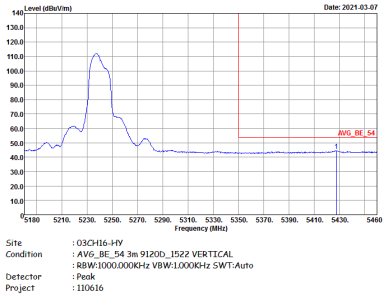
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

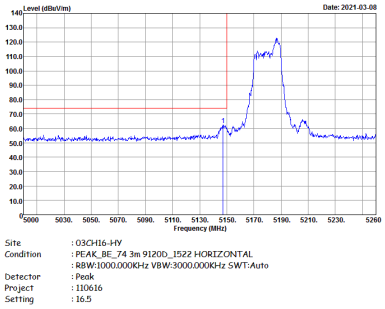
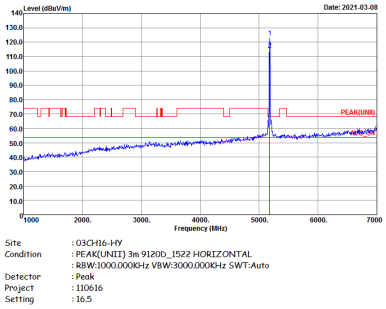
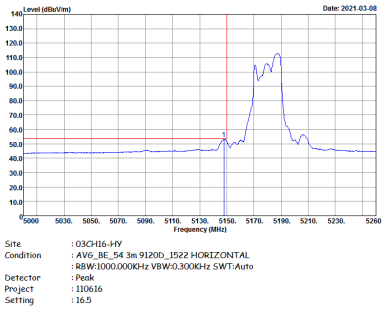
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

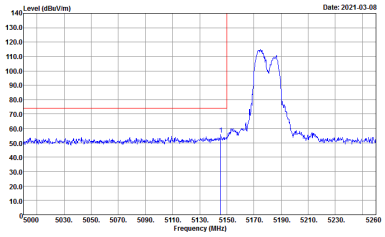
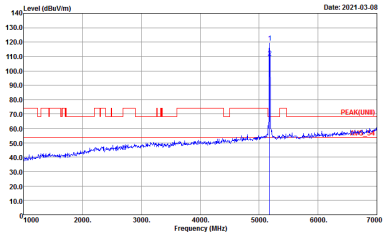
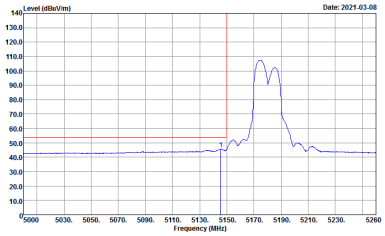
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

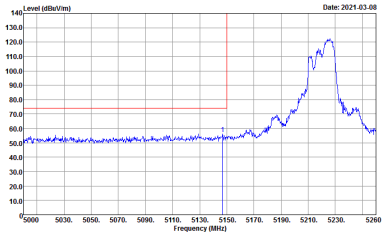
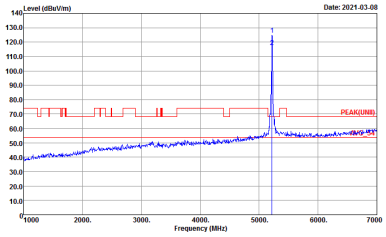
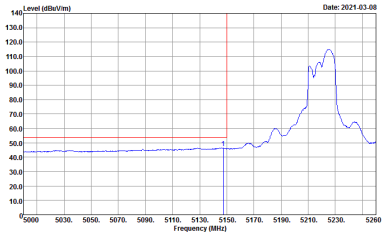
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

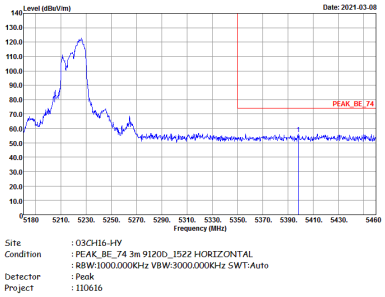
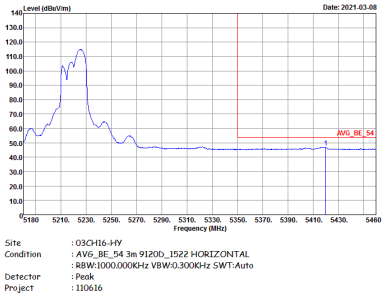
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

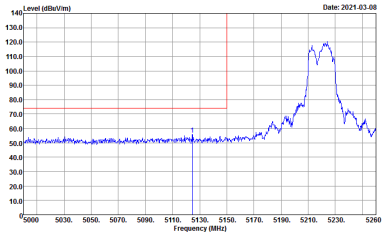
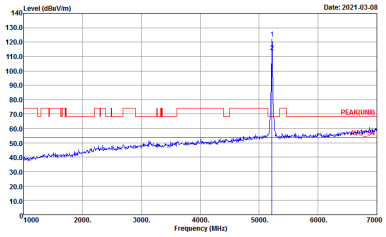
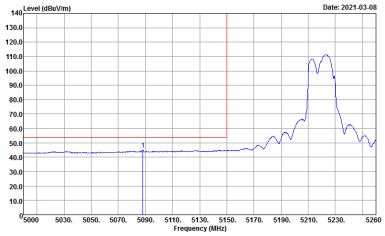
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

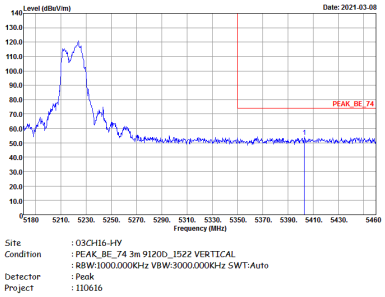
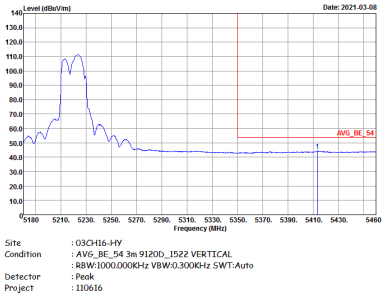
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

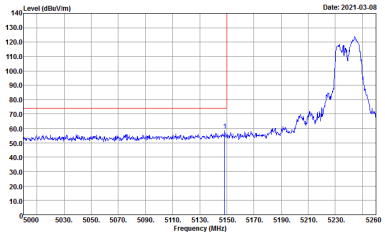
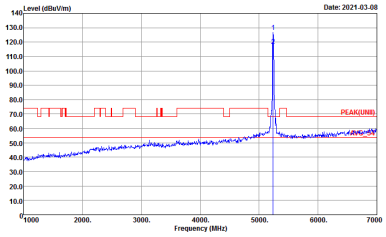
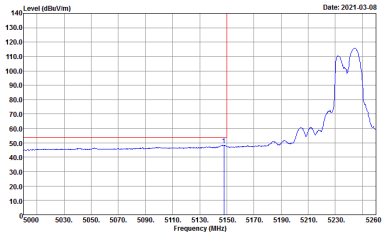
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 16.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 16.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 110616 Setting : 16.5	Left blank

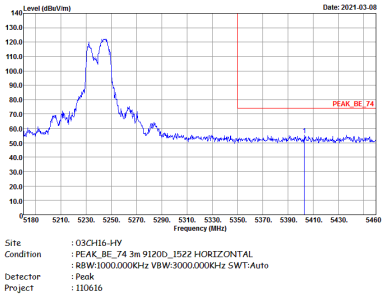
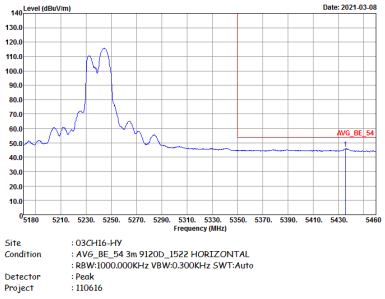
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 110616	Left blank

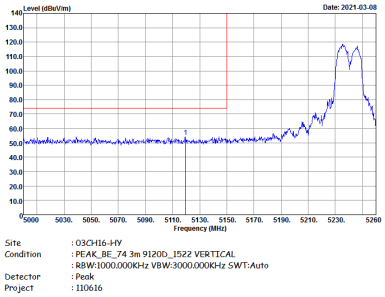
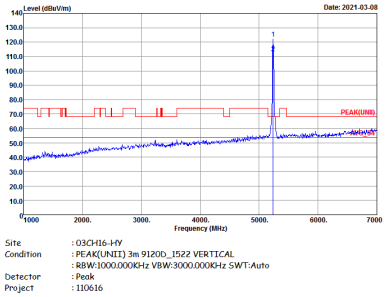
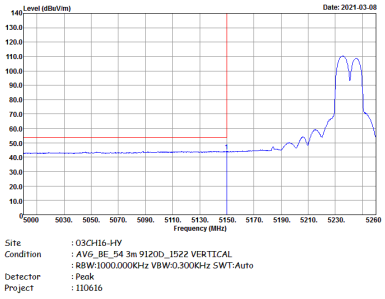
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

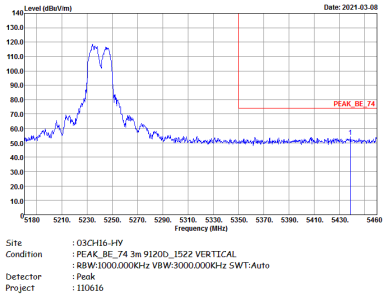
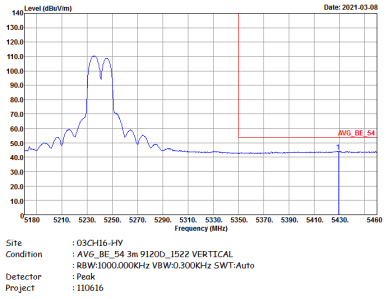
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 110616	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

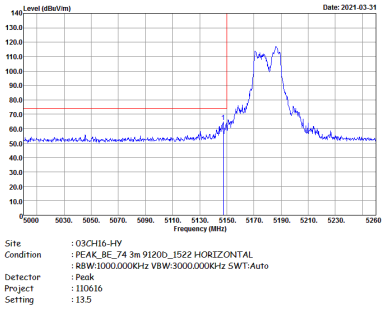
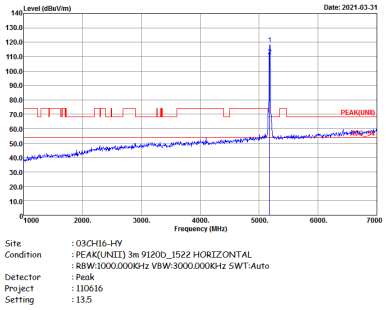
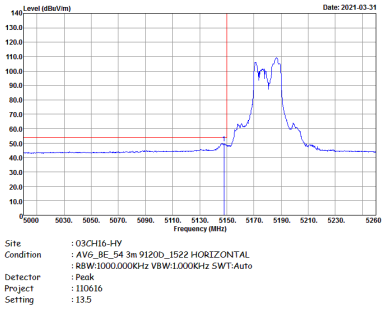
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

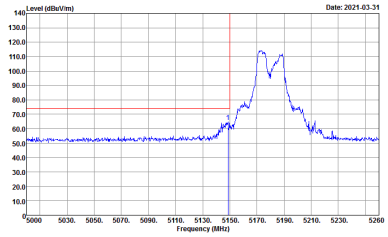
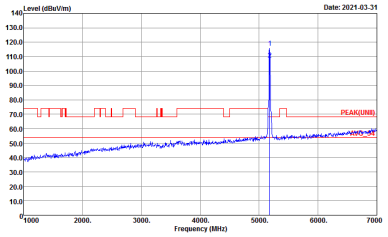
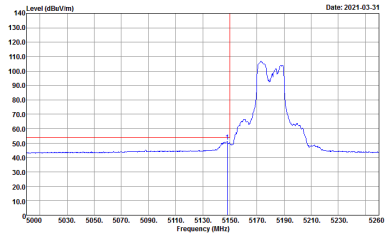
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

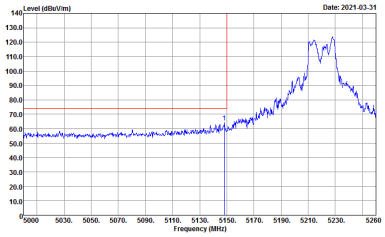
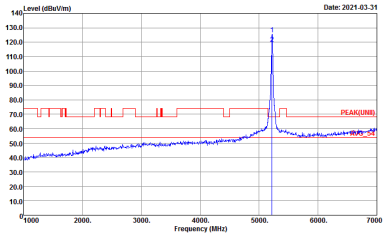
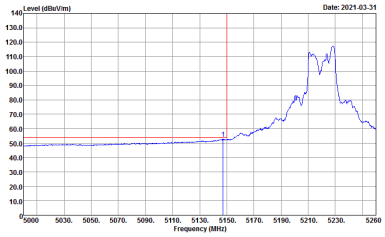
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

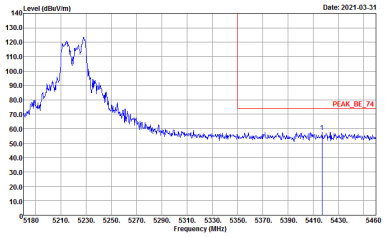
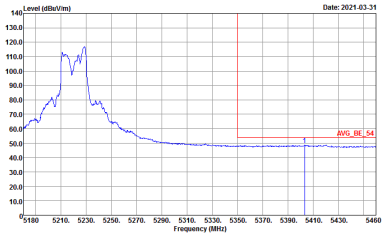
Band 1 5150~5250MHz

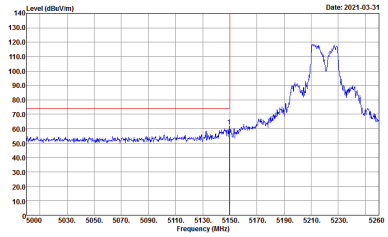
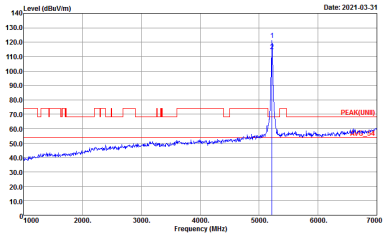
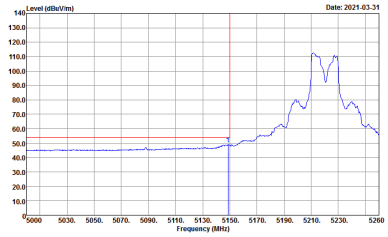
WIFI 802.11ax HE20 M unmod tone (Band Edge @ 3m)

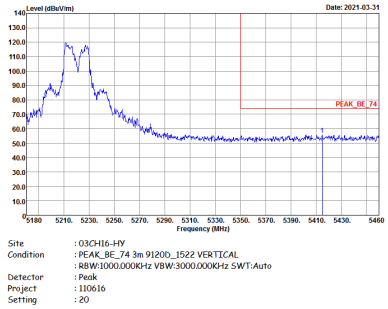
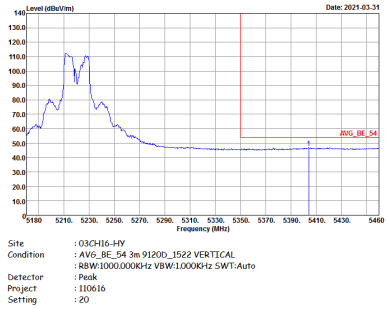
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH36 5180MHz	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH36 5180MHz	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH44 5220MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH44 5220MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH44 5220MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH44 5220MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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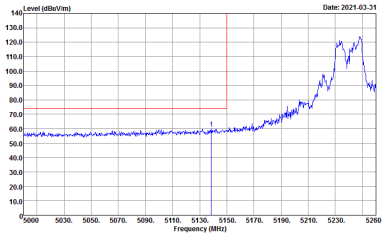
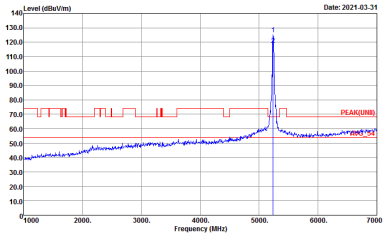
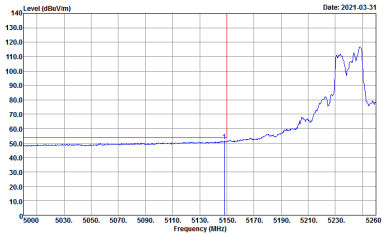
<tr><td>WIFI</td><td colspan="2">Band 1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE20 M unmod tone CH48 5240MHz - L</td></tr>
<tr><td>10+11+
12+13</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH16-HY
Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 110616
Setting : 20</td><td> 

Site : 03CH16-HY
Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Detector : Peak
Project : 110616
Setting : 20</td></tr>
<tr><td>Avg.</td><td> 

Site : 03CH16-HY
Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL
: RBW:1000.000KHz VBW:1.000KHz SWT:Auto
Detector : Peak
Project : 110616
Setting : 20</td><td>Left blank</td></tr>
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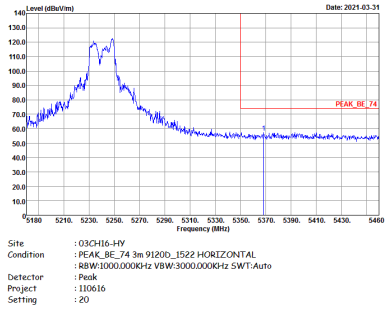
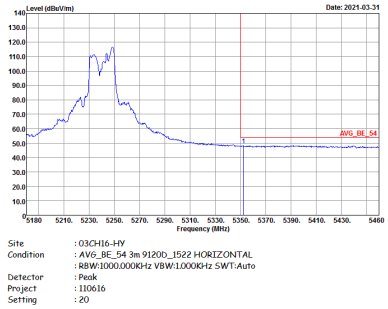
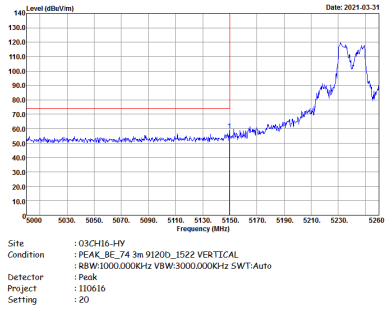
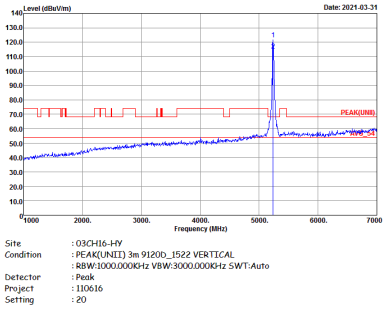
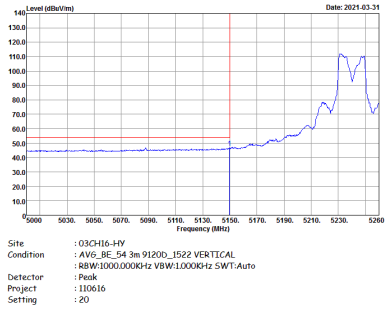
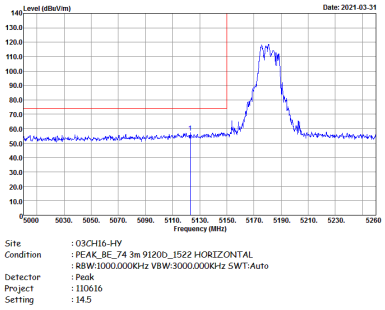
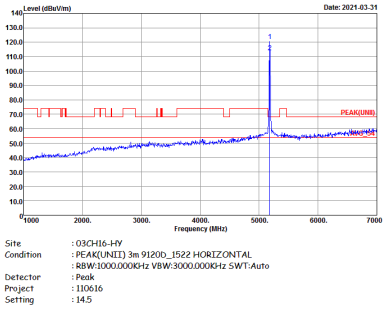
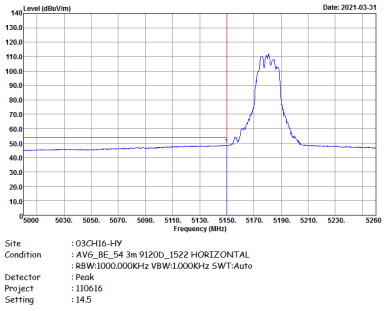
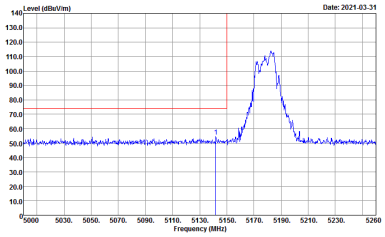
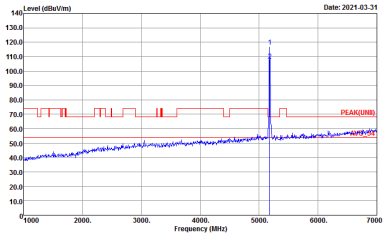
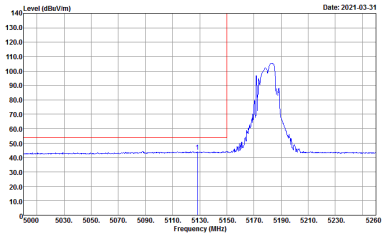
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH48 5240MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

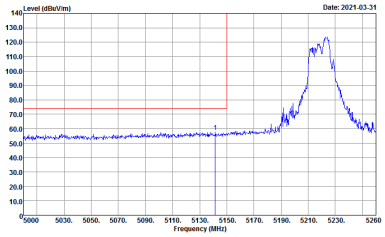
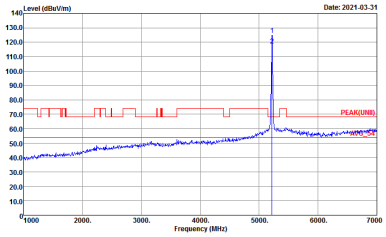
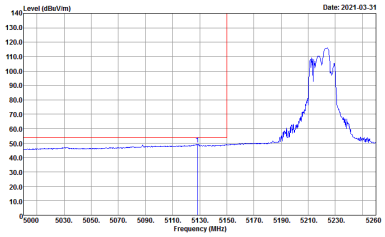
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 M unmod tone CH48 5240MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

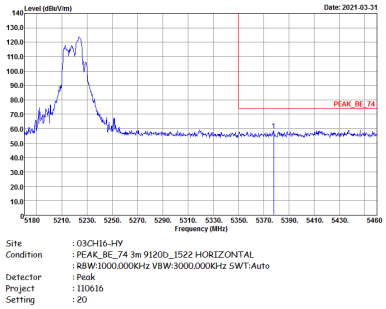
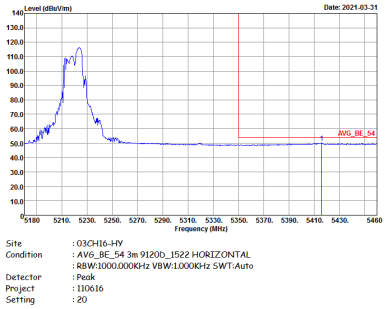
Band 1 5150~5250MHz

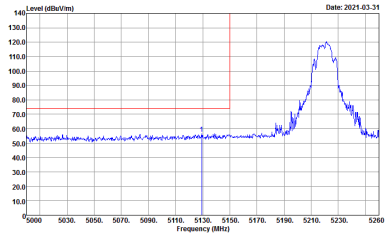
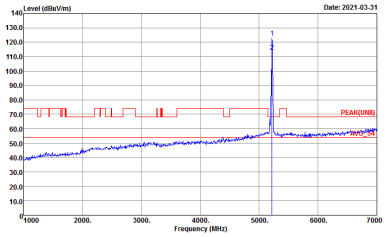
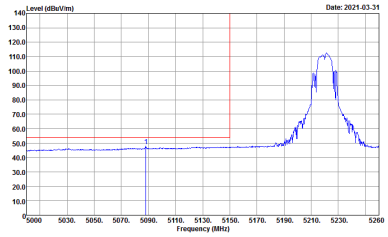
WIFI 802.11ax HE20 BE unmod tone (Band Edge @ 3m)

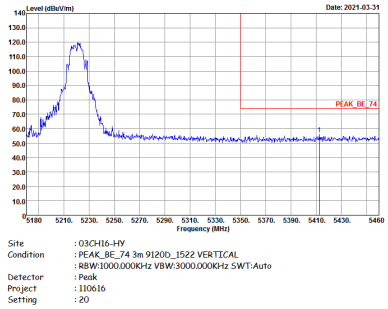
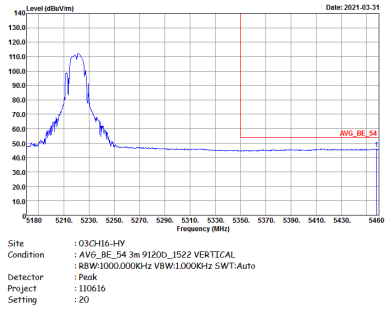
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH36 5180MHz	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

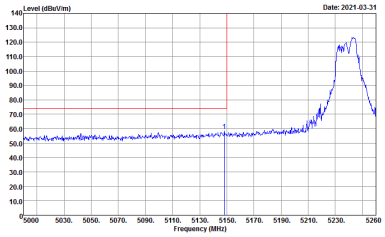
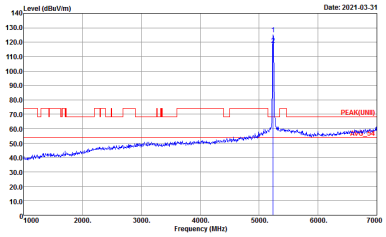
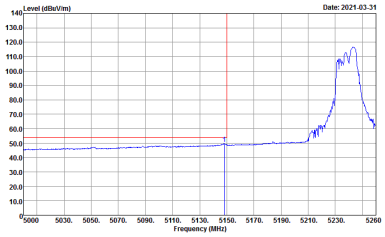
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH36 5180MHz	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 14.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 14.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 14.5	Left blank

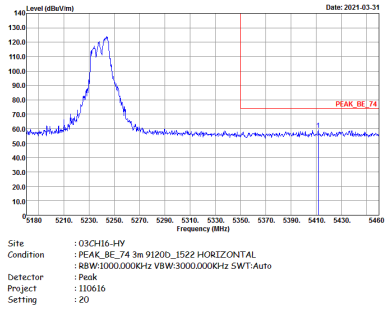
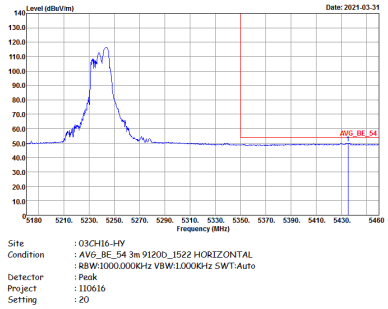
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH44 5220MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

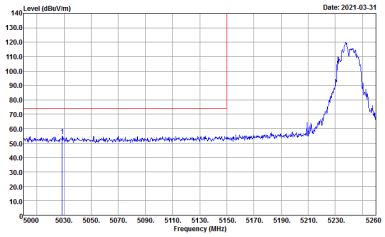
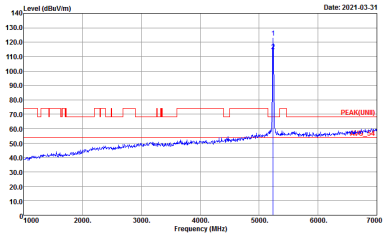
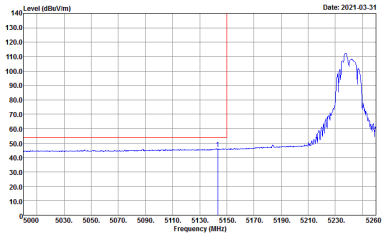
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH44 5220MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

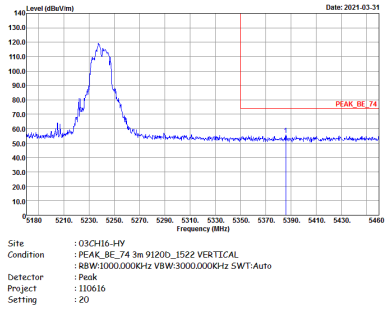
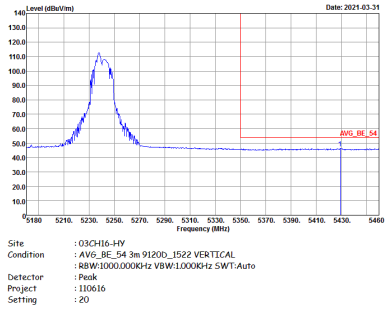
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH44 5220MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH44 5220MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

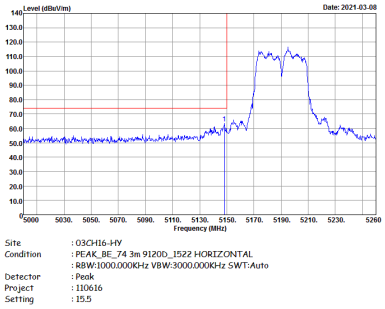
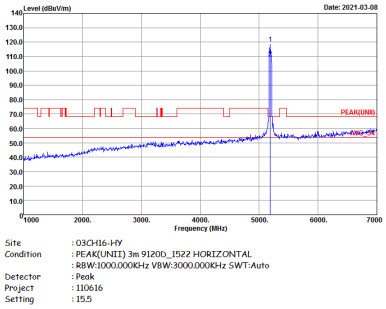
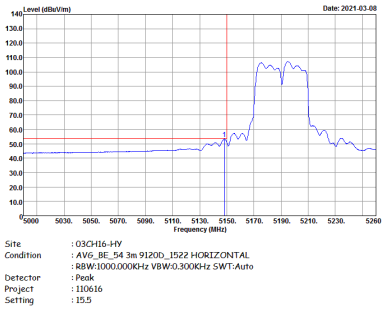
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH48 5240MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

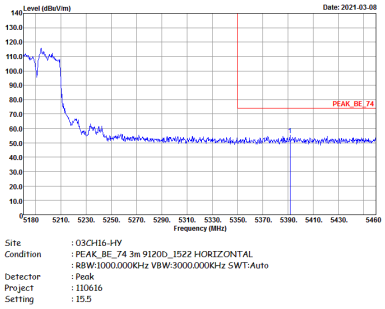
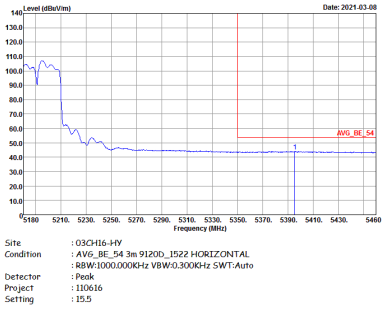
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH48 5240MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

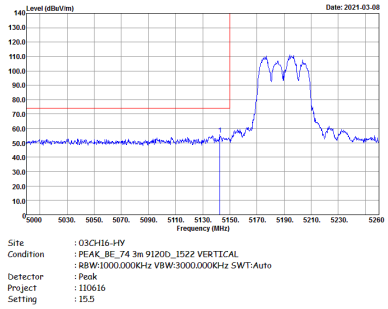
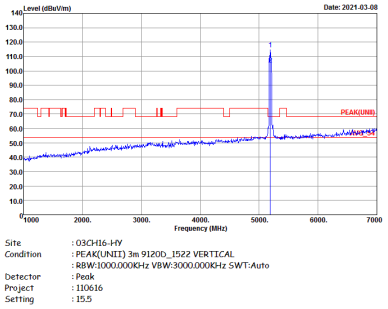
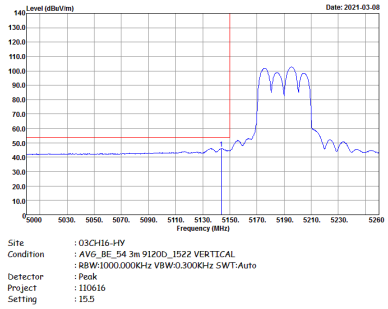
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH48 5240MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 20	Left blank

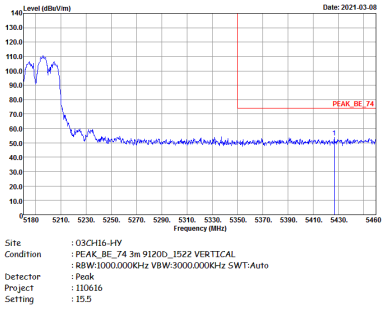
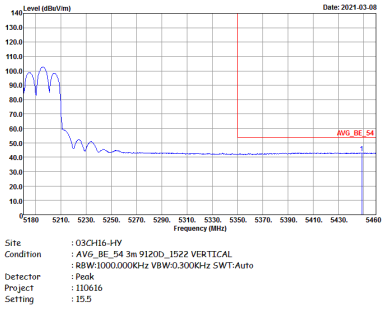
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 BE unmod tone CH48 5240MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

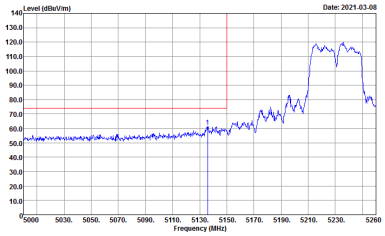
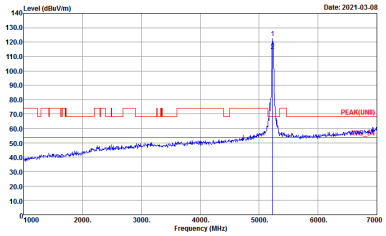
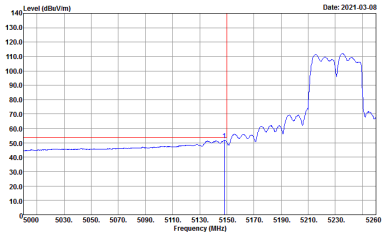
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

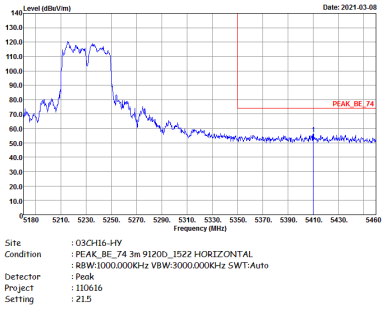
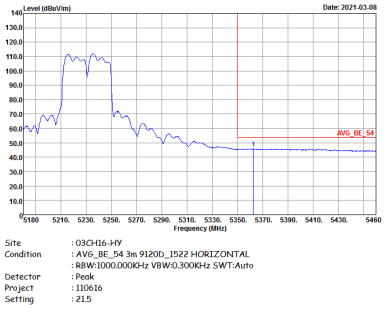
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

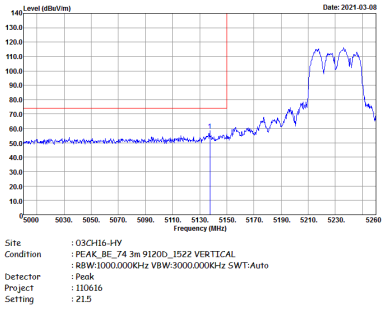
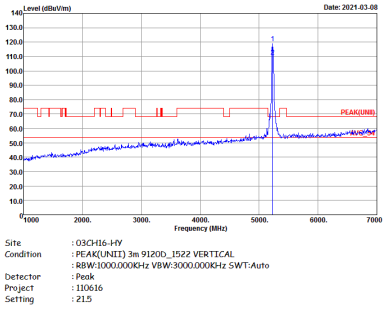
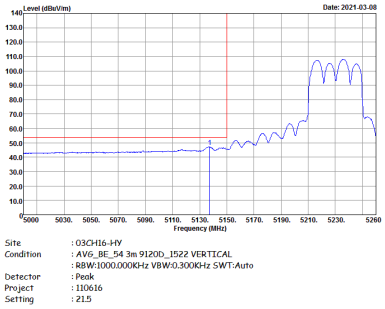
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

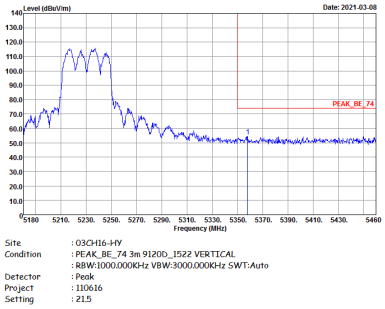
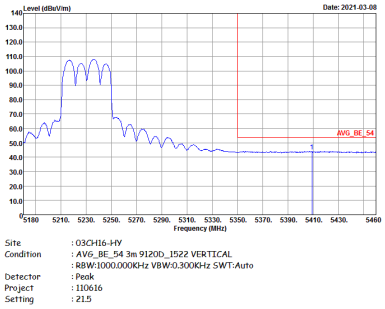
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 21.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 21.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 110616 Setting : 21.5	Left blank

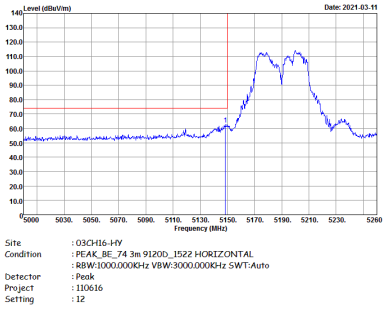
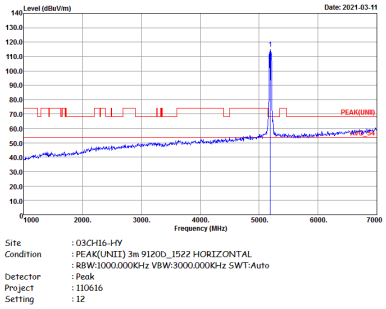
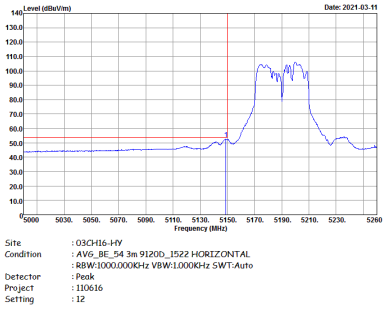
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

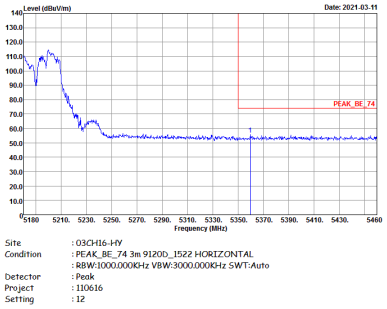
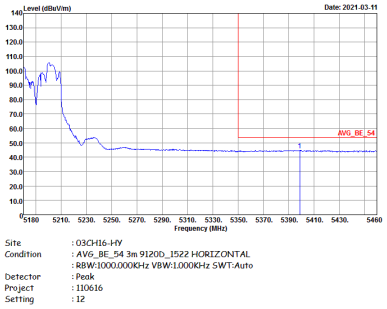
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

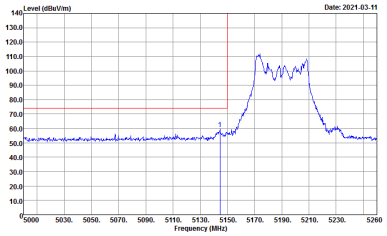
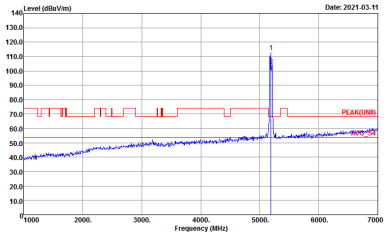
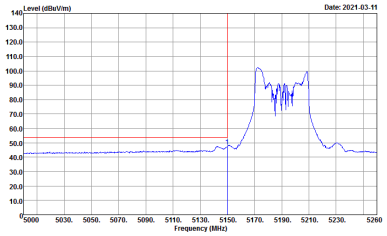
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

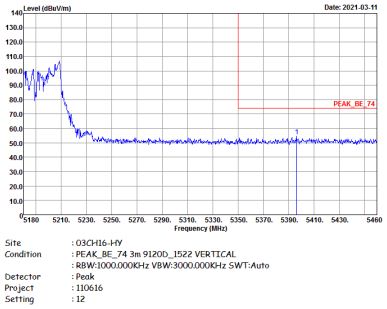
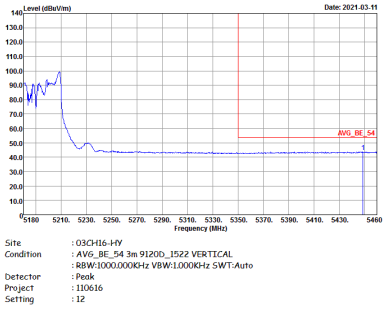
Band 1 - 5150~5250MHz

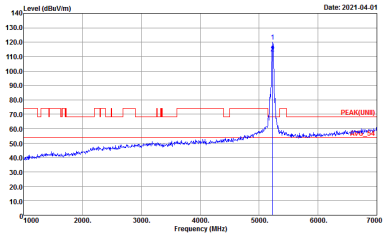
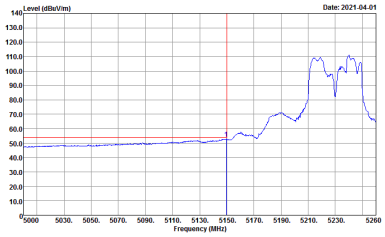
WIFI 802.11ax HE40 M unmod tone (Band Edge @ 3m)

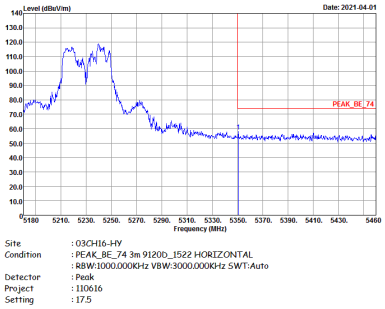
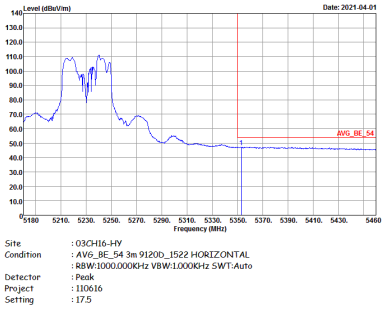
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH38 5190MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

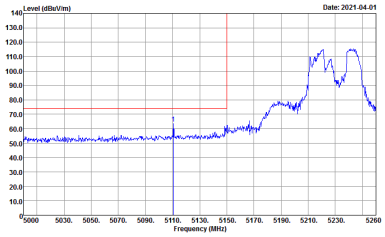
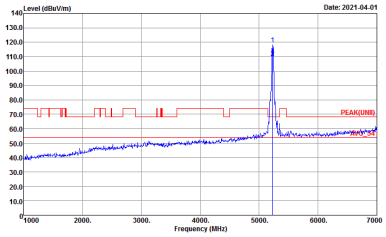
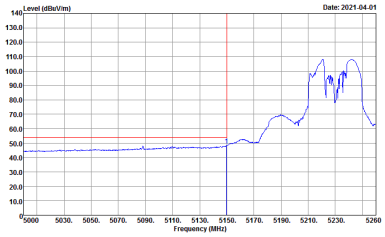
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH38 5190MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

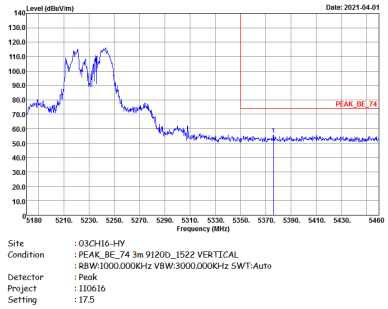
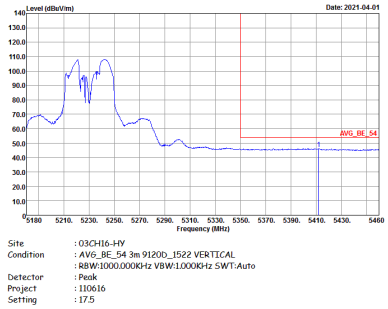
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH38 5190MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 12	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 12
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 12	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH38 5190MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH46 5230MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5	Left blank

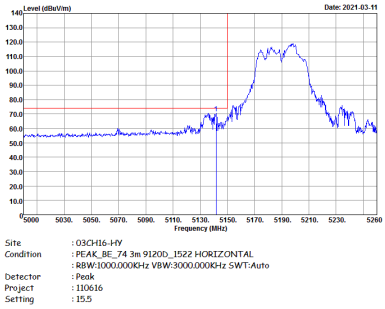
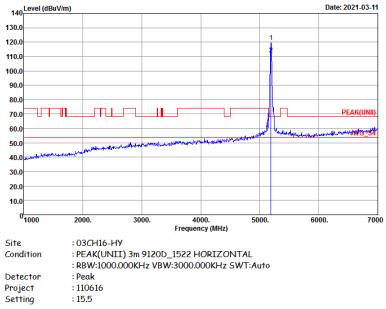
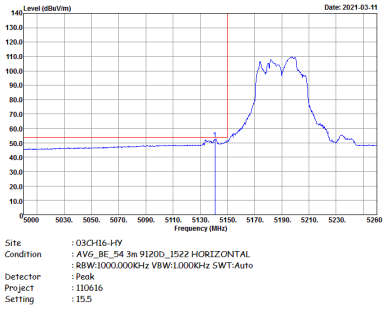
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH46 5230MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

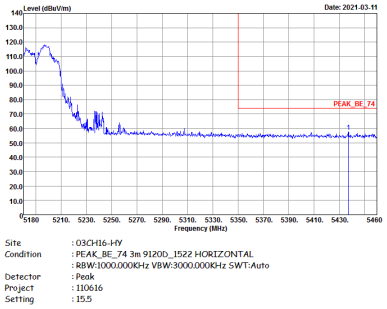
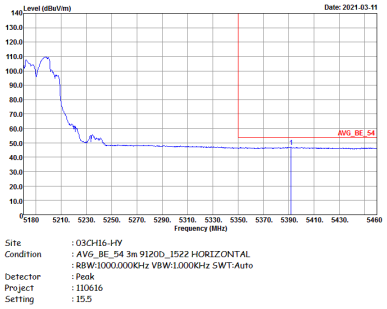
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH46 5230MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5	Left blank

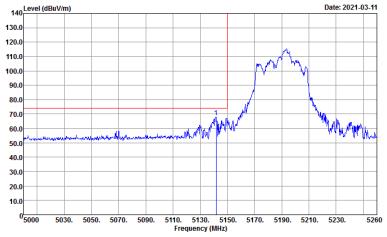
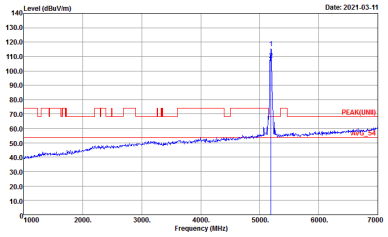
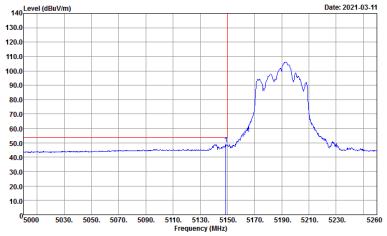
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 M unmod CH46 5230MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 17.5	Left blank

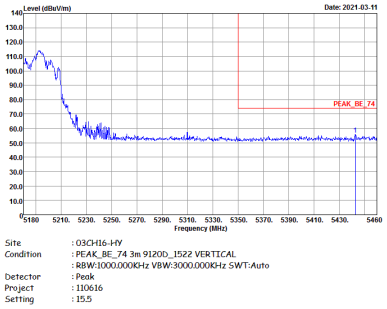
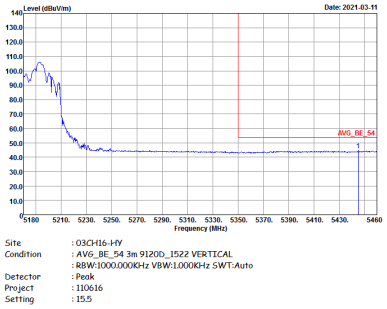
Band 1 - 5150~5250MHz

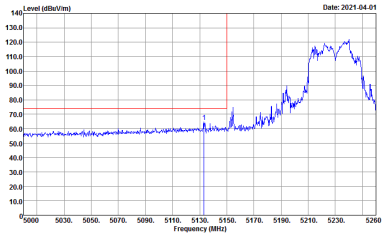
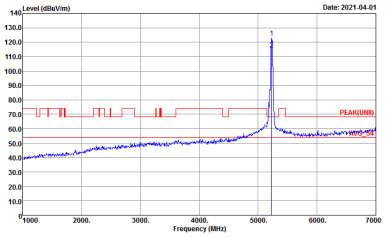
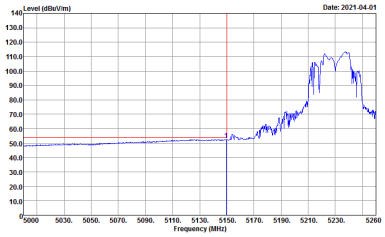
WIFI 802.11ax HE40 BE unmod tone (Band Edge @ 3m)

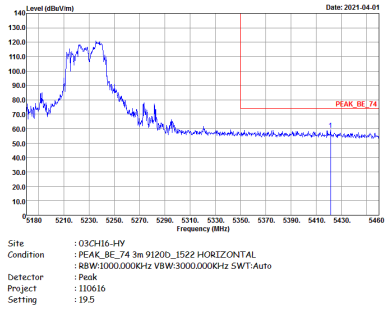
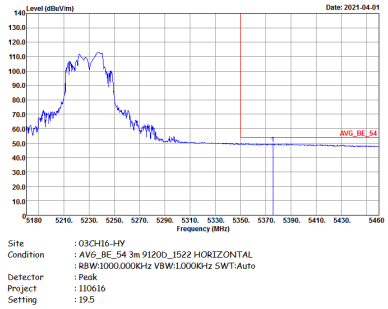
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH38 5190MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

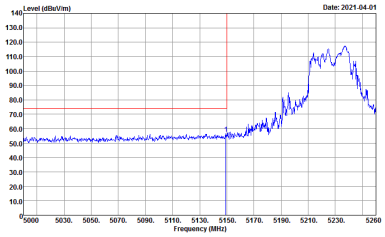
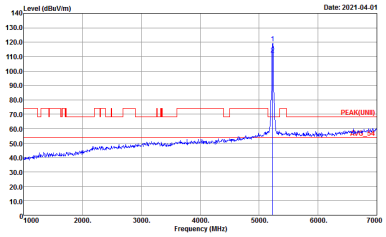
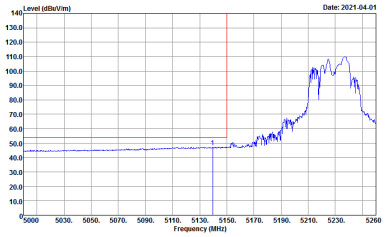
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH38 5190MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

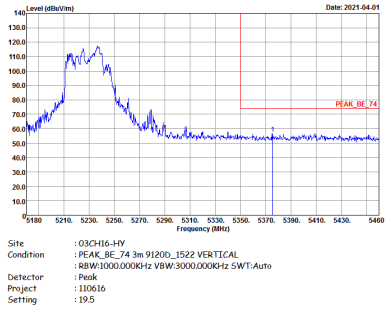
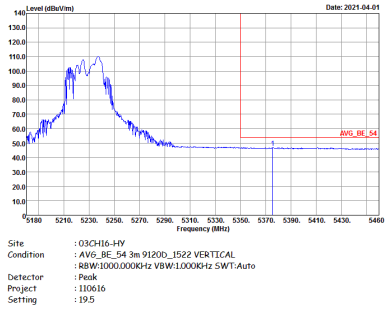
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH38 5190MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 15.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 15.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 15.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH38 5190MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

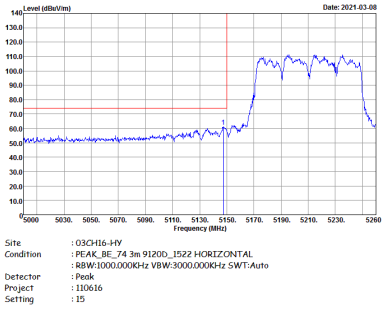
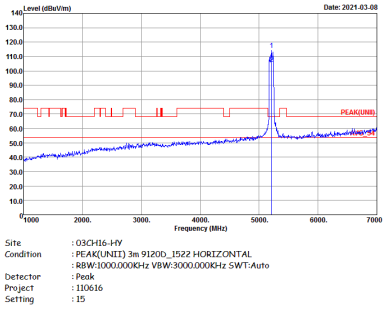
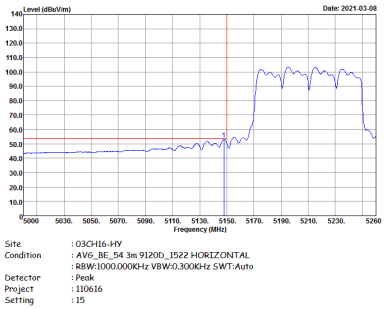
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH46 5230MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5	Left blank

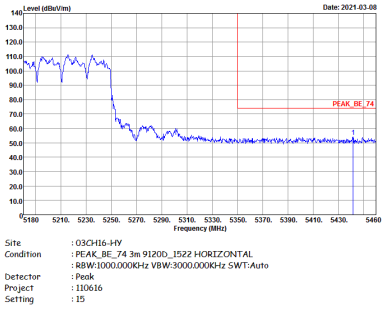
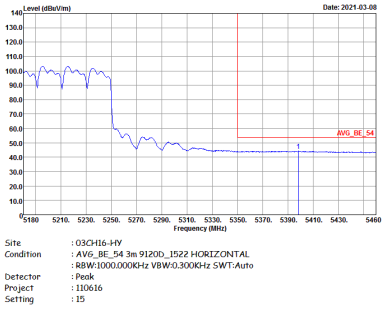
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH46 5230MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

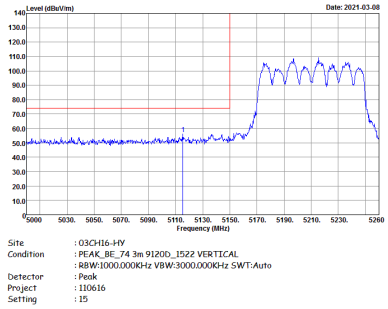
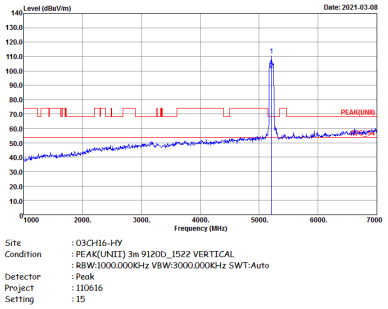
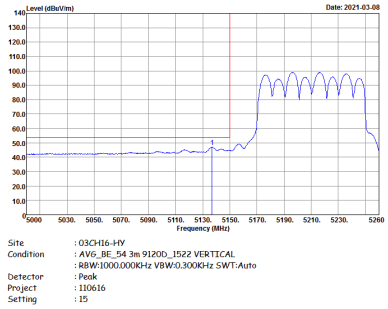
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH46 5230MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 19.5	Left blank

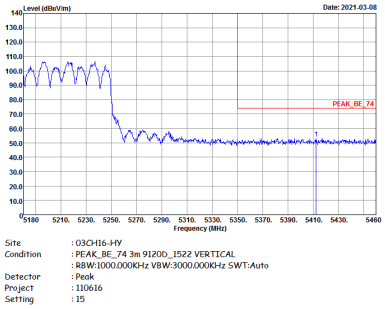
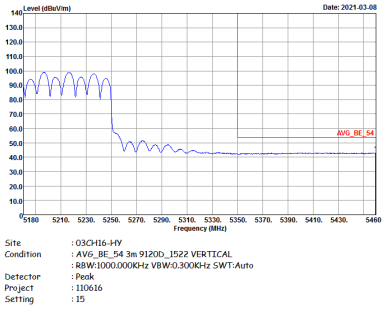
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 BE unmod CH46 5230MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

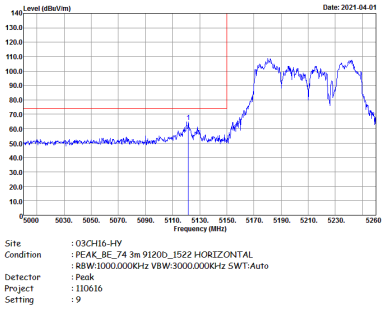
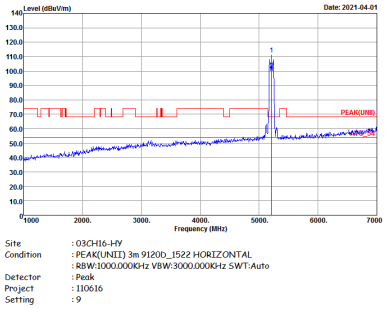
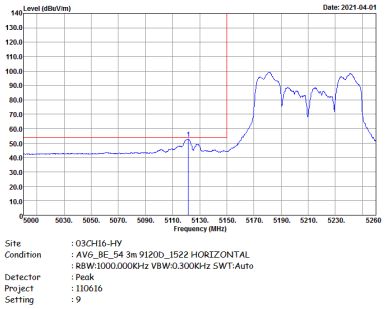
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

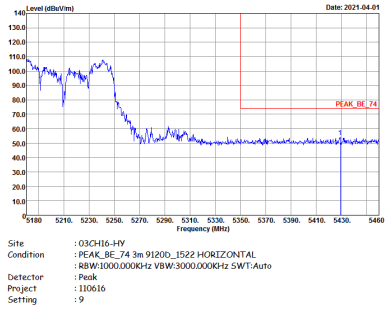
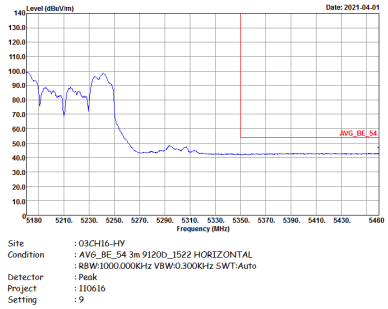
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

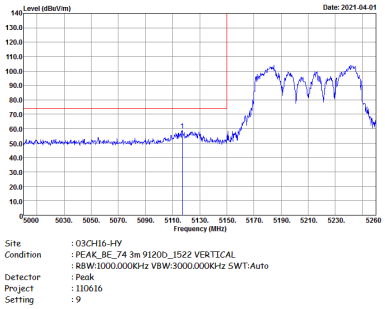
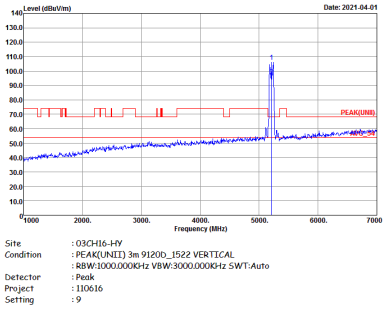
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz

WIFI 802.11ax HE80 M unmod tone (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 M unmod tone CH42 5210MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 M unmod tone CH42 5210MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

<table>
<tr><td>WIFI</td><td colspan="2">Band 1 5150~5250MHz Band Edge @ 3m</td></tr>
<tr><td>ANT</td><td colspan="2">802.11ax HE80 M unmod tone CH42 5210MHz - L</td></tr>
<tr><td>10+11+
12+13</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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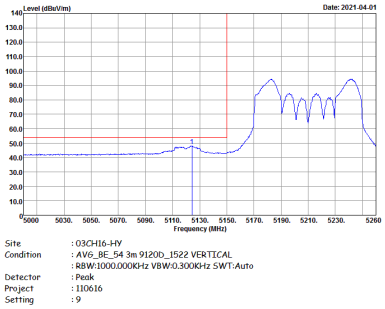
<tr><td>Avg.</td><td> 
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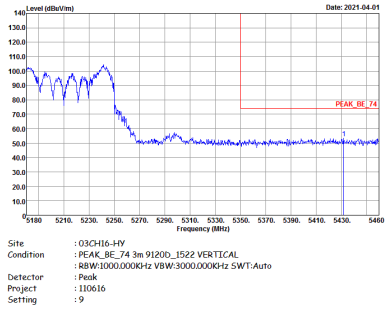
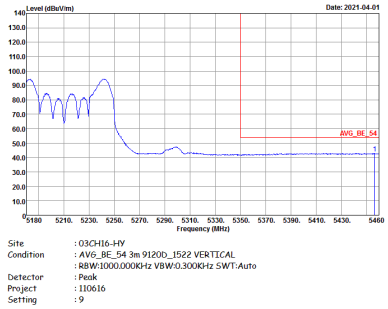
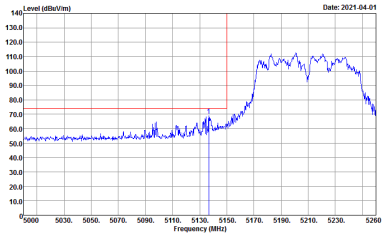
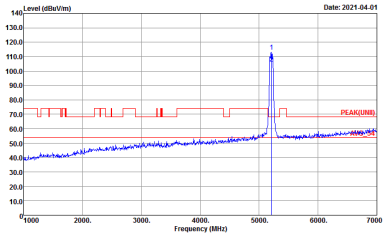
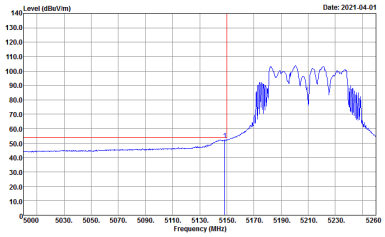
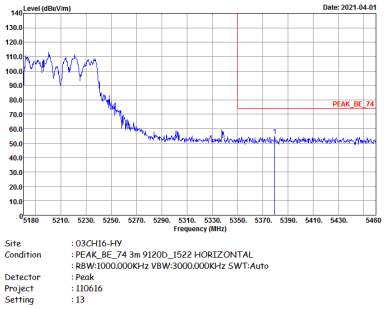
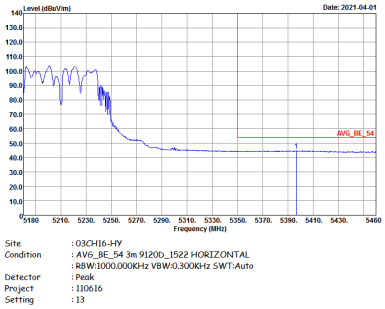
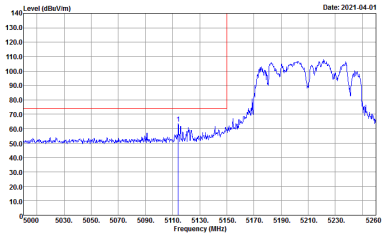
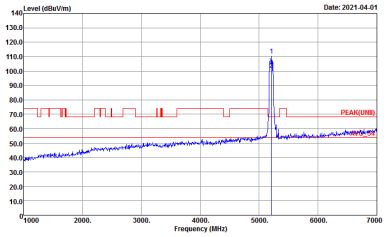
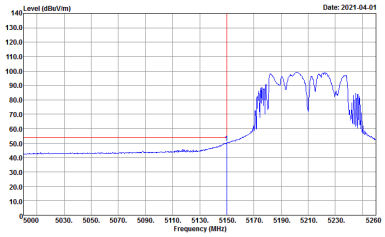
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 M unmod tone CH42 5210MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

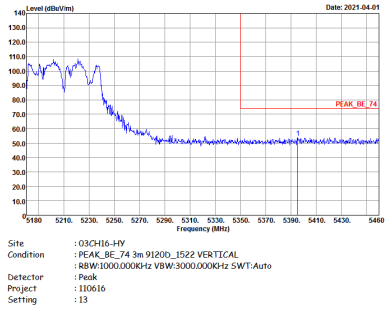
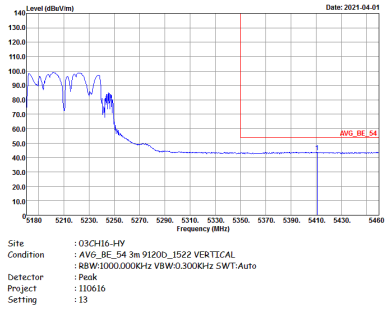
Band 1 5150~5250MHz

WIFI 802.11ax HE80 BE unmod tone (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 BE unmod tone CH42 5210MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13	Left blank

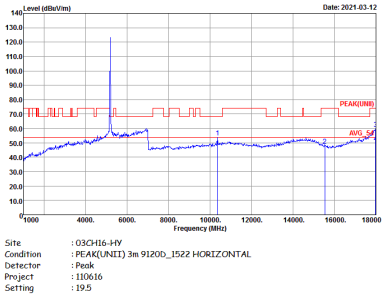
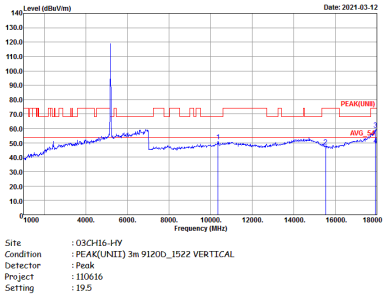
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 BE unmod tone CH42 5210MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

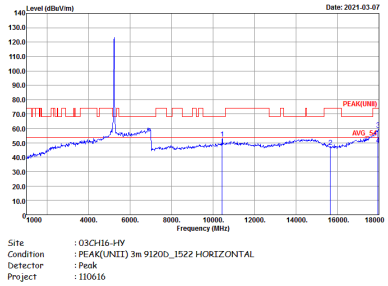
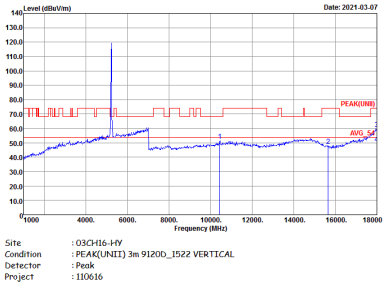
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 BE unmod tone CH42 5210MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto Detector : Peak Project : 110616 Setting : 13	Left blank

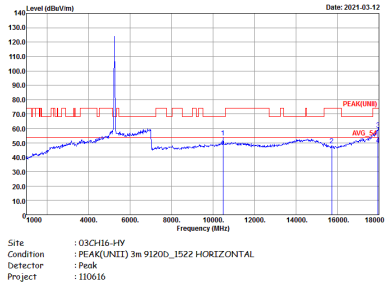
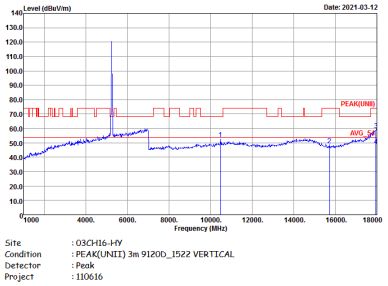
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 BE unmod tone CH42 5210MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

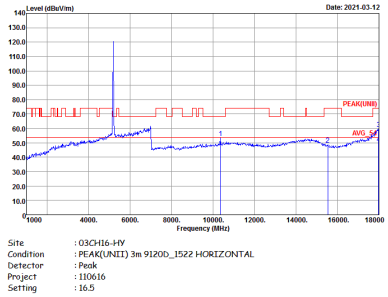
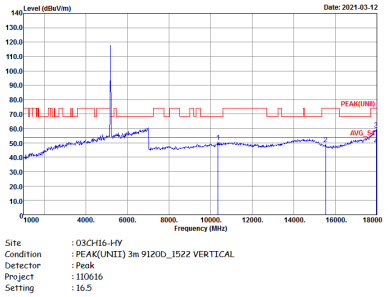
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

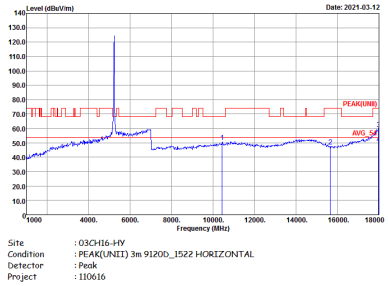
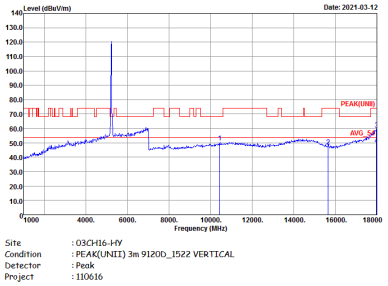
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

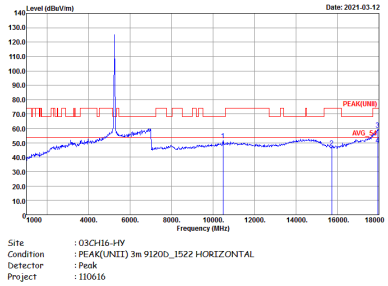
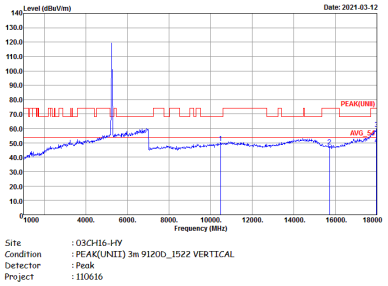
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
10+11+12+13	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

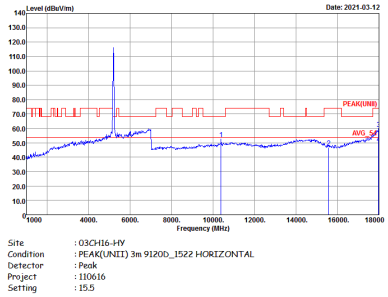
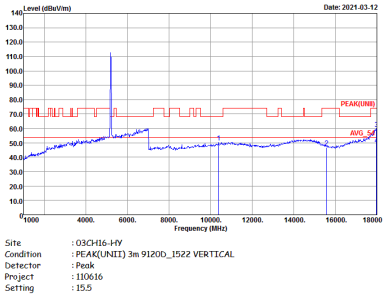
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

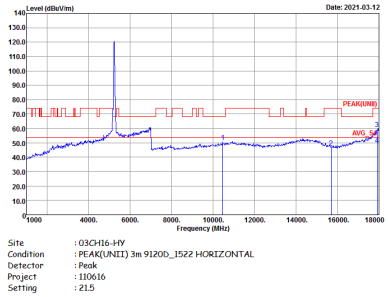
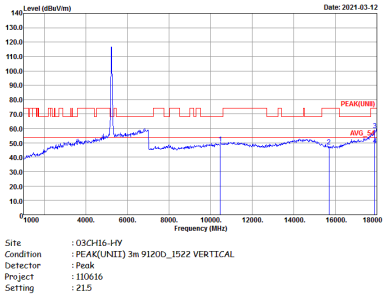
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

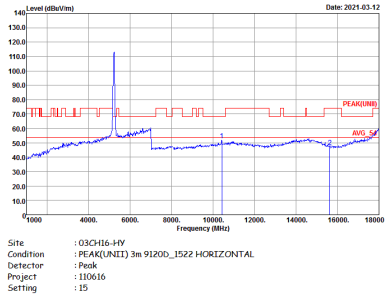
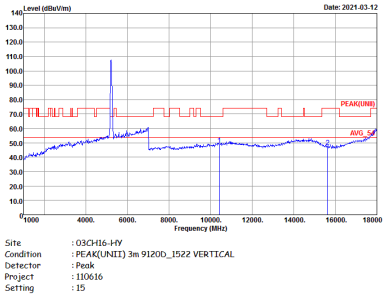
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

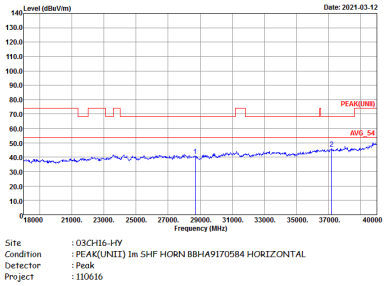
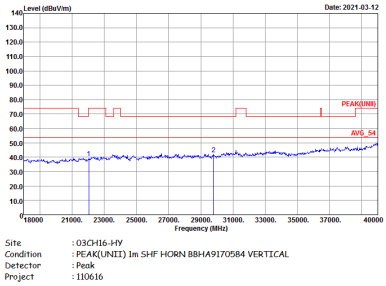
Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

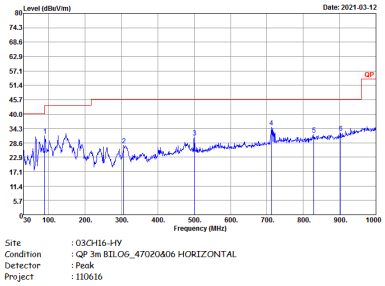
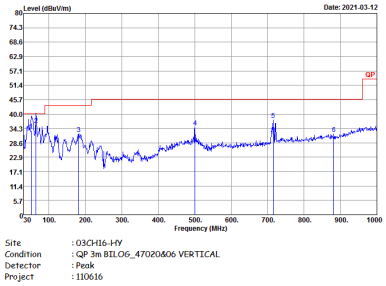
Emission above 18GHz

5GHz WIFI 802.11ax HE40 (SHF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 SHF	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

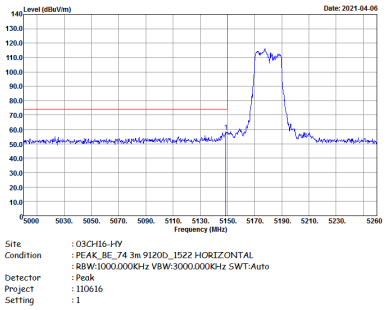
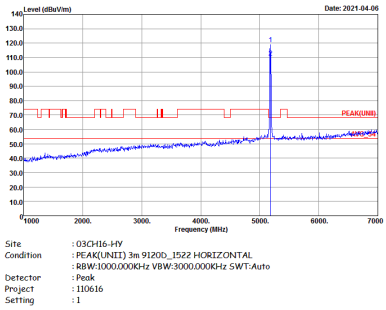
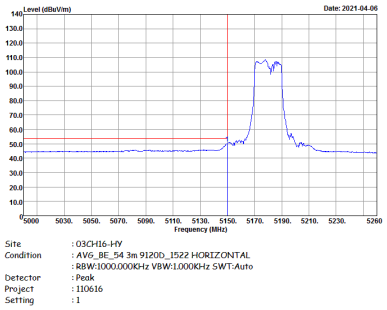
5GHz WIFI 802.11ax HE40 (LF)

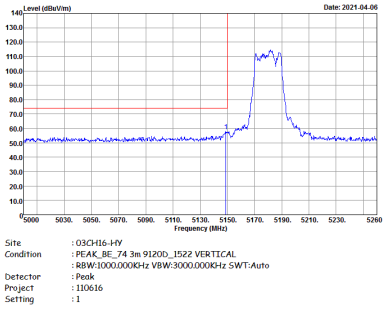
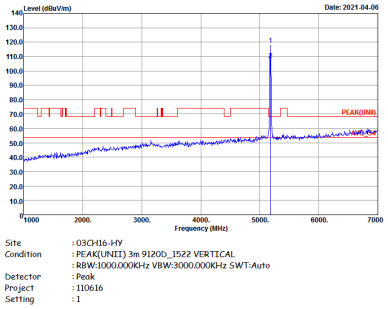
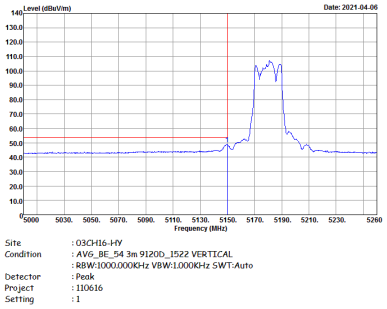
WIFI	5GHz WIFI	
ANT	802.11ax HE40 LF	
10+11+ 12+13	Horizontal	Vertical
QP / Peak		

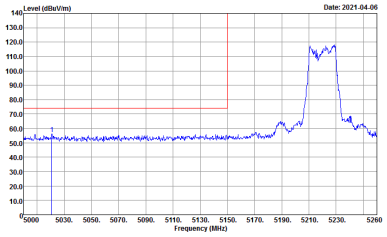
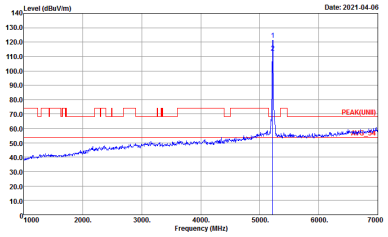
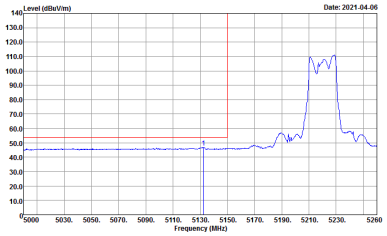
<TXBF Mode>

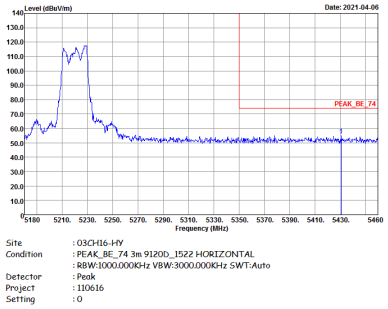
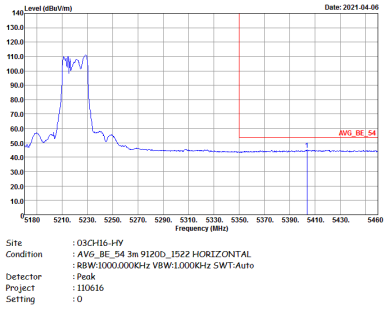
Band 1 - 5150~5250MHz

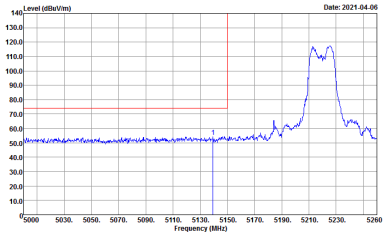
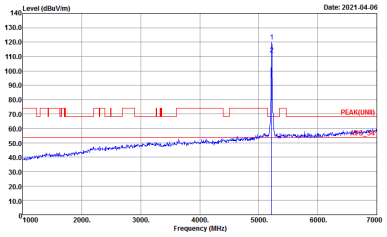
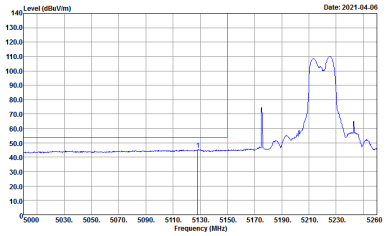
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

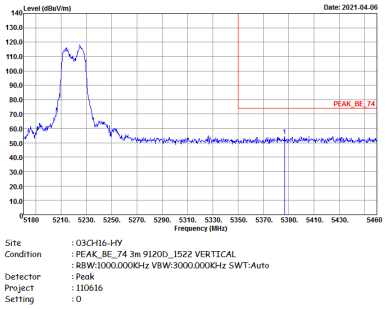
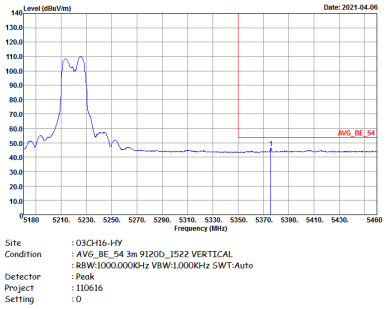
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

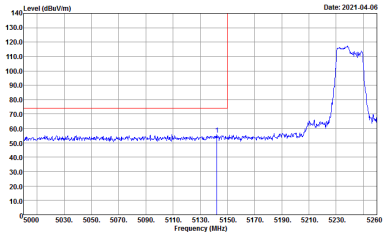
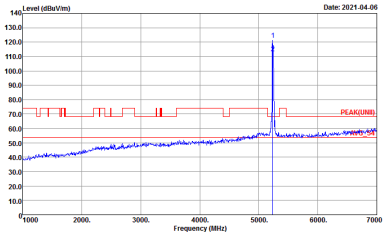
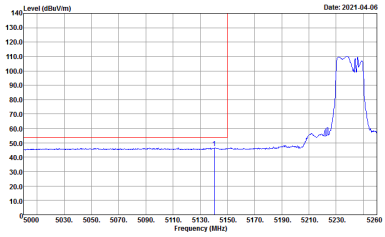
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

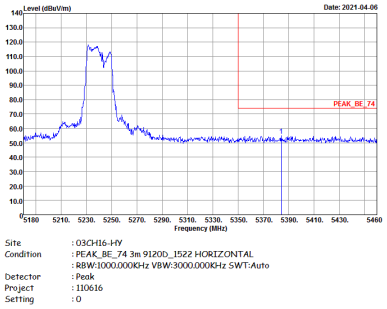
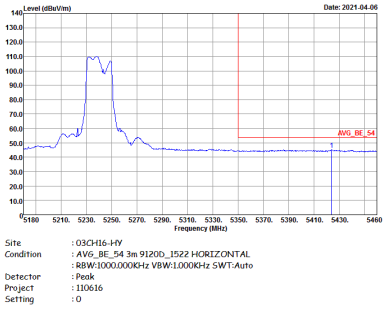
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

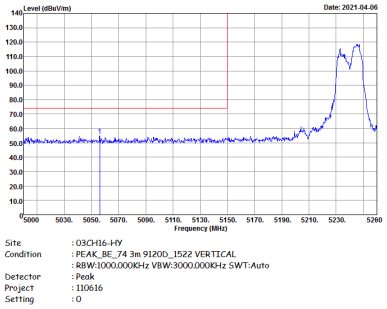
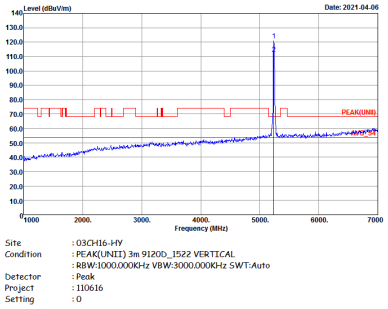
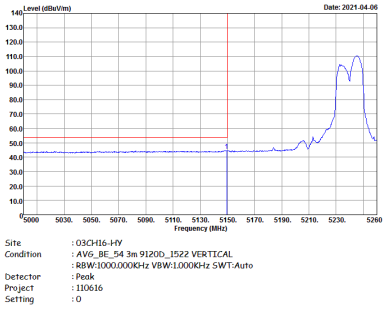
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

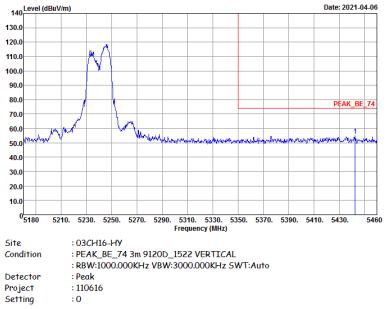
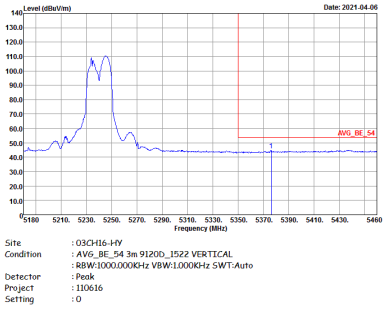
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 0	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 : 0
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 0	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

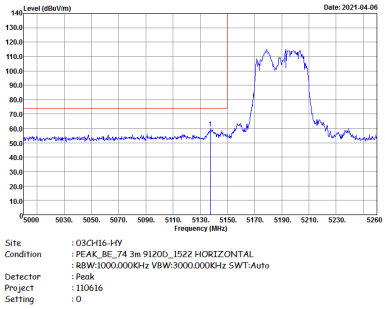
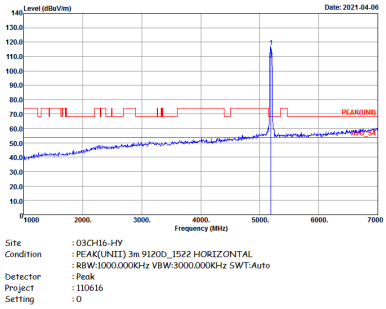
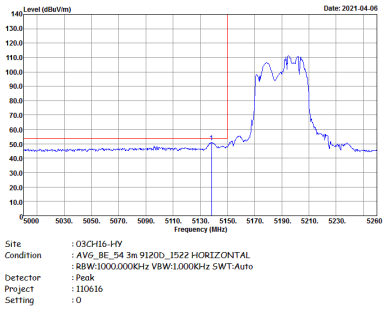
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 0	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 0
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 110616 Setting : 0	Left blank

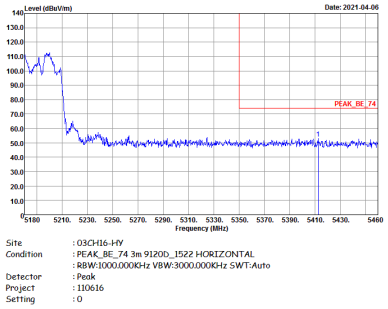
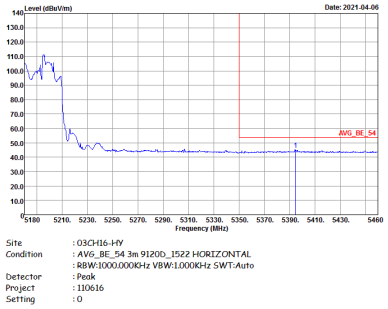
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

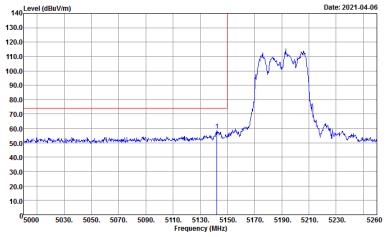
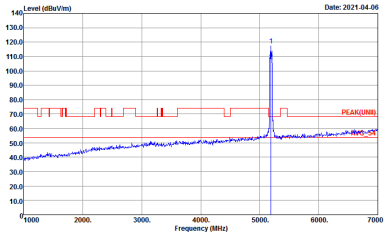
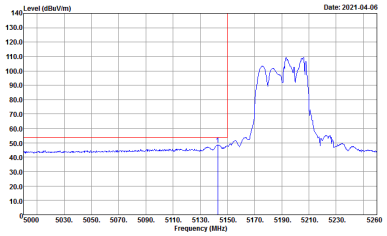
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

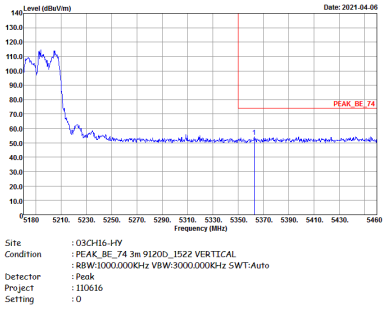
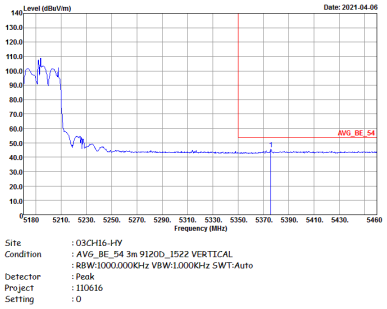
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

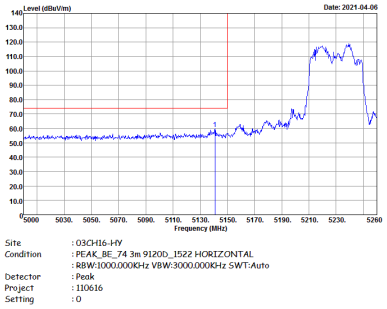
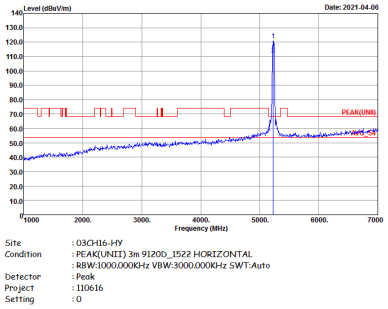
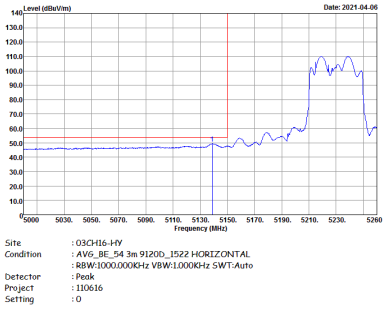
Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

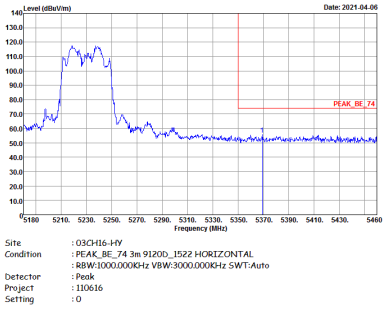
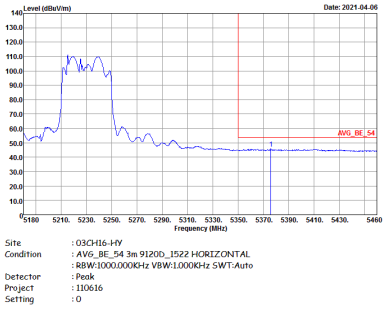
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

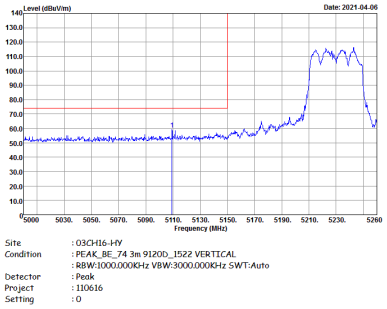
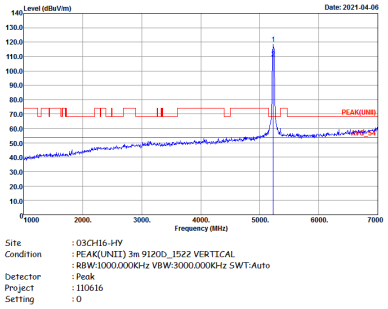
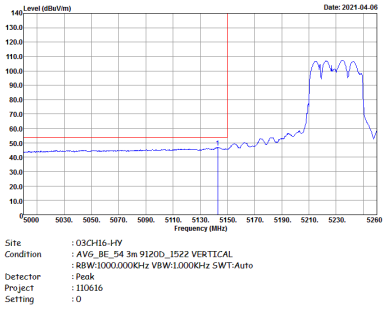
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

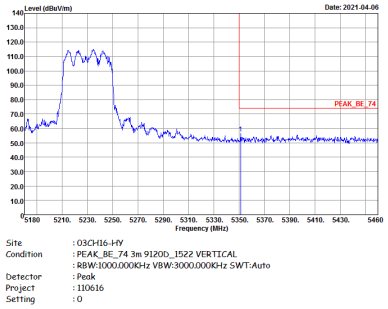
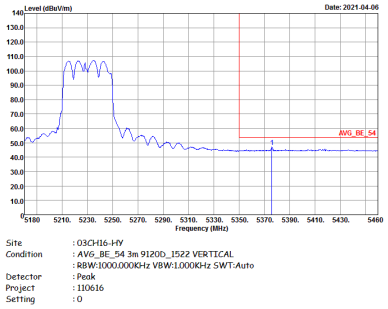
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

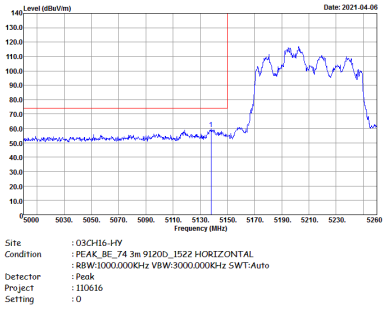
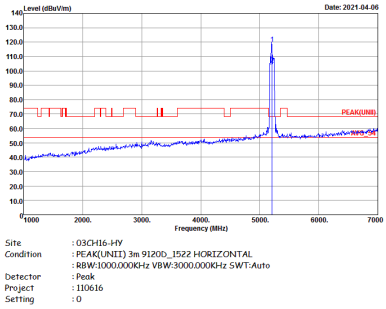
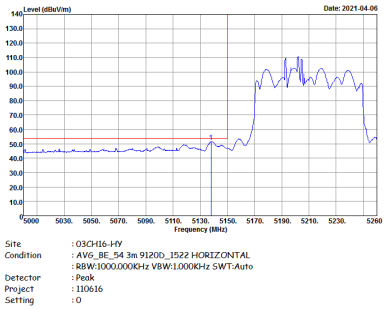
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

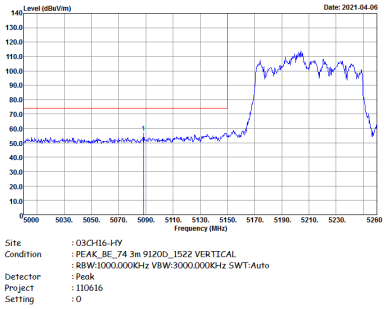
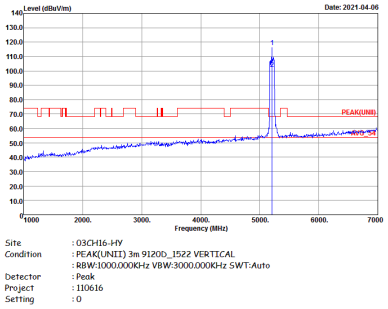
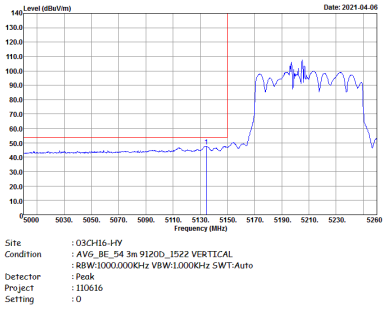
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
10+11+ 12+13	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

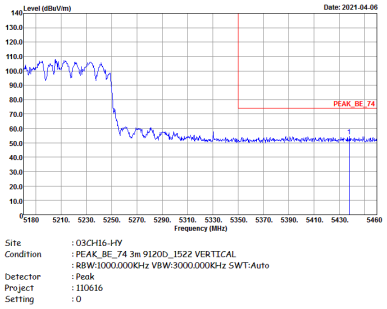
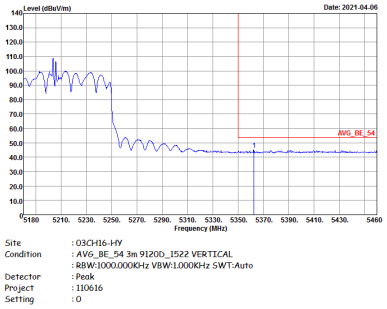
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

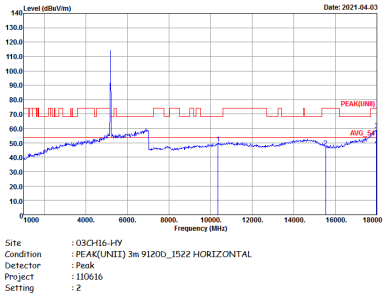
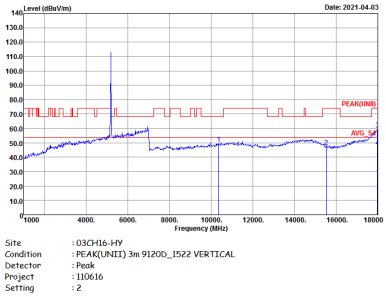
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
10+11+ 12+13	Horizontal	Fundamental
Peak		
Avg.		Left blank

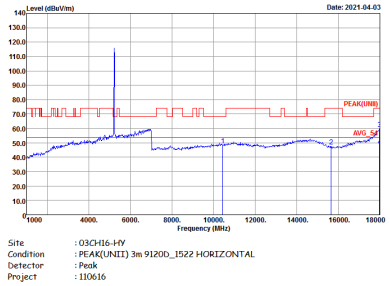
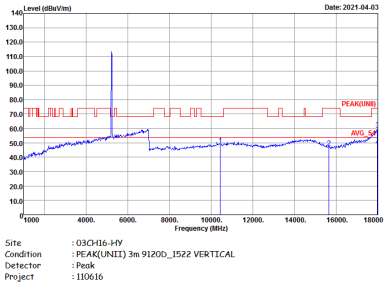
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
10+11+ 12+13	Vertical	Fundamental
Peak		
Avg.		Left blank

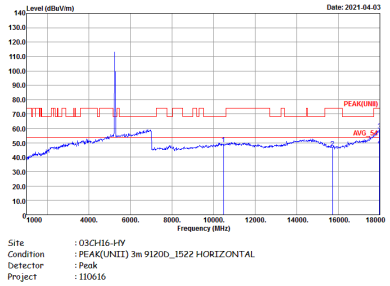
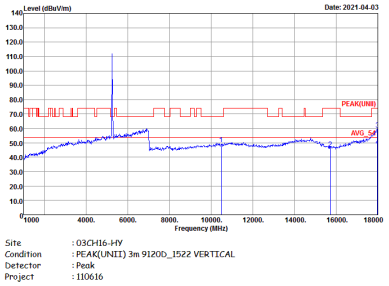
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
10+11+ 12+13	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

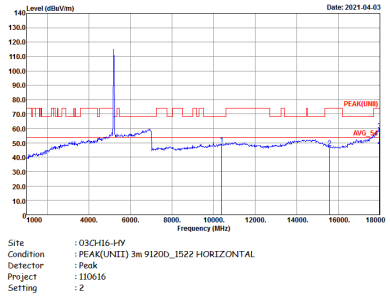
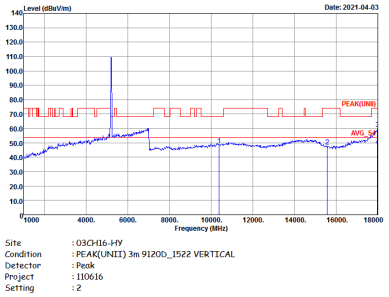
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

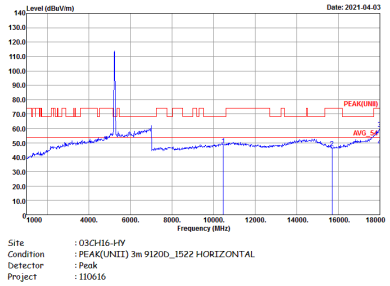
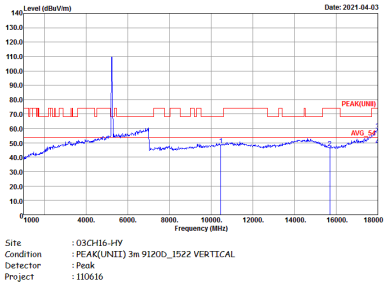
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

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	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.		

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	
10+11+ 12+13	Horizontal	Vertical
Peak Avg.