FCC RADIO TEST REPORT

FCC ID	**:**	**S9E-121900**
Equipment	**:**	**Rugged Handheld Computer**
Brand Name	**:**	**Trimble**
Model Name	**:**	**121900**
Marketing Name	**:**	**TSC5**
Applicant	**:**	**Trimble Inc.** **5475 Kellenburger Rd., Dayton, Ohio, United States 45424**
Manufacturer	**:**	**Trimble Inc.** **5475 Kellenburger Rd., Dayton, Ohio, United States 45424**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 19, 2020 and testing was started from Sep. 10, 2020 and completed on Oct. 12, 2020. 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, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR081931D	01	Initial issue of report	Oct. 28, 2020

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 1.45 dB at 5459.890 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 10.38 dB at 0.177 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

WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, and GNSS.

Product Specification subjective to this standard	
Antenna Type	WWAN: PIFA Antenna WLAN: <Ant. 1> Dipole Antenna <Ant. 2> Dipole Antenna Bluetooth: Dipole Antenna GPS/Glonass/BDS/Galileo: Patch Antenna

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, 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. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH15-HY

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 (Z 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		

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

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

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

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

Note:

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

2.2 Test Mode

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

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20 (Covered by VHT20)	**MCS0**
802.11n HT40 (Covered by VHT40)	**MCS0**
802.11ac VHT20	**MCS0**
802.11ac VHT40	**MCS0**
802.11ac VHT80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : LTE Band 41 Link + WLAN (5GHz) Link + Bluetooth Link + Color Bar + USB Cable (Charging from Adapter) Mode 2 : LTE Band 41 Idle + WLAN (5GHz) Idle + Bluetooth Idle + Color Bar + USB Cable (Charging from Adapter)
Remark: The worst case of conducted emission is mode 1; only the test data of it was reported.	

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

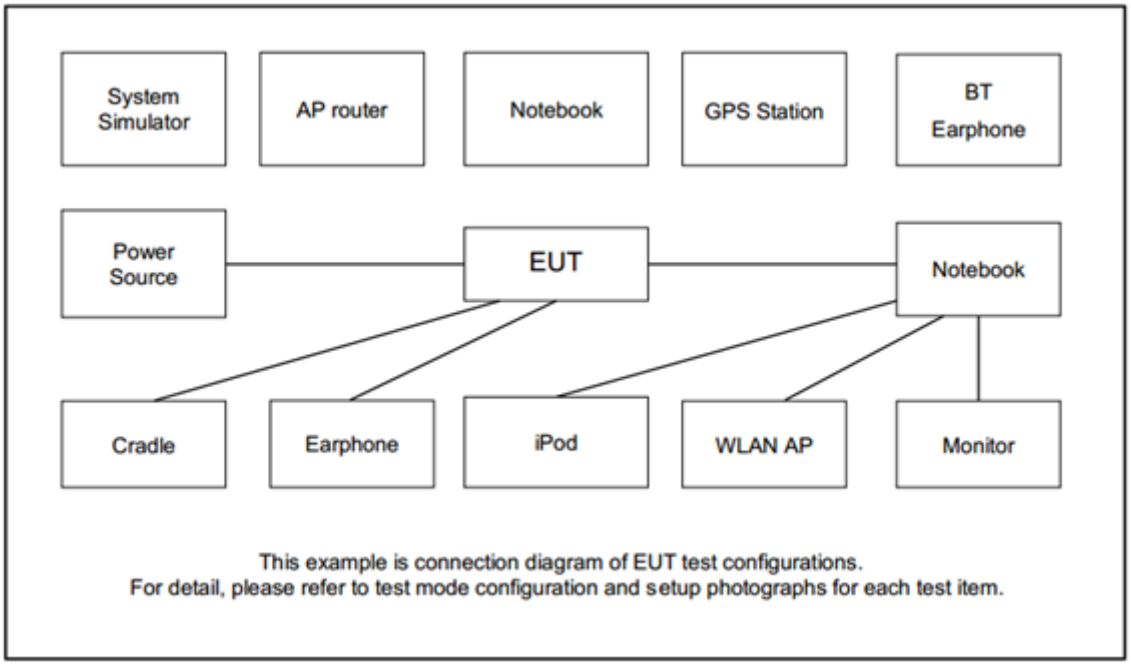
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Battery	Trimble	U80596R01	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT v4.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

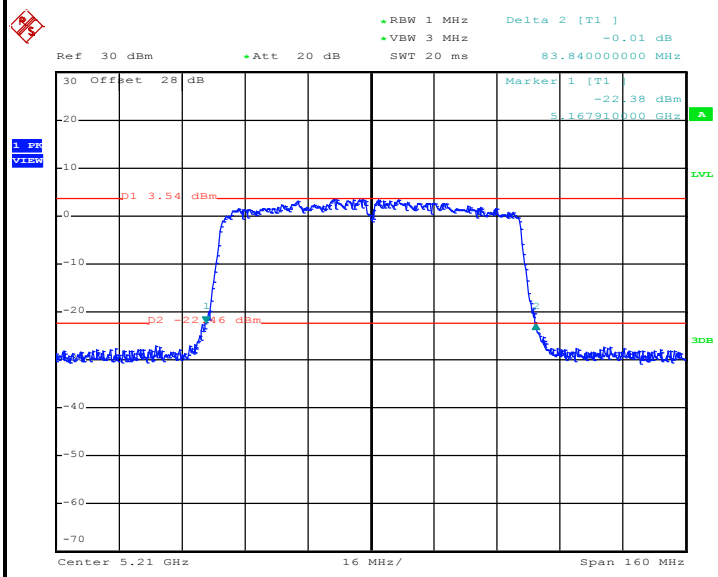
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup

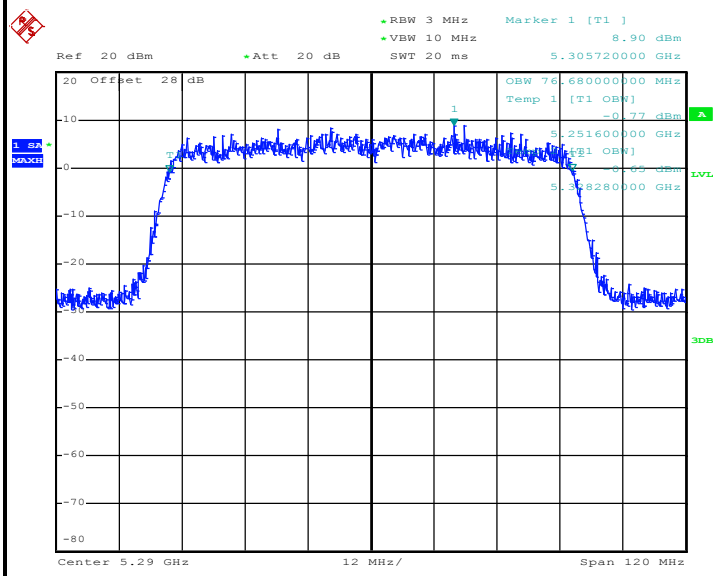
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

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.

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

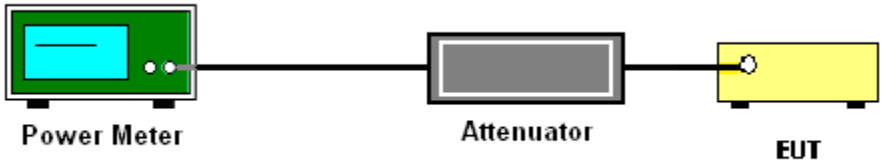
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using an 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.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-3 #

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

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

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

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

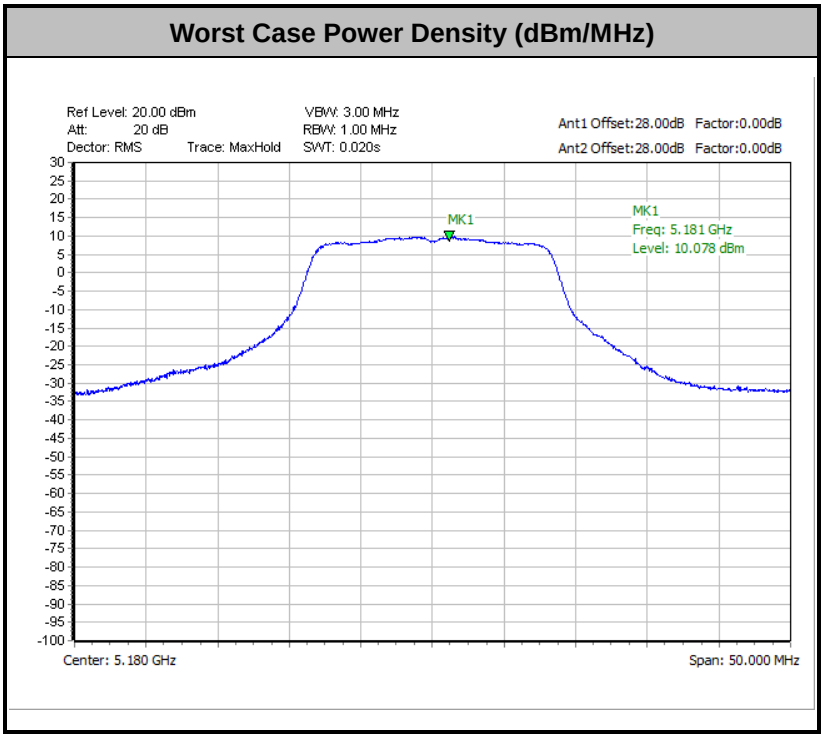
   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (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.

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

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as 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 1000MHz

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

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

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

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

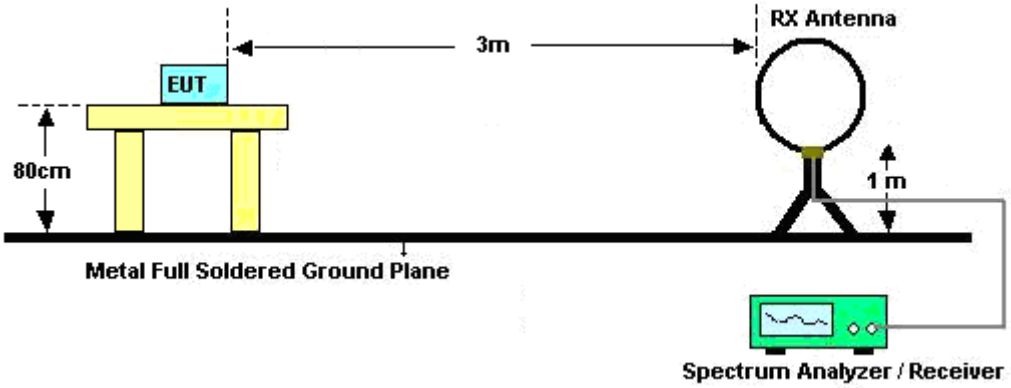
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.

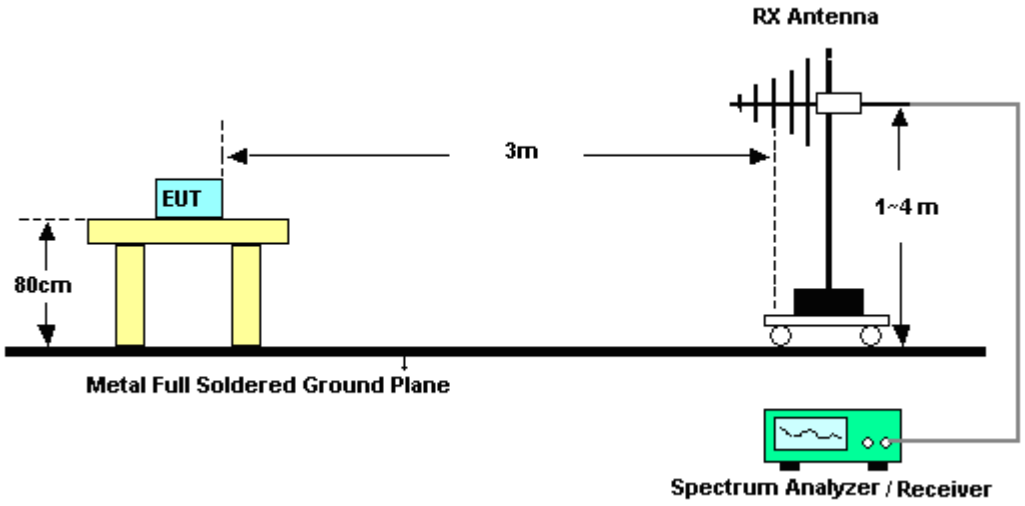
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than 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

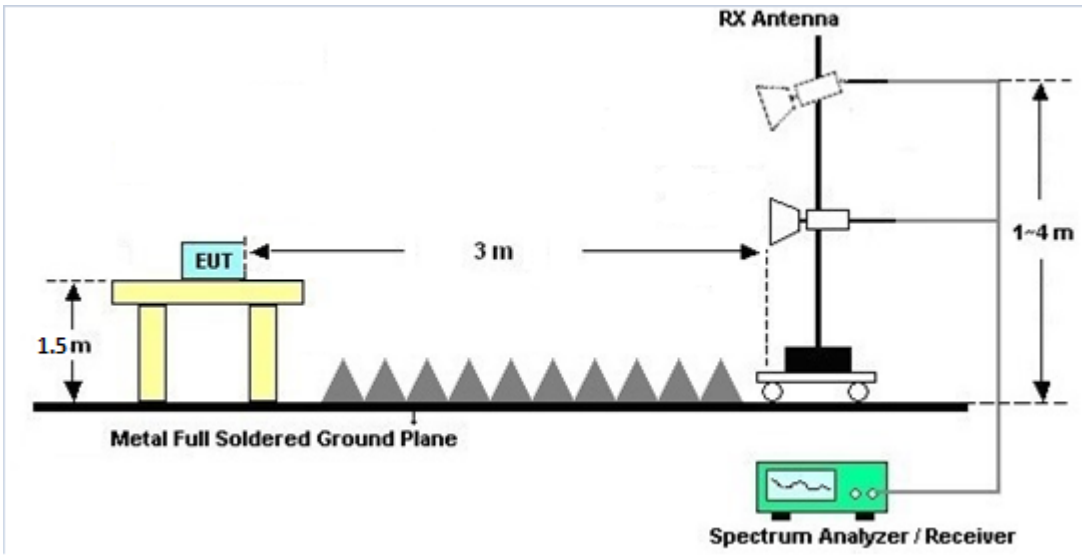
For radiated emissions below 30MHz



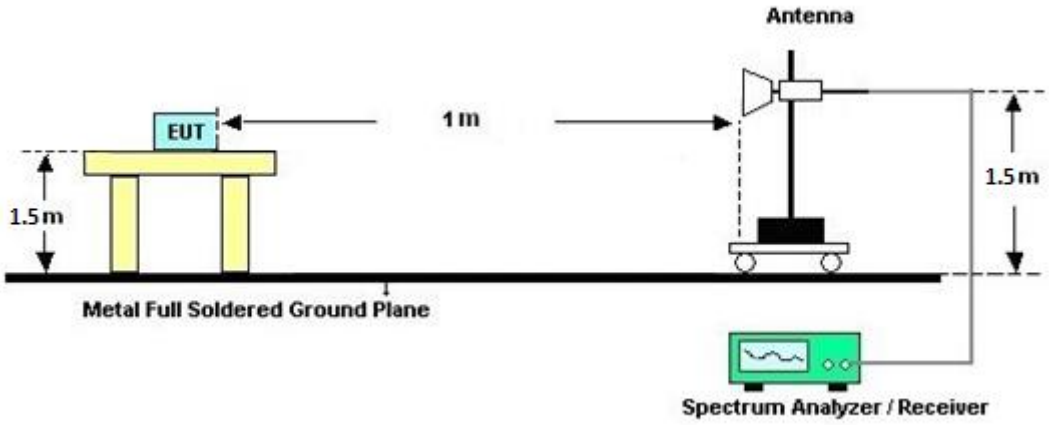
For radiated emissions from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz



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

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

There is 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.

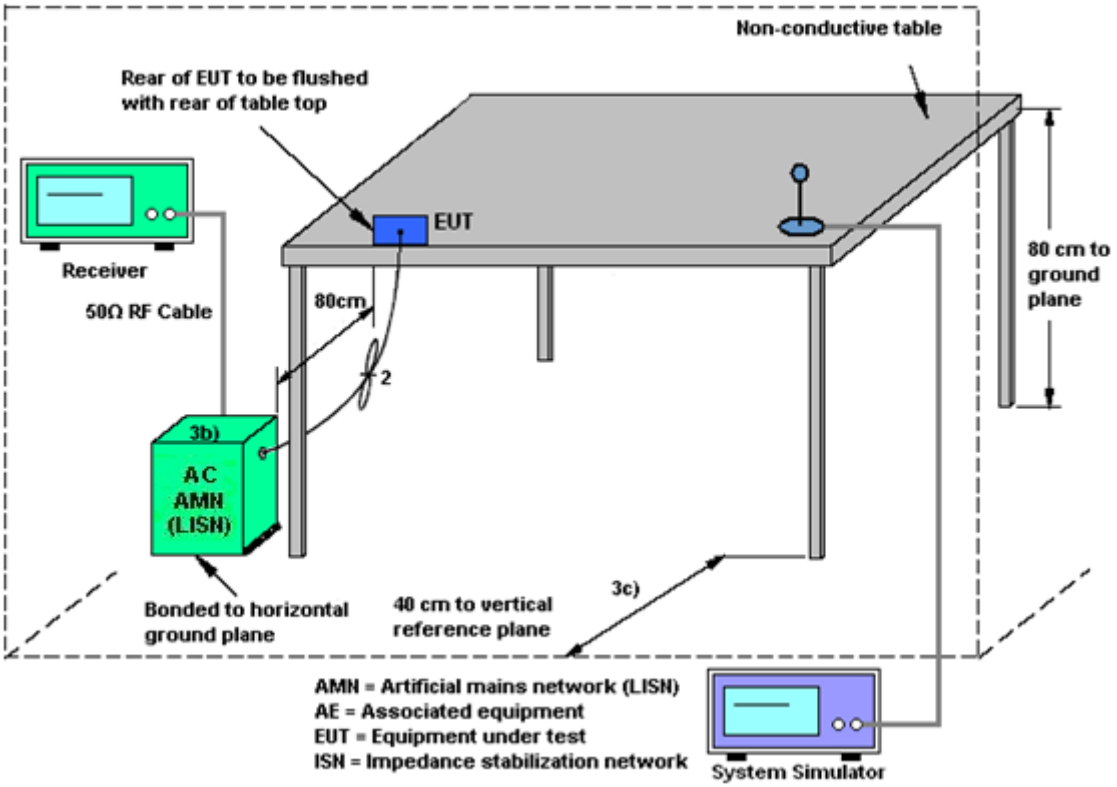
3.5.2 Measuring Instruments

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 should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

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

For PSD, the directional gain calculation is following F)2)f)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. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.00	1.00	3.00	5.07	0.00	0.00
Band II	2.90	1.00	2.90	5.01	0.00	0.00
Band III	3.40	1.60	3.40	5.56	0.00	0.00

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

PSD limit reduction = Composite gain + PSD Array gain – 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	Jan. 09, 2020	Sep. 18, 2020~ Oct. 08, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Sep. 18, 2020~ Oct. 08, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Sep. 18, 2020~ Oct. 08, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1620	1-18GHz	Oct. 28, 2019	Sep. 18, 2020~ Oct. 08, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 10, 2019	Sep. 18, 2020~ Oct. 08, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Sep. 18, 2020~ Oct. 08, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Sep. 18, 2020~ Oct. 08, 2020	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Sep. 18, 2020~ Oct. 08, 2020	Dec. 12, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20MHz~8.4GHz	Nov. 01, 2019	Sep. 18, 2020~ Oct. 08, 2020	Oct. 31, 2020	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Sep. 18, 2020~ Oct. 08, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 18, 2020~ Oct. 08, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 18, 2020~ Oct. 08, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Sep. 18, 2020~ Oct. 08, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 14, 2020	Sep. 18, 2020~ Oct. 08, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4PE	30M-18G	Apr. 14, 2020	Sep. 18, 2020~ Oct. 08, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/4	30M-18G	Apr. 17, 2020	Sep. 18, 2020~ Oct. 08, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Sep. 18, 2020~ Oct. 08, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Sep. 18, 2020~ Oct. 08, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Sep. 18, 2020~ Oct. 08, 2020	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN4	1.53G Low Pass	Jul. 03, 2020	Sep. 18, 2020~ Oct. 08, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 03, 2020	Sep. 18, 2020~ Oct. 08, 2020	Jul. 02, 2021	Radiation (03CH15-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Sep. 10, 2020~ Oct. 12, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Sep. 10, 2020~ Oct. 12, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Sep. 10, 2020~ Oct. 12, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Sep. 10, 2020~ Oct. 12, 2020	Mar. 16, 2021	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 28, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Sep. 28, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Sep. 28, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Sep. 28, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 28, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Sep. 28, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Sep. 28, 2020	Jan. 01, 2021	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))	**5.0**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kathy Chen	Temperature:	23.3~24	°C
Test Date:	2020/09/10~2020/10/12	Relative Humidity:	53.5~54.5	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.65	16.70	23.70	23.85	-		22.21			
11a	6Mbps	2	44	5220	16.60	16.60	24.10	24.25	-		22.20			
11a	6Mbps	2	48	5240	16.70	16.60	24.05	23.50	-		22.20			
VHT20	MCS0	2	36	5180	17.90	17.85	25.15	24.80	-		22.52			
VHT20	MCS0	2	44	5220	17.85	17.80	25.35	24.80	-		22.50			
VHT20	MCS0	2	48	5240	17.90	17.80	25.30	24.80	-		22.50			
VHT40	MCS0	2	38	5190	36.50	36.60	42.12	42.07	-		23.01			
VHT40	MCS0	2	46	5230	36.60	36.60	41.81	41.76	-		23.01			
VHT80	MCS0	2	42	5210	76.56	76.56	83.84	83.84	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.40	16.40	19.41	24.00		3.00			Pass
11a	6Mbps	2	44	5220	16.40	16.40	19.41	24.00		3.00			Pass
11a	6Mbps	2	48	5240	16.40	16.40	19.41	24.00		3.00			Pass
HT20	MCS0	2	36	5180	15.80	15.80	18.81	24.00		3.00			Pass
HT20	MCS0	2	44	5220	15.70	15.80	18.76	24.00		3.00			Pass
HT20	MCS0	2	48	5240	15.70	15.80	18.76	24.00		3.00			Pass
HT40	MCS0	2	38	5190	12.30	12.10	15.21	24.00		3.00			Pass
HT40	MCS0	2	46	5230	15.30	15.20	18.26	24.00		3.00			Pass
VHT20	MCS0	2	36	5180	16.40	16.30	19.36	24.00		3.00			Pass
VHT20	MCS0	2	44	5220	16.30	16.40	19.36	24.00		3.00			Pass
VHT20	MCS0	2	48	5240	16.30	16.40	19.36	24.00		3.00			Pass
VHT40	MCS0	2	38	5190	12.40	12.20	15.31	24.00		3.00			Pass
VHT40	MCS0	2	46	5230	15.40	15.30	18.36	24.00		3.00			Pass
VHT80	MCS0	2	42	5210	11.70	11.50	14.61	24.00		3.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180			10.08	11.00		5.07		Pass
11a	6Mbps	2	44	5220			10.07	11.00		5.07		Pass
11a	6Mbps	2	48	5240			9.92	11.00		5.07		Pass
VHT20	MCS0	2	36	5180			9.83	11.00		5.07		Pass
VHT20	MCS0	2	44	5220			9.94	11.00		5.07		Pass
VHT20	MCS0	2	48	5240			9.86	11.00		5.07		Pass
VHT40	MCS0	2	38	5190			2.00	11.00		5.07		Pass
VHT40	MCS0	2	46	5230			5.28	11.00		5.07		Pass
VHT80	MCS0	2	42	5210			-0.59	11.00		5.07		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.65	16.65	23.85	23.40	23.21		29.21		23.98		
11a	6Mbps	2	60	5300	16.70	16.60	24.10	23.80	23.20		29.20		23.98		
11a	6Mbps	2	64	5320	16.65	16.60	24.20	24.00	23.20		29.20		23.98		
VHT20	MCS0	2	52	5260	17.85	17.75	24.80	24.80	23.49		29.49		23.98		
VHT20	MCS0	2	60	5300	17.90	17.85	25.30	24.60	23.52		29.52		23.98		
VHT20	MCS0	2	64	5320	17.85	17.80	25.65	24.80	23.50		29.50		23.98		
VHT40	MCS0	2	54	5270	36.60	36.60	41.94	41.91	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.60	36.60	41.76	41.94	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.68	76.68	83.84	83.84	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	16.40	16.40	19.41	23.98		2.90		30	Pass
11a	6Mbps	2	60	5300	16.40	16.40	19.41	23.98		2.90		30	Pass
11a	6Mbps	2	64	5320	16.10	16.20	19.16	23.98		2.90		30	Pass
HT20	MCS0	2	52	5260	15.70	15.80	18.76	23.98		2.90		30	Pass
HT20	MCS0	2	60	5300	15.80	15.90	18.86	23.98		2.90		30	Pass
HT20	MCS0	2	64	5320	15.90	15.90	18.91	23.98		2.90		30	Pass
HT40	MCS0	2	54	5270	15.20	15.10	18.16	23.98		2.90		30	Pass
HT40	MCS0	2	62	5310	11.90	11.80	14.86	23.98		2.90		30	Pass
VHT20	MCS0	2	52	5260	16.30	16.40	19.36	23.98		2.90		30	Pass
VHT20	MCS0	2	60	5300	16.30	16.40	19.36	23.98		2.90		30	Pass
VHT20	MCS0	2	64	5320	16.00	16.20	19.11	23.98		2.90		30	Pass
VHT40	MCS0	2	54	5270	15.30	15.20	18.26	23.98		2.90		30	Pass
VHT40	MCS0	2	62	5310	12.00	11.90	14.96	23.98		2.90		30	Pass
VHT80	MCS0	2	58	5290	12.10	12.20	15.16	23.98		2.90		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260			9.99	11.00		5.01		Pass
11a	6Mbps	2	60	5300			9.99	11.00		5.01		Pass
11a	6Mbps	2	64	5320			9.55	11.00		5.01		Pass
VHT20	MCS0	2	52	5260			9.75	11.00		5.01		Pass
VHT20	MCS0	2	60	5300			9.75	11.00		5.01		Pass
VHT20	MCS0	2	64	5320			9.44	11.00		5.01		Pass
VHT40	MCS0	2	54	5270			5.12	11.00		5.01		Pass
VHT40	MCS0	2	62	5310			1.71	11.00		5.01		Pass
VHT80	MCS0	2	58	5290			-0.20	11.00		5.01		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.65	16.60	23.85	23.95	23.20		29.20		23.98		----	----
11a	6Mbps	2	116	5580	16.65	16.60	24.15	23.15	23.20		29.20		23.98		----	----
11a	6Mbps	2	140	5700	16.70	16.60	23.95	23.35	23.20		29.20		23.98		----	----
VHT20	MCS0	2	100	5500	17.90	17.80	25.35	24.50	23.50		29.50		23.98		----	----
VHT20	MCS0	2	116	5580	17.80	17.80	25.30	24.90	23.50		29.50		23.98		----	----
VHT20	MCS0	2	140	5700	17.85	17.80	25.25	24.80	23.50		29.50		23.98		----	----
VHT40	MCS0	2	102	5510	36.60	36.50	42.00	41.94	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.50	36.60	42.00	42.03	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.60	36.60	41.58	41.94	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.56	76.44	83.67	83.84	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.56	76.68	83.35	82.71	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.30	13.30	16.90	16.45	22.24		28.24		23.16		2.55	2.55
VHT20	MCS0	2	144	5720	13.95	13.95	17.65	17.25	22.45		28.45		23.37		2.55	2.55
VHT40	MCS0	2	142	5710	33.30	33.30	35.97	35.88	23.98		30.00		23.98		2.55	2.55
VHT80	MCS0	2	138	5690	73.28	73.52	77.15	76.28	23.98		30.00		23.98		2.6	2.6

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	16.30	16.40	19.36	23.98		3.40		30	Pass
11a	6Mbps	2	116	5580	16.00	16.30	19.16	23.98		3.40		30	Pass
11a	6Mbps	2	140	5700	16.30	16.40	19.36	23.98		3.40		30	Pass
HT20	MCS0	2	100	5500	15.50	15.70	18.61	23.98		3.40		30	Pass
HT20	MCS0	2	116	5580	15.50	15.90	18.71	23.98		3.40		30	Pass
HT20	MCS0	2	140	5700	15.50	15.70	18.61	23.98		3.40		30	Pass
HT40	MCS0	2	102	5510	13.30	13.40	16.36	23.98		3.40		30	Pass
HT40	MCS0	2	110	5550	15.00	15.30	18.16	23.98		3.40		30	Pass
HT40	MCS0	2	134	5670	15.10	15.10	18.11	23.98		3.40		30	Pass
VHT20	MCS0	2	100	5500	16.00	16.30	19.16	23.98		3.40		30	Pass
VHT20	MCS0	2	116	5580	16.00	16.40	19.21	23.98		3.40		30	Pass
VHT20	MCS0	2	140	5700	16.10	16.30	19.21	23.98		3.40		30	Pass
VHT40	MCS0	2	102	5510	13.40	13.50	16.46	23.98		3.40		30	Pass
VHT40	MCS0	2	110	5550	15.10	15.40	18.26	23.98		3.40		30	Pass
VHT40	MCS0	2	134	5670	15.20	15.20	18.21	23.98		3.40		30	Pass
VHT80	MCS0	2	106	5530	11.70	11.80	14.76	23.98		3.40		30	Pass
VHT80	MCS0	2	122	5610	15.40	15.40	18.41	23.98		3.40		30	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	16.20	16.40	19.31	23.16		3.40		30	Pass
HT20	MCS0	2	144	5720	15.50	15.70	18.61	23.98		3.40		30	Pass
HT40	MCS0	2	142	5710	15.00	15.10	18.06	23.98		3.40		30	Pass
VHT20	MCS0	2	144	5720	16.00	16.30	19.16	23.37		3.40		30	Pass
VHT40	MCS0	2	142	5710	15.10	15.20	18.16	23.98		3.40		30	Pass
VHT80	MCS0	2	138	5690	15.30	15.40	18.36	23.98		3.40		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500			9.53	11.00		5.56		Pass
11a	6Mbps	2	116	5580			9.75	11.00		5.56		Pass
11a	6Mbps	2	140	5700			9.58	11.00		5.56		Pass
VHT20	MCS0	2	100	5500			9.35	11.00		5.56		Pass
VHT20	MCS0	2	116	5580			9.66	11.00		5.56		Pass
VHT20	MCS0	2	140	5700			9.44	11.00		5.56		Pass
VHT40	MCS0	2	102	5510			3.14	11.00		5.56		Pass
VHT40	MCS0	2	110	5550			5.13	11.00		5.56		Pass
VHT40	MCS0	2	134	5670			5.11	11.00		5.56		Pass
VHT80	MCS0	2	106	5530			-0.36	11.00		5.56		Pass
VHT80	MCS0	2	122	5610			3.49	11.00		5.56		Pass

Band III straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	144	5720			9.56	11.00		5.56		Pass
VHT20	MCS0	2	144	5720			9.26	11.00		5.56		Pass
VHT40	MCS0	2	142	5710			4.92	11.00		5.56		Pass
VHT80	MCS0	2	138	5690			3.20	11.00		5.56		Pass

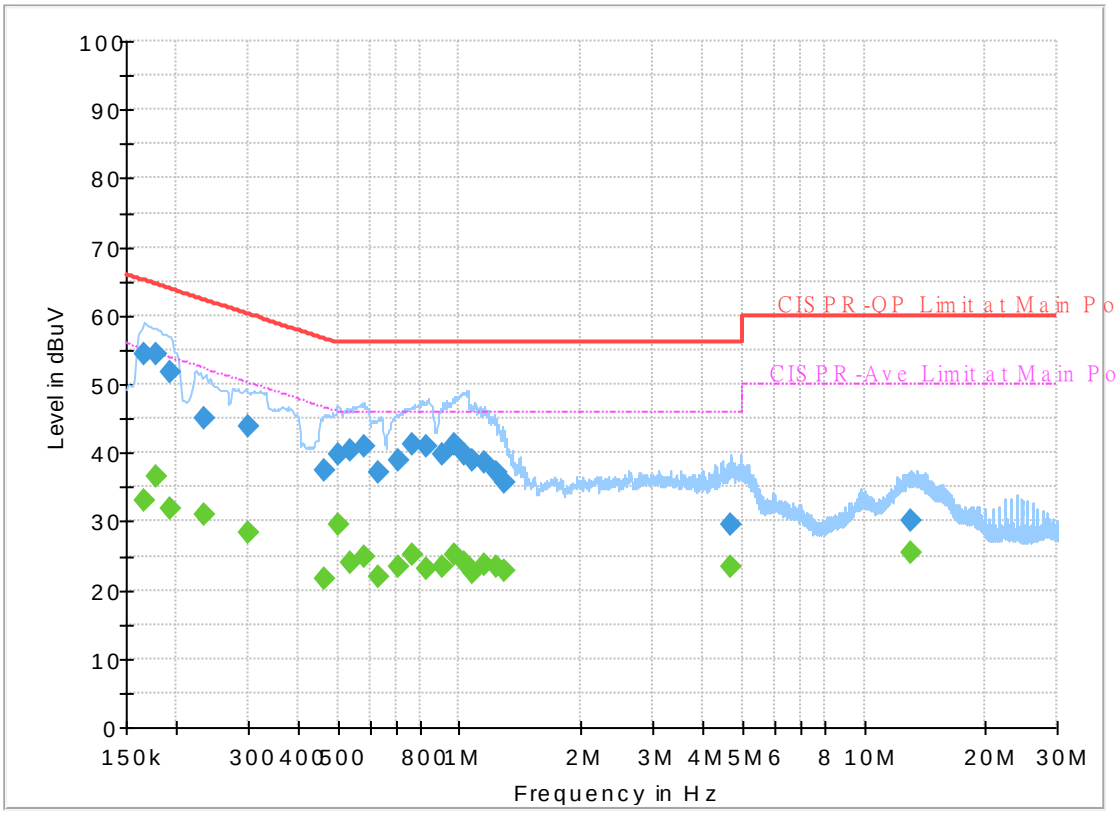
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	24~26℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	081931
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

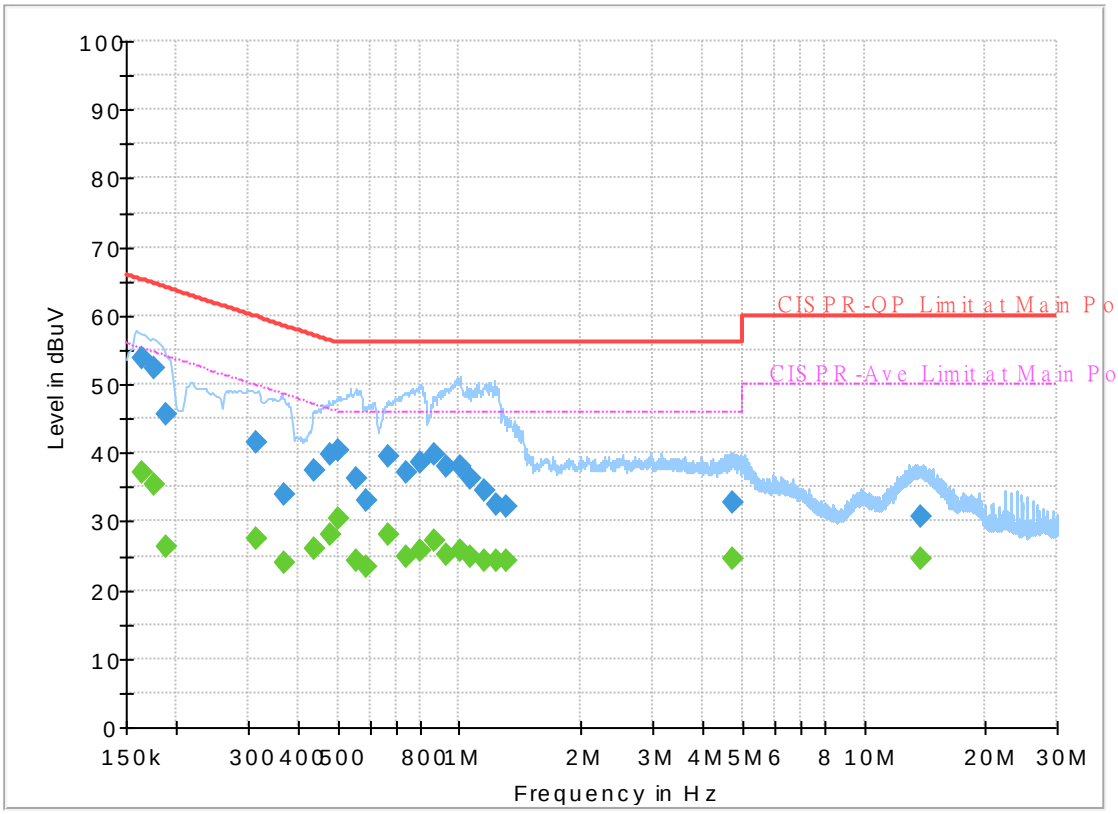
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.166560	---	32.91	55.13	22.22	L1	OFF	19.6
0.166560	54.39	---	65.13	10.74	L1	OFF	19.6
0.177000	---	36.42	54.63	18.21	L1	OFF	19.6
0.177000	54.25	---	64.63	10.38	L1	OFF	19.6
0.193200	---	32.01	53.90	21.89	L1	OFF	19.6
0.193200	51.76	---	63.90	12.14	L1	OFF	19.6
0.232800	---	30.91	52.35	21.44	L1	OFF	19.6
0.232800	45.00	---	62.35	17.35	L1	OFF	19.6
0.300750	---	28.50	50.22	21.72	L1	OFF	19.6
0.300750	43.83	---	60.22	16.39	L1	OFF	19.6
0.462750	---	21.75	46.64	24.89	L1	OFF	19.6
0.462750	37.53	---	56.64	19.11	L1	OFF	19.6
0.501810	---	29.49	46.00	16.51	L1	OFF	19.6
0.501810	39.74	---	56.00	16.26	L1	OFF	19.6
0.537000	---	24.02	46.00	21.98	L1	OFF	19.6
0.537000	40.30	---	56.00	15.70	L1	OFF	19.6
0.579210	---	24.78	46.00	21.22	L1	OFF	19.6
0.579210	40.80	---	56.00	15.20	L1	OFF	19.6
0.629790	---	21.91	46.00	24.09	L1	OFF	19.6
0.629790	37.11	---	56.00	18.89	L1	OFF	19.6
0.702690	---	23.42	46.00	22.58	L1	OFF	19.6

0.702690	38.78	---	56.00	17.22	L1	OFF	19.6
0.761010	---	25.14	46.00	20.86	L1	OFF	19.6
0.761010	41.34	---	56.00	14.66	L1	OFF	19.6
0.831750	---	23.02	46.00	22.98	L1	OFF	19.6
0.831750	40.84	---	56.00	15.16	L1	OFF	19.6
0.907080	---	23.39	46.00	22.61	L1	OFF	19.6
0.907080	39.87	---	56.00	16.13	L1	OFF	19.6
0.966750	---	25.14	46.00	20.86	L1	OFF	19.6
0.966750	41.12	---	56.00	14.88	L1	OFF	19.6
1.024080	---	23.94	46.00	22.06	L1	OFF	19.6
1.024080	39.66	---	56.00	16.34	L1	OFF	19.6
1.079250	---	22.44	46.00	23.56	L1	OFF	19.6
1.079250	38.98	---	56.00	17.02	L1	OFF	19.6
1.157280	---	23.61	46.00	22.39	L1	OFF	19.6
1.157280	38.53	---	56.00	17.47	L1	OFF	19.6
1.227750	---	23.42	46.00	22.58	L1	OFF	19.6
1.227750	37.27	---	56.00	18.73	L1	OFF	19.6
1.297500	---	22.74	46.00	23.26	L1	OFF	19.6
1.297500	35.60	---	56.00	20.40	L1	OFF	19.6
4.703010	---	23.45	46.00	22.55	L1	OFF	19.7
4.703010	29.66	---	56.00	26.34	L1	OFF	19.7
12.988500	---	25.55	50.00	24.45	L1	OFF	20.0
12.988500	30.08	---	60.00	29.92	L1	OFF	20.0

EUT Information

Report NO :	081931
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)
0.163500	---	37.19	55.28	18.09	N	OFF	19.6
0.163500	53.83	---	65.28	11.45	N	OFF	19.6
0.175470	---	35.39	54.70	19.31	N	OFF	19.6
0.175470	52.21	---	64.70	12.49	N	OFF	19.6
0.188250	---	26.28	54.11	27.83	N	OFF	19.6
0.188250	45.71	---	64.11	18.40	N	OFF	19.6
0.313800	---	27.51	49.87	22.36	N	OFF	19.6
0.313800	41.49	---	59.87	18.38	N	OFF	19.6
0.368250	---	24.00	48.54	24.54	N	OFF	19.6
0.368250	34.01	---	58.54	24.53	N	OFF	19.6
0.436110	---	26.02	47.14	21.12	N	OFF	19.6
0.436110	37.55	---	57.14	19.59	N	OFF	19.6
0.479040	---	27.99	46.36	18.37	N	OFF	19.6
0.479040	39.72	---	56.36	16.64	N	OFF	19.6
0.503070	---	30.55	46.00	15.45	N	OFF	19.6
0.503070	40.36	---	56.00	15.64	N	OFF	19.6
0.553740	---	24.28	46.00	21.72	N	OFF	19.6
0.553740	36.13	---	56.00	19.87	N	OFF	19.6
0.586500	---	23.27	46.00	22.73	N	OFF	19.6
0.586500	33.00	---	56.00	23.00	N	OFF	19.6
0.668850	---	28.17	46.00	17.83	N	OFF	19.6

0.668850	39.47	---	56.00	16.53	N	OFF	19.6
0.737250	---	24.79	46.00	21.21	N	OFF	19.6
0.737250	37.26	---	56.00	18.74	N	OFF	19.6
0.800250	---	25.72	46.00	20.28	N	OFF	19.6
0.800250	38.53	---	56.00	17.47	N	OFF	19.6
0.870000	---	27.23	46.00	18.77	N	OFF	19.6
0.870000	39.89	---	56.00	16.11	N	OFF	19.6
0.933360	---	25.21	46.00	20.79	N	OFF	19.6
0.933360	38.04	---	56.00	17.96	N	OFF	19.6
1.000500	---	25.73	46.00	20.27	N	OFF	19.6
1.000500	38.06	---	56.00	17.94	N	OFF	19.6
1.068000	---	24.93	46.00	21.07	N	OFF	19.6
1.068000	36.35	---	56.00	19.65	N	OFF	19.6
1.150260	---	24.20	46.00	21.80	N	OFF	19.6
1.150260	34.61	---	56.00	21.39	N	OFF	19.6
1.239810	---	24.27	46.00	21.73	N	OFF	19.6
1.239810	32.46	---	56.00	23.54	N	OFF	19.6
1.305510	---	24.34	46.00	21.66	N	OFF	19.6
1.305510	32.22	---	56.00	23.78	N	OFF	19.6
4.724250	---	24.60	46.00	21.40	N	OFF	19.8
4.724250	32.75	---	56.00	23.25	N	OFF	19.8
13.902000	---	24.46	50.00	25.54	N	OFF	20.1
13.902000	30.59	---	60.00	29.41	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.2°C
		Relative Humidity :	45~59%

Band 1 - 5150~5250MHz

WIFI 802.11a (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.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.42	58.62	-15.38	74	46.05	32.09	10.49	30.01	153	9	P	H
		5147.16	47.42	-6.58	54	34.85	32.09	10.49	30.01	153	9	A	H
	*	5180	111.76	-	-	99.31	31.92	10.54	30.01	153	9	P	H
	*	5180	103.75	-	-	91.3	31.92	10.54	30.01	153	9	A	H
													H
		5150	62.61	-11.39	74	50.03	32.1	10.49	30.01	200	358	P	V
		5150	51.69	-2.31	54	39.11	32.1	10.49	30.01	200	358	A	V
	*	5180	114.43	-	-	101.98	31.92	10.54	30.01	200	358	P	V
	*	5180	106.8	-	-	94.35	31.92	10.54	30.01	200	358	A	V
													V
802.11a CH 44 5220MHz		5111.8	53.27	-20.73	74	40.82	32.02	10.44	30.01	135	9	P	H
		5150	42.48	-11.52	54	29.9	32.1	10.49	30.01	135	9	A	H
	*	5220	111.35	-	-	99.1	31.68	10.58	30.01	135	9	P	H
	*	5220	103.69	-	-	91.44	31.68	10.58	30.01	135	9	A	H
		5365.36	52.36	-21.64	74	40.23	31.49	10.64	30	135	9	P	H
		5455.52	41.4	-12.6	54	28.93	31.73	10.73	29.99	135	9	A	H
		5139.88	53.54	-20.46	74	40.99	32.08	10.48	30.01	174	358	P	V
		5150	43.69	-10.31	54	31.11	32.1	10.49	30.01	174	358	A	V
	*	5220	115.16	-	-	102.91	31.68	10.58	30.01	174	358	P	V
	*	5220	107.43	-	-	95.18	31.68	10.58	30.01	174	358	A	V
		5361.44	53.11	-20.89	74	41	31.47	10.64	30	174	358	P	V
		5452.72	41.63	-12.37	54	29.18	31.72	10.72	29.99	174	358	A	V

802.11a CH 48 5240MHz		5087.36	52.29	-21.71	74	39.93	31.97	10.4	30.01	147	9	P	H
		5149.5	42.26	-11.74	54	29.68	32.1	10.49	30.01	147	9	A	H
	*	5240	111.1	-	-	98.96	31.56	10.59	30.01	147	9	P	H
	*	5240	103.39	-	-	91.25	31.56	10.59	30.01	147	9	A	H
		5390.56	51.85	-22.15	74	39.55	31.64	10.66	30	147	9	P	H
		5399.24	41.64	-12.36	54	29.28	31.7	10.66	30	147	9	A	H
		5148.72	52.44	-21.56	74	39.86	32.1	10.49	30.01	183	24	P	V
		5150	42.99	-11.01	54	30.41	32.1	10.49	30.01	183	24	A	V
	*	5240	114.47	-	-	102.33	31.56	10.59	30.01	183	24	P	V
	*	5240	107.22	-	-	95.08	31.56	10.59	30.01	183	24	A	V
		5430.6	52.8	-21.2	74	40.39	31.7	10.7	29.99	183	24	P	V
		5351.08	42.24	-11.76	54	30.19	31.41	10.64	30	183	24	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	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	51.05	-17.15	68.2	57.64	39.9	14.41	60.9	100	0	P	H
		15540	47.22	-26.78	74	54.65	38	17.28	62.71	100	0	P	H
													H
													H
		10360	49.9	-18.3	68.2	56.49	39.9	14.41	60.9	100	0	P	V
		15540	47.65	-26.35	74	55.08	38	17.28	62.71	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	53.95	-14.25	68.2	60.46	40.1	14.41	61.02	100	0	P	H
		15660	47.07	-26.93	74	54.28	37.58	17.34	62.13	100	0	P	H
													H
													H
		10440	52.71	-15.49	68.2	59.22	40.1	14.41	61.02	100	0	P	V
		15660	46.92	-27.08	74	54.13	37.58	17.34	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	53.35	-14.85	68.2	59.91	40.1	14.41	61.07	100	0	P	H
		15720	46.11	-27.89	74	53.12	37.46	17.37	61.84	100	0	P	H
													H
													H
		10480	53.24	-14.96	68.2	59.8	40.1	14.41	61.07	100	0	P	V
		15720	46.23	-27.77	74	53.24	37.46	17.37	61.84	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 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5149.5	55.91	-18.09	74	43.33	32.1	10.49	30.01	161	11	P	H
		5149.76	47.05	-6.95	54	34.47	32.1	10.49	30.01	161	11	A	H
	*	5180	111.09	-	-	98.64	31.92	10.54	30.01	161	11	P	H
	*	5180	103.37	-	-	90.92	31.92	10.54	30.01	161	11	A	H
802.11ac													H
VHT20													H
CH 36		5147.68	60.67	-13.33	74	48.09	32.1	10.49	30.01	196	121	P	V
5180MHz		5150	51.39	-2.61	54	38.81	32.1	10.49	30.01	196	121	A	V
	*	5180	113.86	-	-	101.41	31.92	10.54	30.01	196	121	P	V
	*	5180	106.21	-	-	93.76	31.92	10.54	30.01	196	121	A	V
													V
													V
		5102.44	51.8	-22.2	74	39.39	32	10.42	30.01	159	10	P	H
		5147.94	43.48	-10.52	54	30.9	32.1	10.49	30.01	159	10	A	H
	*	5220	111.62	-	-	99.37	31.68	10.58	30.01	159	10	P	H
	*	5220	103.83	-	-	91.58	31.68	10.58	30.01	159	10	A	H
802.11ac		5413.52	52.01	-21.99	74	39.63	31.7	10.68	30	159	10	P	H
VHT20		5405.96	42.47	-11.53	54	30.1	31.7	10.67	30	159	10	A	H
CH 44		5150	53.48	-20.52	74	40.9	32.1	10.49	30.01	178	359	P	V
5220MHz		5148.72	44.86	-9.14	54	32.28	32.1	10.49	30.01	178	359	A	V
	*	5220	115.36	-	-	103.11	31.68	10.58	30.01	178	359	P	V
	*	5220	107.73	-	-	95.48	31.68	10.58	30.01	178	359	A	V
		5408.2	51.26	-22.74	74	38.89	31.7	10.67	30	178	359	P	V
		5457.2	42.8	-11.2	54	30.32	31.74	10.73	29.99	178	359	A	V

		5058.24	52.54	-21.46	74	40.28	31.92	10.36	30.02	155	10	P	H
		5146.64	43.33	-10.67	54	30.76	32.09	10.49	30.01	155	10	A	H
	*	5240	109.98	-	-	97.84	31.56	10.59	30.01	155	10	P	H
	*	5240	101.8	-	-	89.66	31.56	10.59	30.01	155	10	A	H
802.11ac		5382.16	52.01	-21.99	74	39.77	31.59	10.65	30	155	10	P	H
VHT20		5443.2	42.58	-11.42	54	30.16	31.7	10.71	29.99	155	10	A	H
CH 48		5142.22	51.84	-22.16	74	39.29	32.08	10.48	30.01	200	125	P	V
5240MHz		5149.76	44.07	-9.93	54	31.49	32.1	10.49	30.01	200	125	A	V
	*	5240	114.58	-	-	102.44	31.56	10.59	30.01	200	125	P	V
	*	5240	106.39	-	-	94.25	31.56	10.59	30.01	200	125	A	V
		5414.36	52.08	-21.92	74	39.7	31.7	10.68	30	200	125	P	V
		5352.48	43.09	-10.91	54	31.04	31.41	10.64	30	200	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 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	51.24	-16.96	68.2	57.83	39.9	14.41	60.9	100	0	P	H
		15540	46.59	-27.41	74	54.02	38	17.28	62.71	100	0	P	H
802.11ac													H
VHT20													H
CH 36		10360	48.76	-19.44	68.2	55.35	39.9	14.41	60.9	100	0	P	V
5180MHz		15540	46.85	-27.15	74	54.28	38	17.28	62.71	100	0	P	V
													V
													V
		10440	53.35	-14.85	68.2	59.86	40.1	14.41	61.02	100	0	P	H
		15660	49.03	-24.97	74	56.24	37.58	17.34	62.13	100	0	P	H
802.11ac													H
VHT20													H
CH 44		10440	52.55	-15.65	68.2	59.06	40.1	14.41	61.02	100	0	P	V
5220MHz		15660	46.74	-27.26	74	53.95	37.58	17.34	62.13	100	0	P	V
													V
													V
		10480	53.68	-14.52	68.2	60.24	40.1	14.41	61.07	100	0	P	H
		15720	45.84	-28.16	74	52.85	37.46	17.37	61.84	100	0	P	H
802.11ac													H
VHT20													H
CH 48		10480	53.47	-14.73	68.2	60.03	40.1	14.41	61.07	100	0	P	V
5240MHz		15720	46.69	-27.31	74	53.7	37.46	17.37	61.84	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 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5149.24	58.15	-15.85	74	45.57	32.1	10.49	30.01	100	63	P	H
		5149.5	49.42	-4.58	54	36.84	32.1	10.49	30.01	100	63	A	H
	*	5190	102.92	-	-	90.52	31.86	10.55	30.01	100	63	P	H
	*	5190	95.29	-	-	82.89	31.86	10.55	30.01	100	63	A	H
802.11ac		5412.68	52.54	-21.46	74	40.16	31.7	10.68	30	100	63	P	H
VHT40		5412.4	45.43	-8.57	54	33.05	31.7	10.68	30	100	63	A	H
CH 38		5149.76	60.87	-13.13	74	48.29	32.1	10.49	30.01	178	359	P	V
5190MHz		5149.76	52.15	-1.85	54	39.57	32.1	10.49	30.01	178	359	A	V
	*	5190	108.42	-	-	96.02	31.86	10.55	30.01	178	359	P	V
	*	5190	100.1	-	-	87.7	31.86	10.55	30.01	178	359	A	V
		5418	53.57	-20.43	74	41.18	31.7	10.68	29.99	178	359	P	V
		5413.24	46.62	-7.38	54	34.24	31.7	10.68	30	178	359	A	V
		5147.16	52.35	-21.65	74	39.78	32.09	10.49	30.01	100	57	P	H
		5003.12	43.95	-10.05	54	31.98	31.71	10.28	30.02	100	57	A	H
	*	5230	105.48	-	-	93.29	31.62	10.58	30.01	100	57	P	H
	*	5230	97.85	-	-	85.66	31.62	10.58	30.01	100	57	A	H
802.11ac		5459.16	51.61	-22.39	74	39.12	31.75	10.73	29.99	100	57	P	H
VHT40		5453.56	44.4	-9.6	54	31.95	31.72	10.72	29.99	100	57	A	H
CH 46		5146.9	54.36	-19.64	74	41.79	32.09	10.49	30.01	195	360	P	V
5230MHz		5007.02	47.2	-6.8	54	35.21	31.73	10.28	30.02	195	360	A	V
	*	5230	110.94	-	-	98.75	31.62	10.58	30.01	195	360	P	V
	*	5230	103.43	-	-	91.24	31.62	10.58	30.01	195	360	A	V
		5452.44	59.42	-14.58	74	46.98	31.71	10.72	29.99	195	360	P	V
		5452.44	51.56	-2.44	54	39.12	31.71	10.72	29.99	195	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	48.01	-20.19	68.2	54.53	40	14.41	60.93	100	0	P	H
		15570	47.12	-26.88	74	54.54	37.85	17.29	62.56	100	0	P	H
802.11ac													H
VHT40													H
CH 38		10380	47.49	-20.71	68.2	54.01	40	14.41	60.93	100	0	P	V
5190MHz		15570	46.99	-27.01	74	54.41	37.85	17.29	62.56	100	0	P	V
													V
													V
		10460	50.15	-18.05	68.2	56.68	40.1	14.41	61.04	100	0	P	H
		15690	46.68	-27.32	74	53.8	37.52	17.35	61.99	100	0	P	H
802.11ac													H
VHT40													H
CH 46		10460	49.37	-18.83	68.2	55.9	40.1	14.41	61.04	100	0	P	V
5230MHz		15690	47.25	-26.75	74	54.37	37.52	17.35	61.99	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 42 5210MHz		5143.52	57.74	-16.26	74	45.18	32.09	10.48	30.01	100	60	P	H
		5144.3	48.85	-5.15	54	36.28	32.09	10.49	30.01	100	60	A	H
	*	5210	99.78	-	-	87.48	31.74	10.57	30.01	100	60	P	H
	*	5210	91.77	-	-	79.47	31.74	10.57	30.01	100	60	A	H
		5439.28	50.81	-23.19	74	38.39	31.7	10.71	29.99	100	60	P	H
		5355.28	42.55	-11.45	54	30.48	31.43	10.64	30	100	60	A	H
		5146.9	58.39	-15.61	74	45.82	32.09	10.49	30.01	202	1	P	V
		5147.68	50.74	-3.26	54	38.16	32.1	10.49	30.01	202	1	A	V
	*	5210	104.15	-	-	91.85	31.74	10.57	30.01	202	1	P	V
	*	5210	96.26	-	-	83.96	31.74	10.57	30.01	202	1	A	V
		5424.44	51.79	-22.21	74	39.39	31.7	10.69	29.99	202	1	P	V
		5351.36	43.47	-10.53	54	31.42	31.41	10.64	30	202	1	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	47.8	-20.4	68.2	54.28	40.1	14.41	60.99	100	0	P	H
		15630	46.58	-27.42	74	53.9	37.64	17.32	62.28	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	48.33	-19.87	68.2	54.81	40.1	14.41	60.99	100	0	P	V
5210MHz		15630	46.75	-27.25	74	54.07	37.64	17.32	62.28	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5048.62	51.77	-22.23	74	39.55	31.89	10.35	30.02	100	57	P	H
		5149.94	41.68	-12.32	54	29.1	32.1	10.49	30.01	100	57	A	H
	*	5260	110.9	-	-	98.82	31.48	10.6	30	100	57	P	H
	*	5260	100.35	-	-	88.27	31.48	10.6	30	100	57	A	H
		5413.2	52.82	-21.18	74	40.44	31.7	10.68	30	100	57	P	H
		5459.76	41.52	-12.48	54	29.02	31.76	10.73	29.99	100	57	A	H
		5124.78	51.91	-22.09	74	39.41	32.05	10.46	30.01	200	26	P	V
		5149.94	42.01	-11.99	54	29.43	32.1	10.49	30.01	200	26	A	V
	*	5260	115.09	-	-	103.01	31.48	10.6	30	200	26	P	V
	*	5260	107.6	-	-	95.52	31.48	10.6	30	200	26	A	V
		5383.92	52.4	-21.6	74	40.15	31.6	10.65	30	200	26	P	V
		5350.08	42.31	-11.69	54	30.27	31.4	10.64	30	200	26	A	V
802.11a CH 60 5300MHz		5117.64	52	-22	74	39.52	32.04	10.45	30.01	100	55	P	H
		5107.44	41.62	-12.38	54	29.19	32.01	10.43	30.01	100	55	A	H
	*	5300	110.98	-	-	98.97	31.4	10.61	30	100	55	P	H
	*	5300	103.5	-	-	91.49	31.4	10.61	30	100	55	A	H
		5356.08	52.5	-21.5	74	40.42	31.44	10.64	30	100	55	P	H
		5350.8	42.94	-11.06	54	30.9	31.4	10.64	30	100	55	A	H
		5074.12	52.16	-21.84	74	39.85	31.95	10.38	30.02	173	25	P	V
		5149.26	41.77	-12.23	54	29.19	32.1	10.49	30.01	173	25	A	V
	*	5300	115.58	-	-	103.57	31.4	10.61	30	173	25	P	V
	*	5300	107.64	-	-	95.63	31.4	10.61	30	173	25	A	V
		5352.24	54.65	-19.35	74	42.6	31.41	10.64	30	173	25	P	V
		5350.08	45.37	-8.63	54	33.33	31.4	10.64	30	173	25	A	V

802.11a CH 64 5320MHz	*	5320	110.08	-	-	98.06	31.4	10.62	30	100	55	P	H
	*	5320	92.49	-	-	80.47	31.4	10.62	30	100	55	A	H
		5353.44	55.46	-18.54	74	43.4	31.42	10.64	30	100	55	P	H
		5352.8	44.9	-9.1	54	32.84	31.42	10.64	30	100	55	A	H
													H
													H
	*	5320	114.2	-	-	102.18	31.4	10.62	30	168	8	P	V
	*	5320	107.01	-	-	94.99	31.4	10.62	30	168	8	A	V
		5350.08	61.16	-12.84	74	49.12	31.4	10.64	30	168	8	P	V
		5350.24	50.74	-3.26	54	38.7	31.4	10.64	30	168	8	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	55.07	-13.13	68.2	61.65	40.12	14.4	61.1	100	0	P	H
		15780	46.46	-27.54	74	53.28	37.34	17.4	61.56	100	0	P	H
													H
													H
		10520	52.04	-16.16	68.2	58.62	40.12	14.4	61.1	100	0	P	V
		15780	46.49	-27.51	74	53.31	37.34	17.4	61.56	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	53.73	-20.27	74	60.23	40.2	14.4	61.1	202	295	P	H
		10600	43.71	-10.29	54	50.21	40.2	14.4	61.1	202	295	A	H
		15900	45.25	-28.75	74	51.97	36.8	17.46	60.98	100	0	P	H
													H
		10600	48.9	-25.1	74	55.4	40.2	14.4	61.1	100	0	P	V
		15900	45.84	-28.16	74	52.56	36.8	17.46	60.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	49.08	-24.92	74	55.63	40.16	14.39	61.1	100	0	P	H
		15960	45.99	-28.01	74	52.27	36.92	17.49	60.69	100	0	P	H
													H
													H
		10640	49.92	-24.08	74	56.47	40.16	14.39	61.1	100	0	P	V
		15960	45.91	-28.09	74	52.19	36.92	17.49	60.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5141.1	51.85	-22.15	74	39.3	32.08	10.48	30.01	100	56	P	H
		5085	42.87	-11.13	54	30.51	31.97	10.4	30.01	100	56	A	H
	*	5260	111.31	-	-	99.23	31.48	10.6	30	100	56	P	H
	*	5260	103.73	-	-	91.65	31.48	10.6	30	100	56	A	H
802.11ac		5436.72	53.25	-20.75	74	40.84	31.7	10.7	29.99	100	56	P	H
VHT20		5397.84	42.54	-11.46	54	30.19	31.69	10.66	30	100	56	A	H
CH 52		5078.2	51.95	-22.05	74	39.62	31.96	10.39	30.02	184	121	P	V
5260MHz		5144.5	43.25	-10.75	54	30.68	32.09	10.49	30.01	184	121	A	V
	*	5260	114.49	-	-	102.41	31.48	10.6	30	184	121	P	V
	*	5260	106.72	-	-	94.64	31.48	10.6	30	184	121	A	V
		5364	51.56	-22.44	74	39.44	31.48	10.64	30	184	121	P	V
		5350.08	43.07	-10.93	54	31.03	31.4	10.64	30	184	121	A	V
		5130.22	52.29	-21.71	74	39.77	32.06	10.47	30.01	100	55	P	H
		5095.54	42.47	-11.53	54	30.08	31.99	10.41	30.01	100	55	A	H
	*	5300	109.49	-	-	97.48	31.4	10.61	30	100	55	P	H
	*	5300	101.89	-	-	89.88	31.4	10.61	30	100	55	A	H
802.11ac		5422.8	52.34	-21.66	74	39.94	31.7	10.69	29.99	100	55	P	H
VHT20		5352	43.87	-10.13	54	31.82	31.41	10.64	30	100	55	A	H
CH 60		5145.86	52.62	-21.38	74	40.05	32.09	10.49	30.01	156	16	P	V
5300MHz		5149.26	42.75	-11.25	54	30.17	32.1	10.49	30.01	156	16	A	V
	*	5300	115.1	-	-	103.09	31.4	10.61	30	156	16	P	V
	*	5300	107.32	-	-	95.31	31.4	10.61	30	156	16	A	V
		5361.84	54.35	-19.65	74	42.24	31.47	10.64	30	156	16	P	V
		5350.08	46.22	-7.78	54	34.18	31.4	10.64	30	156	16	A	V

	*	5320	109.49	-	-	97.47	31.4	10.62	30	100	65	P	H
	*	5320	101.38	-	-	89.36	31.4	10.62	30	100	65	A	H
		5350.24	57.87	-16.13	74	45.83	31.4	10.64	30	100	65	P	H
		5351.04	47.37	-6.63	54	35.32	31.41	10.64	30	100	65	A	H
802.11ac													H
VHT20													H
CH 64	*	5320	113.56	-	-	101.54	31.4	10.62	30	210	24	P	V
5320MHz	*	5320	104.92	-	-	92.9	31.4	10.62	30	210	24	A	V
		5350.4	61.59	-12.41	74	49.55	31.4	10.64	30	210	24	P	V
		5350.08	51.86	-2.14	54	39.82	31.4	10.64	30	210	24	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	55.34	-12.86	68.2	61.92	40.12	14.4	61.1	100	0	P	H
		15780	46.25	-27.75	74	53.07	37.34	17.4	61.56	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	54.19	-14.01	68.2	60.77	40.12	14.4	61.1	100	0	P	V
5260MHz		15780	46.19	-27.81	74	53.01	37.34	17.4	61.56	100	0	P	V
													V
													V
		10600	54.93	-19.07	74	61.43	40.2	14.4	61.1	164	295	P	H
		10600	41.75	-12.25	54	48.25	40.2	14.4	61.1	164	295	A	H
802.11ac		15900	45.57	-28.43	74	52.29	36.8	17.46	60.98	100	0	P	H
VHT20													H
CH 60		10600	55.56	-18.44	74	62.06	40.2	14.4	61.1	290	13	P	V
5300MHz		10600	42.32	-11.68	54	48.82	40.2	14.4	61.1	290	13	A	V
		15900	46.09	-27.91	74	52.81	36.8	17.46	60.98	100	0	P	V
													V
		10640	49.23	-24.77	74	55.78	40.16	14.39	61.1	100	0	P	H
		15960	45.5	-28.5	74	51.78	36.92	17.49	60.69	100	0	P	H
802.11ac													H
VHT20													H
CH 64		10640	49.38	-24.62	74	55.93	40.16	14.39	61.1	100	0	P	V
5320MHz		15960	45.58	-28.42	74	51.86	36.92	17.49	60.69	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5051.34	51.88	-22.12	74	39.65	31.9	10.35	30.02	100	56	P	H
		5046.24	44.79	-9.21	54	32.59	31.88	10.34	30.02	100	56	A	H
	*	5270	106.67	-	-	94.61	31.46	10.6	30	100	56	P	H
	*	5270	99.19	-	-	87.13	31.46	10.6	30	100	56	A	H
802.11ac		5453.04	52.75	-21.25	74	40.3	31.72	10.72	29.99	100	56	P	H
VHT40		5350.56	43.8	-10.2	54	31.76	31.4	10.64	30	100	56	A	H
CH 54		5046.58	53.76	-20.24	74	41.55	31.89	10.34	30.02	172	9	P	V
5270MHz		5047.6	47.96	-6.04	54	35.75	31.89	10.34	30.02	172	9	A	V
	*	5270	111.44	-	-	99.38	31.46	10.6	30	172	9	P	V
	*	5270	103.62	-	-	91.56	31.46	10.6	30	172	9	A	V
		5358.96	53.85	-20.15	74	41.76	31.45	10.64	30	172	9	P	V
		5350.56	46.68	-7.32	54	34.64	31.4	10.64	30	172	9	A	V
		5090.1	51.55	-22.45	74	39.17	31.98	10.41	30.01	100	55	P	H
		5087.72	44.79	-9.21	54	32.42	31.98	10.4	30.01	100	55	A	H
	*	5310	104.26	-	-	92.24	31.4	10.62	30	100	55	P	H
	*	5310	96.61	-	-	84.59	31.4	10.62	30	100	55	A	H
802.11ac		5354.16	56.67	-17.33	74	44.61	31.42	10.64	30	100	55	P	H
VHT40		5351.04	47.82	-6.18	54	35.77	31.41	10.64	30	100	55	A	H
CH 62		5086.7	53.79	-20.21	74	41.43	31.97	10.4	30.01	185	25	P	V
5310MHz		5087.72	47.06	-6.94	54	34.69	31.98	10.4	30.01	185	25	A	V
	*	5310	108.62	-	-	96.6	31.4	10.62	30	185	25	P	V
	*	5310	101.24	-	-	89.22	31.4	10.62	30	185	25	A	V
		5350.08	59.63	-14.37	74	47.59	31.4	10.64	30	185	25	P	V
		5350.08	52.51	-1.49	54	40.47	31.4	10.64	30	185	25	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	47.91	-20.29	68.2	54.47	40.14	14.4	61.1	100	0	P	H
		15810	46.65	-27.35	74	53.4	37.25	17.41	61.41	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	49.25	-18.95	68.2	55.81	40.14	14.4	61.1	100	0	P	V
5270MHz		15810	45.07	-28.93	74	51.82	37.25	17.41	61.41	100	0	P	V
													V
													V
		10620	49.84	-24.16	74	56.37	40.18	14.39	61.1	100	0	P	H
		15930	45.87	-28.13	74	52.37	36.86	17.48	60.84	100	0	P	H
802.11ac													H
VHT40													H
CH 62		10620	49.9	-24.1	74	56.43	40.18	14.39	61.1	100	0	P	V
5310MHz		15930	46.56	-27.44	74	53.06	36.86	17.48	60.84	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 58 5290MHz		5098.6	51.93	-22.07	74	39.52	32	10.42	30.01	100	56	P	H
		5130.9	42.9	-11.1	54	30.38	32.06	10.47	30.01	100	56	A	H
	*	5290	100.66	-	-	88.63	31.42	10.61	30	100	56	P	H
	*	5290	92.84	-	-	80.81	31.42	10.61	30	100	56	A	H
		5360.88	55.41	-18.59	74	43.3	31.47	10.64	30	100	56	P	H
		5361.6	47.91	-6.09	54	35.8	31.47	10.64	30	100	56	A	H
		5039.44	52.08	-21.92	74	39.91	31.86	10.33	30.02	214	24	P	V
		5145.86	43.77	-10.23	54	31.2	32.09	10.49	30.01	214	24	A	V
	*	5290	105.49	-	-	93.46	31.42	10.61	30	214	24	P	V
	*	5290	98.06	-	-	86.03	31.42	10.61	30	214	24	A	V
		5355.6	61.59	-12.41	74	49.52	31.43	10.64	30	214	24	P	V
		5355.6	52.36	-1.64	54	40.29	31.43	10.64	30	214	24	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.95	-21.25	68.2	53.47	40.18	14.4	61.1	100	0	P	H
		15870	45.86	-28.14	74	52.58	36.95	17.45	61.12	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	47.15	-21.05	68.2	53.67	40.18	14.4	61.1	100	0	P	V
5290MHz		15870	45.79	-28.21	74	52.51	36.95	17.45	61.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5459.76	57.69	-16.31	74	45.19	31.76	10.73	29.99	100	86	P	H
		5469.52	60.66	-7.54	68.2	48.09	31.82	10.74	29.99	100	86	P	H
		5460	43.91	-10.09	54	31.41	31.76	10.73	29.99	100	86	A	H
	*	5500	110.25	-	-	97.46	32	10.78	29.99	100	86	P	H
	*	5500	102.8	-	-	90.01	32	10.78	29.99	100	86	A	H
													H
		5456.08	64.69	-9.31	74	52.21	31.74	10.73	29.99	165	18	P	V
		5463.6	65.8	-2.4	68.2	53.27	31.78	10.74	29.99	165	18	P	V
		5457.52	45.97	-8.03	54	33.48	31.75	10.73	29.99	165	18	A	V
	*	5500	114.55	-	-	101.76	32	10.78	29.99	165	18	P	V
	*	5500	107.04	-	-	94.25	32	10.78	29.99	165	18	A	V
													V
802.11a CH 116 5580MHz		5389.36	52	-22	74	39.7	31.64	10.66	30	100	80	P	H
		5466.16	51.34	-16.86	68.2	38.79	31.8	10.74	29.99	100	80	P	H
		5459.92	40.91	-13.09	54	28.41	31.76	10.73	29.99	100	80	A	H
	*	5580	112.66	-	-	99.98	31.86	10.87	30.05	100	80	P	H
	*	5580	104.92	-	-	92.24	31.86	10.87	30.05	100	80	A	H
		5727.83	50.88	-17.32	68.2	38.16	32	10.87	30.15	100	80	P	H
		5415.28	52.49	-21.51	74	40.11	31.7	10.68	30	150	16	P	V
		5469.04	52.42	-15.78	68.2	39.86	31.81	10.74	29.99	150	16	P	V
		5459.92	41.33	-12.67	54	28.83	31.76	10.73	29.99	150	16	A	V
	*	5580	114.26	-	-	101.58	31.86	10.87	30.05	150	16	P	V
	*	5580	106.62	-	-	93.94	31.86	10.87	30.05	150	16	A	V
		5726.255	51.32	-16.88	68.2	38.6	32	10.87	30.15	150	16	P	V

802.11a CH 140 5700MHz	*	5700	110.9	-	-	98.16	32	10.87	30.13	100	96	P	H
	*	5700	103.18	-	-	90.44	32	10.87	30.13	100	96	A	H
		5726.44	61.31	-6.89	68.2	48.59	32	10.87	30.15	100	96	P	H
													H
													H
													H
	*	5700	113.24	-	-	100.5	32	10.87	30.13	166	6	P	V
	*	5700	105.52	-	-	92.78	32	10.87	30.13	166	6	A	V
		5725.4	65.55	-2.65	68.2	52.83	32	10.87	30.15	166	6	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	49.29	-24.71	74	55.42	40.6	14.37	61.1	100	0	P	H
		16500	48.44	-19.76	68.2	50.93	38.8	18.11	59.4	100	0	P	H
													H
													H
		11000	49.09	-24.91	74	55.22	40.6	14.37	61.1	100	0	P	V
		16500	48.27	-19.93	68.2	50.76	38.8	18.11	59.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.48	-25.52	74	54.76	40.22	14.54	61.04	100	0	P	H
		16740	50.29	-17.91	68.2	51.17	39.98	18.4	59.26	100	0	P	H
													H
													H
		11160	48.59	-25.41	74	54.87	40.22	14.54	61.04	100	0	P	V
		16740	49.74	-18.46	68.2	50.62	39.98	18.4	59.26	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.89	-25.11	74	54.74	40.3	14.79	60.94	100	0	P	H
		17100	50.91	-17.29	68.2	50.27	40.8	18.82	58.98	100	0	P	H
													H
													H
		11400	49.07	-24.93	74	54.92	40.3	14.79	60.94	100	0	P	V
		17100	51.14	-17.06	68.2	50.5	40.8	18.82	58.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5457.04	55.34	-18.66	74	42.86	31.74	10.73	29.99	210	297	P	H
		5465.36	59.68	-8.52	68.2	47.14	31.79	10.74	29.99	210	297	P	H
		5460	45.51	-8.49	54	33.01	31.76	10.73	29.99	210	297	A	H
	*	5500	112.43	-	-	99.64	32	10.78	29.99	210	297	P	H
802.11ac	*	5500	104.93	-	-	92.14	32	10.78	29.99	210	297	A	H
VHT20													H
CH 100		5459.92	59.34	-14.66	74	46.84	31.76	10.73	29.99	139	19	P	V
5500MHz		5468.56	66.65	-1.55	68.2	54.09	31.81	10.74	29.99	139	19	P	V
		5460	49.41	-4.59	54	36.91	31.76	10.73	29.99	139	19	A	V
	*	5500	115.07	-	-	102.28	32	10.78	29.99	139	19	P	V
	*	5500	107.54	-	-	94.75	32	10.78	29.99	139	19	A	V
													V
		5412.88	51.68	-22.32	74	39.3	31.7	10.68	30	209	298	P	H
		5465.44	51.47	-16.73	68.2	38.93	31.79	10.74	29.99	209	298	P	H
		5438.56	42.41	-11.59	54	29.99	31.7	10.71	29.99	209	298	A	H
	*	5580	112.57	-	-	99.89	31.86	10.87	30.05	209	298	P	H
802.11ac	*	5580	104.81	-	-	92.13	31.86	10.87	30.05	209	298	A	H
VHT20		5745.47	50.83	-17.37	68.2	38.14	32	10.86	30.17	209	298	P	H
CH 116		5408.56	52.15	-21.85	74	39.78	31.7	10.67	30	151	4	P	V
5580MHz		5466.16	51.74	-16.46	68.2	39.19	31.8	10.74	29.99	151	4	P	V
		5448.64	42.59	-11.41	54	30.16	31.7	10.72	29.99	151	4	A	V
	*	5580	114.72	-	-	102.04	31.86	10.87	30.05	151	4	P	V
	*	5580	107.04	-	-	94.36	31.86	10.87	30.05	151	4	A	V
		5763.11	50.65	-17.55	68.2	37.92	32.05	10.86	30.18	151	4	P	V

	*	5700	111.36	-	-	98.62	32	10.87	30.13	168	78	P	H
	*	5700	103.72	-	-	90.98	32	10.87	30.13	168	78	A	H
		5725.16	58.2	-10	68.2	45.48	32	10.87	30.15	168	78	P	H
													H
802.11ac													H
VHT20													H
CH 140	*	5700	114.12	-	-	101.38	32	10.87	30.13	150	17	P	V
5700MHz	*	5700	106.4	-	-	93.66	32	10.87	30.13	150	17	A	V
		5725.48	59.87	-8.33	68.2	47.15	32	10.87	30.15	150	17	P	V
													V
													V
													V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	48.85	-25.15	74	55.04	40.4	14.47	61.06	100	0	P	H
		16650	48.11	-20.09	68.2	49.83	39.3	18.29	59.31	100	0	P	H
802.11ac													H
VHT20													H
CH 100		11100	48.44	-25.56	74	54.63	40.4	14.47	61.06	100	0	P	V
5500MHz		16650	47.31	-20.89	68.2	49.03	39.3	18.29	59.31	100	0	P	V
													V
													V
		11160	48.61	-25.39	74	54.89	40.22	14.54	61.04	100	0	P	H
		16740	50.11	-18.09	68.2	50.99	39.98	18.4	59.26	100	0	P	H
802.11ac													H
VHT20													H
CH 116		11160	48.71	-25.29	74	54.99	40.22	14.54	61.04	100	0	P	V
5580MHz		16740	49.56	-18.64	68.2	50.44	39.98	18.4	59.26	100	0	P	V
													V
													V
		11400	49.25	-24.75	74	55.1	40.3	14.79	60.94	100	0	P	H
		17100	51.07	-17.13	68.2	50.43	40.8	18.82	58.98	100	0	P	H
802.11ac													H
VHT20													H
CH 140		11400	49.15	-24.85	74	55	40.3	14.79	60.94	100	0	P	V
5700MHz		17100	52.04	-16.16	68.2	51.4	40.8	18.82	58.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5458.81	53.45	-20.55	74	40.96	31.75	10.73	29.99	265	298	P	H
		5469.88	61.81	-6.39	68.2	49.24	31.82	10.74	29.99	265	298	P	H
		5459.89	47.06	-6.94	54	34.56	31.76	10.73	29.99	265	298	A	H
	*	5510	107.69	-	-	94.94	31.96	10.79	30	265	298	P	H
802.11ac	*	5510	99.91	-	-	87.16	31.96	10.79	30	265	298	A	H
VHT40		5732.555	55.38	-12.82	68.2	42.67	32	10.87	30.16	265	298	P	H
CH 102		5459.89	61.02	-12.98	74	48.52	31.76	10.73	29.99	150	17	P	V
5510MHz		5466.37	64.83	-3.37	68.2	52.28	31.8	10.74	29.99	150	17	P	V
		5459.89	52.55	-1.45	54	40.05	31.76	10.73	29.99	150	17	A	V
	*	5510	109.44	-	-	96.69	31.96	10.79	30	150	17	P	V
	*	5510	102.14	-	-	89.39	31.96	10.79	30	150	17	A	V
		5732.555	55.04	-13.16	68.2	42.33	32	10.87	30.16	150	17	P	V
		5453.95	52.29	-21.71	74	39.84	31.72	10.72	29.99	263	299	P	H
		5467.18	53.57	-14.63	68.2	41.02	31.8	10.74	29.99	263	299	P	H
		5459.89	44.56	-9.44	54	32.06	31.76	10.73	29.99	263	299	A	H
	*	5550	109.53	-	-	96.92	31.8	10.84	30.03	263	299	P	H
802.11ac	*	5550	102.13	-	-	89.52	31.8	10.84	30.03	263	299	A	H
VHT40		5751.14	51.06	-17.14	68.2	38.37	32	10.86	30.17	263	299	P	H
CH 110		5452.33	54.03	-19.97	74	41.59	31.71	10.72	29.99	150	15	P	V
5550MHz		5467.99	55.37	-12.83	68.2	42.81	31.81	10.74	29.99	150	15	P	V
		5455.3	46.34	-7.66	54	33.87	31.73	10.73	29.99	150	15	A	V
	*	5550	110.97	-	-	98.36	31.8	10.84	30.03	150	15	P	V
	*	5550	103.74	-	-	91.13	31.8	10.84	30.03	150	15	A	V
		5763.11	51.83	-16.37	68.2	39.1	32.05	10.86	30.18	150	15	P	V

		5447.31	54.57	-19.43	74	42.14	31.7	10.72	29.99	265	298	P	H
		5460.63	50.74	-17.46	68.2	38.24	31.76	10.73	29.99	265	298	P	H
		5447.68	48.28	-5.72	54	35.85	31.7	10.72	29.99	265	298	A	H
	*	5670	109.39	-	-	96.74	31.88	10.88	30.11	265	298	P	H
802.11ac	*	5670	101.7	-	-	89.05	31.88	10.88	30.11	265	298	A	H
VHT40		5726.15	56.8	-11.4	68.2	44.08	32	10.87	30.15	265	298	P	H
CH 134		5446.2	56.43	-17.57	74	44	31.7	10.72	29.99	163	7	P	V
5670MHz		5468.03	53.18	-15.02	68.2	40.62	31.81	10.74	29.99	163	7	P	V
		5446.94	49.32	-4.68	54	36.89	31.7	10.72	29.99	163	7	A	V
	*	5670	110.65	-	-	98	31.88	10.88	30.11	163	7	P	V
	*	5670	103.31	-	-	90.66	31.88	10.88	30.11	163	7	A	V
		5725	57.7	-10.5	68.2	44.98	32	10.87	30.15	163	7	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	49.1	-24.9	74	55.24	40.56	14.39	61.09	100	0	P	H
		16530	49.03	-19.17	68.2	51.44	38.83	18.14	59.38	100	0	P	H
802.11ac													H
VHT40													H
CH 102		11020	49.07	-24.93	74	55.21	40.56	14.39	61.09	100	0	P	V
5510MHz		16530	48.22	-19.98	68.2	50.63	38.83	18.14	59.38	100	0	P	V
													V
													V
		11100	47.89	-26.11	74	54.08	40.4	14.47	61.06	100	0	P	H
		16650	48.04	-20.16	68.2	49.76	39.3	18.29	59.31	100	0	P	H
802.11ac													H
VHT40													H
CH 110		11100	48.61	-25.39	74	54.8	40.4	14.47	61.06	100	0	P	V
5550MHz		16650	49.21	-18.99	68.2	50.93	39.3	18.29	59.31	100	0	P	V
													V
													V
		11340	47.95	-26.05	74	54	40.18	14.73	60.96	100	0	P	H
		17010	51.04	-17.16	68.2	50.78	40.62	18.73	59.09	100	0	P	H
802.11ac													H
VHT40													H
CH 134		11340	47.75	-26.25	74	53.8	40.18	14.73	60.96	100	0	P	V
5670MHz		17010	50.65	-17.55	68.2	50.39	40.62	18.73	59.09	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5458.81	58.7	-15.3	74	46.21	31.75	10.73	29.99	100	74	P	H
		5466.1	60.71	-7.49	68.2	48.16	31.8	10.74	29.99	100	74	P	H
		5457.73	50.29	-3.71	54	37.8	31.75	10.73	29.99	100	74	A	H
	*	5530	102.83	-	-	90.15	31.88	10.81	30.01	100	74	P	H
802.11ac	*	5530	95.47	-	-	82.79	31.88	10.81	30.01	100	74	A	H
VHT80		5745.785	52.64	-15.56	68.2	39.95	32	10.86	30.17	100	74	P	H
CH 106		5443.69	60.22	-13.78	74	47.8	31.7	10.71	29.99	157	17	P	V
5530MHz		5463.4	63.14	-5.06	68.2	50.61	31.78	10.74	29.99	157	17	P	V
		5459.89	52.1	-1.9	54	39.6	31.76	10.73	29.99	157	17	A	V
	*	5530	105.45	-	-	92.77	31.88	10.81	30.01	157	17	P	V
	*	5530	97.91	-	-	85.23	31.88	10.81	30.01	157	17	A	V
		5736.02	51.77	-16.43	68.2	39.06	32	10.87	30.16	157	17	P	V
		5426.14	53.55	-20.45	74	41.15	31.7	10.69	29.99	100	72	P	H
		5468.53	52.4	-15.8	68.2	39.84	31.81	10.74	29.99	100	72	P	H
		5459.62	43.88	-10.12	54	31.38	31.76	10.73	29.99	100	72	A	H
	*	5610	106.49	-	-	93.79	31.88	10.89	30.07	100	72	P	H
802.11ac	*	5610	98.65	-	-	85.95	31.88	10.89	30.07	100	72	A	H
VHT80		5741.06	53.19	-15.01	68.2	40.49	32	10.86	30.16	100	72	P	H
CH 122		5427.22	53.27	-20.73	74	40.87	31.7	10.69	29.99	157	12	P	V
5610MHz		5466.91	54	-14.2	68.2	41.45	31.8	10.74	29.99	157	12	P	V
		5458.81	45.14	-8.86	54	32.65	31.75	10.73	29.99	157	12	A	V
	*	5610	108.54	-	-	95.84	31.88	10.89	30.07	157	12	P	V
	*	5610	100.81	-	-	88.11	31.88	10.89	30.07	157	12	A	V
		5729.72	56.49	-11.71	68.2	43.78	32	10.87	30.16	157	12	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	49.53	-24.47	74	55.7	40.48	14.43	61.08	100	0	P	H
		16590	48.86	-19.34	68.2	51.1	38.89	18.22	59.35	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	49.23	-24.77	74	55.4	40.48	14.43	61.08	100	0	P	V
5530MHz		16590	48.44	-19.76	68.2	50.68	38.89	18.22	59.35	100	0	P	V
													V
													V
		11220	47.97	-26.03	74	54.28	40.1	14.6	61.01	100	0	P	H
		16830	50.07	-18.13	68.2	50.43	40.34	18.5	59.2	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	47.15	-26.85	74	53.46	40.1	14.6	61.01	100	0	P	V
5610MHz		16830	49.84	-18.36	68.2	50.2	40.34	18.5	59.2	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5395.24	51.14	-22.86	74	38.81	31.67	10.66	30	100	102	P	H
		5466.61	50.53	-17.67	68.2	37.98	31.8	10.74	29.99	100	102	P	H
		5459.98	40.78	-13.22	54	28.28	31.76	10.73	29.99	100	102	A	H
	*	5720	110.5	-	-	97.78	32	10.87	30.15	100	102	P	H
	*	5720	102.95	-	-	90.23	32	10.87	30.15	100	102	A	H
		5901.25	52.44	-15.76	68.2	39.22	32.4	11.1	30.28	100	102	P	H
		5451.01	51.74	-22.26	74	39.3	31.71	10.72	29.99	169	7	P	V
		5468.95	50.94	-17.26	68.2	38.38	31.81	10.74	29.99	169	7	P	V
		5452.96	40.96	-13.04	54	28.51	31.72	10.72	29.99	169	7	A	V
	*	5720	113.41	-	-	100.69	32	10.87	30.15	169	7	P	V
	*	5720	105.67	-	-	92.95	32	10.87	30.15	169	7	A	V
		5911	53.37	-14.83	68.2	40.11	32.42	11.13	30.29	169	7	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	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 144 5720MHz		11440	49.29	-24.71	74	54.99	40.38	14.84	60.92	100	0	P	H
		17160	50.5	-17.7	68.2	49.72	40.8	18.89	58.91	100	0	P	H
													H
													H
		11440	48.88	-25.12	74	54.58	40.38	14.84	60.92	100	0	P	V
		17160	50.6	-17.6	68.2	49.82	40.8	18.89	58.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
802.11ac VHT20 CH 144 5720MHz		5409.67	51.42	-22.58	74	39.05	31.7	10.67	30	262	298	P	H
		5463.1	51.86	-16.34	68.2	39.33	31.78	10.74	29.99	262	298	P	H
		5431.12	42.51	-11.49	54	30.1	31.7	10.7	29.99	262	298	A	H
	*	5720	113.23	-	-	100.51	32	10.87	30.15	262	298	P	H
	*	5720	105.65	-	-	92.93	32	10.87	30.15	262	298	A	H
		5899.75	52.43	-15.77	68.2	39.21	32.4	11.1	30.28	262	298	P	H
		5390.17	51.67	-22.33	74	39.37	31.64	10.66	30	162	26	P	V
		5462.32	50.82	-17.38	68.2	38.31	31.77	10.73	29.99	162	26	P	V
		5409.28	42.5	-11.5	54	30.13	31.7	10.67	30	162	26	A	V
	*	5720	114.31	-	-	101.59	32	10.87	30.15	162	26	P	V
	*	5720	106.87	-	-	94.15	32	10.87	30.15	162	26	A	V
		5906.5	52.44	-15.76	68.2	39.19	32.41	11.12	30.28	162	26	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	49.01	-24.99	74	54.71	40.38	14.84	60.92	100	0	P	H
		17160	50.89	-17.31	68.2	50.11	40.8	18.89	58.91	100	0	P	H
802.11ac													H
VHT20													H
CH 144		11440	49.85	-24.15	74	55.55	40.38	14.84	60.92	100	0	P	V
5720MHz		17160	51.49	-16.71	68.2	50.71	40.8	18.89	58.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
		5358.19	52.06	-21.94	74	39.97	31.45	10.64	30	262	299	P	H
		5468.56	51.47	-16.73	68.2	38.91	31.81	10.74	29.99	262	299	P	H
		5417.47	42.9	-11.1	54	30.51	31.7	10.68	29.99	262	299	A	H
	*	5720	109.35	-	-	96.63	32	10.87	30.15	262	299	P	H
802.11ac	*	5720	101.64	-	-	88.92	32	10.87	30.15	262	299	A	H
VHT40		5942	54.46	-13.74	68.2	41.08	32.48	11.21	30.31	262	299	P	H
CH 142		5458.03	51.94	-22.06	74	39.45	31.75	10.73	29.99	168	8	P	V
5710MHz		5470	53.1	-15.1	68.2	40.53	31.82	10.74	29.99	168	8	P	V
		5414.74	43.33	-10.67	54	30.95	31.7	10.68	30	168	8	A	V
	*	5720	110.7	-	-	97.98	32	10.87	30.15	168	8	P	V
	*	5720	103	-	-	90.28	32	10.87	30.15	168	8	A	V
		5942.75	54.22	-13.98	68.2	40.83	32.49	11.21	30.31	168	8	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	47.38	-26.62	74	53.15	40.34	14.82	60.93	100	0	P	H
		17130	50.35	-17.85	68.2	49.64	40.8	18.85	58.94	100	0	P	H
802.11ac													H
VHT40													H
CH 142		11420	47.65	-26.35	74	53.42	40.34	14.82	60.93	100	0	P	V
5710MHz		17130	50.58	-17.62	68.2	49.87	40.8	18.85	58.94	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	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)
802.11ac VHT80 CH 138 5690MHz		5382.37	53.05	-20.95	74	40.81	31.59	10.65	30	100	101	P	H
		5467.39	50.43	-17.77	68.2	37.88	31.8	10.74	29.99	100	101	P	H
		5457.25	43.04	-10.96	54	30.56	31.74	10.73	29.99	100	101	A	H
	*	5690	105.65	-	-	92.94	31.96	10.88	30.13	100	101	P	H
	*	5690	97.49	-	-	84.78	31.96	10.88	30.13	100	101	A	H
		5850.7	52.74	-15.46	68.2	39.8	32.2	10.98	30.24	100	101	P	H
		5376.52	52.02	-21.98	74	39.81	31.56	10.65	30	161	7	P	V
		5465.05	50.94	-17.26	68.2	38.4	31.79	10.74	29.99	161	7	P	V
		5434.24	43.39	-10.61	54	30.98	31.7	10.7	29.99	161	7	A	V
	*	5690	107.72	-	-	95.01	31.96	10.88	30.13	161	7	P	V
	*	5690	100.05	-	-	87.34	31.96	10.88	30.13	161	7	A	V
		5853.7	53.01	-15.19	68.2	40.05	32.21	10.99	30.24	161	7	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.24	-26.76	74	53.16	40.26	14.77	60.95	100	0	P	H
		17070	50.79	-17.41	68.2	50.28	40.74	18.79	59.02	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.91	-26.09	74	53.83	40.26	14.77	60.95	100	0	P	V
5690MHz		17070	50.89	-17.31	68.2	50.38	40.74	18.79	59.02	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11ac VHT40 (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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 SHF		23610	41.81	-32.19	74	42.24	39.85	13.02	53.3	150	0	P	H
		39780	49.85	-24.15	74	39.53	45.01	19.96	54.65	150	0	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		23522	41.65	-26.55	68.2	42.19	39.73	13.03	53.3	150	0	P	V
		39890	49.89	-24.11	74	39.14	45.06	20.17	54.48	150	0	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT40 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		98.87	32.87	-10.63	43.5	47.72	16.07	1.35	32.27	100	0	P	H
		129.91	29.93	-13.57	43.5	43.19	17.64	1.57	32.47	-	-	P	H
		190.05	30.57	-12.93	43.5	45.99	15.01	1.95	32.38	-	-	P	H
		217.21	34.42	-11.58	46	49.74	14.97	2.1	32.39	-	-	P	H
		478.14	33.92	-12.08	46	39.99	23.41	3.02	32.5	-	-	P	H
		502.39	33.85	-12.15	46	39.29	23.84	3.14	32.42	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT40		64.92	29.67	-10.33	40	48.19	12.24	1.05	31.81	-	-	P	V
LF		98.87	31.97	-11.53	43.5	46.82	16.07	1.35	32.27	-	-	P	V
		179.38	27.84	-15.66	43.5	43.08	15.25	1.89	32.38	-	-	P	V
		399.57	28.5	-17.5	46	36.08	21.82	2.74	32.14	-	-	P	V
		482.02	35.04	-10.96	46	41.03	23.46	3.04	32.49	-	-	P	V
		733.25	39.55	-6.45	46	40.72	27.49	3.78	32.44	100	0	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against 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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. 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

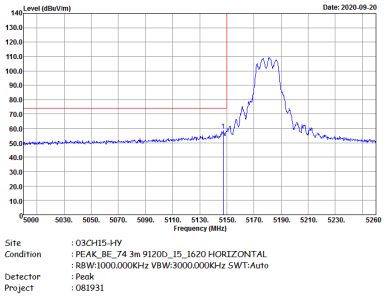
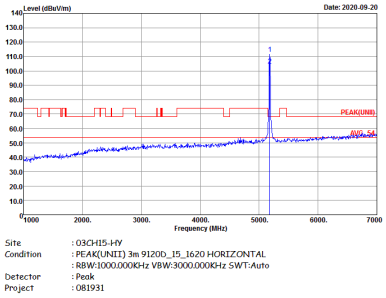
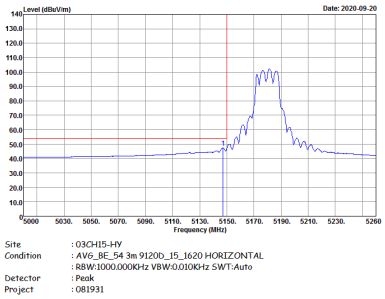
Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	**Temperature :**	22.1~23.2°C
		Relative Humidity :	45~59%

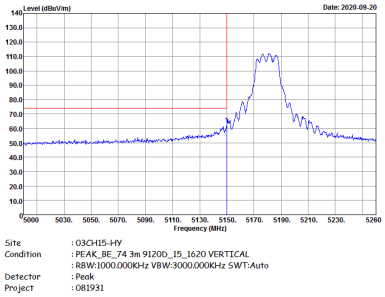
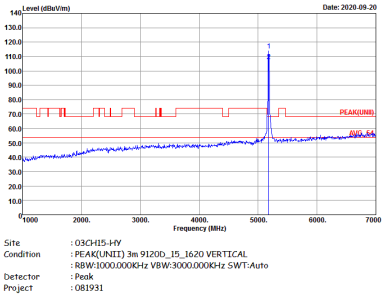
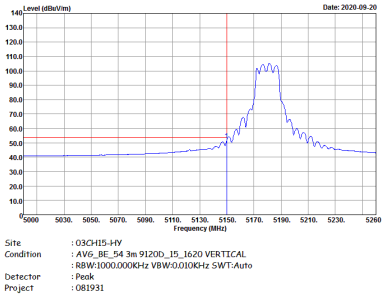
Note symbol

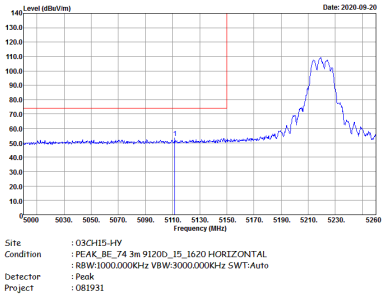
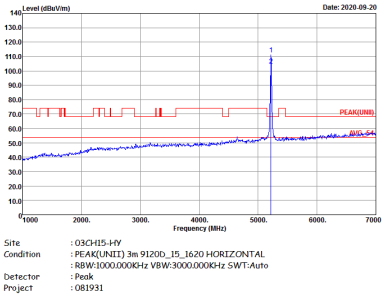
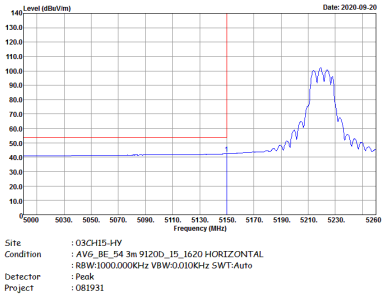
-L	**Low channel location**
-R	**High channel location**

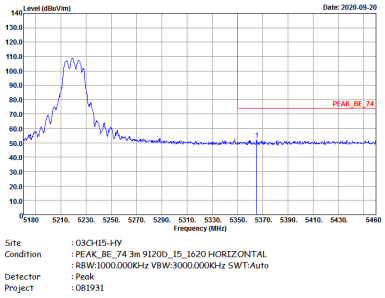
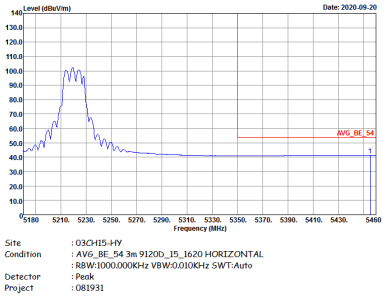
Band 1 - 5150~5250MHz

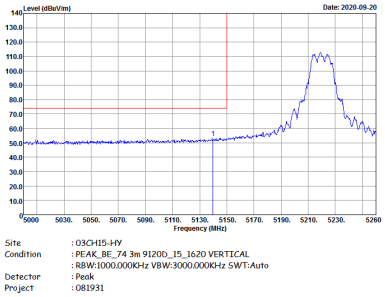
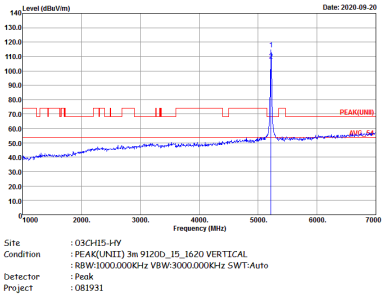
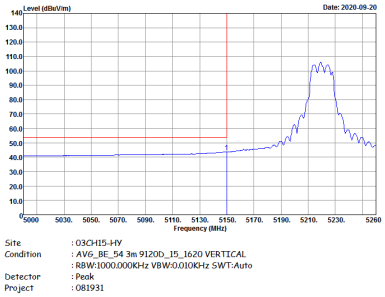
WIFI 802.11a (Band Edge @ 3m)

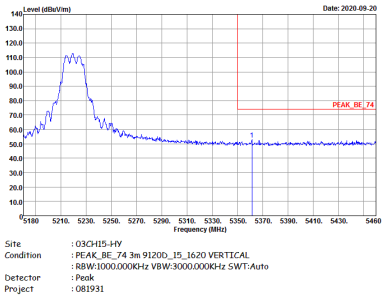
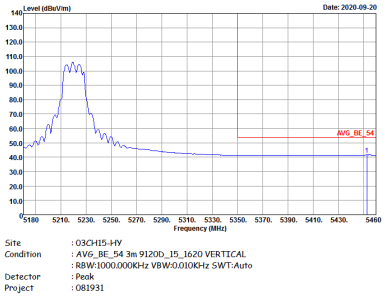
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

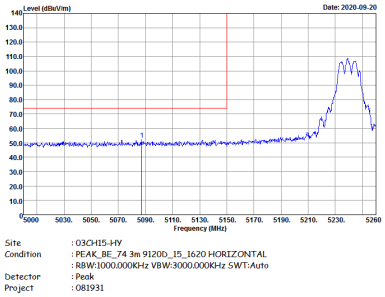
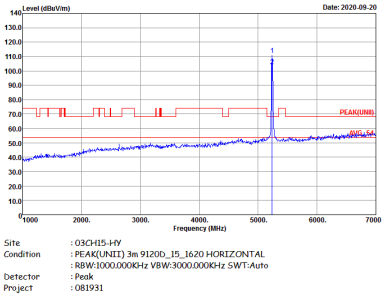
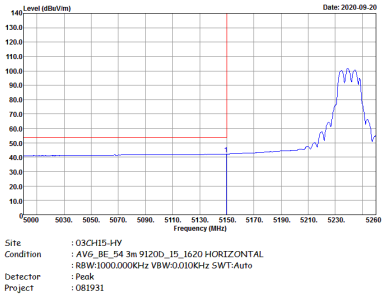
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

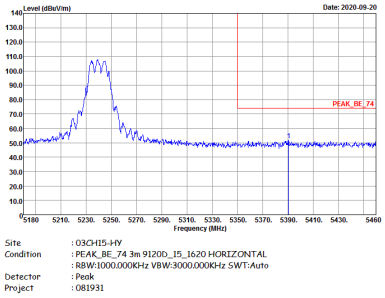
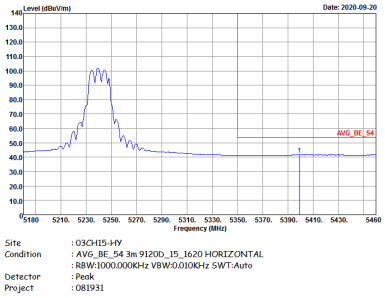
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

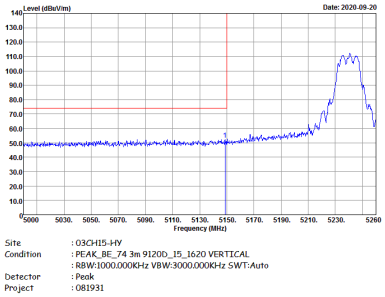
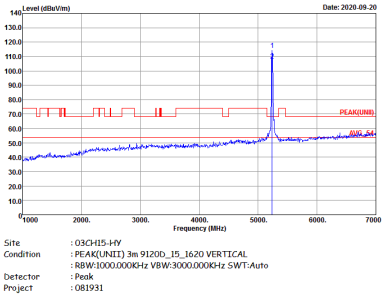
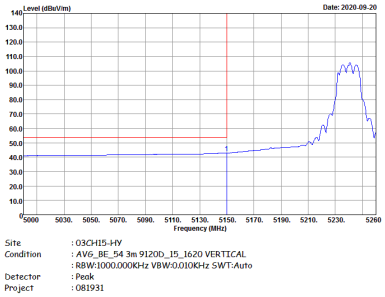
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

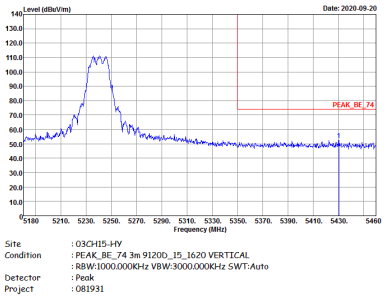
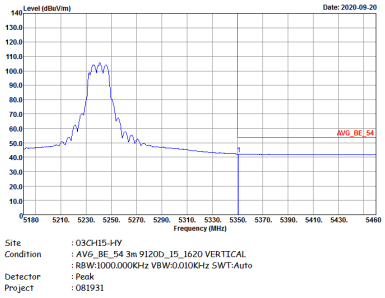
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

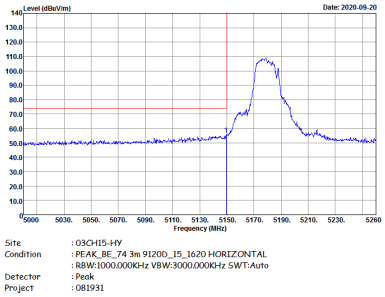
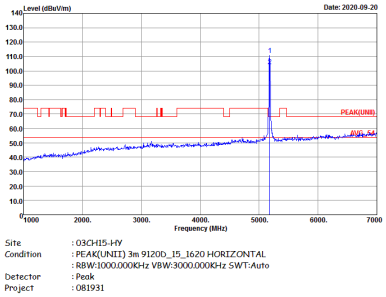
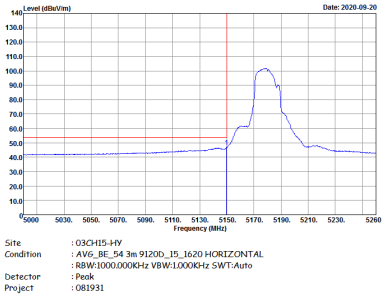
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

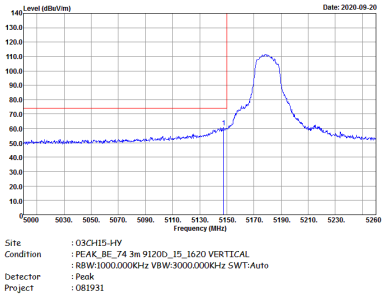
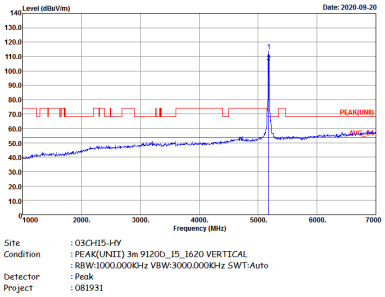
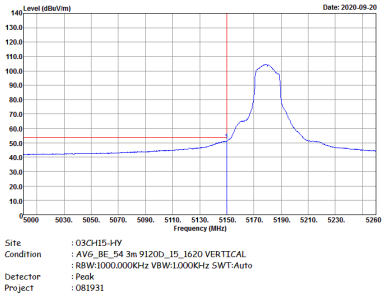
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

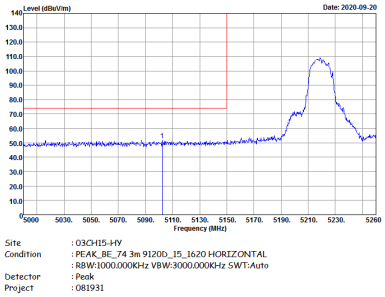
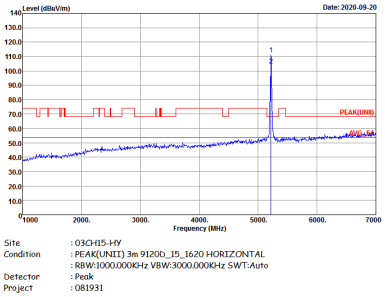
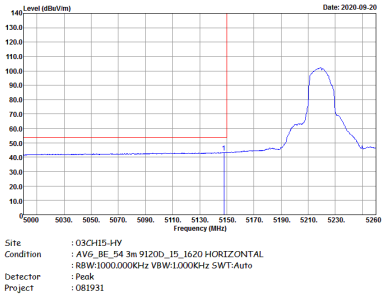
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

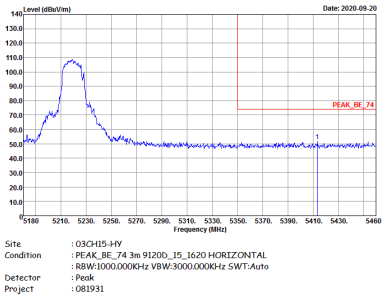
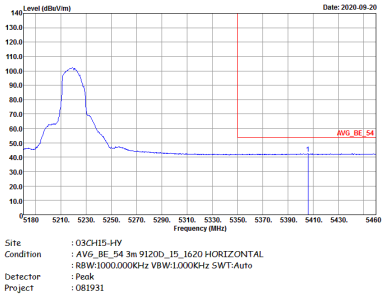
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

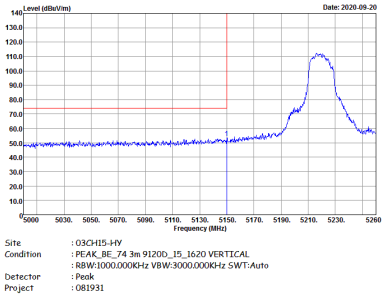
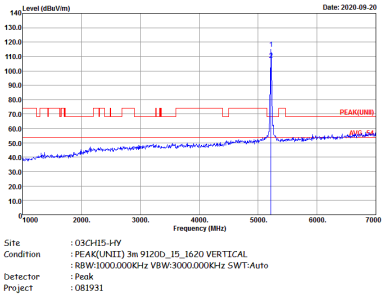
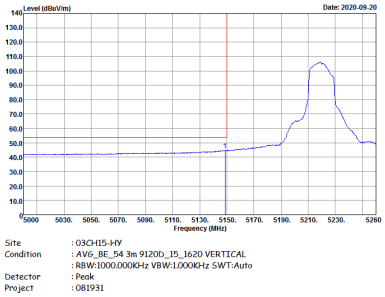
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

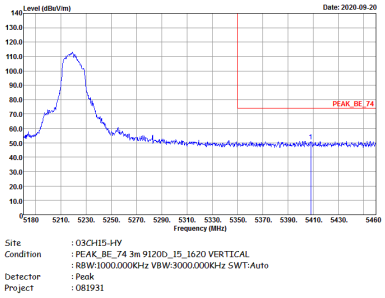
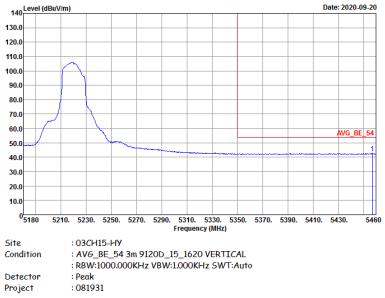
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

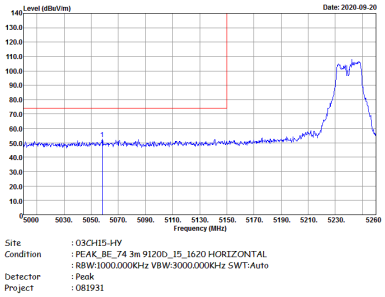
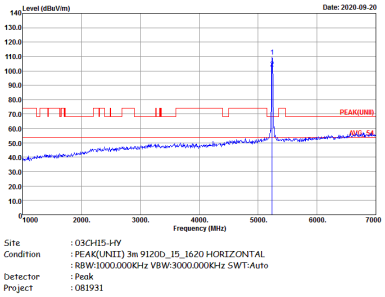
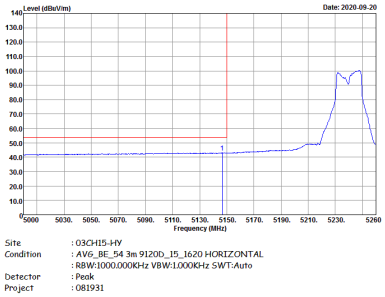
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

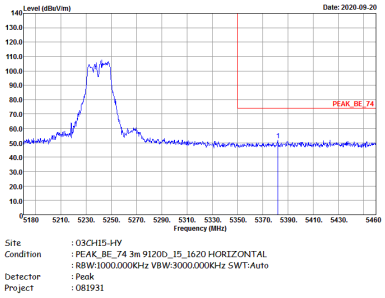
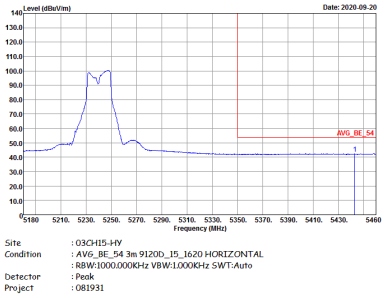
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

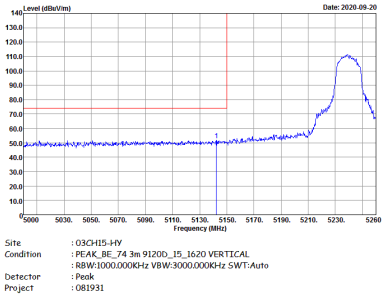
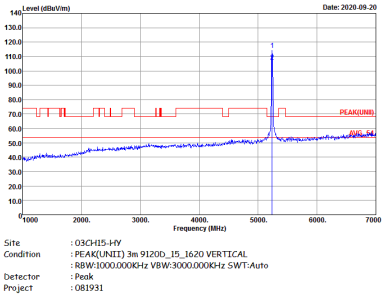
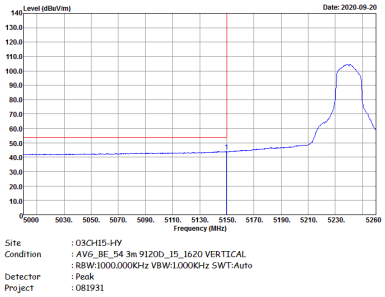
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

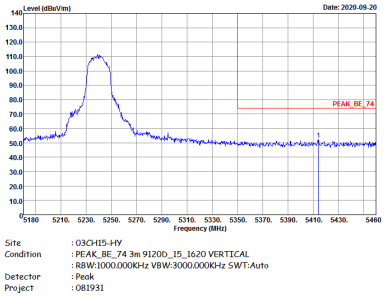
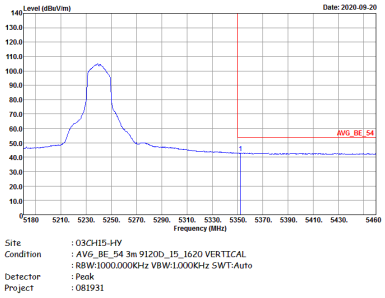
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

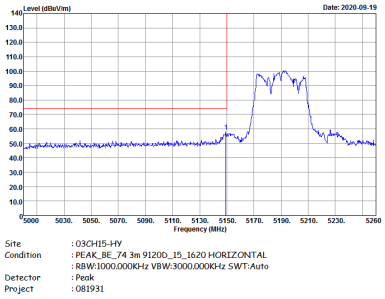
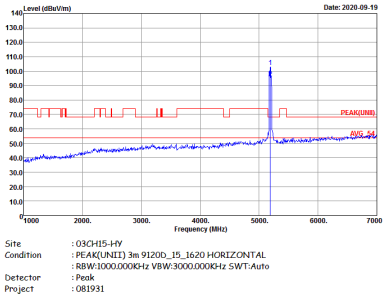
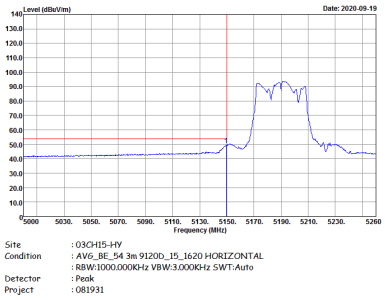
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

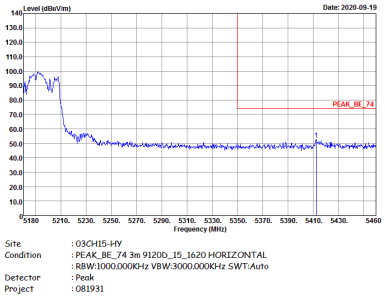
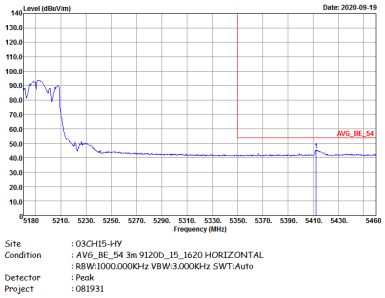
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

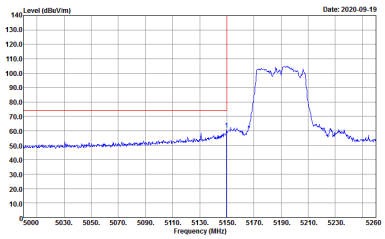
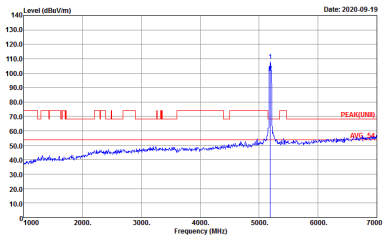
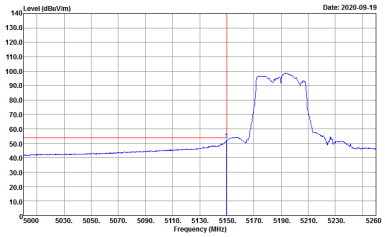
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

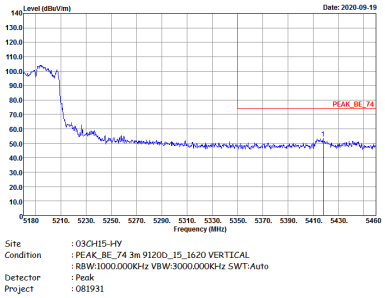
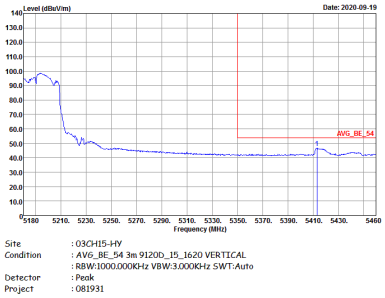
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

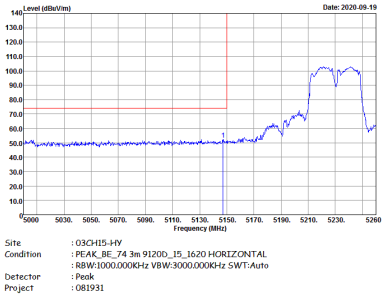
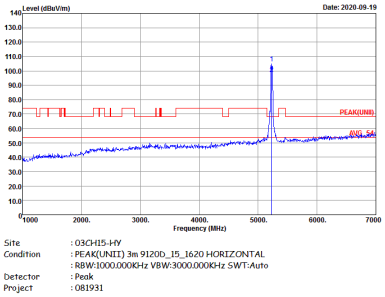
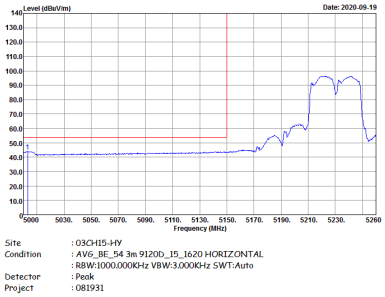
Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

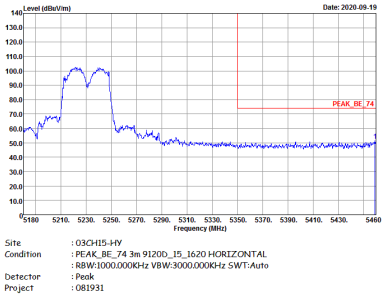
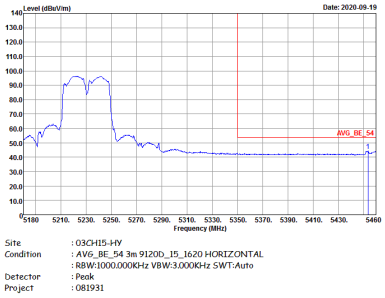
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

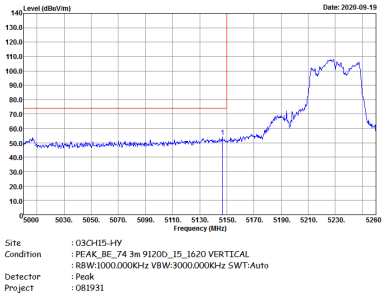
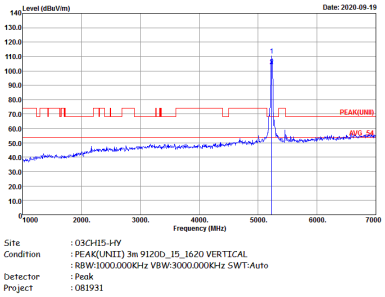
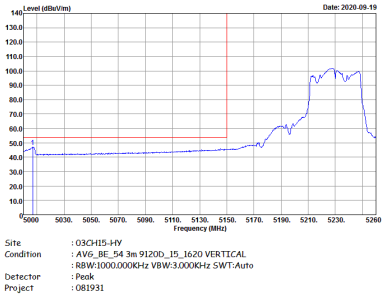
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

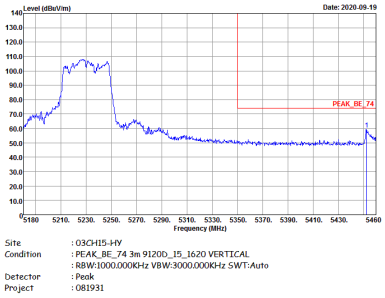
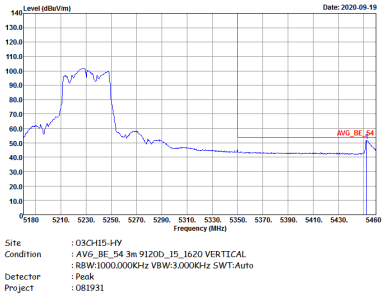
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 081931	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 081931
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 081931	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

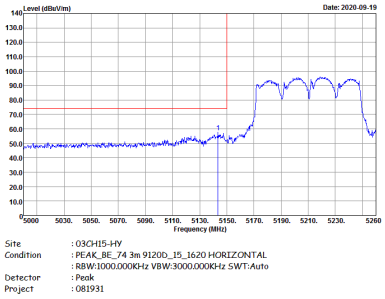
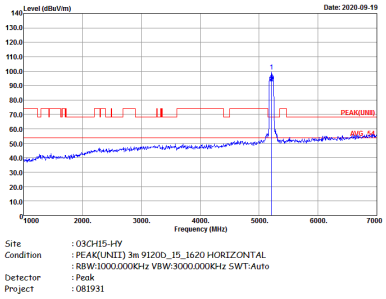
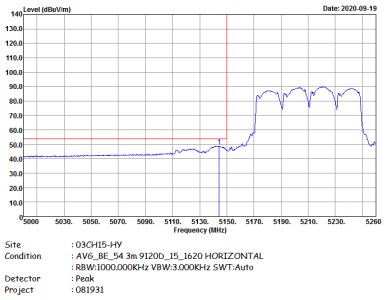
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

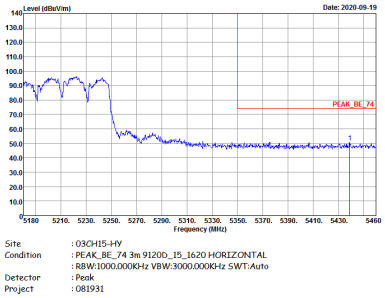
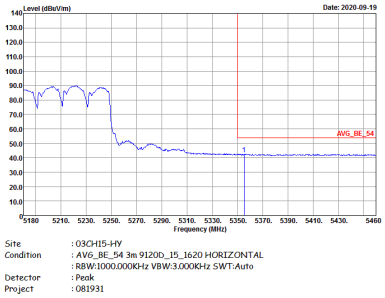
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

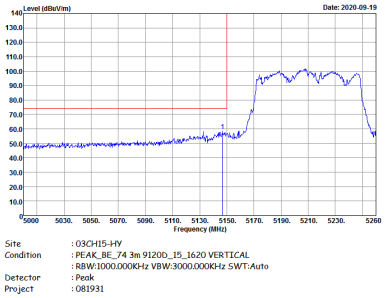
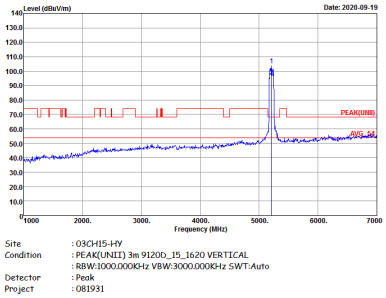
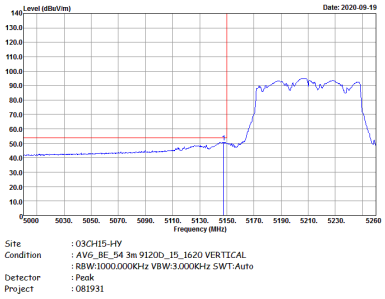
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

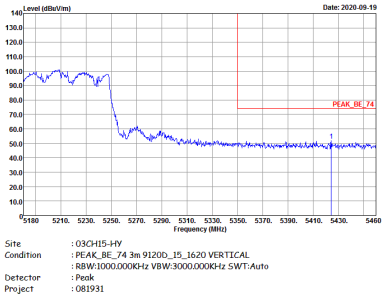
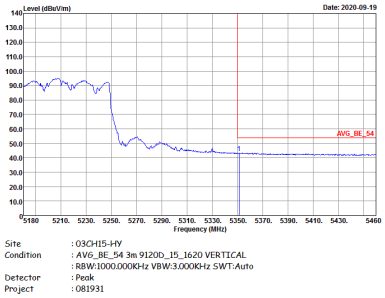
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

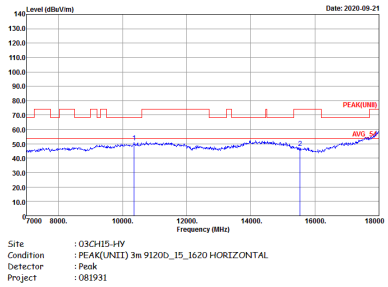
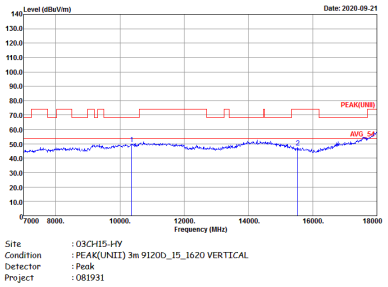
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

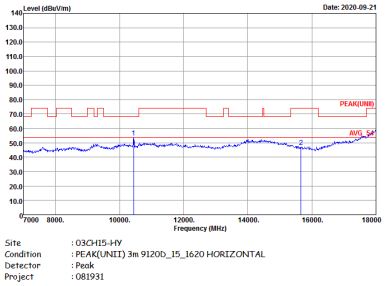
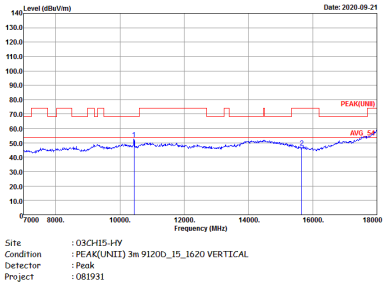
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

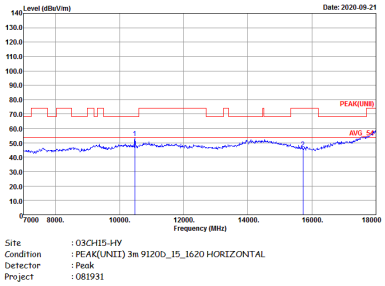
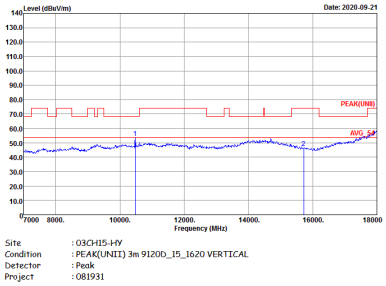
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

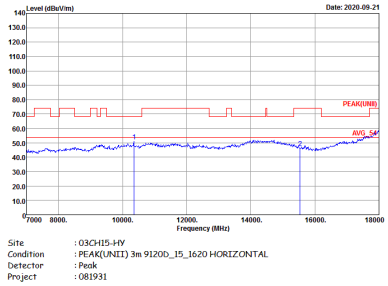
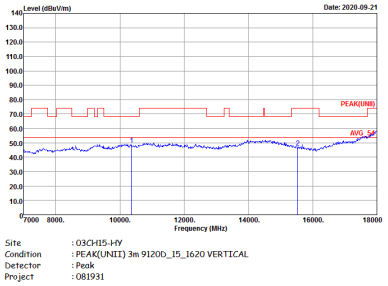
WIFI 802.11a (Harmonic @ 3m)

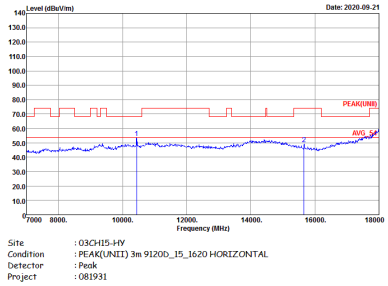
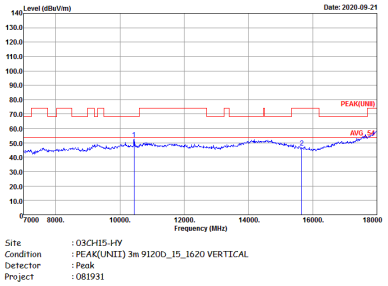
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

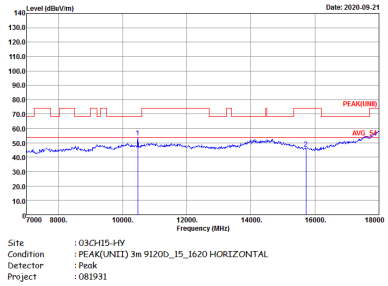
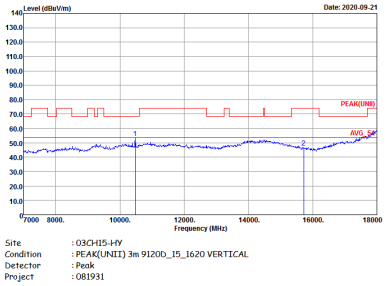
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

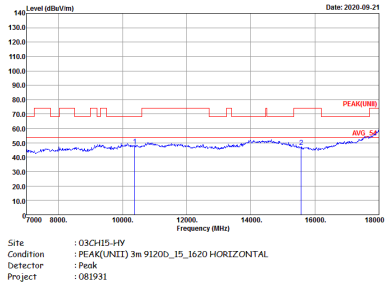
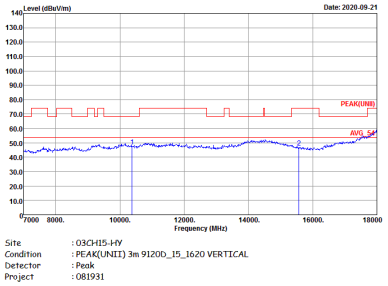
Band 1 5150~5250MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

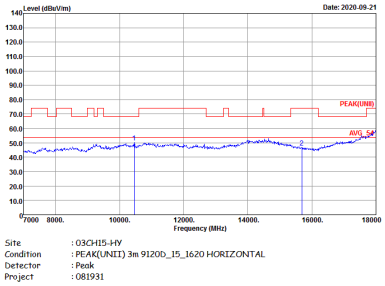
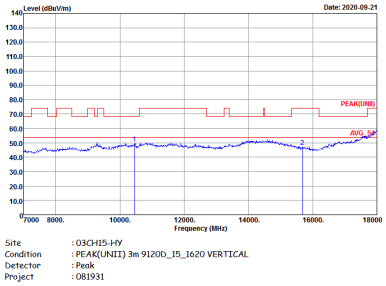
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

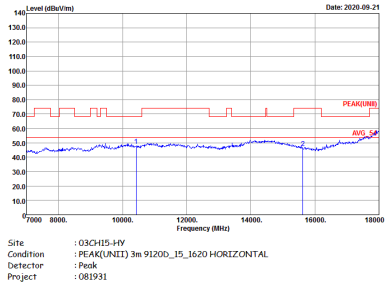
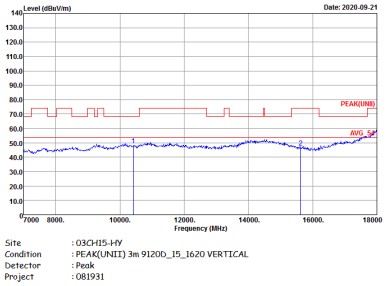
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

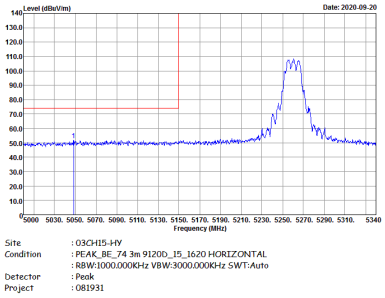
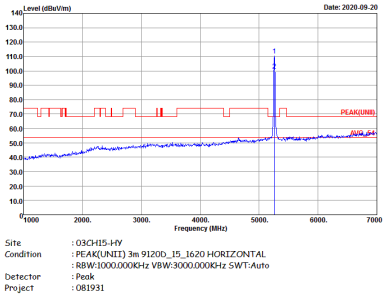
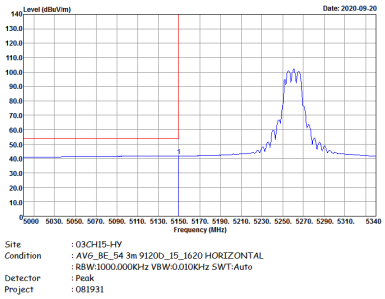
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

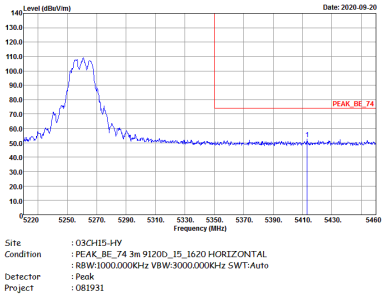
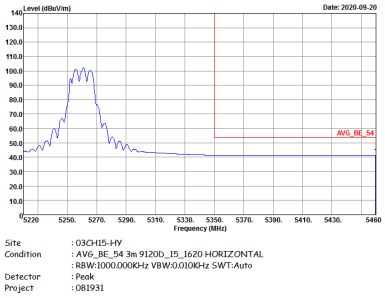
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

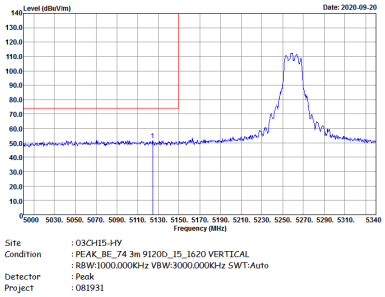
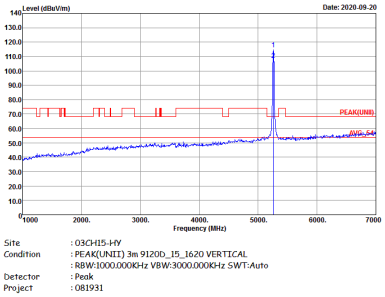
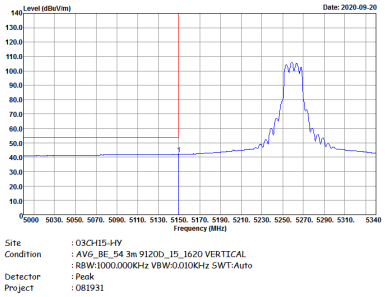
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

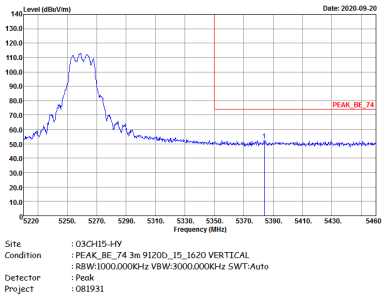
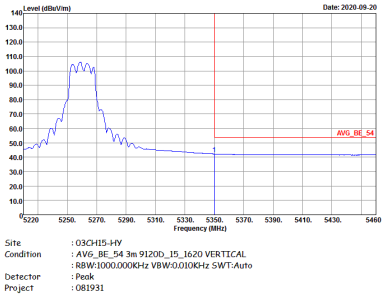
Band 2 - 5250~5350MHz

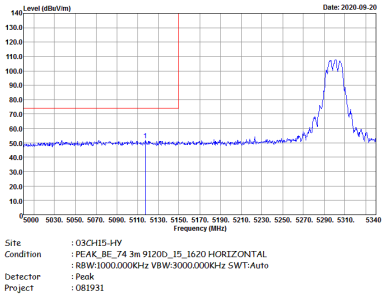
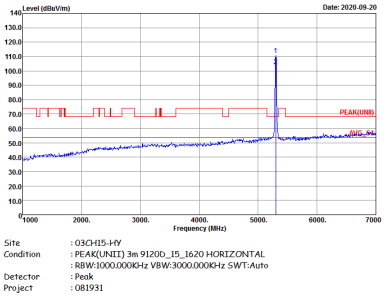
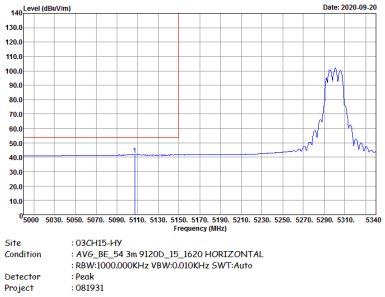
WIFI 802.11a (Band Edge @ 3m)

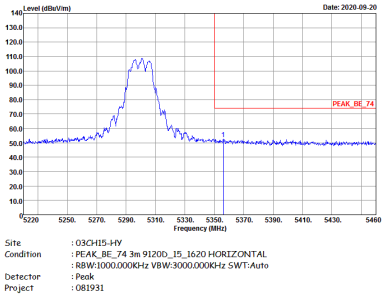
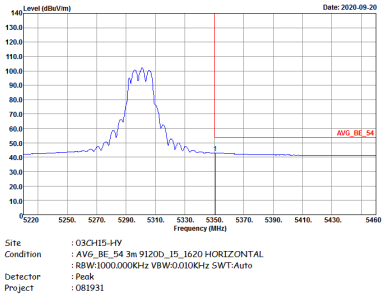
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

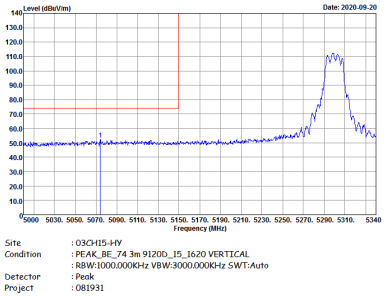
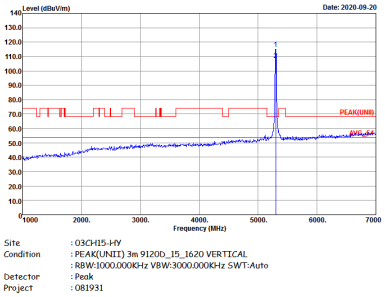
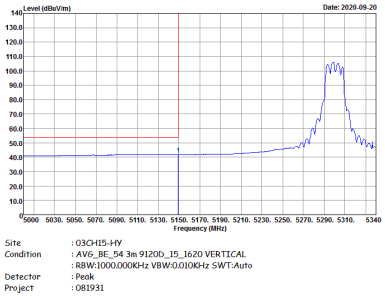
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

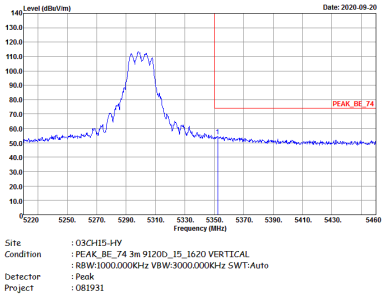
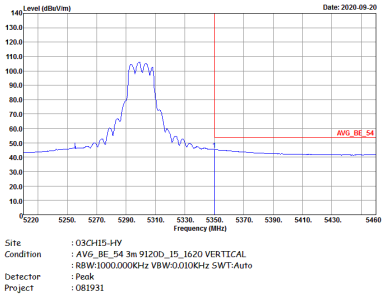
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

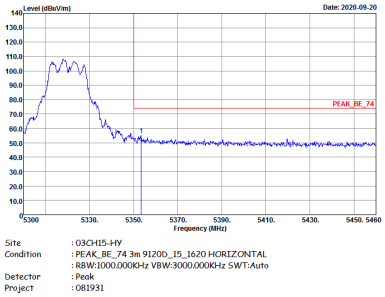
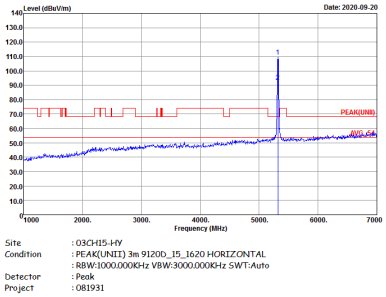
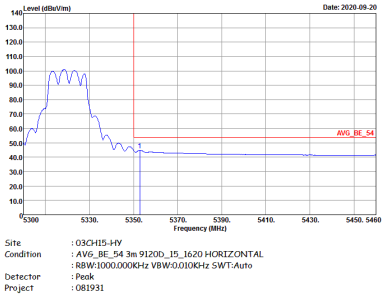
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

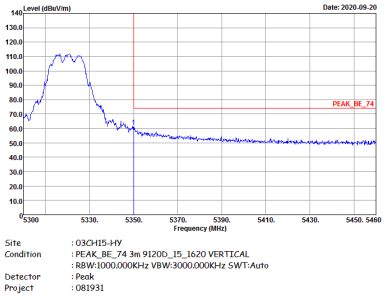
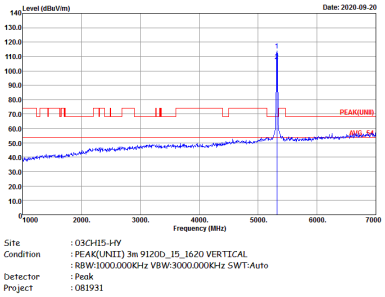
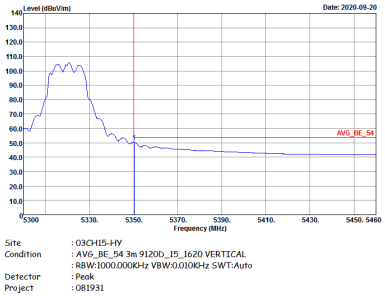
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

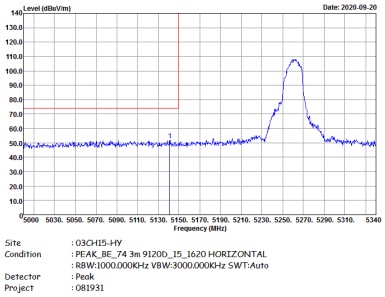
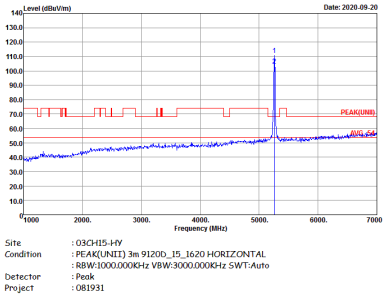
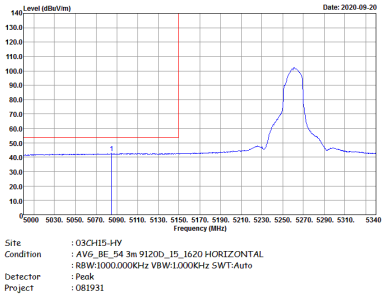
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

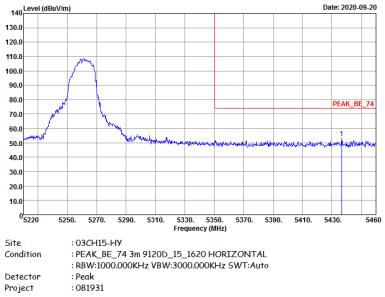
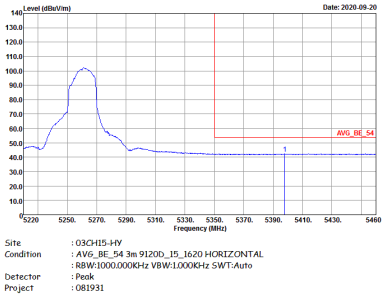
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

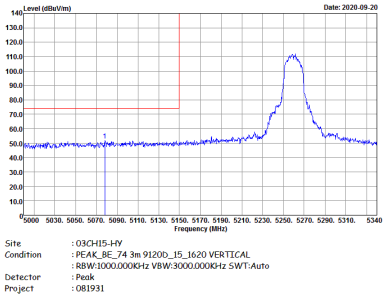
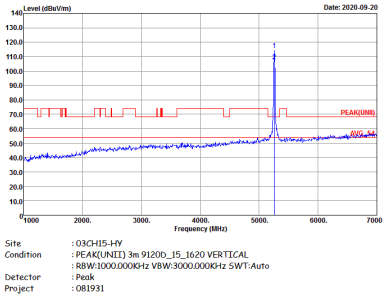
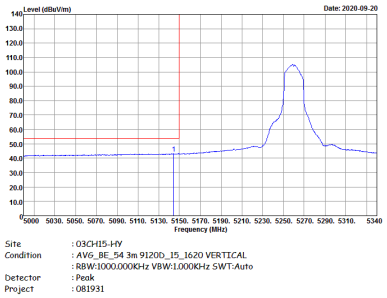
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

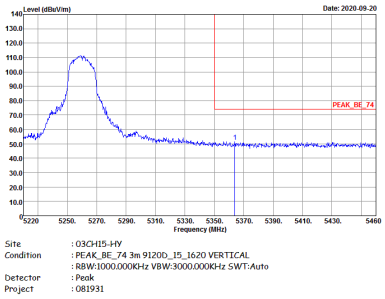
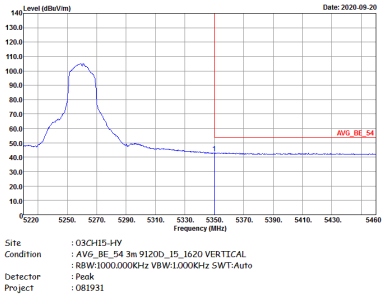
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

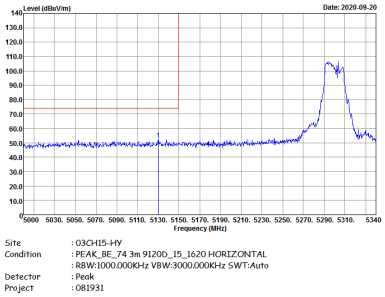
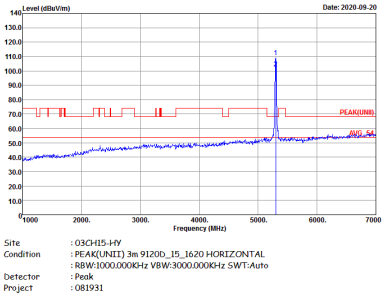
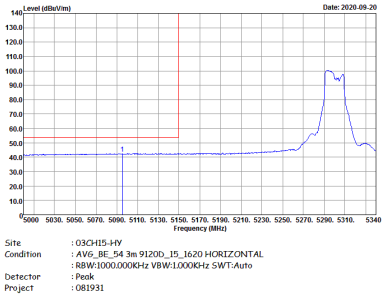
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

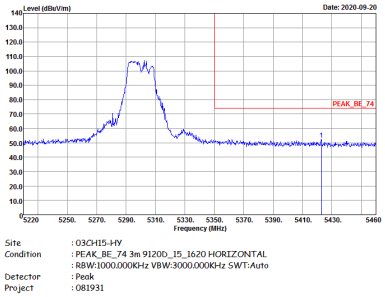
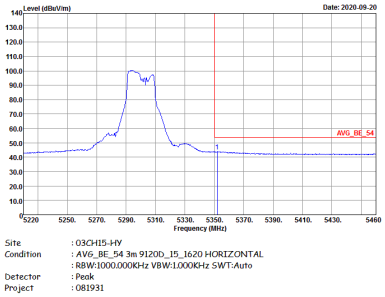
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

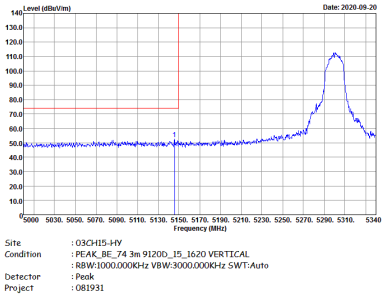
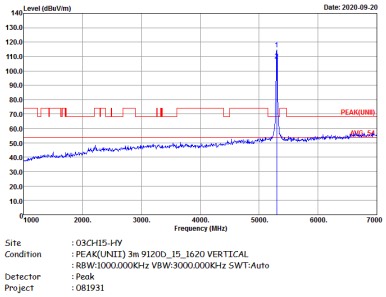
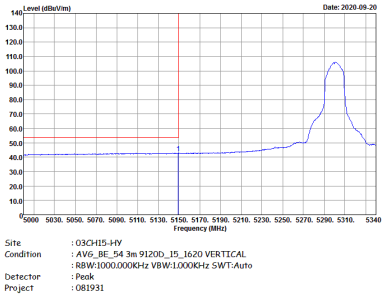
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

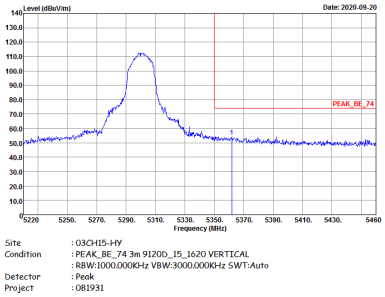
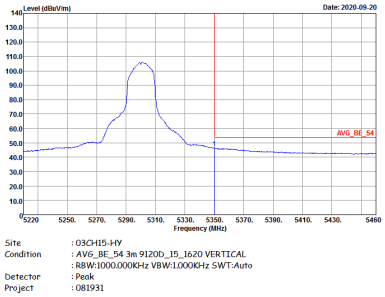
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

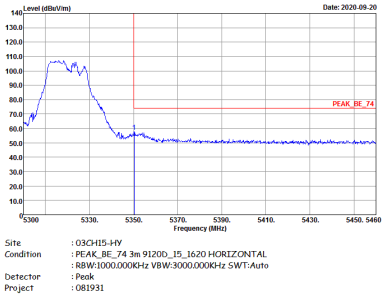
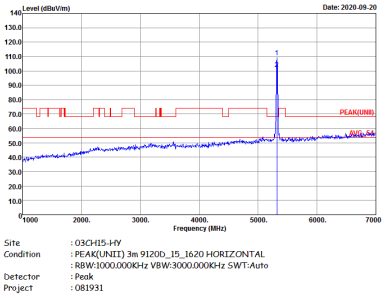
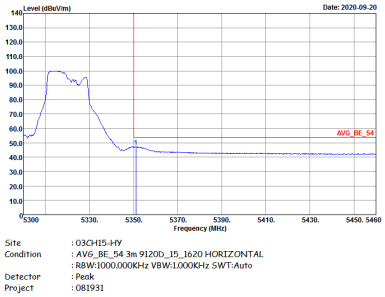
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

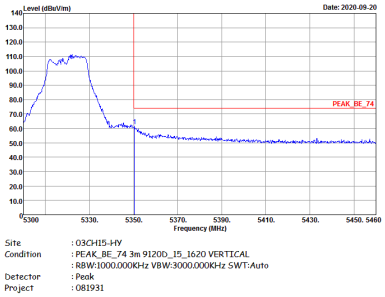
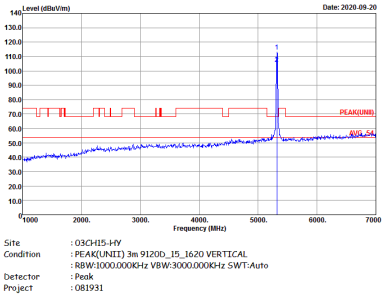
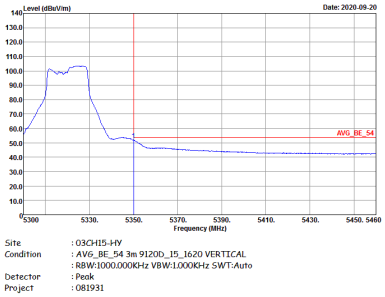
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

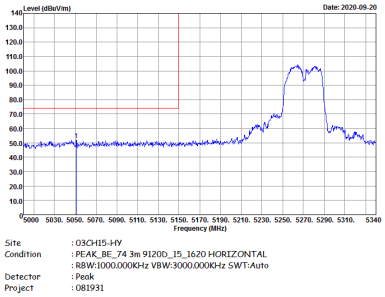
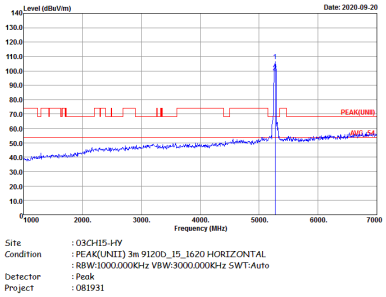
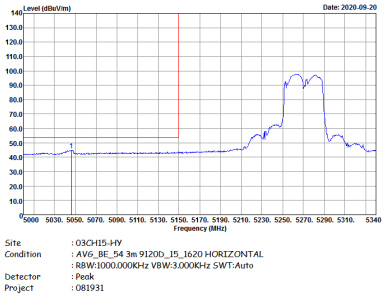
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

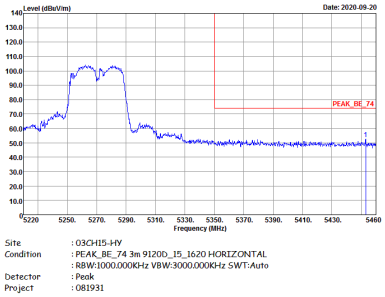
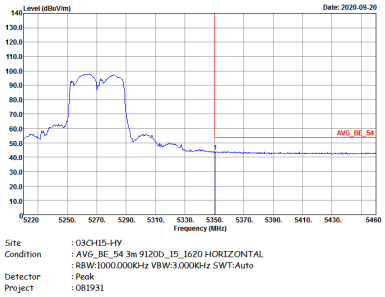
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

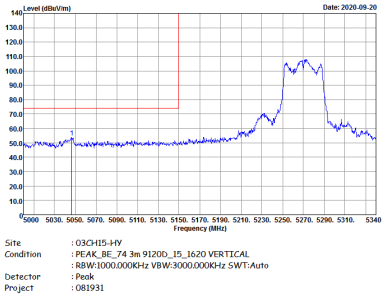
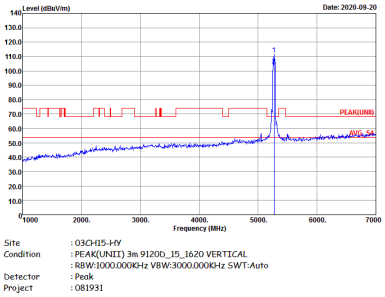
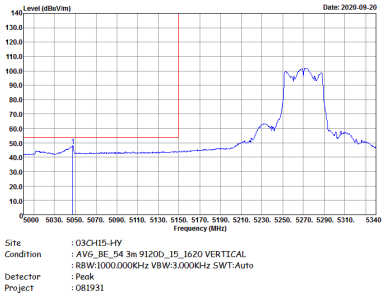
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

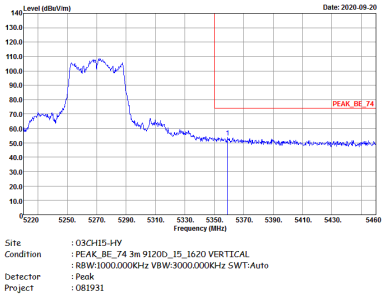
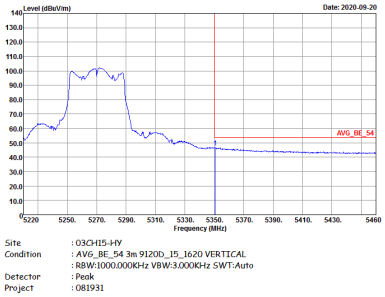
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

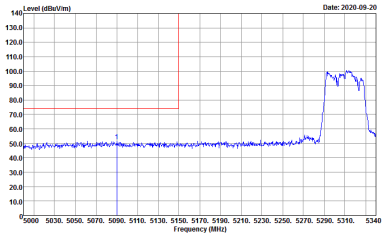
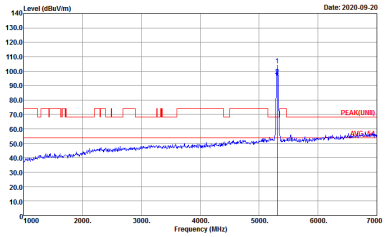
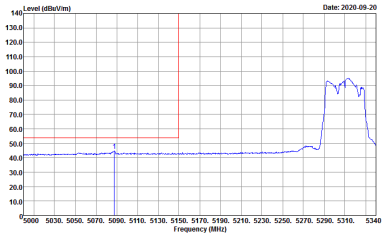
Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

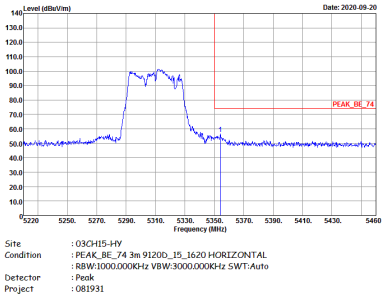
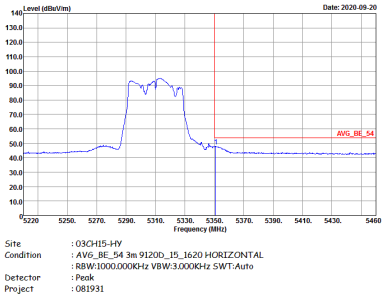
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

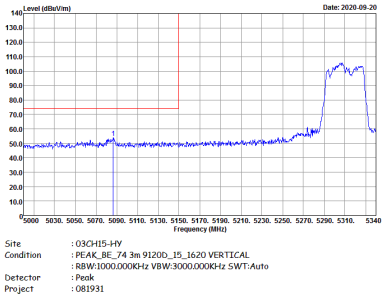
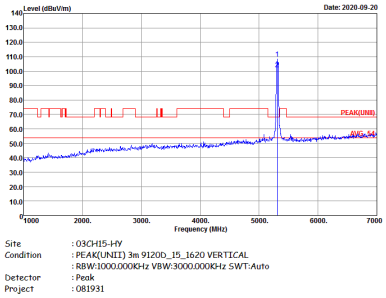
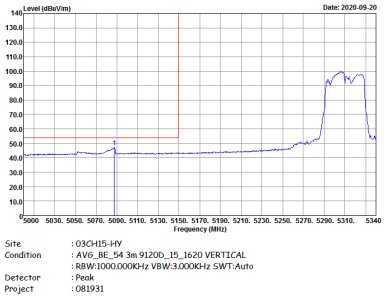
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

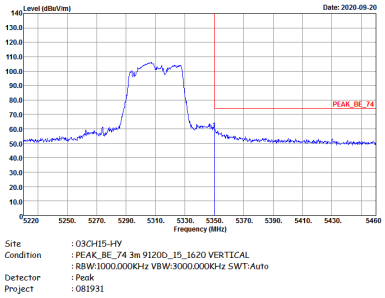
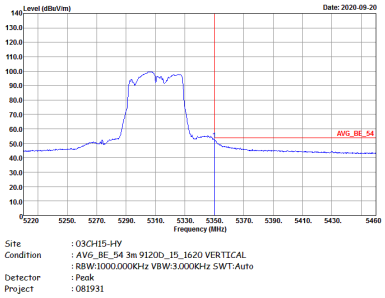
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

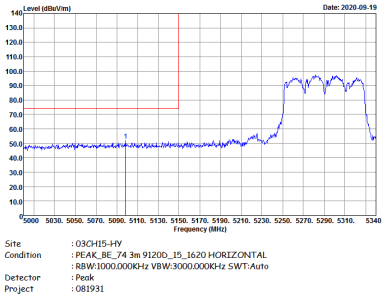
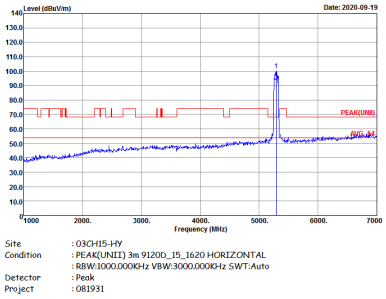
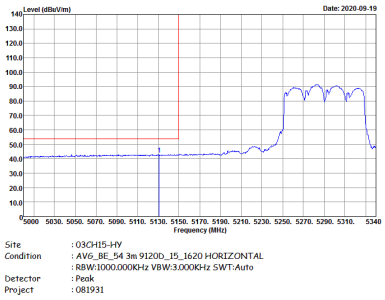
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

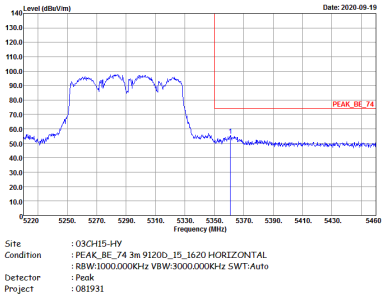
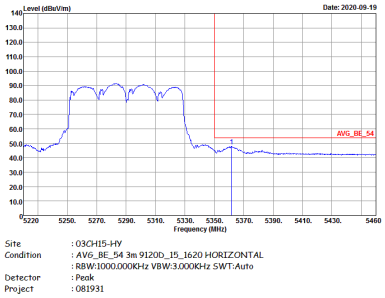
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

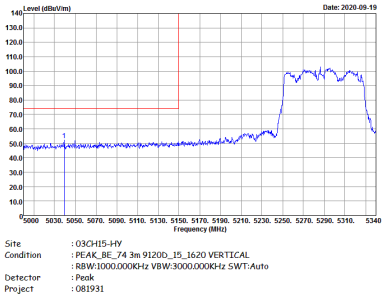
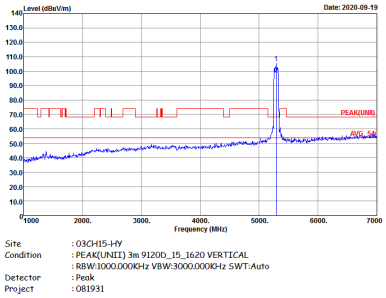
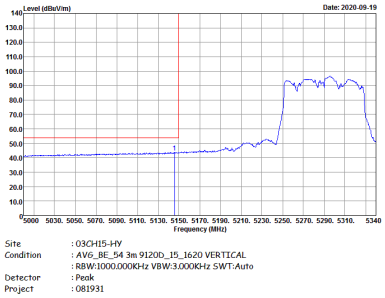
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

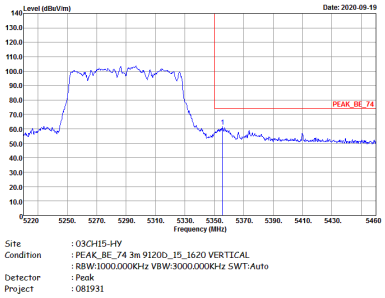
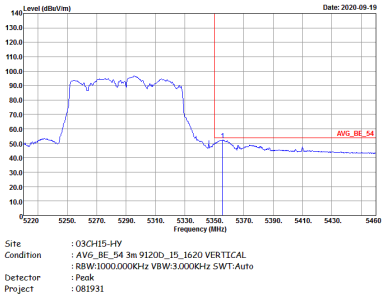
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

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

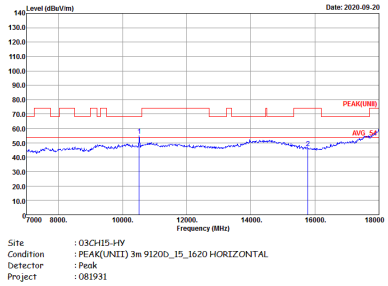
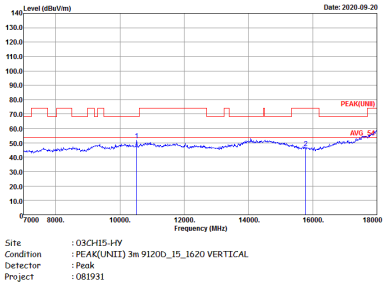
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

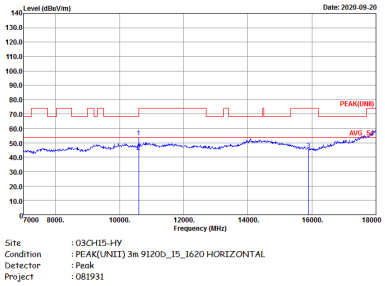
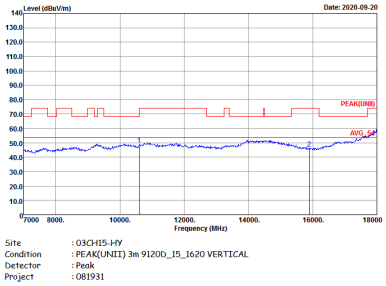
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

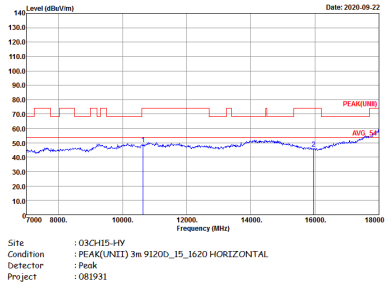
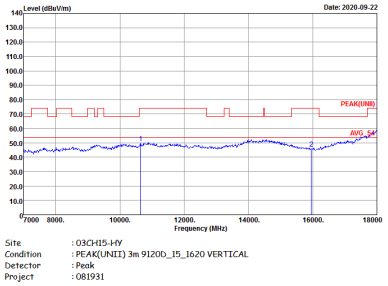
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

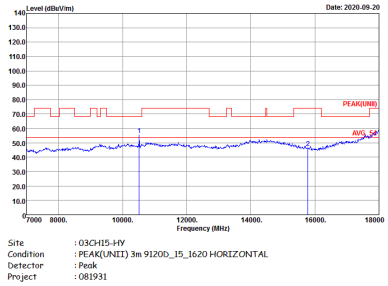
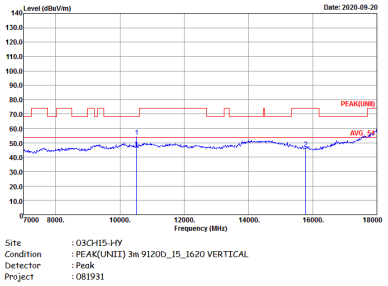
WIFI 802.11a (Harmonic @ 3m)

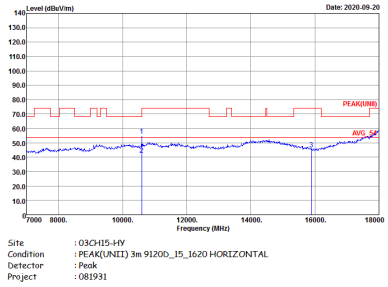
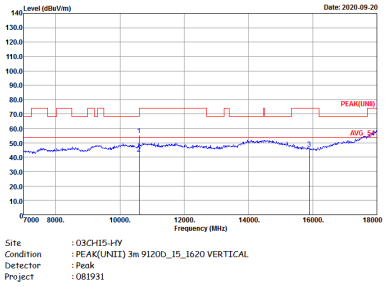
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

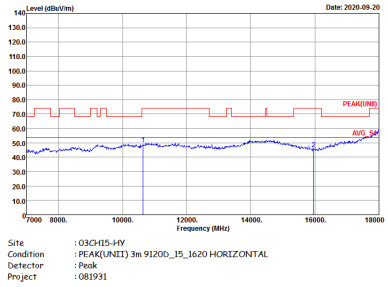
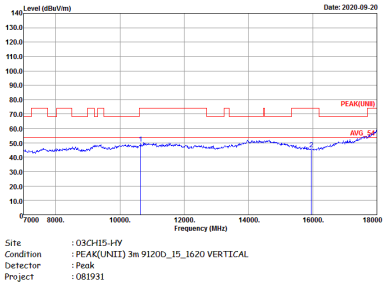
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

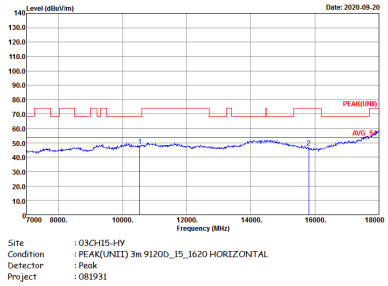
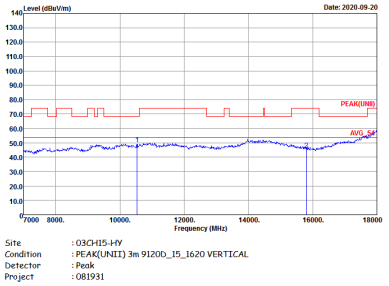
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

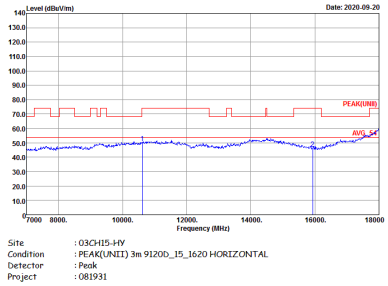
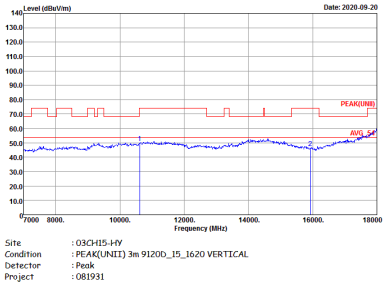
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

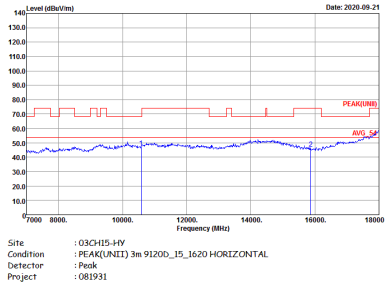
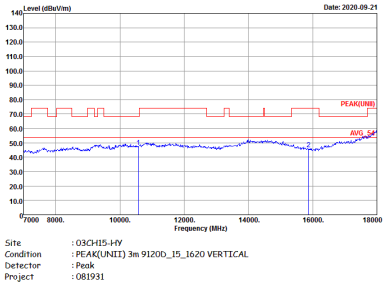
Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.		

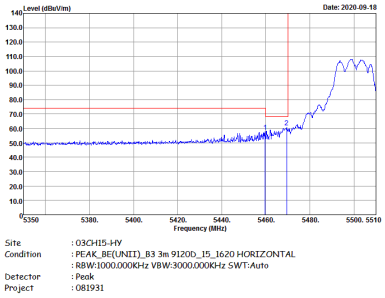
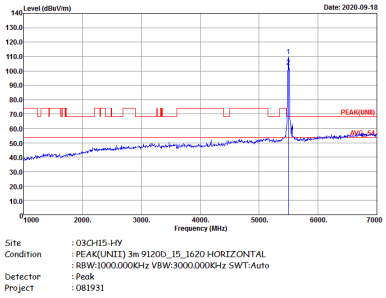
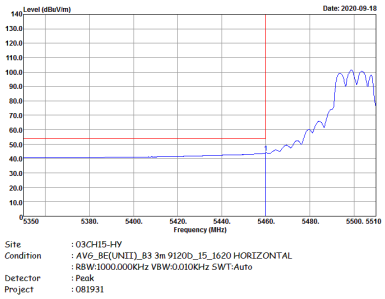
Band 2 5250~5350MHz

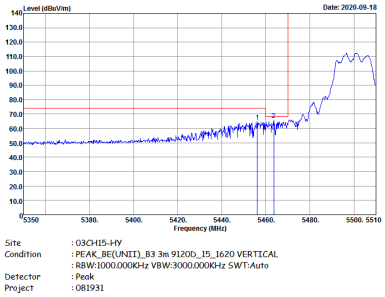
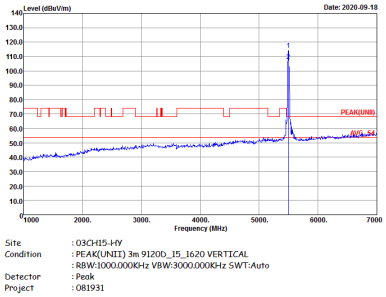
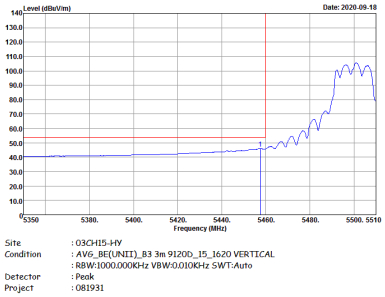
WIFI 802.11ac VHT80 (Harmonic @ 3m)

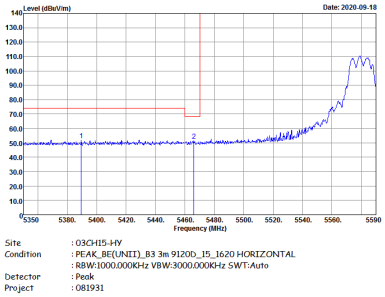
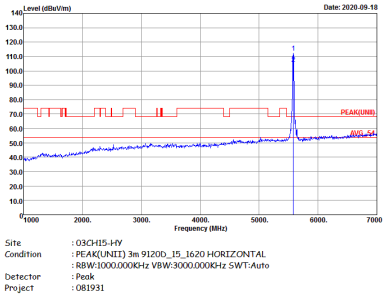
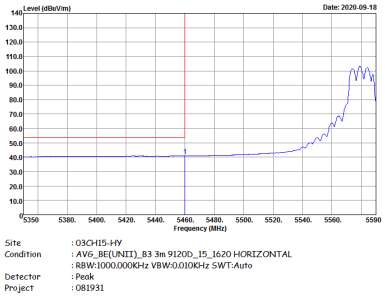
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

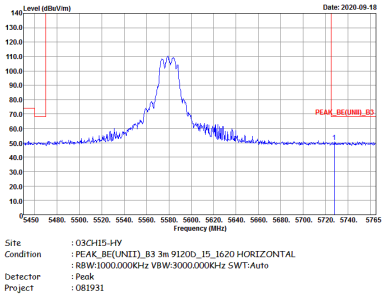
Band 3 - 5470~5725MHz

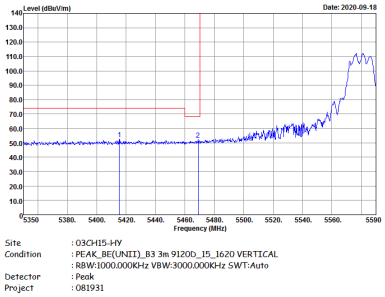
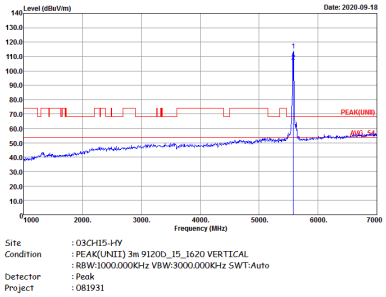
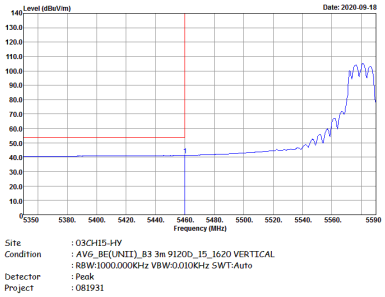
WIFI 802.11a (Band Edge @ 3m)

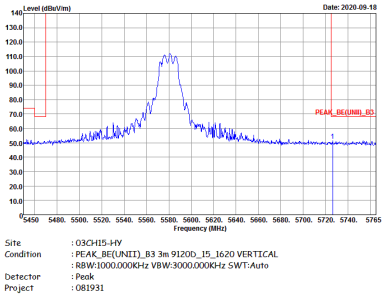
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

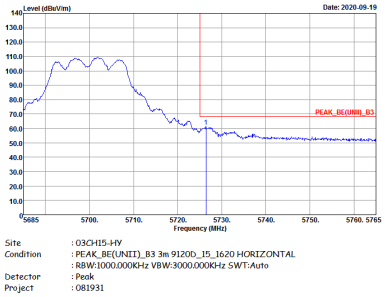
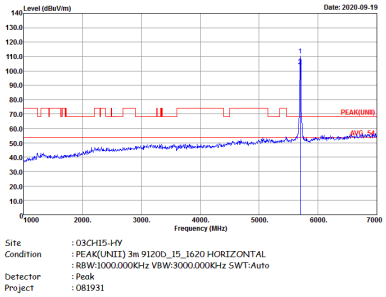
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

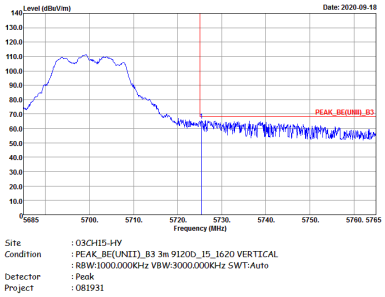
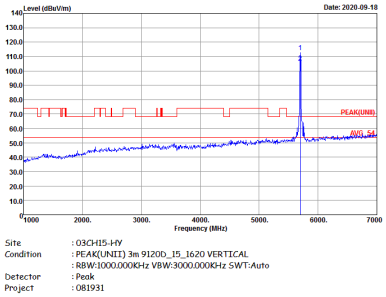
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

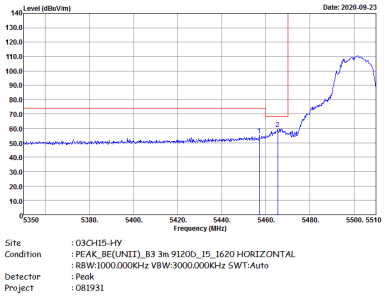
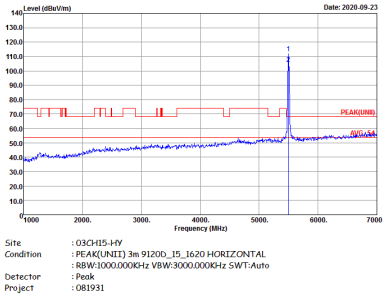
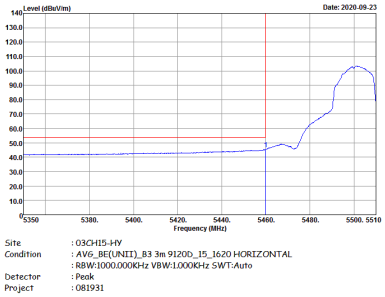
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

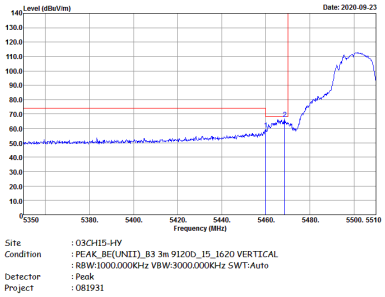
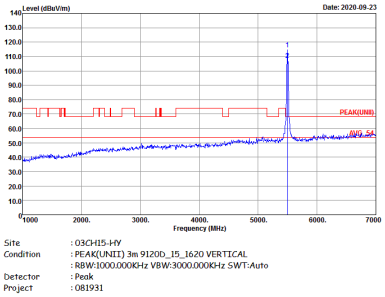
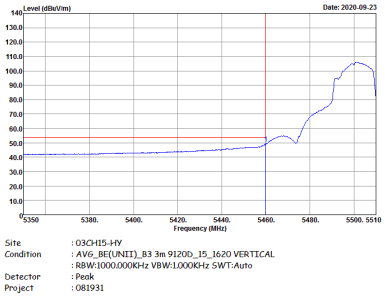
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

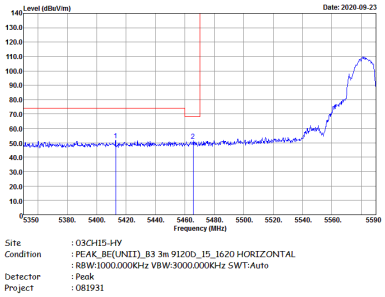
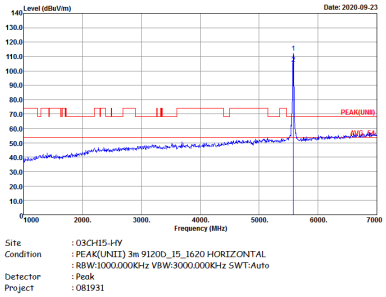
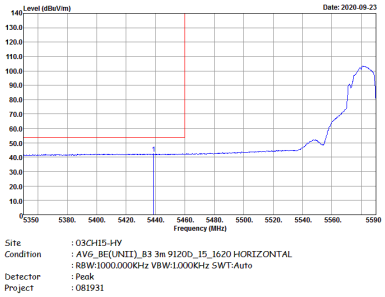
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

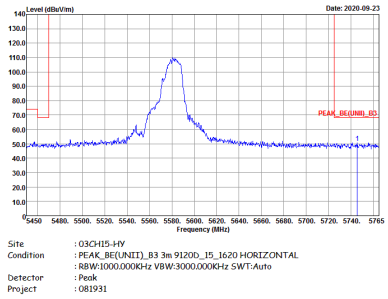
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

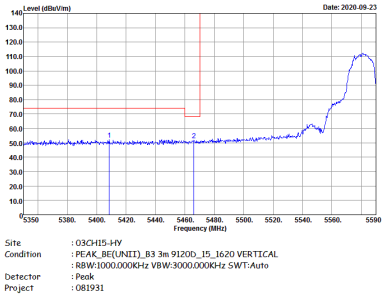
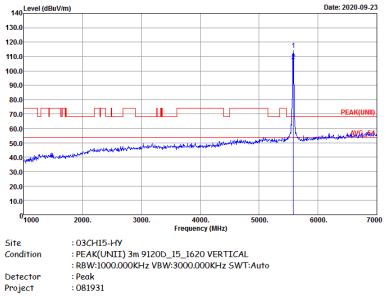
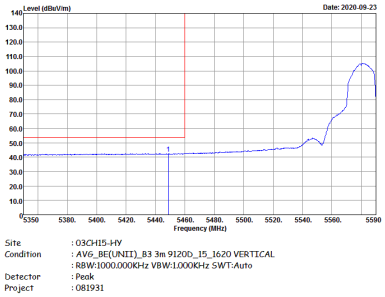
Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

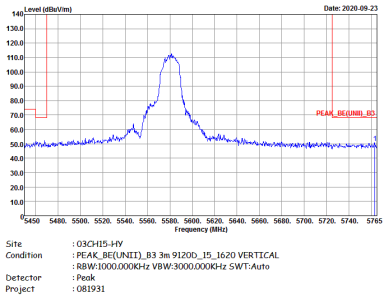
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

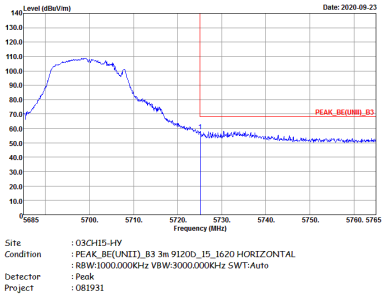
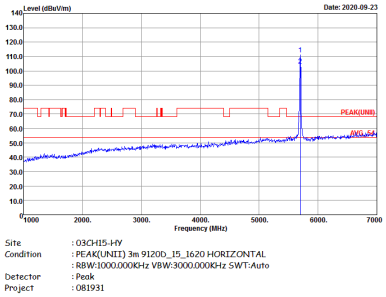
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

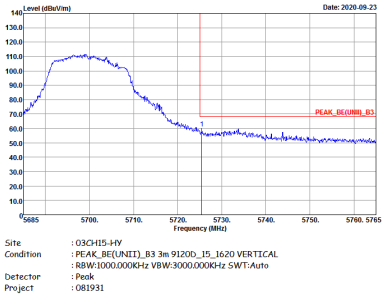
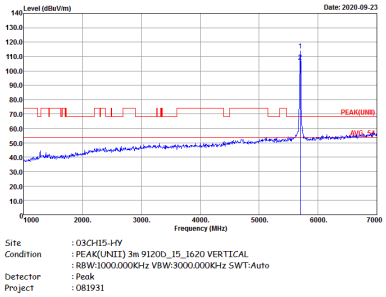
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

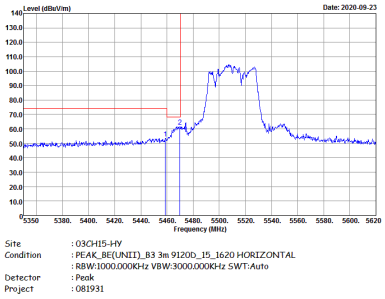
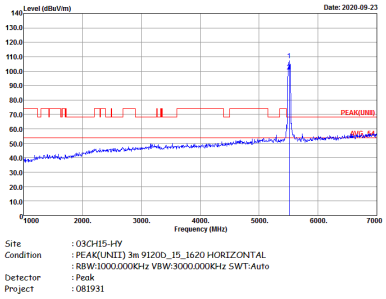
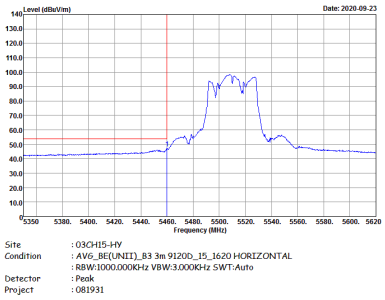
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

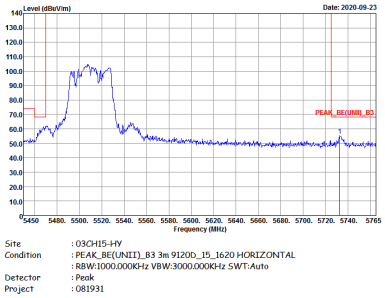
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

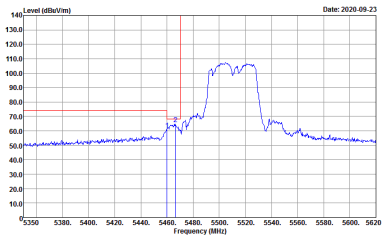
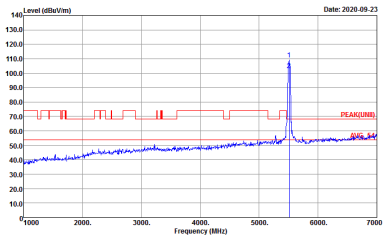
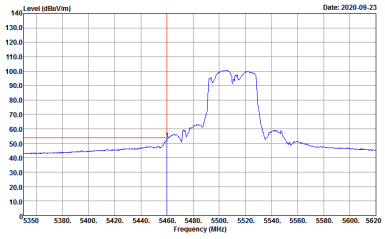
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		

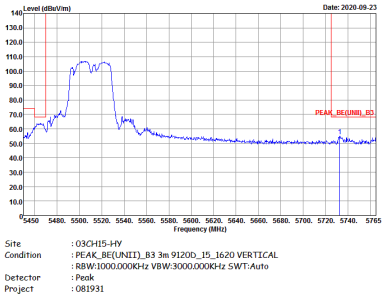
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		

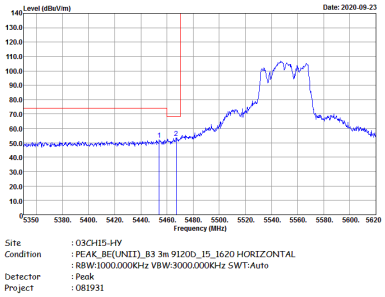
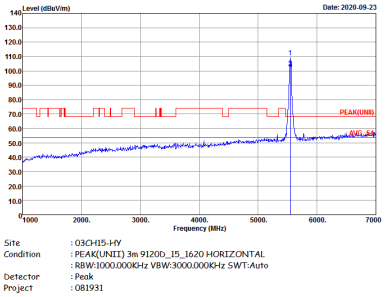
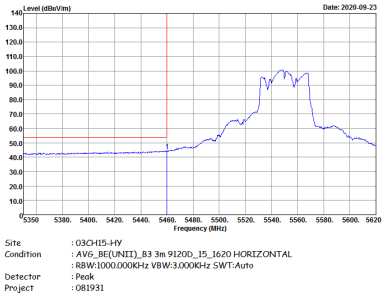
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

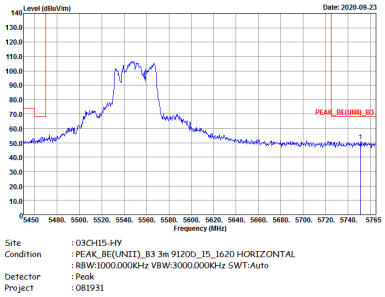
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

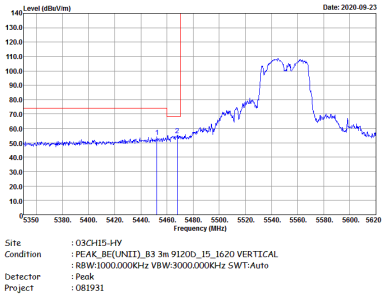
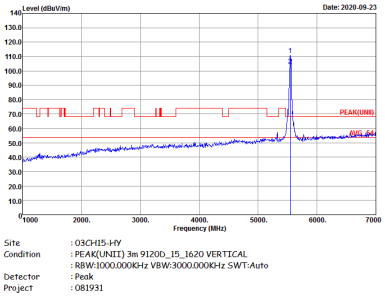
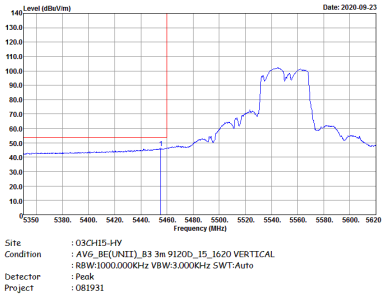
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

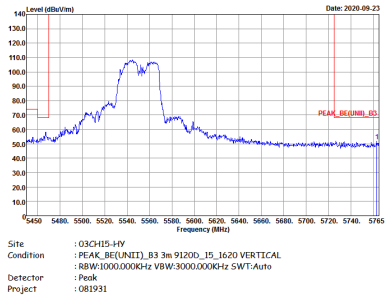
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

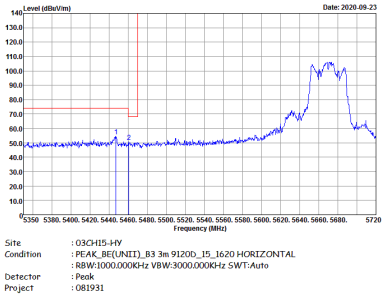
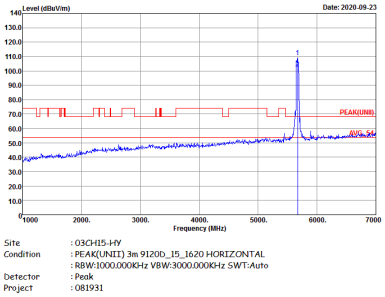
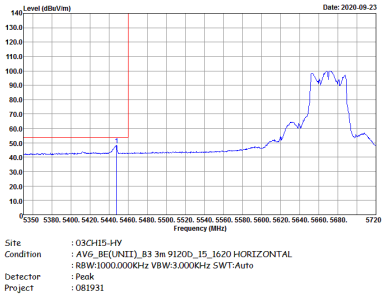
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

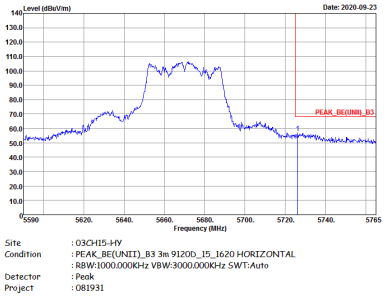
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

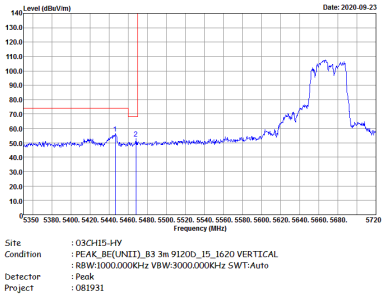
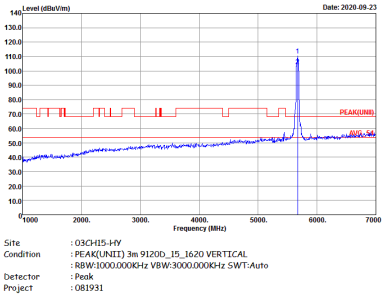
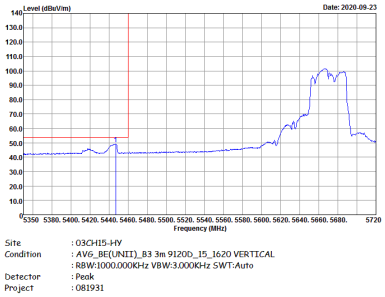
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

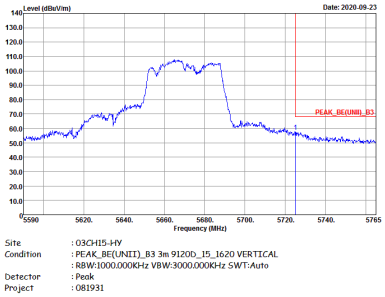
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

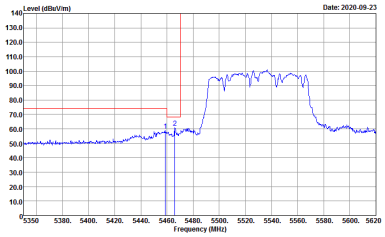
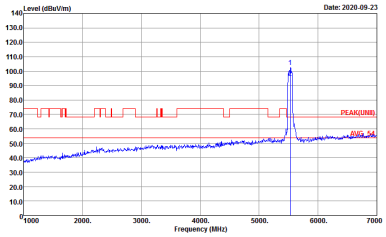
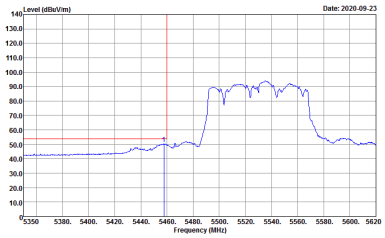
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

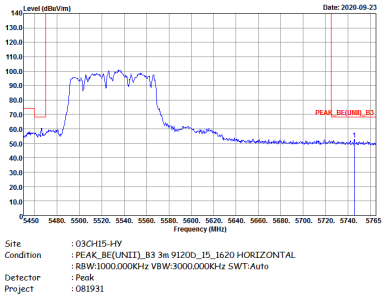
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

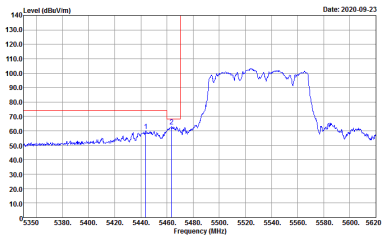
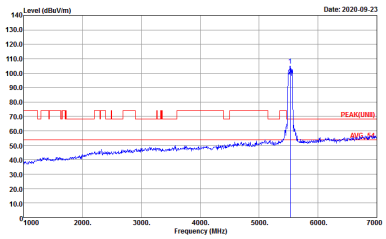
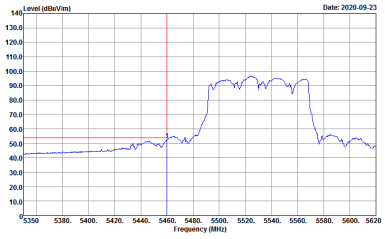
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

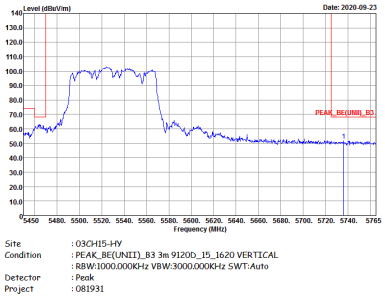
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

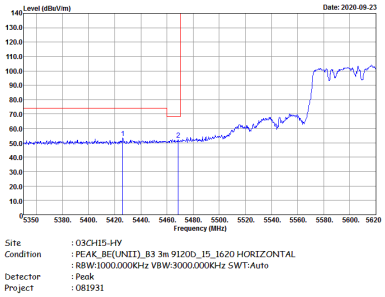
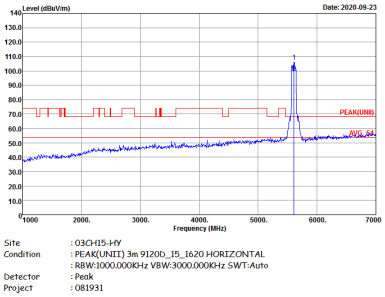
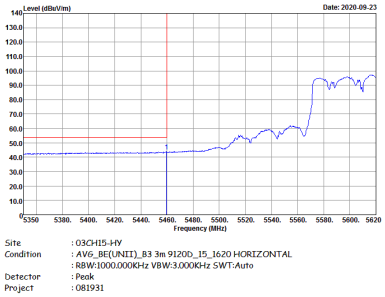
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

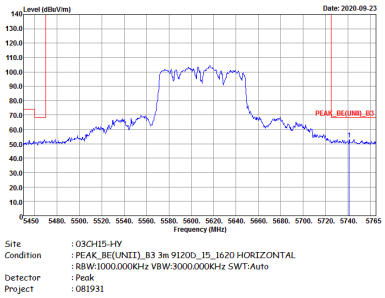
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

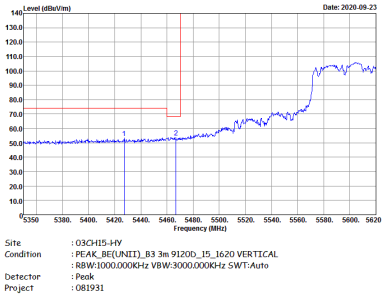
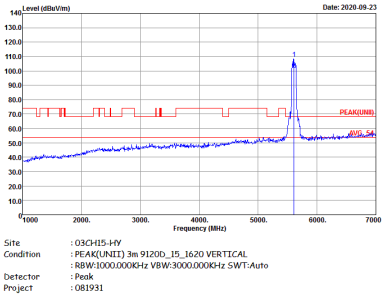
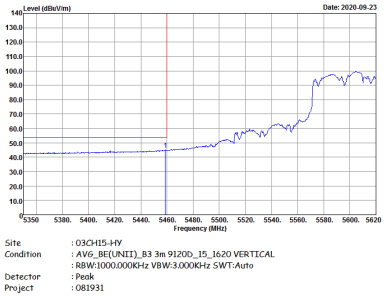
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

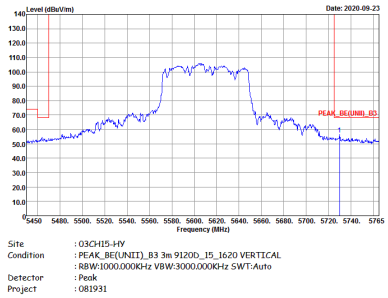
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

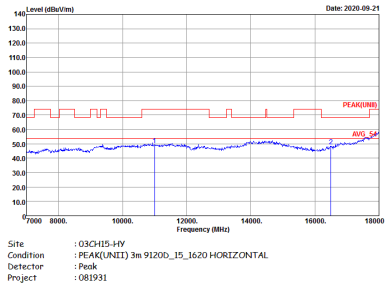
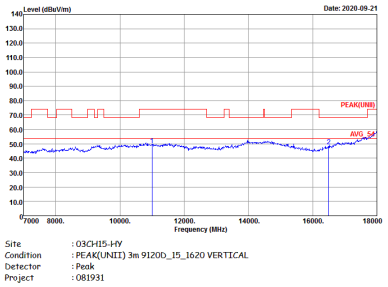
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

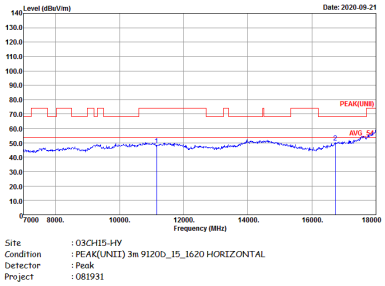
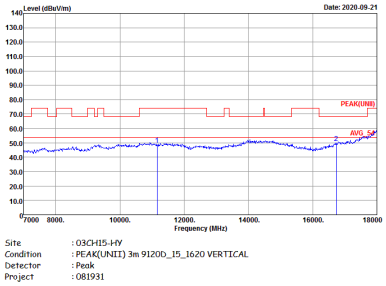
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

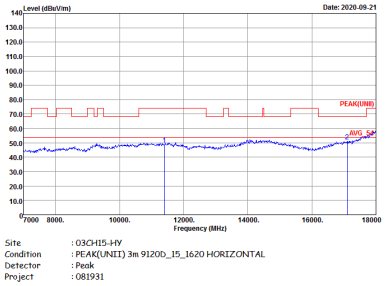
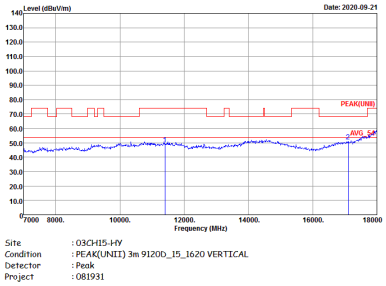
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI 802.11a (Harmonic @ 3m)

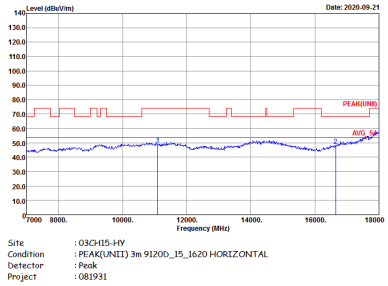
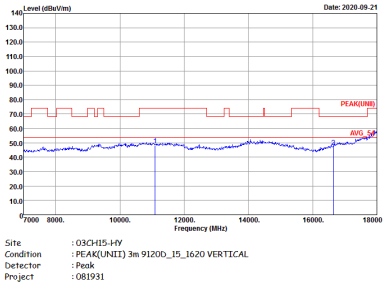
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

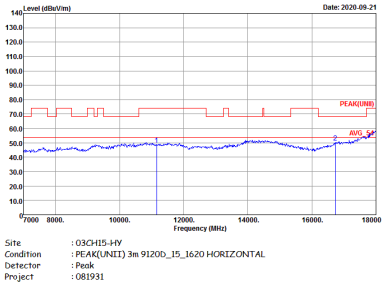
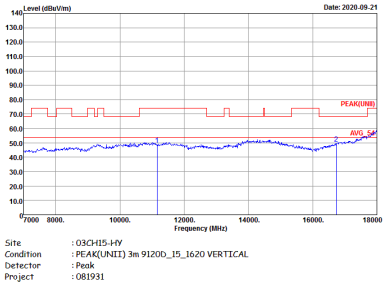
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

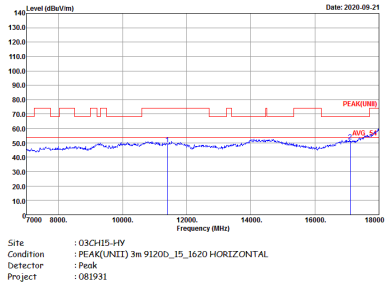
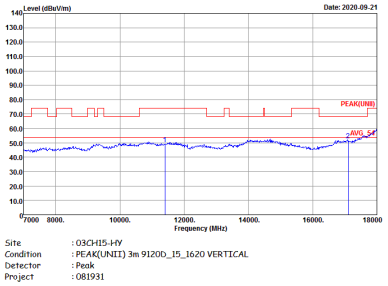
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

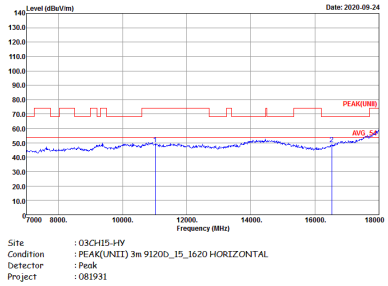
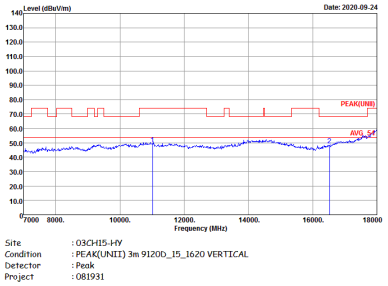
WIFI 802.11ac VHT20 (Harmonic @ 3m)

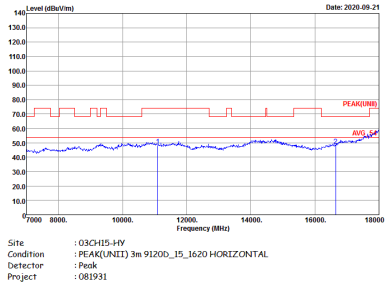
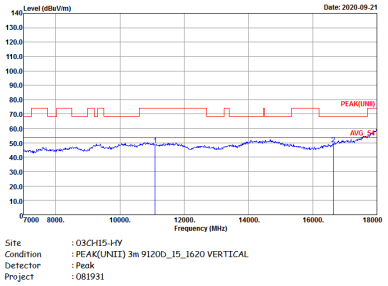
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

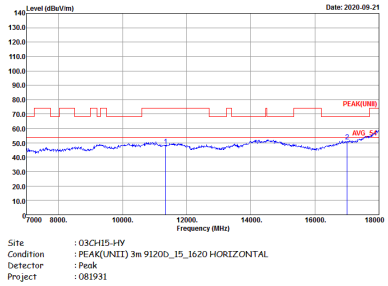
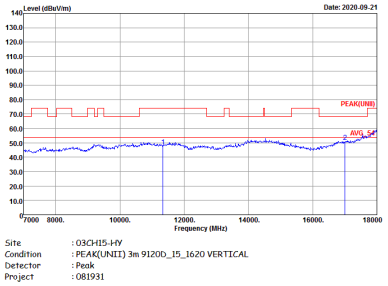
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

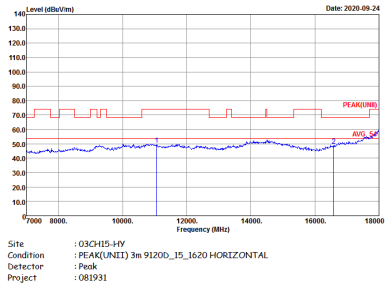
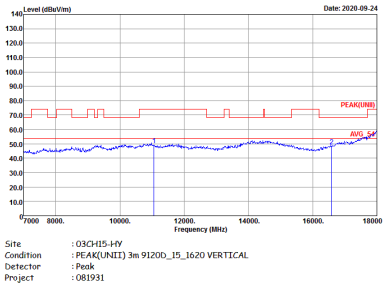
Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

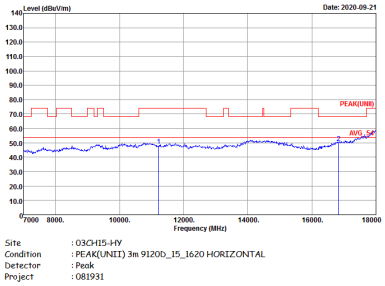
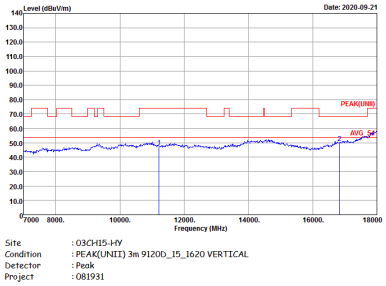
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.		

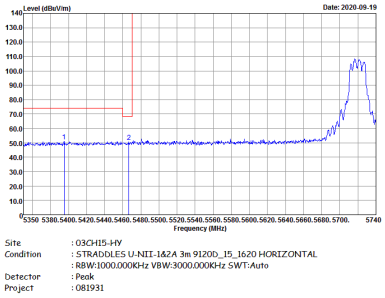
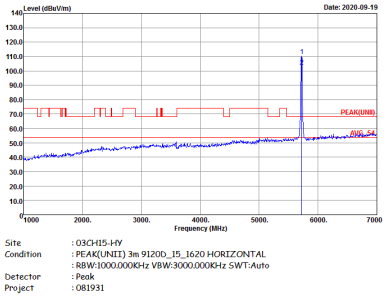
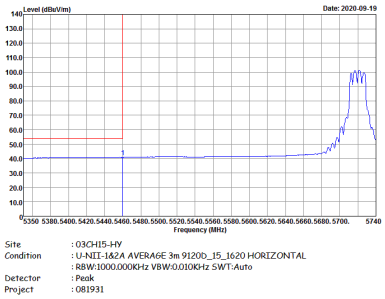
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

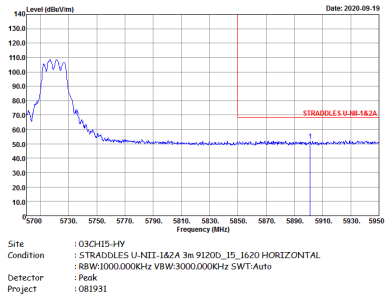
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.		

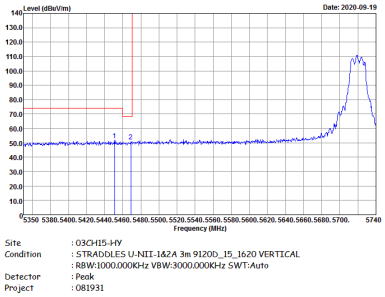
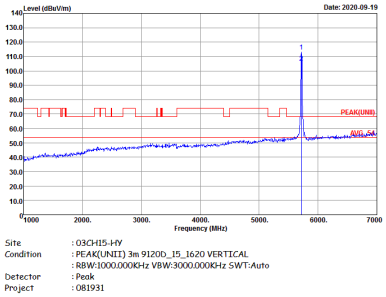
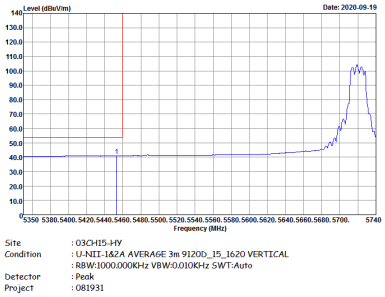
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.		

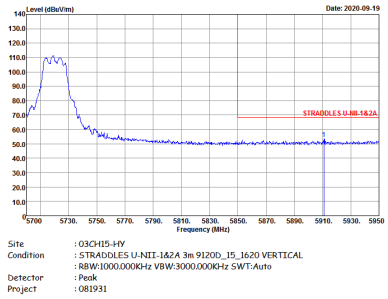
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank