FCC RADIO TEST REPORT

FCC ID	:	**RF41469A**
Equipment	:	**Handheld terminal**
Brand Name	:	**KEYENCE**
Model Name	:	**BT-A700GA**
Marketing Name	:	**KEYENCE**
Applicant	:	**Keyence Corporation** **1-3-14, Higashi-Nakajima, Higashi-Yodogawa-ku, Osaka, 533-8555, JAPAN**
Manufacturer	:	**Keyence Corporation** **1-3-14, Higashi-Nakajima, Higashi-Yodogawa-ku, Osaka, 533-8555, JAPAN**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 17, 2019 and testing was started from Jan. 28, 2019 and completed on Apr. 09, 2019. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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.

Jones Tsai

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR911730-01D	01	Initial issue of report	Apr. 23, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 0.11 dB at 5149.240 MHz
-	15.207	AC Conducted Emission	Not Required	-
3.5	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-
Remark: Not required means after assessing, test items are not necessary to carry out.				

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: Polly Tsai

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WLAN: <Ant. 1> PIFA Antenna <Ant. 2> PIFA Antenna Bluetooth: PIFA Antenna

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	**MIMO <Ant. 1+2>** **<5180 MHz ~ 5240 MHz>** 802.11a : 18.46 dBm / 0.0701 W 802.11n HT20 : 18.61 dBm / 0.0726 W 802.11n HT40 : 19.46 dBm / 0.0883 W 802.11ac VHT20: 18.71 dBm / 0.0743 W 802.11ac VHT40: 19.56 dBm / 0.0904 W 802.11ac VHT80: 14.66 dBm / 0.0292 W **<5260 MHz ~ 5320 MHz>** 802.11a : 18.56 dBm / 0.0718 W 802.11n HT20 : 18.87 dBm / 0.0771 W 802.11n HT40 : 19.41 dBm / 0.0873 W 802.11ac VHT20: 18.97 dBm / 0.0789 W 802.11ac VHT40: 19.51 dBm / 0.0893 W 802.11ac VHT80: 14.47 dBm / 0.0280 W **<5500 MHz ~ 5720 MHz>** 802.11a : 20.26 dBm / 0.1062 W 802.11n HT20 : 20.21 dBm / 0.1050 W 802.11n HT40 : 19.76 dBm / 0.0946 W 802.11ac VHT20: 20.31 dBm / 0.1074 W 802.11ac VHT40: 19.86 dBm / 0.0968 W 802.11ac VHT80: 16.86 dBm / 0.0485 W

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Ant. 1>
802.11a : 17.83 MHz
802.11ac VHT20 : 18.58 MHz
802.11ac VHT40 : 36.96 MHz
802.11ac VHT80 : 76.24 MHz
MIMO <Ant. 2>
802.11a : 17.03 MHz
802.11ac VHT20 : 18.18 MHz
802.11ac VHT40 : 36.96 MHz
802.11ac VHT80 : 76.24 MHz</td></tr>
<tr><td>Antenna Type / Gain</td><td><5180 MHz ~ 5240 MHz>
Ant. 1 : PIFA Antenna with gain 2.58 dBi
Ant. 2 : PIFA Antenna with gain 2.26 dBi
<5260 MHz ~ 5320 MHz>
Ant. 1 : PIFA Antenna with gain 3.21 dBi
Ant. 2 : PIFA Antenna with gain 3.09 dBi
<5500 MHz ~ 5720 MHz>
Ant. 1 : PIFA Antenna with gain 3.38 dBi
Ant. 2 : PIFA Antenna with gain 3.26 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM)
802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table>
<tr><th></th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr>
</table></td></tr>
</table>

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC.
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

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

Test Site	SPORTON INTERNATIONAL INC.
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.**
	03CH12-HY

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

FCC Designation No. TW1190 and TW0007

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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: 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 EUT with cradle and three orthogonal panels (X, Y, Z) without cradle. The worst cases (Y plane without cradle) were recorded in this report.

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

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.

Single Mode (Covered by MIMO Mode)

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

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

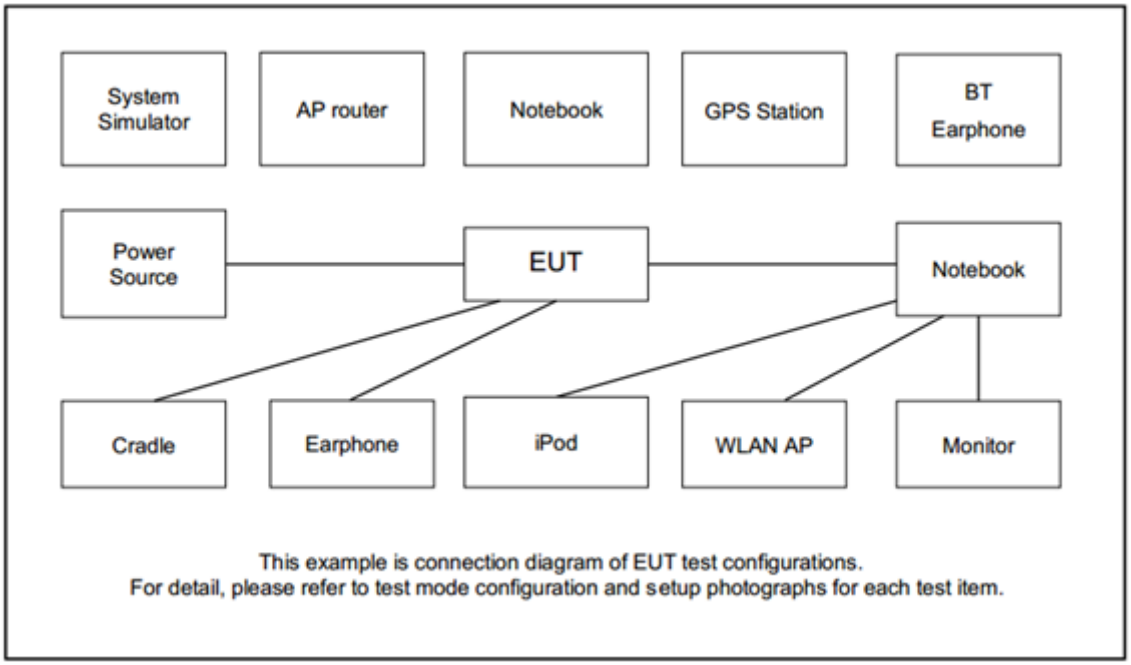
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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	-
H	High	-	-	-

2.3 Connection Diagram of Test System



2.4 EUT Operation Test Setup

The RF test items, utility "QRCT" 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.

2.5 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.

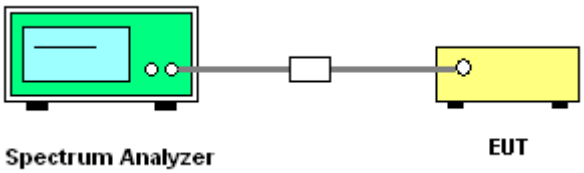
3.1.2 Measuring Instruments

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.

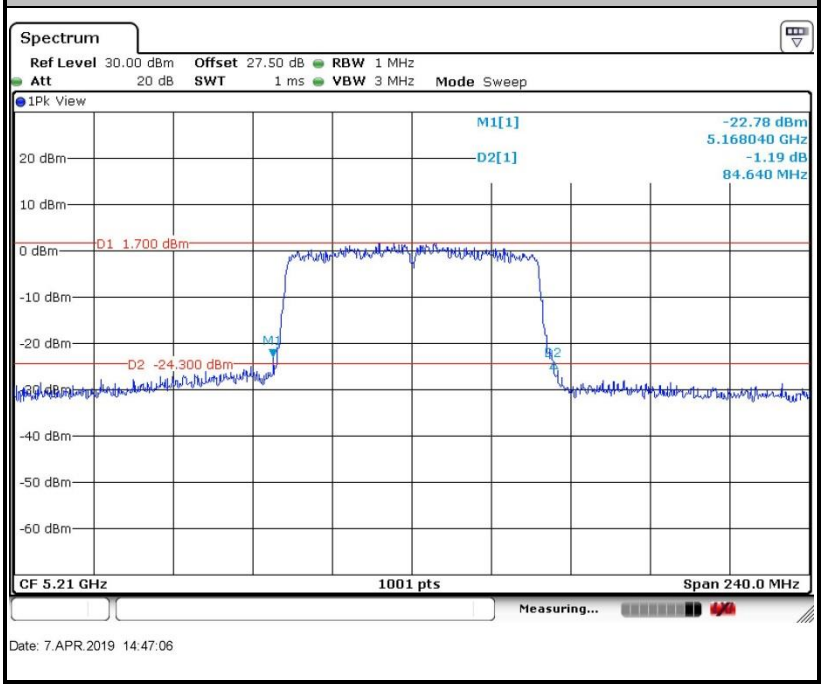
3.1.4 Test Setup



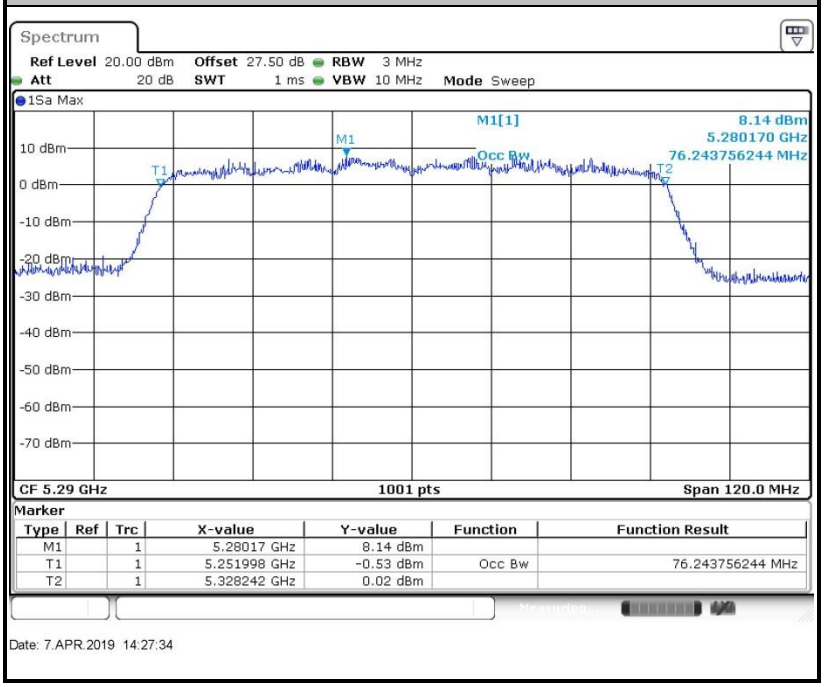
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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.

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.

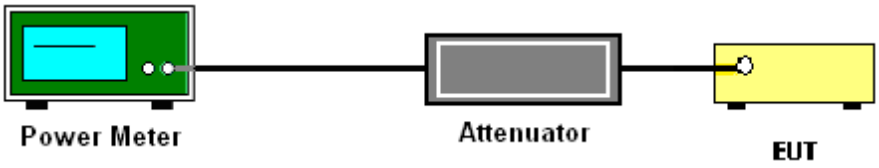
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

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.

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-2 #

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

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

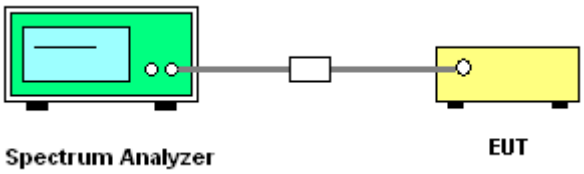
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3. 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.

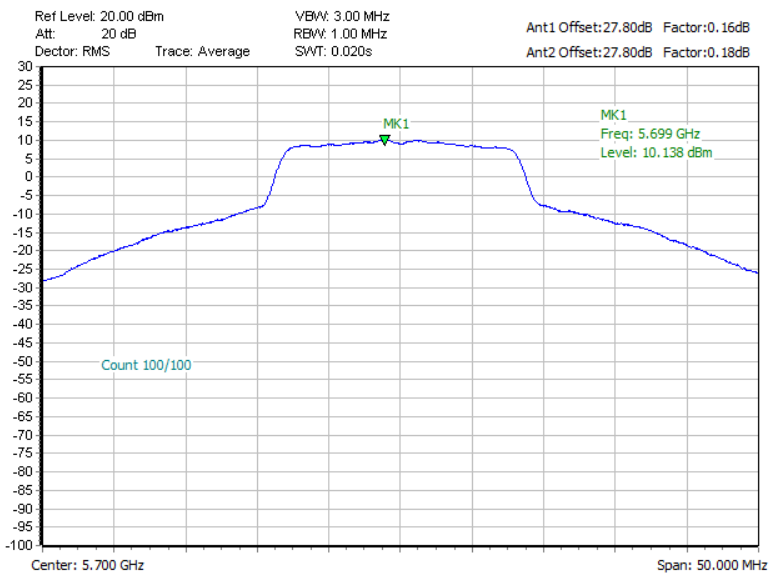
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

For transmitters operating in the 5470-5600 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) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits 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.[3]

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.[4]

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

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

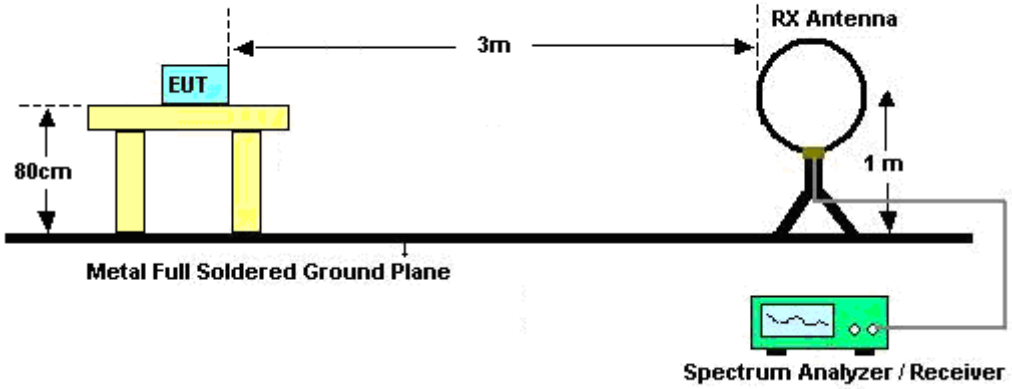
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

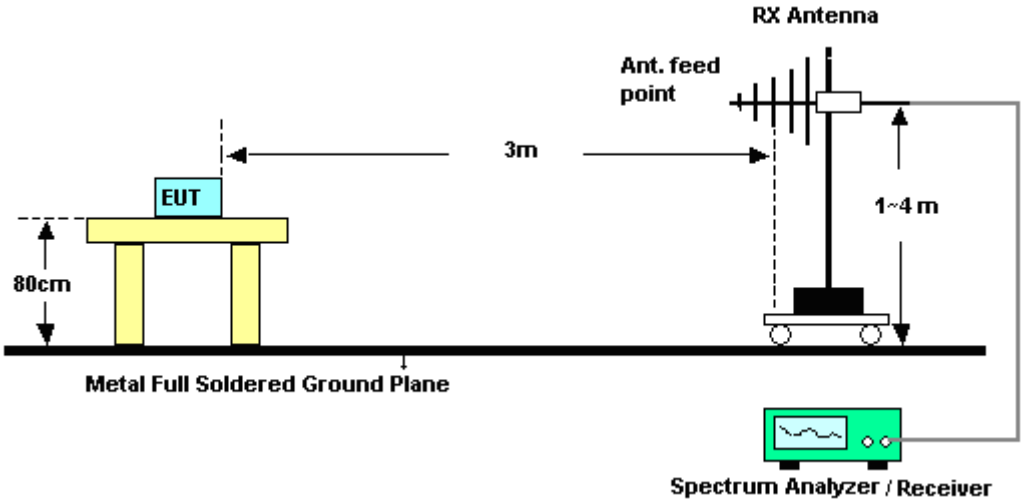
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

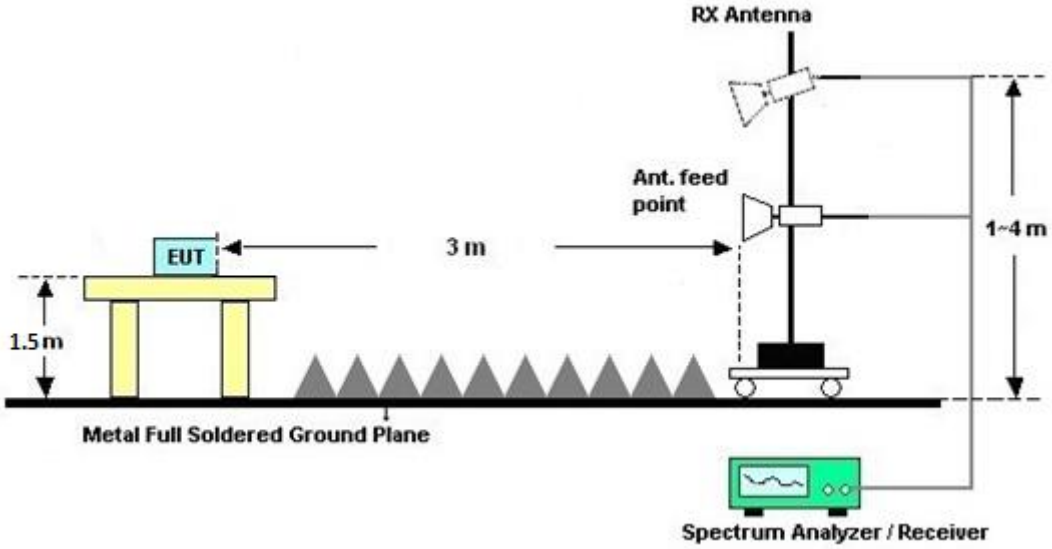
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and 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 B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.

3.5 Automatically Discontinue Transmission

3.5.1 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.

3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 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.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<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.

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.58	2.26	2.58	5.43	0.00	0.00
Band II	3.21	3.09	3.21	6.16	0.00	0.16
Band III	3.38	3.26	3.38	6.33	0.00	0.33

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	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RadiPower	15I00041SNO09	10MHz~6GHz	May 07, 2018	Jan. 28, 2019~ Apr. 09, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Jan. 28, 2019~ Apr. 09, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Apr. 17, 2018	Jan. 28, 2019~ Apr. 09, 2019	Apr. 16, 2019	Conducted (TH05-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 29, 2018	Feb. 06, 2019~ Mar. 02, 2019	Mar. 28, 2019	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	Feb. 06, 2019~ Mar. 02, 2019	Oct. 12, 2019	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Oct. 19, 2018	Feb. 06, 2019~ Mar. 02, 2019	Oct. 18, 2019	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Feb. 06, 2019~ Mar. 02, 2019	May 07, 2019	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 26, 2018	Feb. 06, 2019~ Mar. 02, 2019	Mar. 25, 2019	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 28, 2018	Feb. 06, 2019~ Mar. 02, 2019	May 27, 2019	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JPA0118-55-303K	1710001800054002	1GHz~18GHz	Apr. 17, 2018	Feb. 06, 2019~ Mar. 02, 2019	Apr. 16, 2019	Radiation (03CH12-HY)
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	Aug. 24, 2018	Feb. 06, 2019~ Mar. 02, 2019	Aug. 23, 2019	Radiation (03CH12-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV30	103738	9kHz~30GHz	May 22, 2018	Feb. 06, 2019~ Mar. 02, 2019	May 21, 2019	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 15, 2018	Feb. 06, 2019~ Mar. 02, 2019	Mar. 14, 2019	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12SS	SN2	1.2GHz Low Pass	Mar. 21, 2018	Feb. 06, 2019~ Mar. 02, 2019	Mar. 20, 2019	Radiation (03CH12-HY)
Filter	Woken	WHKX8-5272.5-6750-18000-40ST	SN2	6.75G Highpass	Mar. 21, 2018	Feb. 06, 2019~ Mar. 02, 2019	Mar. 20, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	Mar. 14, 2018	Feb. 06, 2019~ Mar. 02, 2019	Mar. 13, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Feb. 06, 2019~ Mar. 02, 2019	Oct. 15, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Feb. 06, 2019~ Mar. 02, 2019	Oct. 15, 2019	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 06, 2019~ Mar. 02, 2019	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 06, 2019~ Mar. 02, 2019	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Feb. 06, 2019~ Mar. 02, 2019	N/A	Radiation (03CH12-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Jan. 07, 2019	Apr. 01, 2019~ Apr. 04, 2019	Jan. 06, 2020	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	37059&01	30MHz~1GHz	Oct. 13, 2018	Apr. 01, 2019~ Apr. 04, 2019	Oct. 12, 2019	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	9120D-132 8	1GHz ~ 18GHz	Oct. 19, 2018	Apr. 01, 2019~ Apr. 04, 2019	Oct. 18, 2019	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz ~ 40GHz	May 08, 2018	Apr. 01, 2019~ Apr. 04, 2019	May 07, 2019	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2019	Apr. 01, 2019~ Apr. 04, 2019	Mar. 24, 2020	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A023 75	1GHz~26.5GHz	May 28, 2018	Apr. 01, 2019~ Apr. 04, 2019	May 27, 2019	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03K	171000180 0054002	1GHz~18GHz	Apr. 17, 2018	Apr. 01, 2019~ Apr. 04, 2019	Apr. 16, 2019	Radiation (03CH12-HY)
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	Aug. 24, 2018	Apr. 01, 2019~ Apr. 04, 2019	Aug. 23, 2019	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY553701 18	10Hz~44GHz	Apr. 17, 2018	Apr. 01, 2019~ Apr. 04, 2019	Apr. 16, 2019	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-1 2SS	SN2	1.2GHz Low Pass	Mar. 20, 2019	Apr. 01, 2019~ Apr. 04, 2019	Mar. 19, 2020	Radiation (03CH12-HY)
Filter	Woken	WHKX8-5272. 5-6750-18000 -40ST	SN2	6.75G Highpass	Mar.20, 2019	Apr. 01, 2019~ Apr. 04, 2019	Mar .19, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	Mar. 13, 2019	Apr. 01, 2019~ Apr. 04, 2019	Mar. 12, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 16, 2018	Apr. 01, 2019~ Apr. 04, 2019	Oct. 15, 2019	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Oct. 16, 2018	Apr. 01, 2019~ Apr. 04, 2019	Oct. 15, 2019	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Apr. 01, 2019~ Apr. 04, 2019	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Apr. 01, 2019~ Apr. 04, 2019	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-00098 9	N/A	N/A	Apr. 01, 2019~ Apr. 04, 2019	N/A	Radiation (03CH12-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu / Allen Lin/Howard Lin	Temperature:	21~25	°C
Test Date:	2019/1/28~2019/4/9	Relative Humidity:	51~54	%

Report Number : FR911730-01D

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.83	16.73	25.57	24.98	-		22.24			
11a	6Mbps	2	44	5220	16.83	16.73	25.72	25.22	-		22.24			
11a	6Mbps	2	48	5240	16.88	16.78	25.82	25.52	-		22.25			
VHT20	MCS0	2	36	5180	17.98	17.93	26.47	25.37	-		22.54			
VHT20	MCS0	2	44	5220	18.08	18.08	28.17	27.17	-		22.57			
VHT20	MCS0	2	48	5240	18.08	18.08	28.37	27.87	-		22.57			
VHT40	MCS0	2	38	5190	36.56	36.46	41.81	41.81	-		23.01			
VHT40	MCS0	2	46	5230	36.66	36.56	47.20	41.81	-		23.01			
VHT80	MCS0	2	42	5210	76.12	76.24	84.16	84.64	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I													
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	14.30	14.10	17.21	24.00		2.58			Pass
11a	6Mbps	2	44	5220	15.20	15.40	18.31	24.00		2.58			Pass
11a	6Mbps	2	48	5240	15.40	15.50	18.46	24.00		2.58			Pass
HT20	MCS0	2	36	5180	14.10	13.90	17.01	24.00		2.58			Pass
HT20	MCS0	2	44	5220	15.60	15.60	18.61	24.00		2.58			Pass
HT20	MCS0	2	48	5240	15.50	15.20	18.36	24.00		2.58			Pass
HT40	MCS0	2	38	5190	10.30	10.30	13.31	24.00		2.58			Pass
HT40	MCS0	2	46	5230	16.40	16.50	19.46	24.00		2.58			Pass
VHT20	MCS0	2	36	5180	14.20	14.00	17.11	24.00		2.58			Pass
VHT20	MCS0	2	44	5220	15.70	15.70	18.71	24.00		2.58			Pass
VHT20	MCS0	2	48	5240	15.60	15.30	18.46	24.00		2.58			Pass
VHT40	MCS0	2	38	5190	10.40	10.40	13.41	24.00		2.58			Pass
VHT40	MCS0	2	46	5230	16.50	16.60	19.56	24.00		2.58			Pass
VHT80	MCS0	2	42	5210	11.60	11.70	14.66	24.00		2.58			Pass

Report Number : FR911730-01D

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.16	0.18			5.86	11.00		5.43			Pass
11a	6Mbps	2	44	5220	0.16	0.18			6.97	11.00		5.43			Pass
11a	6Mbps	2	48	5240	0.16	0.18			7.08	11.00		5.43			Pass
VHT20	MCS0	2	36	5180	0.18	0.20			5.14	11.00		5.43			Pass
VHT20	MCS0	2	44	5220	0.18	0.20			6.80	11.00		5.43			Pass
VHT20	MCS0	2	48	5240	0.18	0.20			6.57	11.00		5.43			Pass
VHT40	MCS0	2	38	5190	0.35	0.33			-0.96	11.00		5.43			Pass
VHT40	MCS0	2	46	5230	0.35	0.33			5.32	11.00		5.43			Pass
VHT80	MCS0	2	42	5210	0.67	0.67			-3.18	11.00		5.43			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					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	17.13	16.98	28.67	28.12	23.30		29.30		23.98		
11a	6Mbps	2	60	5300	16.78	16.68	25.67	24.78	23.22		29.22		23.98		
11a	6Mbps	2	64	5320	16.78	16.63	24.93	24.88	23.21		29.21		23.98		
VHT20	MCS0	2	52	5260	18.28	18.18	28.82	28.77	23.60		29.60		23.98		
VHT20	MCS0	2	60	5300	18.03	17.88	26.77	25.37	23.52		29.52		23.98		
VHT20	MCS0	2	64	5320	17.93	17.93	26.02	25.27	23.54		29.54		23.98		
VHT40	MCS0	2	54	5270	36.96	36.96	63.75	63.57	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.56	36.46	41.81	41.45	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.24	76.24	82.48	83.44	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II													
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	15.70	15.40	18.56	23.98		3.21		30	Pass
11a	6Mbps	2	60	5300	14.30	14.20	17.26	23.98		3.21		30	Pass
11a	6Mbps	2	64	5320	13.10	12.80	15.96	23.98		3.21		30	Pass
HT20	MCS0	2	52	5260	16.10	15.60	18.87	23.98		3.21		30	Pass
HT20	MCS0	2	60	5300	14.30	14.10	17.21	23.98		3.21		30	Pass
HT20	MCS0	2	64	5320	13.50	13.00	16.27	23.98		3.21		30	Pass
HT40	MCS0	2	54	5270	16.50	16.30	19.41	23.98		3.21		30	Pass
HT40	MCS0	2	62	5310	12.40	12.20	15.31	23.98		3.21		30	Pass
VHT20	MCS0	2	52	5260	16.20	15.70	18.97	23.98		3.21		30	Pass
VHT20	MCS0	2	60	5300	14.40	14.20	17.31	23.98		3.21		30	Pass
VHT20	MCS0	2	64	5320	13.60	13.10	16.37	23.98		3.21		30	Pass
VHT40	MCS0	2	54	5270	16.60	16.40	19.51	23.98		3.21		30	Pass
VHT40	MCS0	2	62	5310	12.60	12.30	15.46	23.98		3.21		30	Pass
VHT80	MCS0	2	58	5290	11.20	11.70	14.47	23.98		3.21		30	Pass

Report Number : FR911730-01D

TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.16	0.18			8.28	10.84		6.16			Pass
11a	6Mbps	2	60	5300	0.16	0.18			6.95	10.84		6.16			Pass
11a	6Mbps	2	64	5320	0.16	0.18			4.54	10.84		6.16			Pass
VHT20	MCS0	2	52	5260	0.18	0.20			7.15	10.84		6.16			Pass
VHT20	MCS0	2	60	5300	0.18	0.20			4.55	10.84		6.16			Pass
VHT20	MCS0	2	64	5320	0.18	0.20			4.55	10.84		6.16			Pass
VHT40	MCS0	2	54	5270	0.35	0.33			5.66	10.84		6.16			Pass
VHT40	MCS0	2	62	5310	0.35	0.33			1.32	10.84		6.16			Pass
VHT80	MCS0	2	58	5290	0.67	0.67			-3.60	10.84		6.16			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
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	17.83	17.03	31.57	27.97	23.31		29.31		23.98		----	----
11a	6Mbps	2	116	5580	17.83	16.93	31.02	26.27	23.29		29.29		23.98		----	----
11a	6Mbps	2	140	5700	16.98	16.73	25.97	25.03	23.24		29.24		23.98		----	----
VHT20	MCS0	2	100	5500	17.98	17.83	26.27	25.22	23.51		29.51		23.98		----	----
VHT20	MCS0	2	116	5580	18.58	18.08	30.77	27.62	23.57		29.57		23.98		----	----
VHT20	MCS0	2	140	5700	18.08	17.88	27.42	25.23	23.52		29.52		23.98		----	----
VHT40	MCS0	2	102	5510	36.66	36.46	41.63	41.81	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	36.96	36.56	51.61	49.72	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	36.86	36.66	55.19	49.99	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.12	75.88	82.96	82.08	23.98		30.00		23.98		----	----

TEST RESULTS DATA
Average Power Table

FCC Band III													
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	14.60	14.40	17.51	23.98		3.38		30	Pass
11a	6Mbps	2	116	5580	17.30	17.20	20.26	23.98		3.38		30	Pass
11a	6Mbps	2	140	5700	17.20	17.10	20.16	23.98		3.38		30	Pass
HT20	MCS0	2	100	5500	14.00	13.90	16.96	23.98		3.38		30	Pass
HT20	MCS0	2	116	5580	17.30	17.10	20.21	23.98		3.38		30	Pass
HT20	MCS0	2	140	5700	17.10	17.00	20.06	23.98		3.38		30	Pass
HT40	MCS0	2	102	5510	14.70	14.40	17.56	23.98		3.38		30	Pass
HT40	MCS0	2	110	5550	16.60	16.70	19.66	23.98		3.38		30	Pass
HT40	MCS0	2	134	5670	16.70	16.80	19.76	23.98		3.38		30	Pass
VHT20	MCS0	2	100	5500	14.10	14.00	17.06	23.98		3.38		30	Pass
VHT20	MCS0	2	116	5580	17.40	17.20	20.31	23.98		3.38		30	Pass
VHT20	MCS0	2	140	5700	17.40	17.00	20.21	23.98		3.38		30	Pass
VHT40	MCS0	2	102	5510	14.80	14.50	17.66	23.98		3.38		30	Pass
VHT40	MCS0	2	110	5550	16.70	16.80	19.76	23.98		3.38		30	Pass
VHT40	MCS0	2	134	5670	16.80	16.90	19.86	23.98		3.38		30	Pass
VHT80	MCS0	2	106	5530	13.70	14.00	16.86	23.98		3.38		30	Pass

Report Number : FR911730-01D

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.16	0.18			9.09	10.67		6.33			Pass
11a	6Mbps	2	116	5580	0.16	0.18			9.32	10.67		6.33			Pass
11a	6Mbps	2	140	5700	0.16	0.18			10.14	10.67		6.33			Pass
VHT20	MCS0	2	100	5500	0.18	0.20			5.82	10.67		6.33			Pass
VHT20	MCS0	2	116	5580	0.18	0.20			8.99	10.67		6.33			Pass
VHT20	MCS0	2	140	5700	0.18	0.20			9.63	10.67		6.33			Pass
VHT40	MCS0	2	102	5510	0.35	0.33			2.49	10.67		6.33			Pass
VHT40	MCS0	2	110	5550	0.35	0.33			5.49	10.67		6.33			Pass
VHT40	MCS0	2	134	5670	0.35	0.33			5.51	10.67		6.33			Pass
VHT80	MCS0	2	106	5530	0.67	0.67			-1.04	10.67		6.33			Pass

Appendix B. Radiated Spurious Emission

Test Engineer :	Jack Cheng , Lance Chiang and Chuan Chu	Temperature :	22~24°C
		Relative Humidity :	56~60%

Band 1 - 5150~5250MHz

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 36 5180MHz		5148.2	56.18	-17.82	74	47.93	31.9	9.82	33.47	161	38	P	H
		5149.5	49	-5	54	40.74	31.9	9.83	33.47	161	38	A	H
	*	5180	111.85	-	-	103.66	31.78	9.87	33.46	161	38	P	H
	*	5180	104.64	-	-	96.45	31.78	9.87	33.46	161	38	A	H
													H
													H
		5146.64	56.35	-17.65	74	48.09	31.91	9.82	33.47	364	360	P	V
		5147.42	49.9	-4.1	54	41.64	31.91	9.82	33.47	364	360	A	V
	*	5180	114.28	-	-	106.09	31.78	9.87	33.46	364	360	P	V
	*	5180	106	-	-	97.81	31.78	9.87	33.46	364	360	A	V
													V
													V
802.11a CH 44 5220MHz		5014.3	50.37	-23.63	74	42.71	31.51	9.63	33.48	180	9	P	H
		5149.76	43.55	-10.45	54	35.29	31.9	9.83	33.47	180	9	A	H
	*	5220	112.43	-	-	104.39	31.58	9.92	33.46	180	9	P	H
	*	5220	104.63	-	-	96.59	31.58	9.92	33.46	180	9	A	H
		5408.48	48.76	-25.24	74	40.51	31.53	10.16	33.44	180	9	P	H
		5459.72	41.82	-12.18	54	33.28	31.74	10.23	33.43	180	9	A	H
		5146.38	50.79	-23.21	74	42.53	31.91	9.82	33.47	358	360	P	V
		5150	44.53	-9.47	54	36.27	31.9	9.83	33.47	358	360	A	V
	*	5220	114.87	-	-	106.83	31.58	9.92	33.46	358	360	P	V
	*	5220	106.74	-	-	98.7	31.58	9.92	33.46	358	360	A	V
		5457.2	50.08	-23.92	74	41.55	31.73	10.23	33.43	358	360	P	V
		5457.48	41.62	-12.38	54	33.09	31.73	10.23	33.43	358	360	A	V

802.11a CH 48 5240MHz		5118.82	50.57	-23.43	74	42.3	31.96	9.78	33.47	199	12	P	H
		5143.26	42.5	-11.5	54	34.24	31.91	9.82	33.47	199	12	A	H
	*	5240	112.14	-	-	104.19	31.46	9.95	33.46	199	12	P	H
	*	5240	104.22	-	-	96.27	31.46	9.95	33.46	199	12	A	H
		5387.76	50.81	-23.19	74	42.67	31.45	10.13	33.44	199	12	P	H
		5456.08	41.66	-12.34	54	33.14	31.72	10.23	33.43	199	12	A	H
		5110.76	51.8	-22.2	74	43.52	31.98	9.77	33.47	353	0	P	V
		5150	43.2	-10.8	54	34.94	31.9	9.83	33.47	353	0	A	V
	*	5240	113.87	-	-	105.92	31.46	9.95	33.46	353	0	P	V
	*	5240	106.22	-	-	98.27	31.46	9.95	33.46	353	0	A	V
		5450.2	49.49	-24.51	74	41	31.7	10.22	33.43	353	0	P	V
		5457.48	41.67	-12.33	54	33.14	31.73	10.23	33.43	353	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 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		10360	67.68	-0.52	68.2	73.39	39.58	15.47	60.76	200	287	P	H
		15540	42.3	-31.7	74	45.31	38.22	19.34	60.57	100	0	P	H
													H
													H
		10360	62.82	-5.38	68.2	68.53	39.58	15.47	60.76	400	330	P	V
		15540	42.11	-31.89	74	45.12	38.22	19.34	60.57	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	66.81	-1.39	68.2	72.49	39.7	15.5	60.88	200	287	P	H
		15660	43.1	-30.9	74	46.36	37.8	19.42	60.48	100	0	P	H
													H
													H
		10440	63.7	-4.5	68.2	69.38	39.7	15.5	60.88	385	326	P	V
		15660	42.53	-31.47	74	45.79	37.8	19.42	60.48	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	67.53	-0.67	68.2	73.28	39.7	15.52	60.97	188	299	P	H
		15720	42.39	-31.61	74	45.6	37.76	19.45	60.42	100	0	P	H
													H
													H
		10480	63.9	-4.3	68.2	69.65	39.7	15.52	60.97	400	331	P	V
		15720	43.12	-30.88	74	46.33	37.76	19.45	60.42	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.	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)
802.11ac VHT20 CH 36 5180MHz		5109.14	55.73	-18.27	74	47.45	31.98	9.77	33.47	199	43	P	H
		5149.94	48.9	-5.1	54	40.64	31.9	9.83	33.47	199	43	A	H
	*	5180	111.97	-	-	103.78	31.78	9.87	33.46	199	43	P	H
	*	5180	104.44	-	-	96.25	31.78	9.87	33.46	199	43	A	H
													H
													H
		5149.26	56.52	-17.48	74	48.26	31.9	9.83	33.47	380	2	P	V
		5148.58	49.54	-4.46	54	41.28	31.9	9.83	33.47	380	2	A	V
	*	5180	112.48	-	-	104.29	31.78	9.87	33.46	380	2	P	V
	*	5180	104.05	-	-	95.86	31.78	9.87	33.46	380	2	A	V
													V
													V
802.11ac VHT20 CH 44 5220MHz		5148.98	60.15	-13.85	74	51.89	31.9	9.83	33.47	186	0	P	H
		5149.76	44.41	-9.59	54	36.15	31.9	9.83	33.47	186	0	A	H
	*	5220	113.24	-	-	105.2	31.58	9.92	33.46	186	0	P	H
	*	5220	105.22	-	-	97.18	31.58	9.92	33.46	186	0	A	H
		5432.56	49.96	-24.04	74	41.57	31.63	10.2	33.44	186	0	P	H
		5454.68	41.61	-12.39	54	33.09	31.72	10.23	33.43	186	0	A	H
		5133.64	52.83	-21.17	74	44.57	31.93	9.8	33.47	380	2	P	V
		5149.76	45.51	-8.49	54	37.25	31.9	9.83	33.47	380	2	A	V
	*	5220	113.2	-	-	105.16	31.58	9.92	33.46	380	2	P	V
	*	5220	105.25	-	-	97.21	31.58	9.92	33.46	380	2	A	V
		5435.36	49.5	-24.5	74	41.1	31.64	10.2	33.44	380	2	P	V
		5455.8	41.81	-12.19	54	33.29	31.72	10.23	33.43	380	2	A	V

802.11ac VHT20 CH 48 5240MHz		5093.08	51.73	-22.27	74	43.49	31.97	9.74	33.47	205	360	P	H
		5148.2	42.67	-11.33	54	34.42	31.9	9.82	33.47	205	360	A	H
	*	5240	112.3	-	-	104.35	31.46	9.95	33.46	205	360	P	H
	*	5240	104.82	-	-	96.87	31.46	9.95	33.46	205	360	A	H
		5414.92	49.99	-24.01	74	41.7	31.56	10.17	33.44	205	360	P	H
		5452.72	41.64	-12.36	54	33.14	31.71	10.22	33.43	205	360	A	H
		5125.32	52.12	-21.88	74	43.85	31.95	9.79	33.47	374	0	P	V
		5142.48	43.39	-10.61	54	35.12	31.92	9.82	33.47	374	0	A	V
	*	5240	113.21	-	-	105.26	31.46	9.95	33.46	374	0	P	V
	*	5240	105.31	-	-	97.36	31.46	9.95	33.46	374	0	A	V
		5393.64	49.81	-24.19	74	41.64	31.47	10.14	33.44	374	0	P	V
		5351.08	41.83	-12.17	54	33.88	31.3	10.09	33.44	374	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 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)
802.11ac VHT20 CH 36 5180MHz		10360	67.54	-0.66	68.2	73.25	39.58	15.47	60.76	212	288	P	H
		15540	41.67	-32.33	74	44.68	38.22	19.34	60.57	100	0	P	H
													H
													H
		10360	53.46	-14.74	68.2	59.17	39.58	15.47	60.76	100	0	P	V
		15540	43.21	-30.79	74	46.22	38.22	19.34	60.57	100	0	P	V
													V
													V
802.11ac VHT20 CH 44 5220MHz		10440	67.54	-0.66	68.2	73.22	39.7	15.5	60.88	189	283	P	H
		15660	42	-32	74	45.26	37.8	19.42	60.48	100	0	P	H
													H
													H
		10440	59.86	-8.34	68.2	65.54	39.7	15.5	60.88	100	0	P	V
		15660	43.42	-30.58	74	46.68	37.8	19.42	60.48	100	0	P	V
													V
													V
802.11ac VHT20 CH 48 5240MHz		10480	67.82	-0.38	68.2	73.57	39.7	15.52	60.97	189	288	P	H
		15720	41.37	-32.63	74	44.58	37.76	19.45	60.42	100	0	P	H
													H
													H
		10480	60.16	-8.04	68.2	65.91	39.7	15.52	60.97	100	0	P	V
		15720	43	-31	74	46.21	37.76	19.45	60.42	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.	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)
802.11ac VHT40 CH 38 5190MHz		5148.98	61.8	-12.2	74	53.54	31.9	9.83	33.47	147	36	P	H
		5150	50.97	-3.03	54	42.71	31.9	9.83	33.47	147	36	A	H
	*	5190	105.25	-	-	97.08	31.74	9.89	33.46	147	36	P	H
	*	5190	97.16	-	-	88.99	31.74	9.89	33.46	147	36	A	H
		5432	49.37	-24.63	74	40.99	31.63	10.19	33.44	147	36	P	H
		5456.08	42.22	-11.78	54	33.7	31.72	10.23	33.43	147	36	A	H
		5146.9	65.04	-8.96	74	56.78	31.91	9.82	33.47	362	0	P	V
		5149.24	52.31	-1.69	54	44.05	31.9	9.83	33.47	362	0	A	V
	*	5190	106.66	-	-	98.49	31.74	9.89	33.46	362	0	P	V
	*	5190	98.38	-	-	90.21	31.74	9.89	33.46	362	0	A	V
		5370.4	50.53	-23.47	74	42.48	31.38	10.11	33.44	362	0	P	V
		5433.68	42.38	-11.62	54	33.99	31.63	10.2	33.44	362	0	A	V
802.11ac VHT40 CH 46 5230MHz		5147.16	62.72	-11.28	74	54.3	31.91	9.98	33.47	196	125	P	H
		5145.08	50.64	-3.36	54	42.23	31.91	9.97	33.47	196	125	A	H
	*	5230	113.95	-	-	105.83	31.52	10.06	33.46	196	125	P	H
	*	5230	104.13	-	-	96.01	31.52	10.06	33.46	196	125	A	H
		5350.52	56.59	-17.41	74	48.57	31.3	10.16	33.44	196	125	P	H
		5361.16	43.76	-10.24	54	35.69	31.34	10.17	33.44	196	125	A	H
		5134.94	60.68	-13.32	74	52.26	31.93	9.96	33.47	195	261	P	V
		5149.5	48.86	-5.14	54	40.45	31.9	9.98	33.47	195	261	A	V
	*	5230	114.67	-	-	106.55	31.52	10.06	33.46	195	261	P	V
	*	5230	104.55	-	-	96.43	31.52	10.06	33.46	195	261	A	V
		5351.08	57.14	-16.86	74	49.12	31.3	10.16	33.44	195	261	P	V
		5350.24	44.7	-9.3	54	36.68	31.3	10.16	33.44	195	261	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.	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)
802.11ac VHT40 CH 38 5190MHz		10380	52.41	-15.79	68.2	58.08	39.64	15.48	60.79	100	0	P	H
		15570	42.3	-31.7	74	45.48	38.01	19.35	60.54	100	0	P	H
													H
													H
		10380	46.27	-21.93	68.2	51.94	39.64	15.48	60.79	100	0	P	V
		15570	42.51	-31.49	74	45.69	38.01	19.35	60.54	100	0	P	V
													V
													V
802.11ac VHT40 CH 46 5230MHz		10460	65.7	-2.5	68.2	70.53	39.7	15.68	60.21	134	7	P	H
		15690	48.94	-25.06	74	49.33	37.8	19.64	57.83	100	0	P	H
													H
													H
		10460	56.38	-11.82	68.2	61.21	39.7	15.68	60.21	100	0	P	V
		15690	45.82	-28.18	74	46.21	37.8	19.64	57.83	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.	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)
802.11ac VHT80 CH 42 5210MHz		5141.44	60.78	-13.22	74	52.51	31.92	9.82	33.47	194	0	P	H
		5141.96	53.82	-0.18	54	45.55	31.92	9.82	33.47	194	0	A	H
	*	5210	102.1	-	-	94.01	31.64	9.91	33.46	194	0	P	H
	*	5210	94.12	-	-	86.03	31.64	9.91	33.46	194	0	A	H
		5439	50.32	-23.68	74	41.9	31.66	10.2	33.44	194	0	P	H
		5451.04	42.27	-11.73	54	33.78	31.7	10.22	33.43	194	0	A	H
		5150	60.84	-13.16	74	52.58	31.9	9.83	33.47	100	119	P	V
		5149.24	53.89	-0.11	54	45.63	31.9	9.83	33.47	100	119	A	V
	*	5210	102.6	-	-	94.51	31.64	9.91	33.46	100	119	P	V
	*	5210	93.88	-	-	85.79	31.64	9.91	33.46	100	119	A	V
		5374.04	49.33	-24.67	74	41.25	31.4	10.12	33.44	100	119	P	V
		5459.72	42.48	-11.52	54	33.94	31.74	10.23	33.43	100	119	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 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)
802.11ac VHT80 CH 42 5210MHz		10420	50.95	-17.25	68.2	56.6	39.7	15.5	60.85	100	0	P	H
		15630	42.74	-31.26	74	46.04	37.8	19.39	60.49	100	0	P	H
													H
													H
		10420	46.1	-22.1	68.2	51.75	39.7	15.5	60.85	100	0	P	V
		15630	42.7	-31.3	74	46	37.8	19.39	60.49	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		5114.24	52.73	-21.27	74	44.45	31.97	9.78	33.47	200	14	P	H
		5144.16	42.5	-11.5	54	34.24	31.91	9.82	33.47	200	14	A	H
	*	5260	112.93	-	-	105.03	31.38	9.97	33.45	200	14	P	H
	*	5260	105.29	-	-	97.39	31.38	9.97	33.45	200	14	A	H
		5353.2	54.11	-19.89	74	46.15	31.31	10.09	33.44	200	14	P	H
		5351.76	41.66	-12.34	54	33.7	31.31	10.09	33.44	200	14	A	H
		5143.48	52.79	-21.21	74	44.53	31.91	9.82	33.47	371	0	P	V
		5149.26	42.97	-11.03	54	34.71	31.9	9.83	33.47	371	0	A	V
	*	5260	114.92	-	-	107.02	31.38	9.97	33.45	371	0	P	V
	*	5260	107.25	-	-	99.35	31.38	9.97	33.45	371	0	A	V
		5356.56	49.75	-24.25	74	41.76	31.33	10.1	33.44	371	0	P	V
		5351.04	42.16	-11.84	54	34.21	31.3	10.09	33.44	371	0	A	V
802.11a CH 60 5300MHz		5098.94	52.62	-21.38	74	44.34	32	9.75	33.47	200	16	P	H
		5124.1	42.27	-11.73	54	34	31.95	9.79	33.47	200	16	A	H
	*	5300	110.24	-	-	102.37	31.3	10.02	33.45	200	16	P	H
	*	5300	102.62	-	-	94.75	31.3	10.02	33.45	200	16	A	H
		5354.64	60.92	-13.08	74	52.95	31.32	10.09	33.44	200	16	P	H
		5350.08	44.43	-9.57	54	36.48	31.3	10.09	33.44	200	16	A	H
		5141.1	52.12	-21.88	74	43.86	31.92	9.81	33.47	386	0	P	V
		5093.84	42.26	-11.74	54	34	31.98	9.75	33.47	386	0	A	V
	*	5300	111.33	-	-	103.46	31.3	10.02	33.45	386	0	P	V
	*	5300	104.46	-	-	96.59	31.3	10.02	33.45	386	0	A	V
		5350.56	66.47	-7.53	74	58.52	31.3	10.09	33.44	386	0	P	V
		5350.32	46.88	-7.12	54	38.93	31.3	10.09	33.44	386	0	A	V

802.11a CH 64 5320MHz	*	5320	109.46	-	-	101.56	31.3	10.05	33.45	200	12	P	H
	*	5320	102.17	-	-	94.27	31.3	10.05	33.45	200	12	A	H
		5353.6	61.93	-12.07	74	53.97	31.31	10.09	33.44	200	12	P	H
		5354.08	45.88	-8.12	54	37.91	31.32	10.09	33.44	200	12	A	H
													H
													H
	*	5320	110.89	-	-	102.99	31.3	10.05	33.45	382	360	P	V
	*	5320	103.53	-	-	95.63	31.3	10.05	33.45	382	360	A	V
		5350.24	70.02	-3.98	74	62.07	31.3	10.09	33.44	382	360	P	V
		5350.56	50.46	-3.54	54	42.51	31.3	10.09	33.44	382	360	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.	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 52 5260MHz		10520	67.73	-0.47	68.2	73.46	39.74	15.54	61.01	190	287	P	H
		15780	45.64	-28.36	74	48.89	37.64	19.49	60.38	100	0	P	H
													H
													H
		10520	59.8	-8.4	68.2	65.53	39.74	15.54	61.01	100	0	P	V
		15780	43.36	-30.64	74	46.61	37.64	19.49	60.38	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	63.71	-10.29	74	69.32	39.9	15.57	61.08	188	299	P	H
		10600	53.51	-0.49	54	59.12	39.9	15.57	61.08	188	299	A	H
		15900	40.47	-33.53	74	43.88	37.3	19.57	60.28	100	0	P	H
													H
		10600	58.17	-15.83	74	63.78	39.9	15.57	61.08	361	325	P	V
		10600	50.66	-3.34	54	56.27	39.9	15.57	61.08	361	325	A	V
		15900	42.05	-31.95	74	45.46	37.3	19.57	60.28	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	61.17	-12.83	74	66.84	39.86	15.58	61.11	187	298	P	H
		10640	53.2	-0.8	54	58.87	39.86	15.58	61.11	187	298	A	H
													H
													H
		15960	42.66	-31.34	74	45.93	37.36	19.6	60.23	100	0	P	V
		10640	57.91	-16.09	74	63.58	39.86	15.58	61.11	348	325	P	V
		10640	49.69	-4.31	54	55.36	39.86	15.58	61.11	348	325	A	V
		15960	43.39	-30.61	74	46.66	37.36	19.6	60.23	100	0	P	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.	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)
802.11ac VHT20 CH 52 5260MHz		5114.24	51.46	-22.54	74	43.18	31.97	9.78	33.47	206	18	P	H
		5144.5	42.31	-11.69	54	34.05	31.91	9.82	33.47	206	18	A	H
	*	5260	112.7	-	-	104.8	31.38	9.97	33.45	206	18	P	H
	*	5260	105.01	-	-	97.11	31.38	9.97	33.45	206	18	A	H
		5351.52	49.31	-24.69	74	41.35	31.31	10.09	33.44	206	18	P	H
		5459.28	41.69	-12.31	54	33.15	31.74	10.23	33.43	206	18	A	H
		5101.66	51.24	-22.76	74	42.95	32	9.76	33.47	370	0	P	V
		5105.74	42.87	-11.13	54	34.59	31.99	9.76	33.47	370	0	A	V
	*	5260	115.64	-	-	107.74	31.38	9.97	33.45	370	0	P	V
	*	5260	107.93	-	-	100.03	31.38	9.97	33.45	370	0	A	V
		5364.48	50.52	-23.48	74	42.49	31.36	10.11	33.44	370	0	P	V
		5352	42.26	-11.74	54	34.3	31.31	10.09	33.44	370	0	A	V
802.11ac VHT20 CH 60 5300MHz		5146.54	51.16	-22.84	74	42.9	31.91	9.82	33.47	189	5	P	H
		5083.98	42.32	-11.68	54	34.12	31.94	9.73	33.47	189	5	A	H
	*	5300	109.68	-	-	101.81	31.3	10.02	33.45	189	5	P	H
	*	5300	101.79	-	-	93.92	31.3	10.02	33.45	189	5	A	H
		5381.52	51.35	-22.65	74	43.23	31.43	10.13	33.44	189	5	P	H
		5350.32	44.86	-9.14	54	36.91	31.3	10.09	33.44	189	5	A	H
		5138.04	50	-24	74	41.74	31.92	9.81	33.47	368	0	P	V
		5144.84	42.42	-11.58	54	34.16	31.91	9.82	33.47	368	0	A	V
	*	5300	109.43	-	-	101.56	31.3	10.02	33.45	368	0	P	V
	*	5300	101.94	-	-	94.07	31.3	10.02	33.45	368	0	A	V
		5365.2	50.65	-23.35	74	42.62	31.36	10.11	33.44	368	0	P	V
		5350.08	44.86	-9.14	54	36.91	31.3	10.09	33.44	368	0	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	107.55	-	-	99.65	31.3	10.05	33.45	192	0	P	H
	*	5320	99.73	-	-	91.83	31.3	10.05	33.45	192	0	A	H
		5351.84	53.61	-20.39	74	45.65	31.31	10.09	33.44	192	0	P	H
		5350.24	46.99	-7.01	54	39.04	31.3	10.09	33.44	192	0	A	H
													H
													H
	*	5320	111.76	-	-	103.86	31.3	10.05	33.45	384	0	P	V
	*	5320	104.61	-	-	96.71	31.3	10.05	33.45	384	0	A	V
		5369.6	64.9	-9.1	74	56.85	31.38	10.11	33.44	384	0	P	V
		5351.36	49.95	-4.05	54	41.99	31.31	10.09	33.44	384	0	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.	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)
802.11ac VHT20 CH 52 5260MHz		10520	67.66	-0.54	68.2	73.39	39.74	15.54	61.01	187	299	P	H
		15780	40.96	-33.04	74	44.21	37.64	19.49	60.38	100	0	P	H
													H
													H
		10520	59.71	-8.49	68.2	65.44	39.74	15.54	61.01	100	0	P	V
		15780	42.36	-31.64	74	45.61	37.64	19.49	60.38	100	0	P	V
													V
													V
802.11ac VHT20 CH 60 5300MHz		10600	61.47	-12.53	74	67.08	39.9	15.57	61.08	191	299	P	H
		10600	52.31	-1.69	54	57.92	39.9	15.57	61.08	191	299	A	H
		15900	40.35	-33.65	74	43.76	37.3	19.57	60.28	100	0	P	H
													H
		10600	58.94	-15.06	74	64.55	39.9	15.57	61.08	369	320	P	V
		10600	49.51	-4.49	54	55.12	39.9	15.57	61.08	369	320	A	V
		15900	41.78	-32.22	74	45.19	37.3	19.57	60.28	100	0	P	V
													V
802.11ac VHT20 CH 64 5320MHz		10640	63.33	-10.67	74	69	39.86	15.58	61.11	187	299	P	H
		10640	53.62	-0.38	54	59.29	39.86	15.58	61.11	187	299	A	H
		15960	42.36	-31.64	74	45.63	37.36	19.6	60.23	100	0	P	H
													H
		10640	55.55	-18.45	74	61.22	39.86	15.58	61.11	400	37	P	V
		10640	45.15	-8.85	54	50.82	39.86	15.58	61.11	400	37	A	V
		15960	42.73	-31.27	74	46	37.36	19.6	60.23	100	0	P	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.	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)
802.11ac VHT40 CH 54 5270MHz		5126.48	55.52	-18.48	74	47.09	31.95	9.95	33.47	179	124	P	H
		5148.24	43.21	-10.79	54	34.8	31.9	9.98	33.47	179	124	A	H
	*	5270	114.33	-	-	106.32	31.36	10.1	33.45	179	124	P	H
	*	5270	104.2	-	-	96.19	31.36	10.1	33.45	179	124	A	H
		5350.32	63.71	-10.29	74	55.69	31.3	10.16	33.44	179	124	P	H
		5350.08	51.2	-2.8	54	43.18	31.3	10.16	33.44	179	124	A	H
		5146.54	55.77	-18.23	74	47.35	31.91	9.98	33.47	228	262	P	V
		5149.26	42.58	-11.42	54	34.17	31.9	9.98	33.47	228	262	A	V
	*	5270	115.29	-	-	107.28	31.36	10.1	33.45	228	262	P	V
	*	5270	104.94	-	-	96.93	31.36	10.1	33.45	228	262	A	V
		5353.92	64.2	-9.8	74	56.16	31.32	10.16	33.44	228	262	P	V
		5354.16	51.25	-2.75	54	43.21	31.32	10.16	33.44	228	262	A	V
802.11ac VHT40 CH 62 5310MHz		5111.52	51.53	-22.47	74	43.25	31.98	9.77	33.47	202	327	P	H
		5115.94	43.05	-10.95	54	34.77	31.97	9.78	33.47	202	327	A	H
	*	5310	104.52	-	-	96.63	31.3	10.04	33.45	202	327	P	H
	*	5310	97.58	-	-	89.69	31.3	10.04	33.45	202	327	A	H
		5351.04	57.63	-16.37	74	49.68	31.3	10.09	33.44	202	327	P	H
		5352.24	50.86	-3.14	54	42.9	31.31	10.09	33.44	202	327	A	H
		5046.58	53.19	-20.81	74	45.22	31.77	9.68	33.48	360	0	P	V
		5114.24	43.16	-10.84	54	34.88	31.97	9.78	33.47	360	0	A	V
	*	5310	107.1	-	-	99.21	31.3	10.04	33.45	360	0	P	V
	*	5310	99.68	-	-	91.79	31.3	10.04	33.45	360	0	A	V
		5351.76	64.79	-9.21	74	56.83	31.31	10.09	33.44	360	0	P	V
		5350.32	53.73	-0.27	54	45.78	31.3	10.09	33.44	360	0	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.	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)
802.11ac VHT40 CH 54 5270MHz		10540	66.93	-1.27	68.2	71.8	39.78	15.75	60.4	164	0	P	H
		15810	45.97	-28.03	74	46.38	37.57	19.69	57.67	100	0	P	H
													H
													H
		10540	55.22	-12.98	68.2	60.09	39.78	15.75	60.4	100	0	P	V
		15810	46.08	-27.92	74	46.49	37.57	19.69	57.67	100	0	P	V
													V
													V
802.11ac VHT40 CH 62 5310MHz		10620	56.01	-17.99	74	61.66	39.88	15.57	61.1	185	299	P	H
		10620	47.28	-6.72	54	52.93	39.88	15.57	61.1	185	299	A	H
		15930	41.73	-32.27	74	45.07	37.33	19.59	60.26	100	0	P	H
													H
		10620	49.5	-24.5	74	55.15	39.88	15.57	61.1	100	0	P	V
		15930	42.1	-31.9	74	45.44	37.33	19.59	60.26	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.	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)
802.11ac VHT80 CH 58 5290MHz		5037.06	52.89	-21.11	74	45.01	31.7	9.66	33.48	193	7	P	H
		5117.3	43.61	-10.39	54	35.33	31.97	9.78	33.47	193	7	A	H
	*	5290	101.6	-	-	93.72	31.32	10.01	33.45	193	7	P	H
	*	5290	93.45	-	-	85.57	31.32	10.01	33.45	193	7	A	H
		5352	54.7	-19.3	74	46.74	31.31	10.09	33.44	193	7	P	H
		5350.32	48.67	-5.33	54	40.72	31.3	10.09	33.44	193	7	A	H
		5145.18	57.36	-16.64	74	49.1	31.91	9.82	33.47	363	358	P	V
		5148.24	43.99	-10.01	54	35.74	31.9	9.82	33.47	363	358	A	V
	*	5290	102.83	-	-	94.95	31.32	10.01	33.45	363	358	P	V
	*	5290	94.85	-	-	86.97	31.32	10.01	33.45	363	358	A	V
		5350.32	60.27	-13.73	74	52.32	31.3	10.09	33.44	363	358	P	V
		5351.76	53.21	-0.79	54	45.25	31.31	10.09	33.44	363	358	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.	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)
802.11ac VHT80 CH 58 5290MHz		10580	47.43	-20.77	68.2	53.08	39.86	15.56	61.07	100	0	P	H
		15870	41.8	-32.2	74	45.16	37.39	19.55	60.3	100	0	P	H
													H
													H
		10580	45.54	-22.66	68.2	51.19	39.86	15.56	61.07	100	0	P	V
		15870	41.16	-32.84	74	44.52	37.39	19.55	60.3	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		5460.08	58.64	-9.56	68.2	50.1	31.74	10.23	33.43	204	0	P	H
		5469.84	63.94	-4.26	68.2	55.34	31.78	10.25	33.43	204	0	P	H
		5459.44	51.51	-2.49	54	42.97	31.74	10.23	33.43	204	0	A	H
	*	5500	110.24	-	-	101.48	31.9	10.29	33.43	204	0	P	H
	*	5500	102.9	-	-	94.14	31.9	10.29	33.43	204	0	A	H
													H
		5456.72	57.45	-16.55	74	48.92	31.73	10.23	33.43	100	146	P	V
		5466	64.04	-4.16	68.2	55.47	31.76	10.24	33.43	100	146	P	V
		5457.36	51.51	-2.49	54	42.98	31.73	10.23	33.43	100	146	A	V
	*	5500	113.27	-	-	104.51	31.9	10.29	33.43	100	146	P	V
	*	5500	105.23	-	-	96.47	31.9	10.29	33.43	100	146	A	V
													V
802.11a CH 116 5580MHz		5399.2	49.13	-24.87	74	40.92	31.5	10.15	33.44	188	0	P	H
		5469.76	47.98	-20.22	68.2	39.38	31.78	10.25	33.43	188	0	P	H
		5458.72	39.79	-14.21	54	31.26	31.73	10.23	33.43	188	0	A	H
	*	5580	111.29	-	-	102.53	31.8	10.4	33.44	188	0	P	H
	*	5580	103.57	-	-	94.81	31.8	10.4	33.44	188	0	A	H
		5764.685	49.54	-18.66	68.2	40.36	32.13	10.52	33.47	188	0	P	H
		5417.92	47.97	-26.03	74	39.66	31.57	10.18	33.44	100	149	P	V
		5468.08	48.48	-19.72	68.2	39.89	31.77	10.25	33.43	100	149	P	V
		5452.24	39.73	-14.27	54	31.23	31.71	10.22	33.43	100	149	A	V
	*	5580	112.54	-	-	103.78	31.8	10.4	33.44	100	149	P	V
	*	5580	105.44	-	-	96.68	31.8	10.4	33.44	100	149	A	V
		5734.445	50	-18.2	68.2	40.89	32.07	10.5	33.46	100	149	P	V

802.11a CH 140 5700MHz	*	5700	111.64	-	-	102.61	32	10.49	33.46	198	0	P	H
	*	5700	103.98	-	-	94.95	32	10.49	33.46	198	0	A	H
		5728.44	64.98	-3.22	68.2	55.88	32.06	10.5	33.46	198	0	P	H
													H
													H
													H
	*	5700	112.16	-	-	103.13	32	10.49	33.46	100	155	P	V
	*	5700	104.42	-	-	95.39	32	10.49	33.46	100	155	A	V
		5725.4	63.6	-4.6	68.2	54.51	32.05	10.5	33.46	100	155	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.	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 100 5500MHz		11000	62.48	-11.52	74	67.96	40.2	15.72	61.4	100	311	P	H
		11000	53.33	-0.67	54	58.81	40.2	15.72	61.4	100	311	A	H
		16500	46.75	-21.45	68.2	46.65	39.4	20.2	59.5	100	0	P	H
													H
		11000	60.56	-13.44	74	66.04	40.2	15.72	61.4	112	308	P	V
		11000	50.78	-3.22	54	56.26	40.2	15.72	61.4	112	308	A	V
		16500	44.11	-24.09	68.2	44.01	39.4	20.2	59.5	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	56.24	-17.76	74	62.14	39.62	15.88	61.4	200	338	P	H
		11160	46.55	-7.45	54	52.45	39.62	15.88	61.4	200	338	A	H
		16740	49.88	-18.32	68.2	47.94	40.4	20.46	58.92	100	0	P	H
													H
		11160	56.06	-17.94	74	61.96	39.62	15.88	61.4	300	335	P	V
		11160	45.84	-8.16	54	51.74	39.62	15.88	61.4	300	335	A	V
		16740	47.58	-20.62	68.2	45.64	40.4	20.46	58.92	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	58.47	-15.53	74	64.14	39.6	16.13	61.4	233	289	P	H
		11400	49.28	-4.72	54	54.95	39.6	16.13	61.4	233	289	A	H
		17100	49.07	-19.13	68.2	45.7	40.5	20.83	57.96	100	0	P	H
													H
		11400	56.23	-17.77	74	61.9	39.6	16.13	61.4	254	339	P	V
		11400	47.65	-6.35	54	53.32	39.6	16.13	61.4	254	339	A	V
		17100	48.32	-19.88	68.2	44.95	40.5	20.83	57.96	100	0	P	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.	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)
802.11ac VHT20 CH 100 5500MHz		5451.92	57.39	-16.61	74	48.89	31.71	10.22	33.43	202	0	P	H
		5463.28	58.38	-9.82	68.2	49.82	31.75	10.24	33.43	202	0	P	H
		5459.28	43.56	-10.44	54	35.02	31.74	10.23	33.43	202	0	A	H
	*	5500	105.83	-	-	97.07	31.9	10.29	33.43	202	0	P	H
	*	5500	98.45	-	-	89.69	31.9	10.29	33.43	202	0	A	H
													H
		5448.08	62.24	-11.76	74	53.77	31.69	10.22	33.44	104	137	P	V
		5463.92	54.44	-13.76	68.2	45.87	31.76	10.24	33.43	104	137	P	V
		5459.92	46.04	-7.96	54	37.5	31.74	10.23	33.43	104	137	A	V
	*	5500	109.71	-	-	100.95	31.9	10.29	33.43	104	137	P	V
	*	5500	102.1	-	-	93.34	31.9	10.29	33.43	104	137	A	V
													V
802.11ac VHT20 CH 116 5580MHz		5443.36	49.44	-24.56	74	41	31.67	10.21	33.44	195	0	P	H
		5460.4	48.39	-19.81	68.2	39.85	31.74	10.23	33.43	195	0	P	H
		5459.68	41.56	-12.44	54	33.02	31.74	10.23	33.43	195	0	A	H
	*	5580	109.87	-	-	101.11	31.8	10.4	33.44	195	0	P	H
	*	5580	102.63	-	-	93.87	31.8	10.4	33.44	195	0	A	H
		5755.865	50.21	-17.99	68.2	41.05	32.11	10.52	33.47	195	0	P	H
		5394.64	50.45	-23.55	74	42.27	31.48	10.14	33.44	100	139	P	V
		5462.8	49.36	-18.84	68.2	40.8	31.75	10.24	33.43	100	139	P	V
		5453.92	41.6	-12.4	54	33.08	31.72	10.23	33.43	100	139	A	V
	*	5580	113.84	-	-	105.08	31.8	10.4	33.44	100	139	P	V
	*	5580	106.43	-	-	97.67	31.8	10.4	33.44	100	139	A	V
		5758.7	50.56	-17.64	68.2	41.39	32.12	10.52	33.47	100	139	P	V

802.11ac VHT20 CH 140 5700MHz	*	5700	112.61	-	-	103.58	32	10.49	33.46	179	0	P	H
	*	5700	105.32	-	-	96.29	32	10.49	33.46	179	0	A	H
		5732.84	65.35	-2.85	68.2	56.24	32.07	10.5	33.46	179	0	P	H
													H
													H
													H
	*	5700	113.28	-	-	104.25	32	10.49	33.46	400	13	P	V
	*	5700	105.49	-	-	96.46	32	10.49	33.46	400	13	A	V
		5729	63.62	-4.58	68.2	54.52	32.06	10.5	33.46	400	13	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.	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)
802.11ac VHT20 CH 100 5500MHz		11000	62.88	-11.12	74	68.36	40.2	15.72	61.4	183	300	P	H
		11000	53.2	-0.8	54	58.68	40.2	15.72	61.4	183	300	A	H
		16500	43.55	-24.65	68.2	43.45	39.4	20.2	59.5	100	0	P	H
													H
		11000	59.71	-14.29	74	65.19	40.2	15.72	61.4	246	334	P	V
		11000	49.3	-4.7	54	54.78	40.2	15.72	61.4	246	334	A	V
		16500	43.77	-24.43	68.2	43.67	39.4	20.2	59.5	100	0	P	V
													V
802.11ac VHT20 CH 116 5580MHz		11160	55.08	-18.92	74	60.98	39.62	15.88	61.4	200	340	P	H
		11160	45.37	-8.63	54	51.27	39.62	15.88	61.4	200	340	A	H
		16740	47.66	-20.54	68.2	45.72	40.4	20.46	58.92	100	0	P	H
													H
		11160	53.27	-20.73	74	59.17	39.62	15.88	61.4	291	334	P	V
		11160	44.27	-9.73	54	50.17	39.62	15.88	61.4	291	334	A	V
		16740	47.01	-21.19	68.2	45.07	40.4	20.46	58.92	100	0	P	V
													V
802.11ac VHT20 CH 140 5700MHz		11400	55.14	-18.86	74	60.81	39.6	16.13	61.4	186	338	P	H
		11400	47.34	-6.66	54	53.01	39.6	16.13	61.4	186	338	A	H
		17100	49.54	-18.66	68.2	46.17	40.5	20.83	57.96	100	0	P	H
													H
		11400	54.74	-19.26	74	60.41	39.6	16.13	61.4	266	337	P	V
		11400	47.33	-6.67	54	53	39.6	16.13	61.4	266	337	A	V
		17100	48.73	-19.47	68.2	45.36	40.5	20.83	57.96	100	0	P	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.	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)
802.11ac VHT40 CH 102 5510MHz		5459.44	56.93	-17.07	74	48.39	31.74	10.23	33.43	209	321	P	H
		5466.64	60.46	-7.74	68.2	51.88	31.77	10.24	33.43	209	321	P	H
		5459.44	50.53	-3.47	54	41.99	31.74	10.23	33.43	209	321	A	H
	*	5510	103.74	-	-	94.99	31.88	10.3	33.43	209	321	P	H
	*	5510	97.22	-	-	88.47	31.88	10.3	33.43	209	321	A	H
		5728.46	50	-18.2	68.2	40.9	32.06	10.5	33.46	209	321	P	H
		5459.2	59.55	-14.45	74	51.01	31.74	10.23	33.43	391	12	P	V
		5466.4	65.02	-3.18	68.2	56.44	31.77	10.24	33.43	391	12	P	V
		5459.68	52.21	-1.79	54	43.67	31.74	10.23	33.43	391	12	A	V
	*	5510	105.98	-	-	97.23	31.88	10.3	33.43	391	12	P	V
	*	5510	99.56	-	-	90.81	31.88	10.3	33.43	391	12	A	V
		5747.36	52.54	-15.66	68.2	43.4	32.09	10.51	33.46	391	12	P	V
802.11ac VHT40 CH 110 5550MHz		5454.64	54.39	-19.61	74	45.87	31.72	10.23	33.43	199	357	P	H
		5466.16	57.21	-10.99	68.2	48.64	31.76	10.24	33.43	199	357	P	H
		5459.68	48.95	-5.05	54	40.41	31.74	10.23	33.43	199	357	A	H
	*	5550	107.77	-	-	99.05	31.8	10.36	33.44	199	357	P	H
	*	5550	101.17	-	-	92.45	31.8	10.36	33.44	199	357	A	H
		5748.305	51.78	-16.42	68.2	42.63	32.1	10.51	33.46	199	357	P	H
		5453.92	59.36	-14.64	74	50.84	31.72	10.23	33.43	400	13	P	V
		5468.8	61.47	-6.73	68.2	52.87	31.78	10.25	33.43	400	13	P	V
		5458.48	52.08	-1.92	54	43.55	31.73	10.23	33.43	400	13	A	V
	*	5550	109.86	-	-	101.14	31.8	10.36	33.44	400	13	P	V
	*	5550	103.6	-	-	94.88	31.8	10.36	33.44	400	13	A	V
		5754.29	51.58	-16.62	68.2	42.43	32.11	10.51	33.47	400	13	P	V

802.11ac VHT40 CH 134 5670MHz		5426.3	49.18	-24.82	74	40.82	31.61	10.19	33.44	187	359	P	H
		5460.6	47.89	-20.31	68.2	39.35	31.74	10.23	33.43	187	359	P	H
		5440.3	42.15	-11.85	54	33.72	31.66	10.21	33.44	187	359	A	H
	*	5670	108.85	-	-	100.01	31.82	10.47	33.45	187	359	P	H
	*	5670	102.36	-	-	93.52	31.82	10.47	33.45	187	359	A	H
		5730.875	58.95	-9.25	68.2	49.85	32.06	10.5	33.46	187	359	P	H
		5386.05	48.88	-25.12	74	40.75	31.44	10.13	33.44	400	13	P	V
		5464.1	47.42	-20.78	68.2	38.85	31.76	10.24	33.43	400	13	P	V
		5454.3	42.45	-11.55	54	33.93	31.72	10.23	33.43	400	13	A	V
	*	5670	109.8	-	-	100.96	31.82	10.47	33.45	400	13	P	V
	*	5670	102.57	-	-	93.73	31.82	10.47	33.45	400	13	A	V
		5725.625	58.58	-9.62	68.2	49.49	32.05	10.5	33.46	400	13	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.	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)
802.11ac VHT40 CH 102 5510MHz		11020	57.44	-16.56	74	62.98	40.12	15.74	61.4	186	295	P	H
		11020	47.72	-6.28	54	53.26	40.12	15.74	61.4	186	295	A	H
		16530	45.26	-22.94	68.2	45.05	39.4	20.23	59.42	100	0	P	H
													H
		11020	54.67	-19.33	74	60.21	40.12	15.74	61.4	246	333	P	V
		11020	46.86	-7.14	54	52.4	40.12	15.74	61.4	246	333	A	V
		16530	44.49	-23.71	68.2	44.28	39.4	20.23	59.42	100	0	P	V
													V
802.11ac VHT40 CH 110 5550MHz		11100	58.27	-15.73	74	64.05	39.8	15.82	61.4	182	299	P	H
		11100	48.53	-5.47	54	54.31	39.8	15.82	61.4	182	299	A	H
		16650	46.12	-22.08	68.2	45.09	39.8	20.36	59.13	100	0	P	H
													H
		11100	54.2	-19.8	74	59.98	39.8	15.82	61.4	292	333	P	V
		11100	44.84	-9.16	54	50.62	39.8	15.82	61.4	292	333	A	V
		16650	45.51	-22.69	68.2	44.48	39.8	20.36	59.13	100	0	P	V
													V
802.11ac VHT40 CH 134 5670MHz		11340	53.43	-20.57	74	59.22	39.54	16.07	61.4	175	287	P	H
		11340	44.17	-9.83	54	49.96	39.54	16.07	61.4	175	287	A	H
		17010	46.36	-21.84	68.2	43.34	40.5	20.76	58.24	100	0	P	H
													H
		11340	49.28	-24.72	74	55.07	39.54	16.07	61.4	100	0	P	V
		17010	46.35	-21.85	68.2	43.33	40.5	20.76	58.24	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.	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)
802.11ac VHT80 CH 106 5530MHz		5459.68	58.07	-15.93	74	49.53	31.74	10.23	33.43	210	306	P	H
		5463.04	61.21	-6.99	68.2	52.65	31.75	10.24	33.43	210	306	P	H
		5459.68	53.06	-0.94	54	44.52	31.74	10.23	33.43	210	306	A	H
	*	5530	100.02	-	-	91.28	31.84	10.33	33.43	210	306	P	H
	*	5530	93.66	-	-	84.92	31.84	10.33	33.43	210	306	A	H
		5747.36	53.96	-14.24	68.2	44.82	32.09	10.51	33.46	210	306	P	H
		5459.68	59.18	-14.82	74	50.64	31.74	10.23	33.43	400	12	P	V
		5470	64.72	-3.48	68.2	56.12	31.78	10.25	33.43	400	12	P	V
		5459.92	53.1	-0.9	54	44.56	31.74	10.23	33.43	400	12	A	V
	*	5530	102.49	-	-	93.75	31.84	10.33	33.43	400	12	P	V
	*	5530	96.46	-	-	87.72	31.84	10.33	33.43	400	12	A	V
		5728.46	50.82	-17.38	68.2	41.72	32.06	10.5	33.46	400	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.	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)
802.11ac VHT80 CH 106 5530MHz		11060	48.17	-25.83	74	53.83	39.96	15.78	61.4	100	0	P	H
		16590	44.94	-23.26	68.2	44.54	39.4	20.29	59.29	100	0	P	H
													H
													H
		11060	45.74	-28.26	74	51.4	39.96	15.78	61.4	100	0	P	V
		16590	45.22	-22.98	68.2	44.82	39.4	20.29	59.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac VHT20 (LF @ 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 LF		30.27	24.25	-15.75	40	29.16	24.57	0.7	30.18	-	-	P	H
		142.32	18.91	-24.59	43.5	30.45	17.14	1.7	30.38	-	-	P	H
		240.06	25.07	-20.93	46	35.75	17.3	2.27	30.25	-	-	P	H
		514.9	28.45	-17.55	46	31.12	23.92	3.17	29.76	-	-	P	H
		789.3	33.3	-12.7	46	30.72	27.96	3.94	29.32	100	0	P	H
		971.3	38.46	-15.54	54	32.11	30.82	4.46	28.93	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	29.54	-10.46	40	34.45	24.57	0.7	30.18	100	0	P	V
		133.95	26.28	-17.22	43.5	37.81	17.22	1.64	30.39	-	-	P	V
		291.63	23.19	-22.81	46	31.88	19.03	2.44	30.16	-	-	P	V
		359.5	26.49	-19.51	46	33.25	20.61	2.67	30.04	-	-	P	V
		806.1	33.24	-12.76	46	30.79	27.74	3.99	29.28	-	-	P	V
		965.7	36.7	-17.3	54	30.32	30.88	4.45	28.95	-	-	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 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)
802.11b 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 C. Radiated Spurious Emission Plots

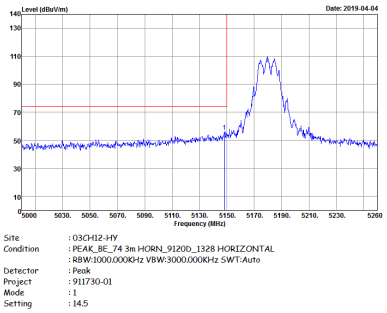
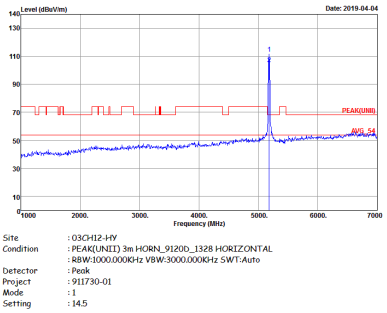
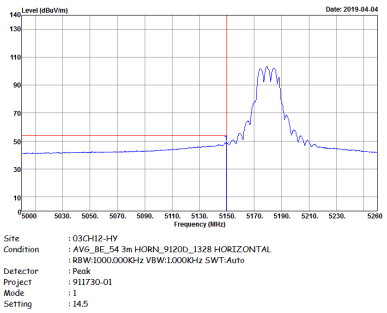
Test Engineer :	Jack Cheng , Lance Chiang and Chuan Chu	**Temperature :**	22~24°C
		Relative Humidity :	56~60%

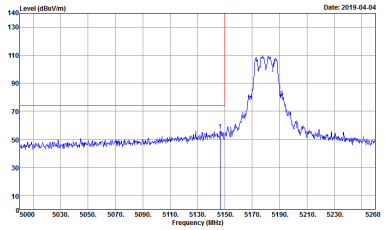
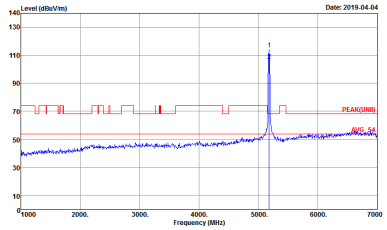
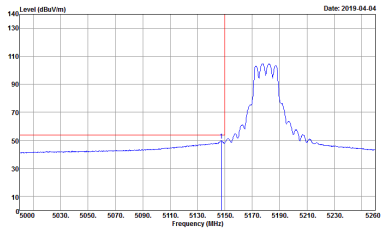
Note symbol

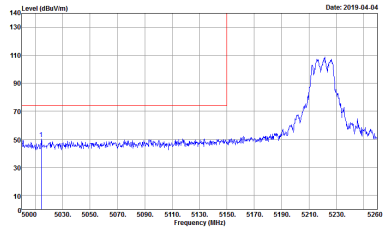
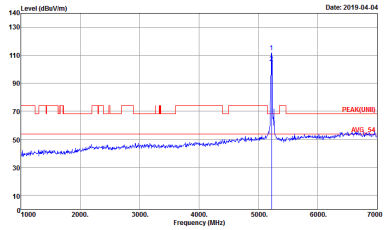
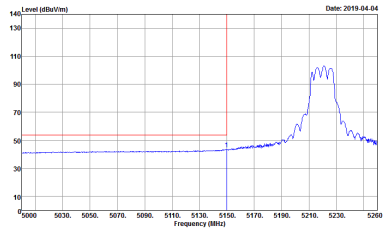
-L	**Low channel location**
-R	**High channel location**

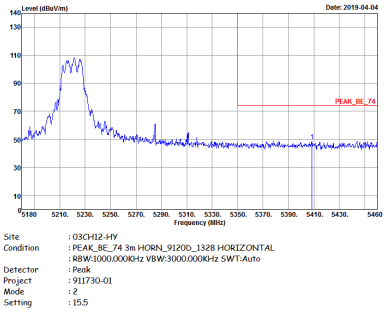
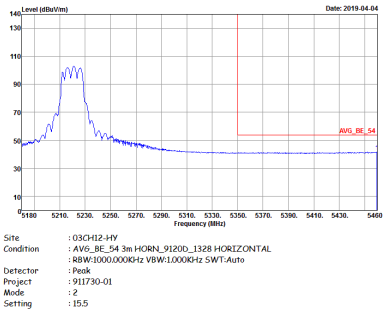
Band 1 - 5150~5250MHz

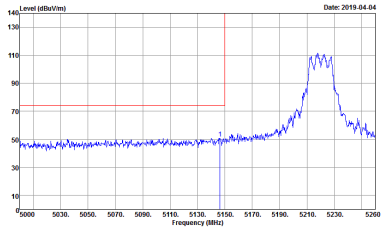
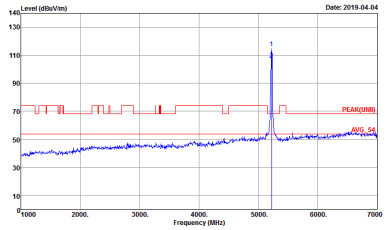
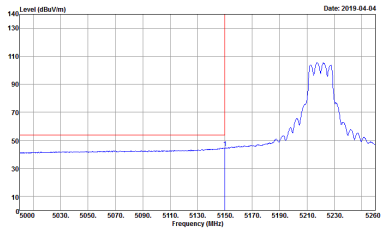
WIFI 802.11a (Band Edge @ 3m)

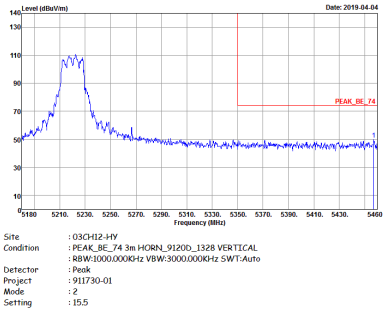
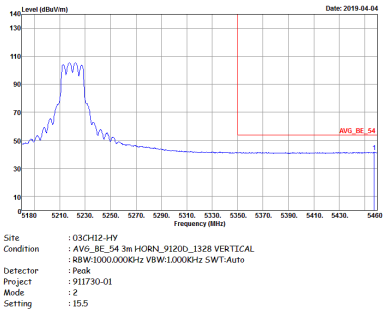
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

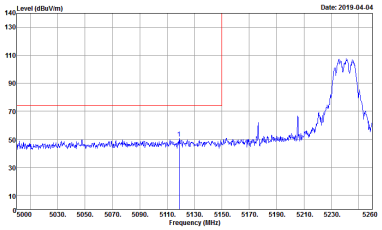
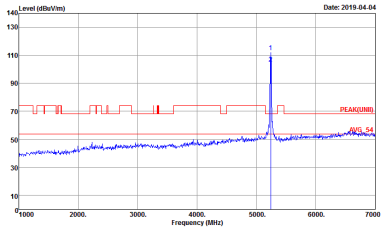
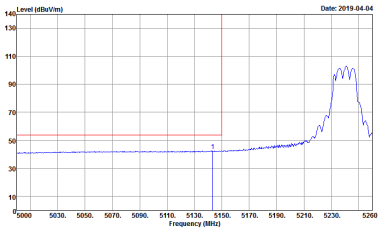
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 1 Setting : 14.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 1 Setting : 14.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 1 Setting : 14.5	Left blank

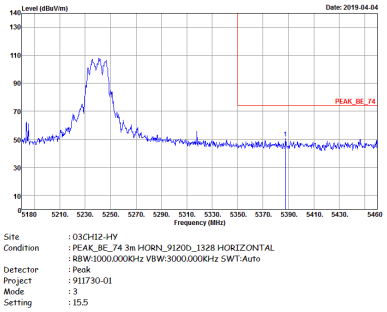
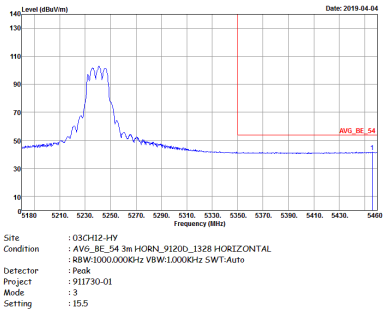
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 2 Setting : 15.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 2 Setting : 15.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 2 Setting : 15.5	Left blank

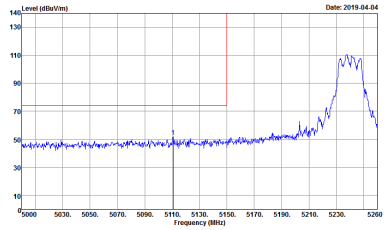
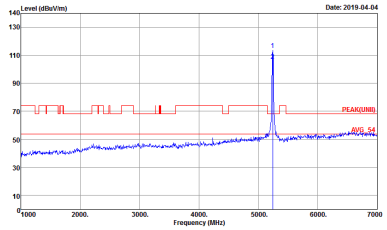
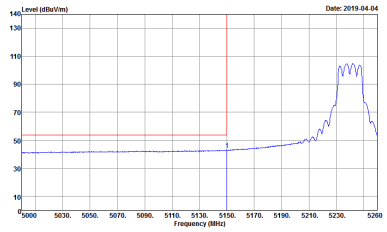
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

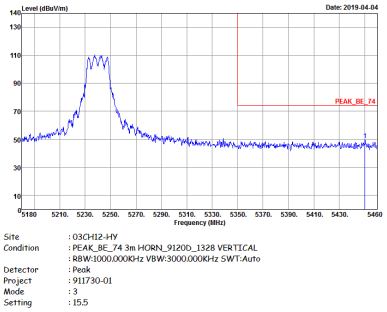
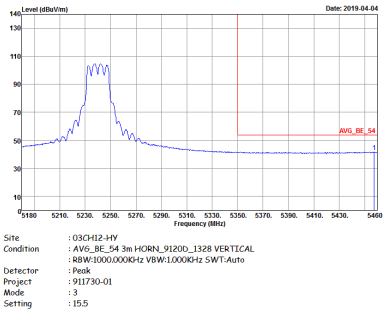
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 2 Setting : 15.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 2 Setting : 15.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 2 Setting : 15.5	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	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 3 Setting : 15.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 3 Setting : 15.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 3 Setting : 15.5	Left blank

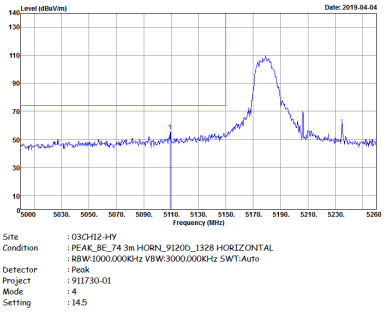
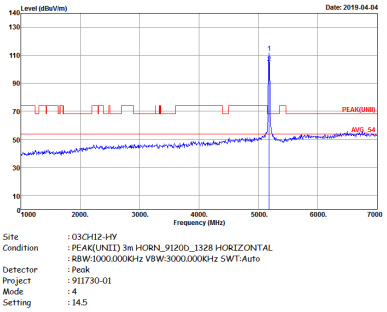
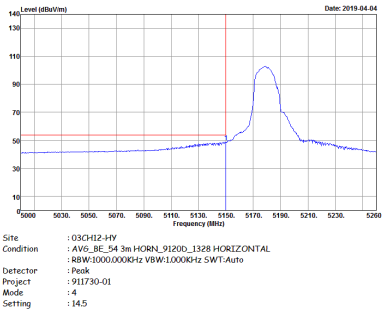
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

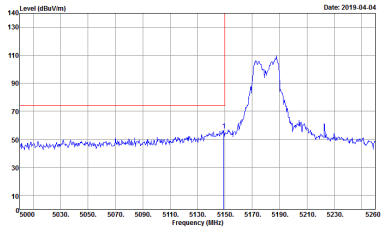
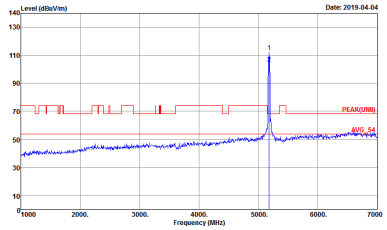
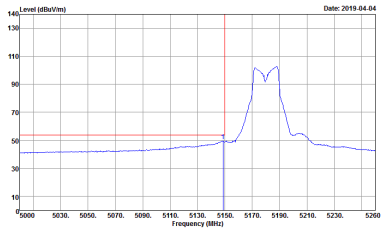
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 3 Setting : 15.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 3 Setting : 15.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 3 Setting : 15.5	Left blank

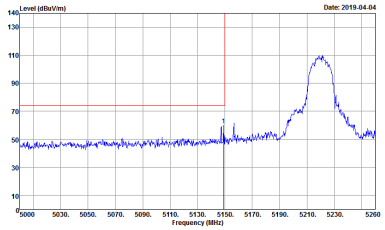
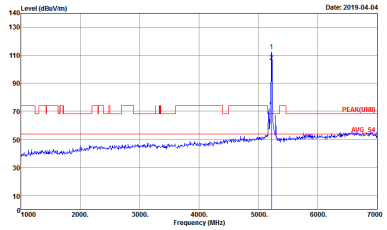
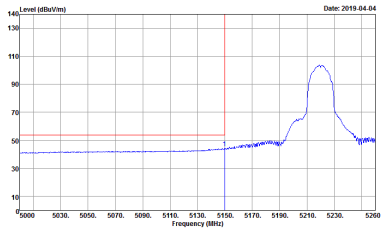
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

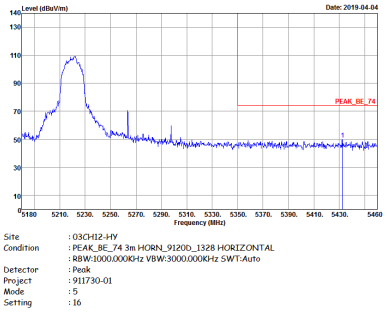
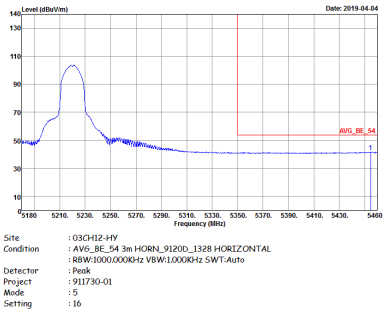
Band 1 5150~5250MHz

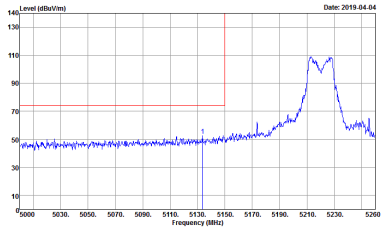
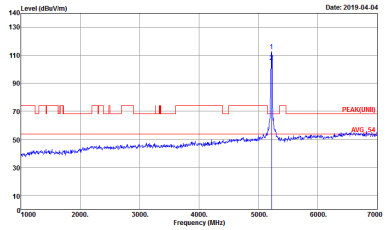
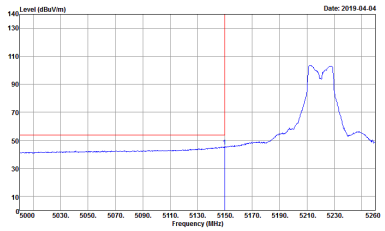
WIFI 802.11ac VHT20 (Band Edge @ 3m)

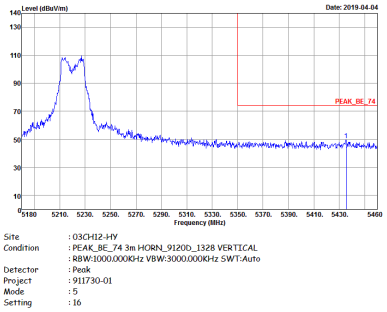
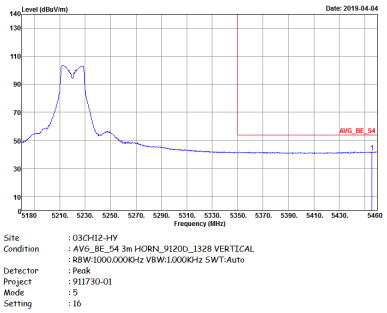
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

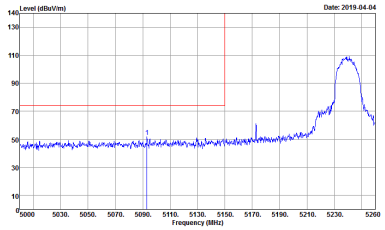
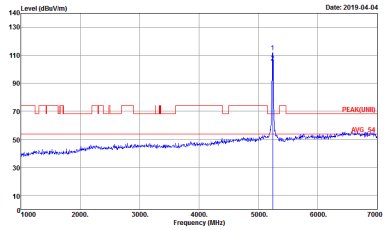
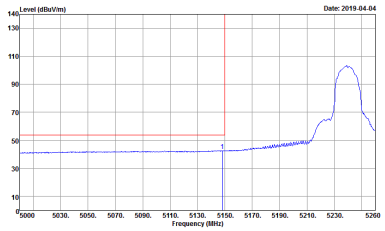
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 4 Setting : 14.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 4 Setting : 14.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 4 Setting : 14.5	Left blank

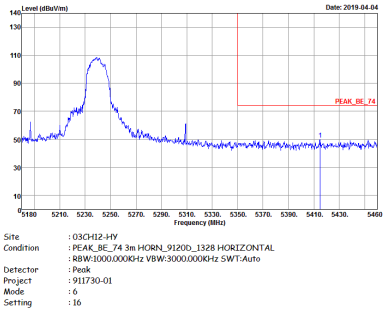
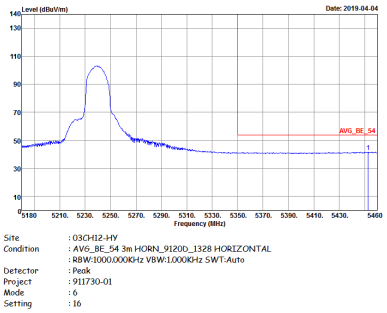
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 5 Setting : 16	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 5 Setting : 16
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 5 Setting : 16	Left blank

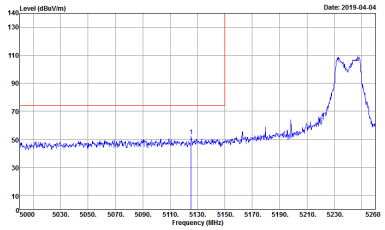
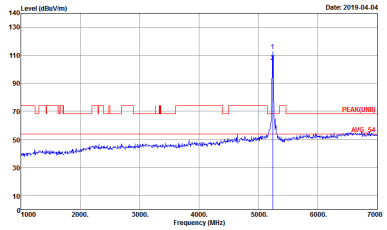
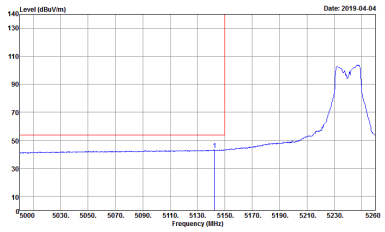
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

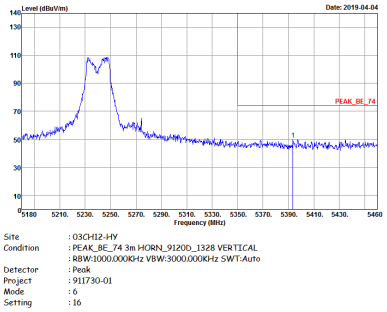
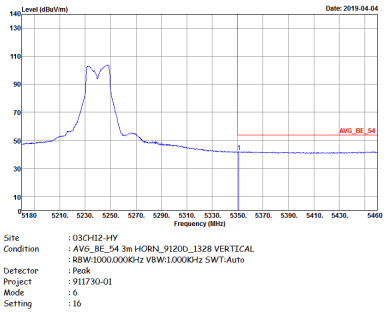
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 5 Setting : 16	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 5 Setting : 16
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 5 Setting : 16	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	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 6 Setting : 16	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 6 Setting : 16
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 6 Setting : 16	Left blank

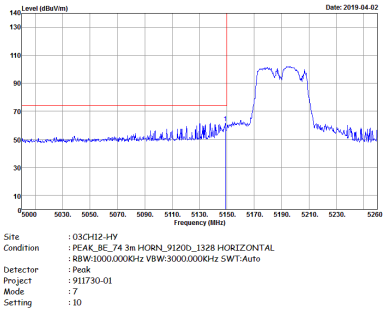
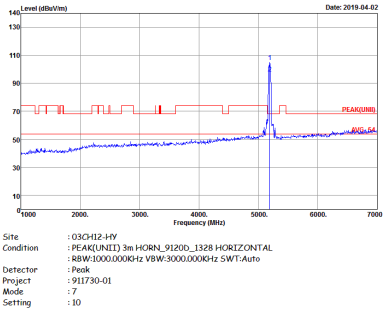
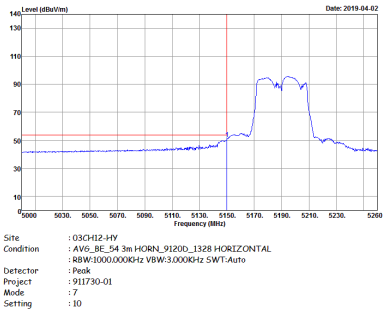
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

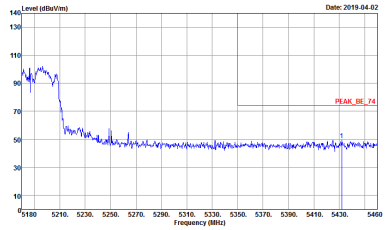
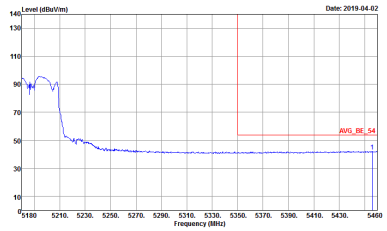
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 6 Setting : 16	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 6 Setting : 16
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 6 Setting : 16	Left blank

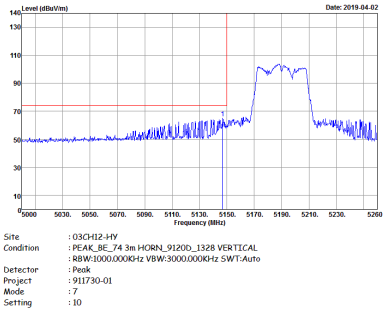
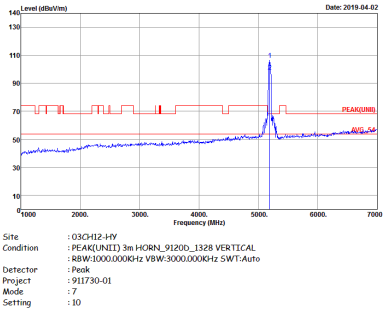
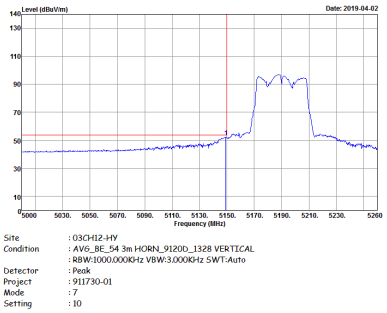
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

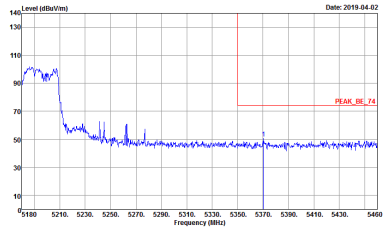
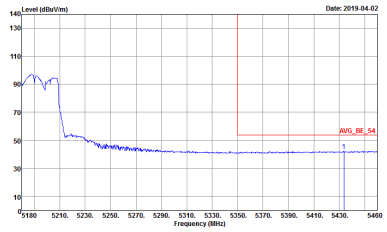
Band 1 5150~5250MHz

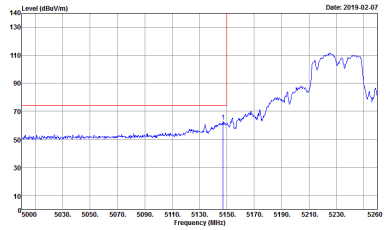
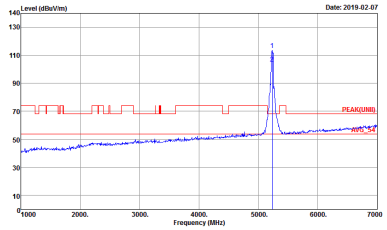
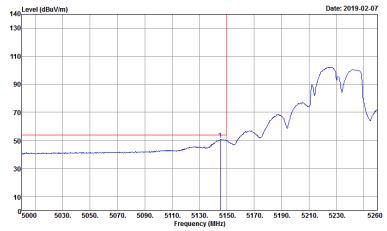
WIFI 802.11ac VHT40 (Band Edge @ 3m)

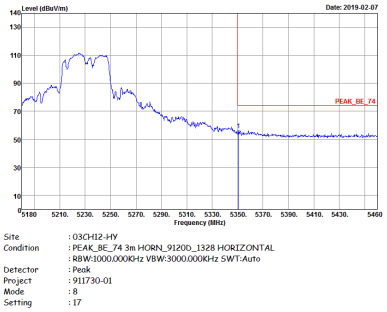
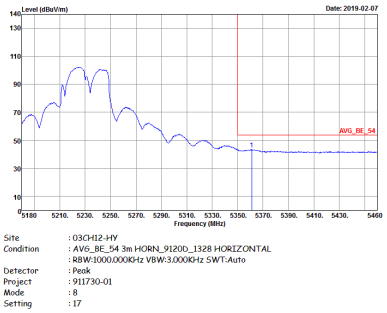
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

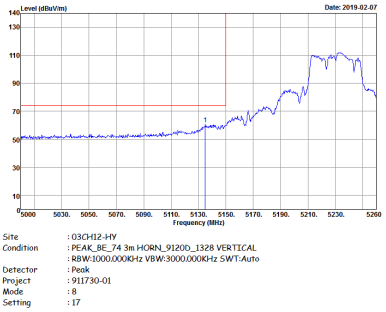
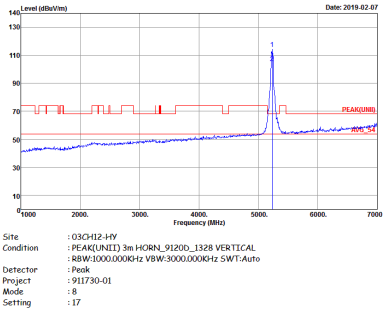
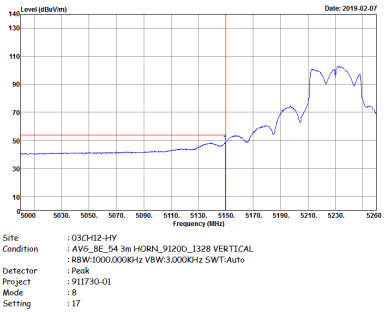
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 7 Setting : 10	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 7 Setting : 10	Left blank

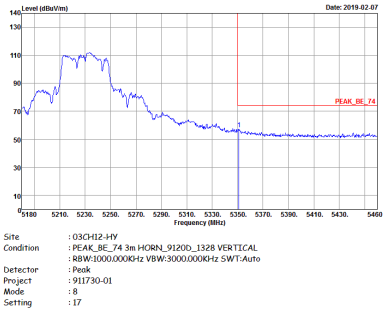
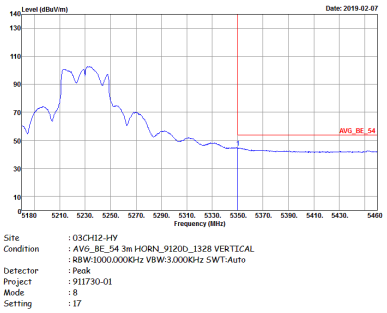
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 7 Setting : 10	Left blank
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 7 Setting : 10	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 8 Setting : 17	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 8 Setting : 17
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 8 Setting : 17	Left blank

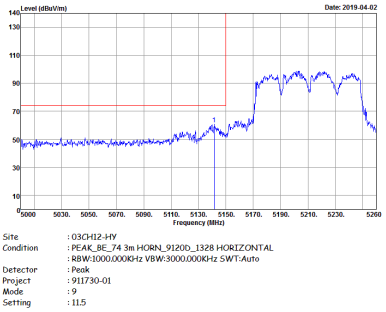
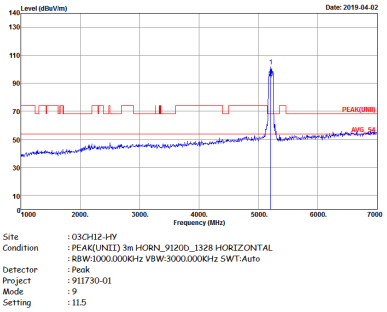
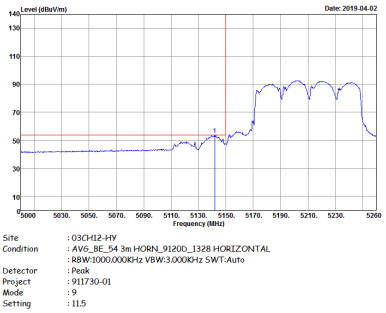
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

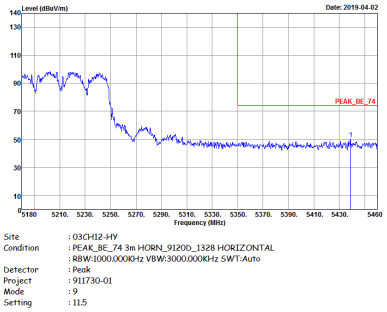
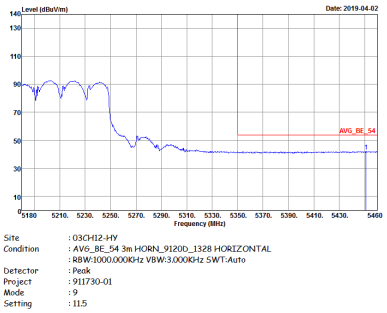
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

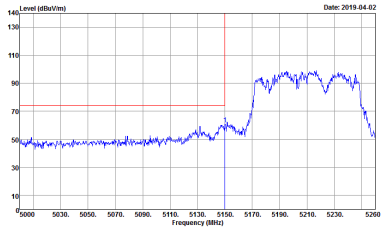
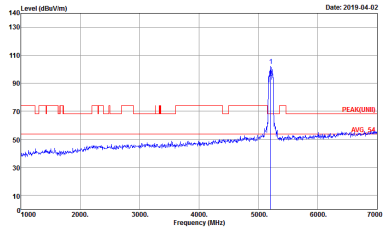
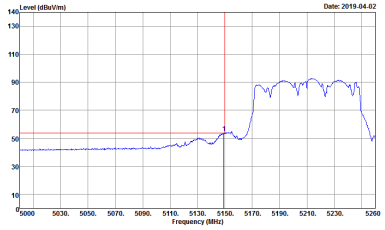
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

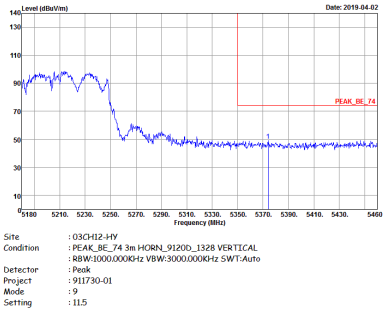
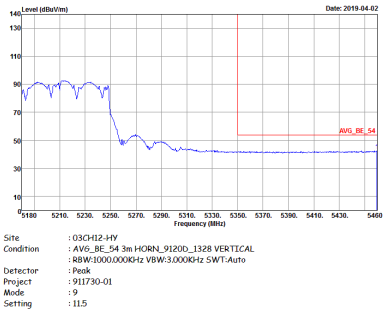
Band 1 5150~5250MHz

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

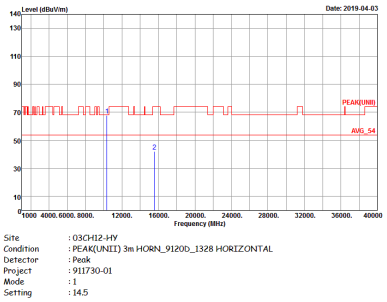
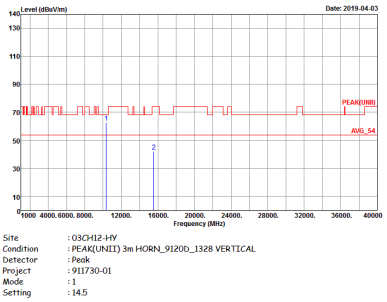
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

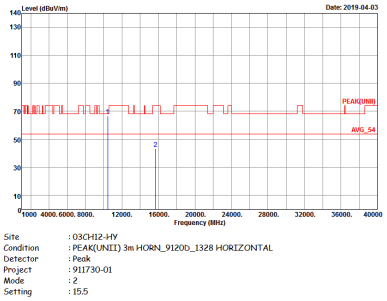
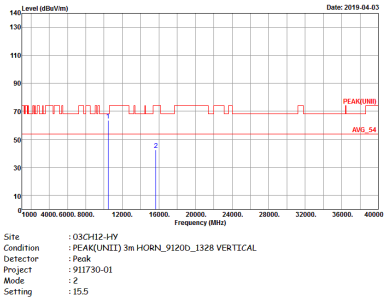
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 9 Setting : 11.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 9 Setting : 11.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 9 Setting : 11.5	Left blank

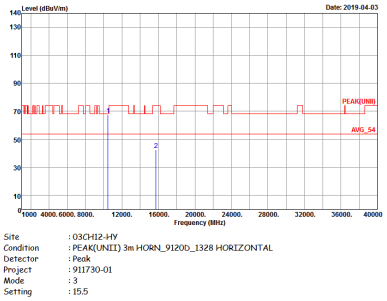
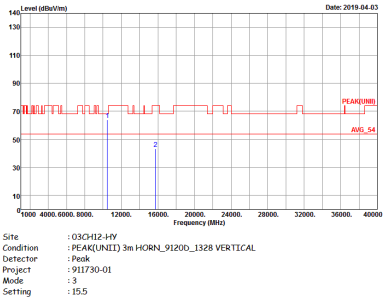
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

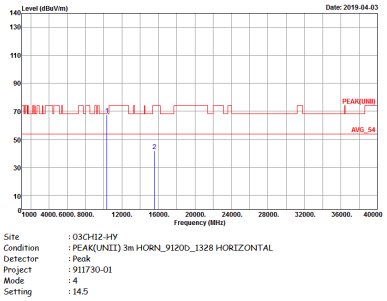
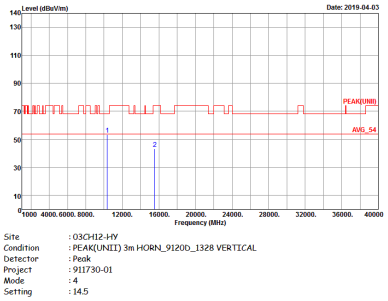
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

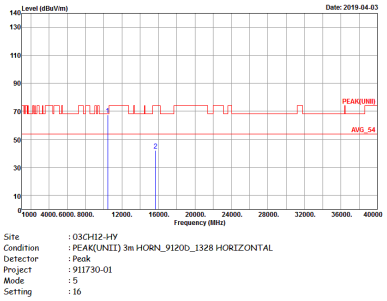
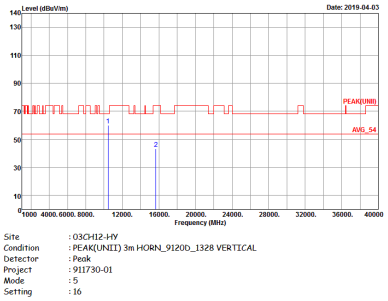
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

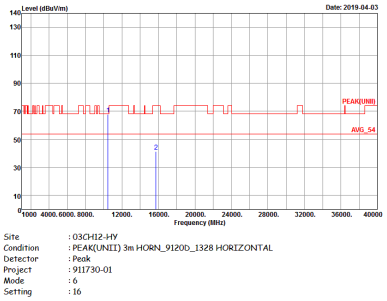
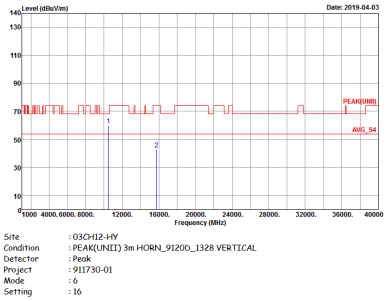
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

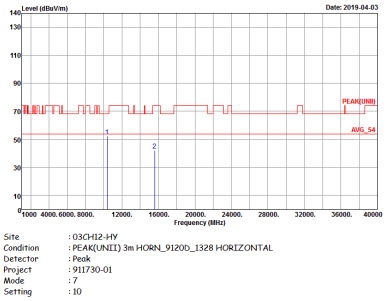
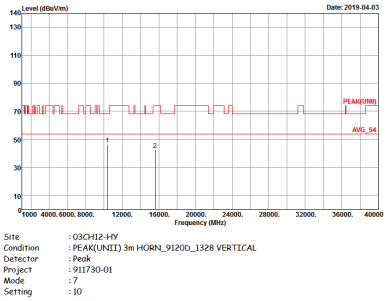
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

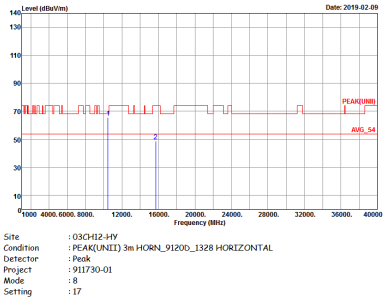
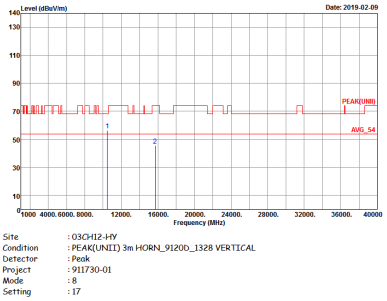
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 911730-01 Mode : 5 Setting : 16	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 911730-01 Mode : 5 Setting : 16

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

Band 1 5150~5250MHz

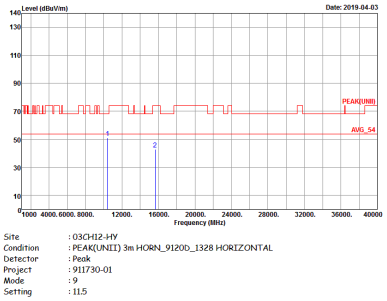
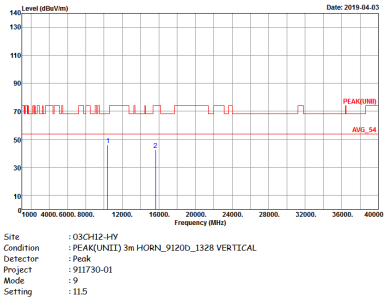
WIFI 802.11ac VHT40 (Harmonic @ 3m)

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.	 	

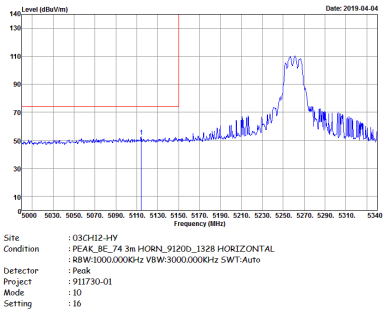
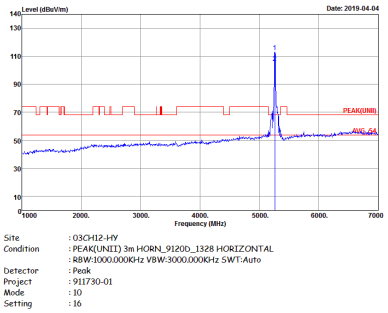
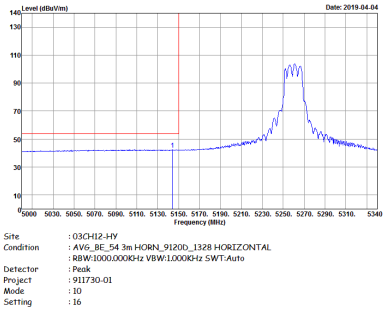
Band 1 5150~5250MHz

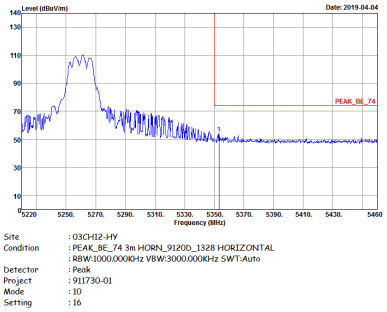
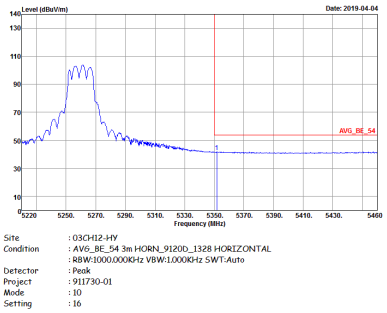
WIFI 802.11ac VHT80 (Harmonic @ 3m)

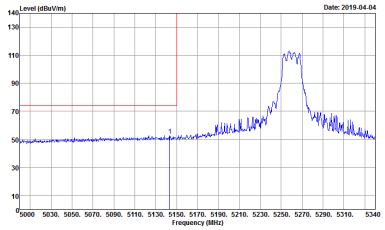
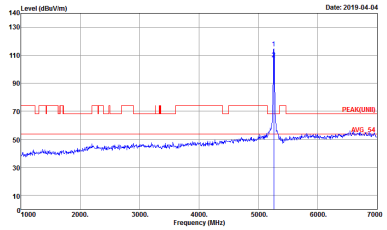
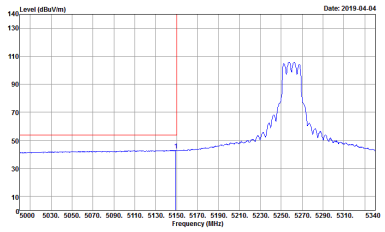
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	 	

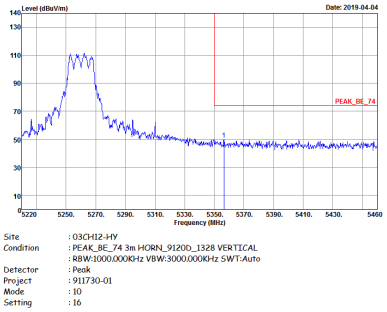
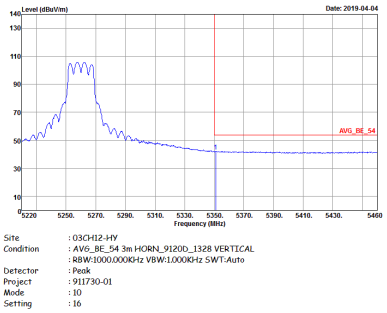
Band 2 - 5250~5350MHz

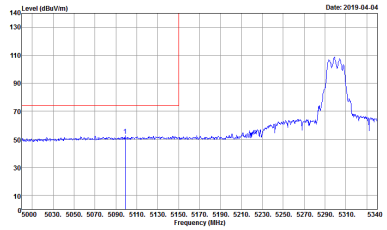
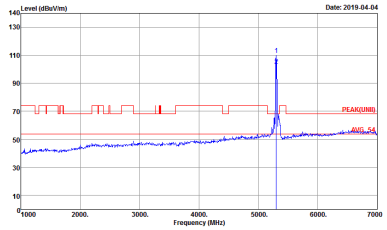
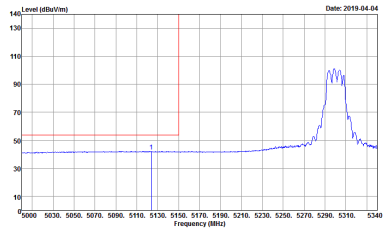
WIFI 802.11a (Band Edge @ 3m)

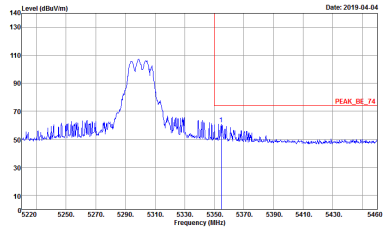
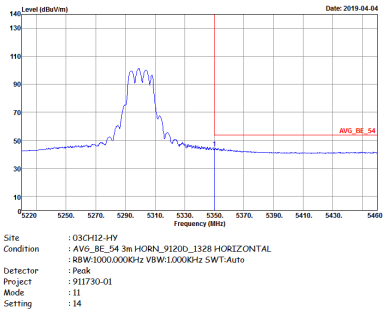
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

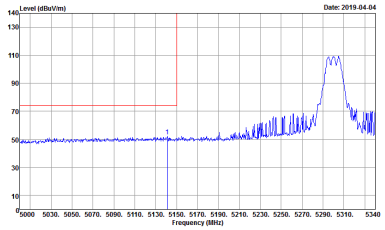
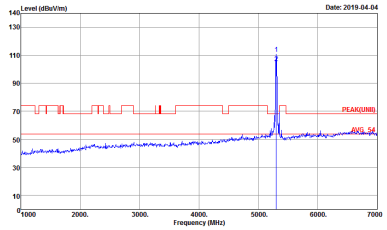
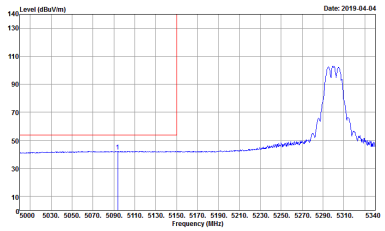
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

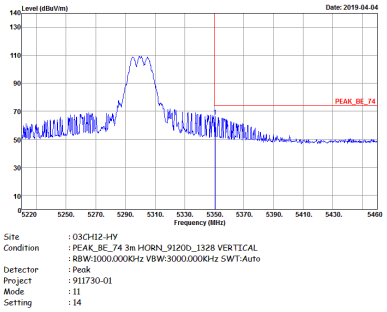
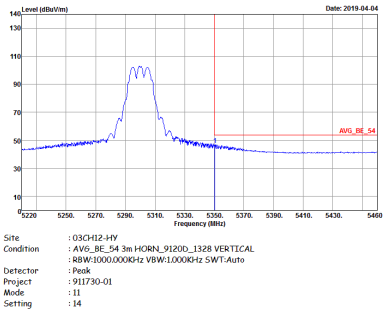
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 10 Setting : 16	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 10 Setting : 16
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 10 Setting : 16	Left blank

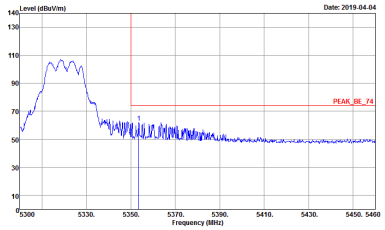
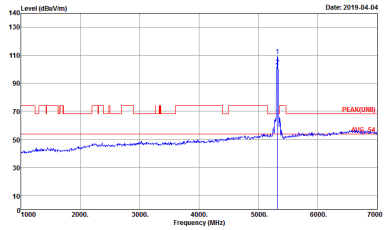
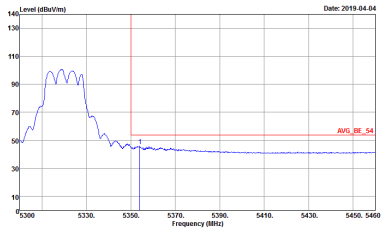
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

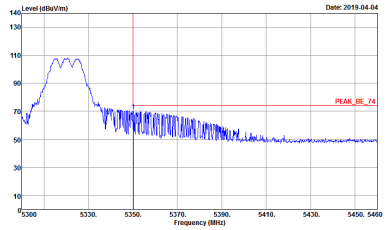
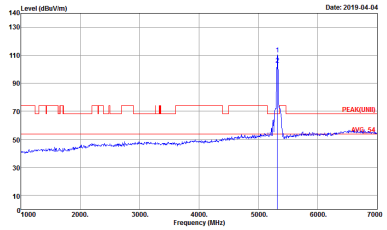
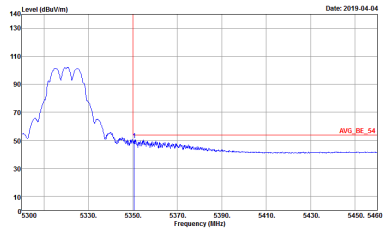
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 11 Setting : 14	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 11 Setting : 14
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 11 Setting : 14	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	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 11 Setting : 14	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 11 Setting : 14
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 11 Setting : 14	Left blank

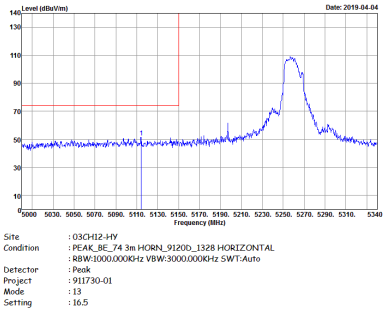
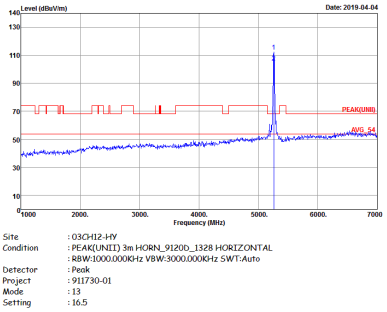
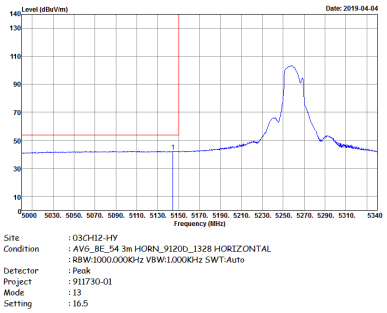
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

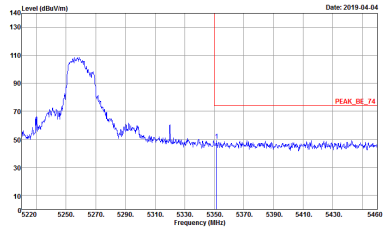
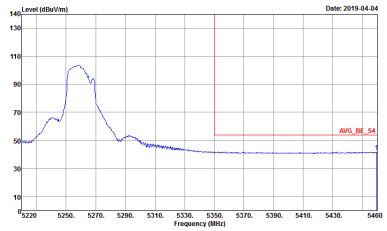
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 12 Setting : 13.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 12 Setting : 13.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 12 Setting : 13.5	Left blank

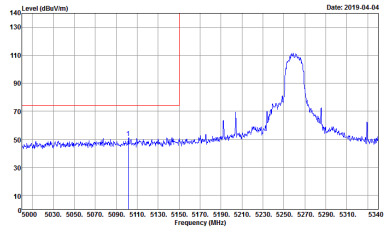
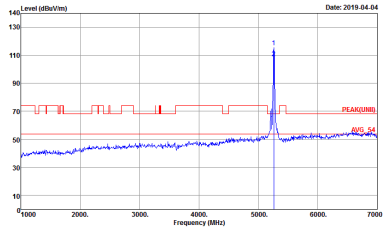
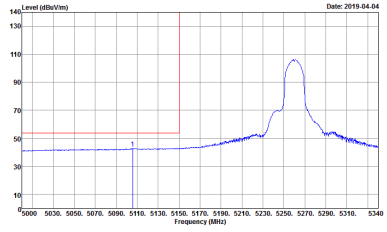
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 12 Setting : 13.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 12 Setting : 13.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 12 Setting : 13.5	Left blank

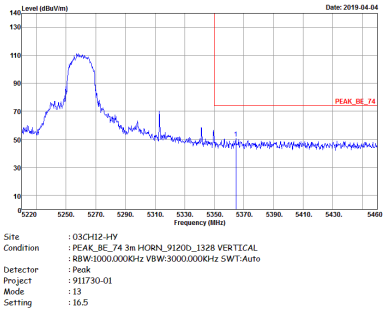
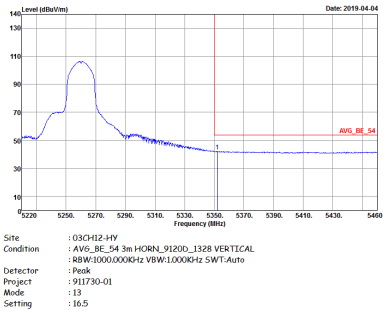
Band 2 5250~5350MHz

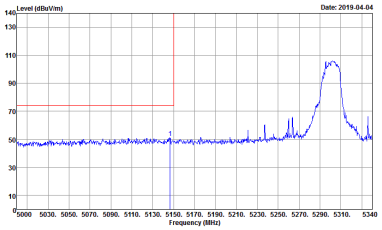
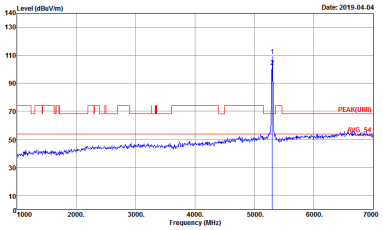
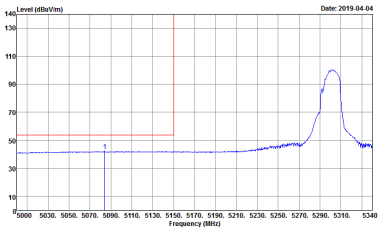
WIFI 802.11ac VHT20 (Band Edge @ 3m)

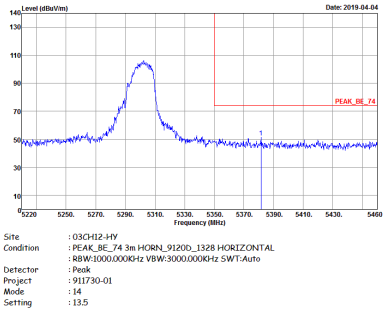
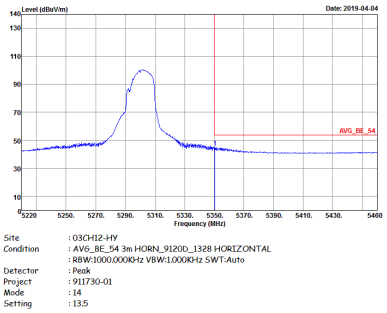
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

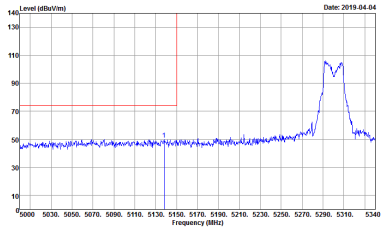
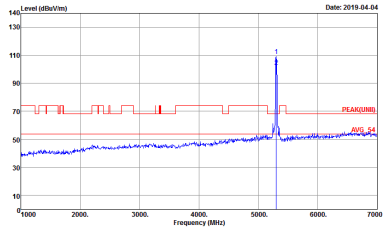
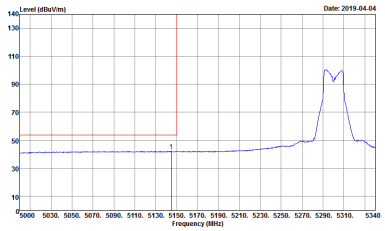
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 13 Setting : 16.5	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 13 Setting : 16.5	Left blank

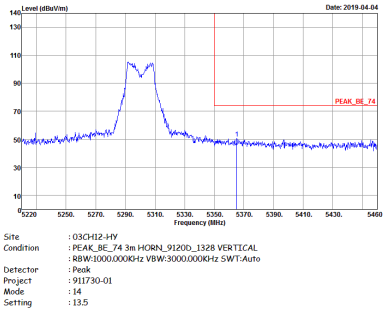
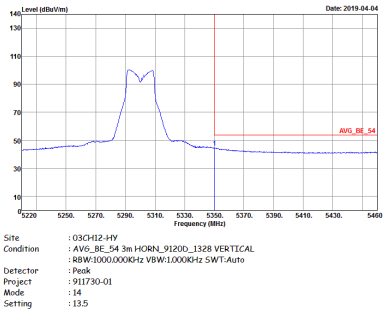
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 13 Setting : 16.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 13 Setting : 16.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 13 Setting : 16.5	Left blank

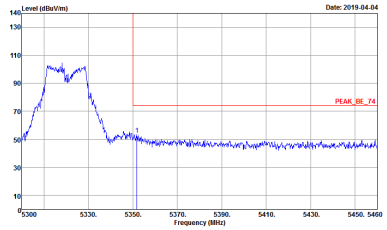
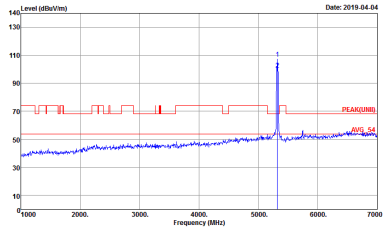
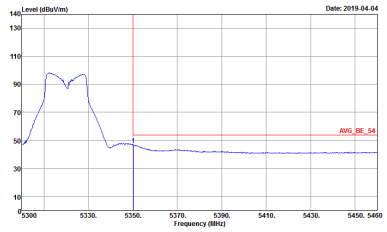
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

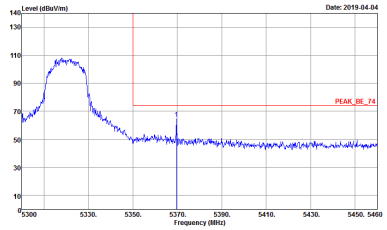
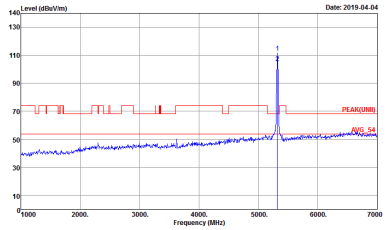
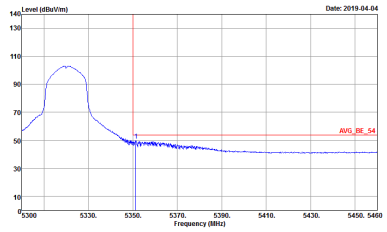
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5	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	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5	Left blank

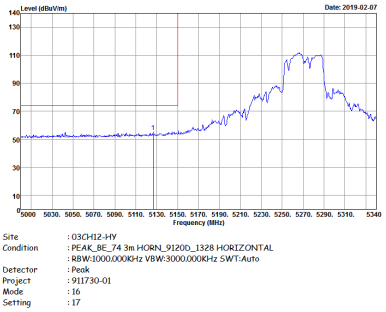
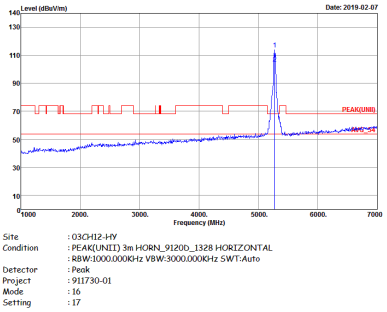
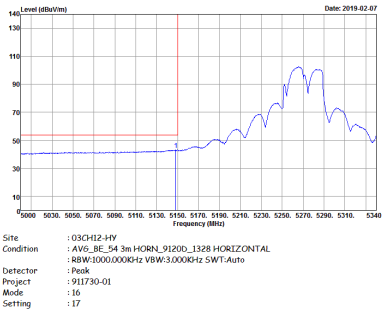
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

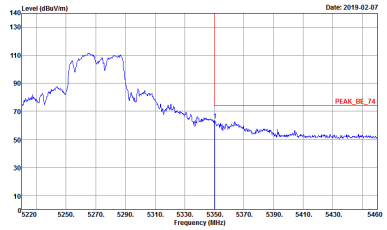
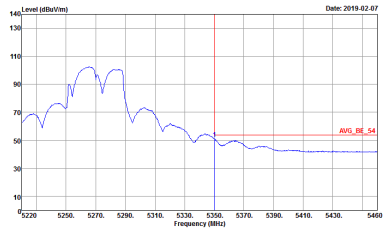
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 15 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 15 Setting : 14
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 15 Setting : 14	Left blank

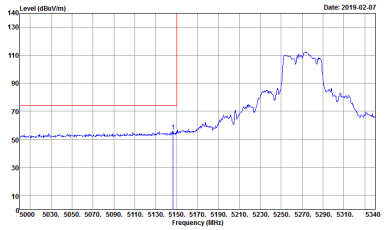
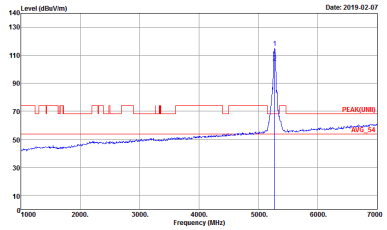
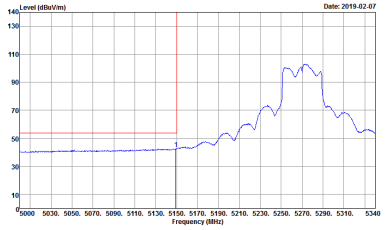
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 15 Setting : 14	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 15 Setting : 14
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 15 Setting : 14	Left blank

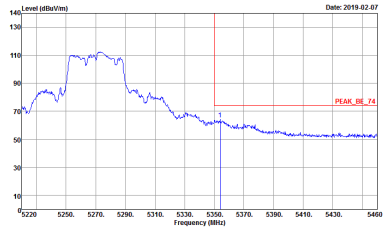
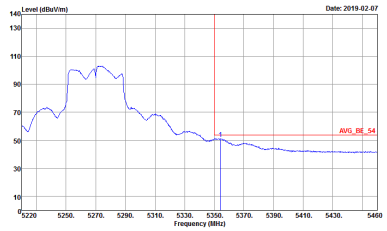
Band 2 5250~5350MHz

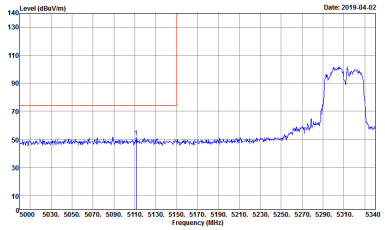
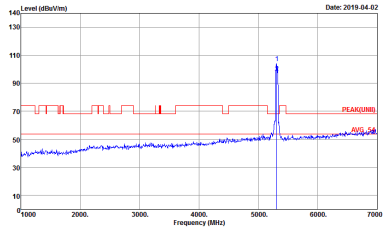
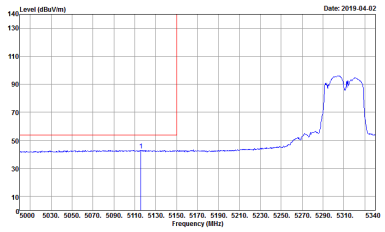
WIFI 802.11ac VHT40 (Band Edge @ 3m)

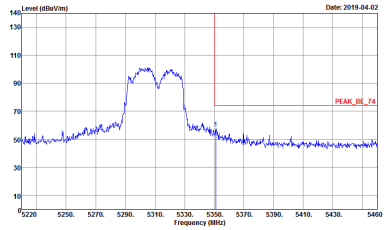
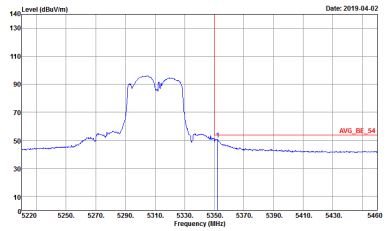
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

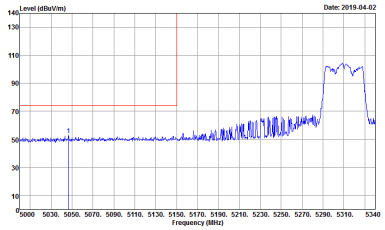
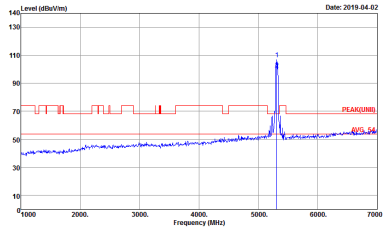
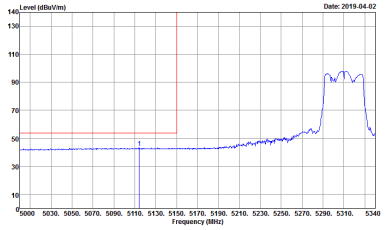
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17	Left blank

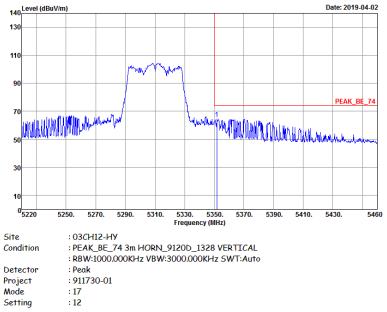
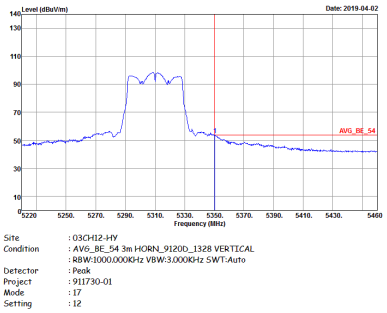
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 16 Setting : 17	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12
Avg.	 Site : 03CH12-HV Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12	Left blank

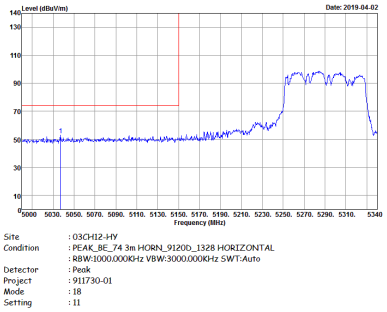
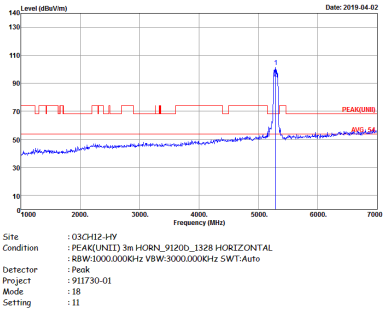
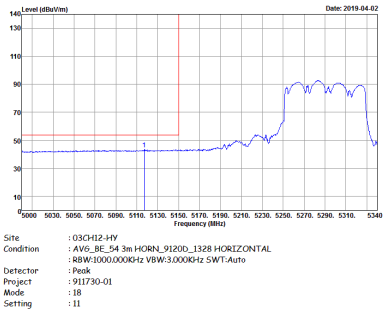
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12	Left blank

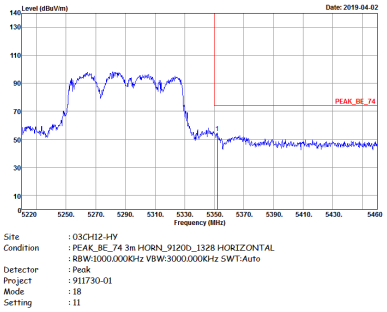
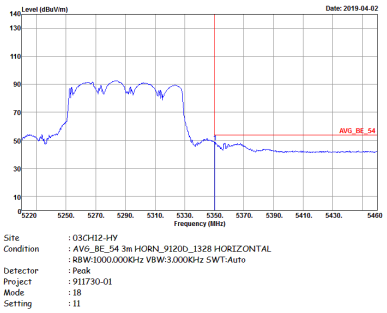
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 17 Setting : 12	Left blank

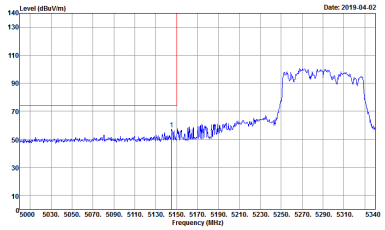
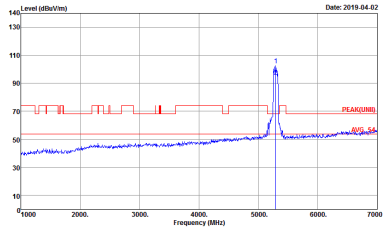
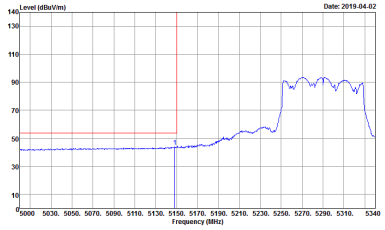
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH62 5310MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

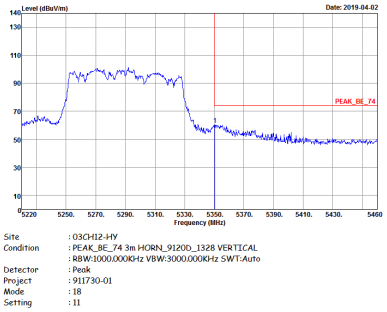
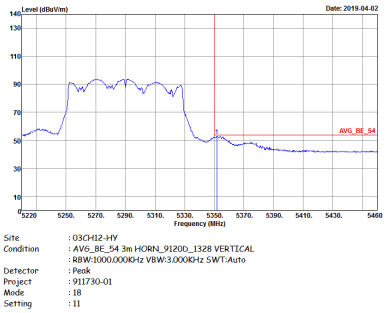
Band 2 5250~5350MHz

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

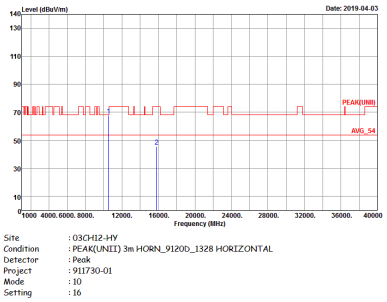
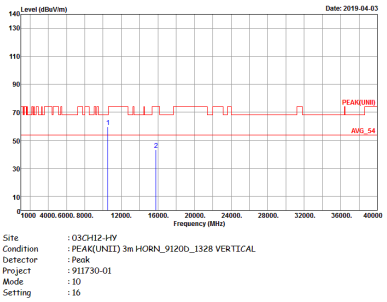
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

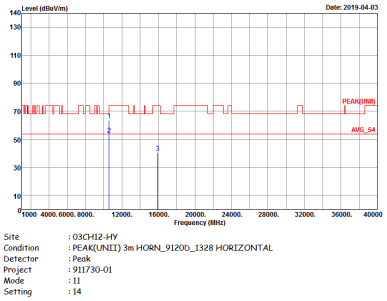
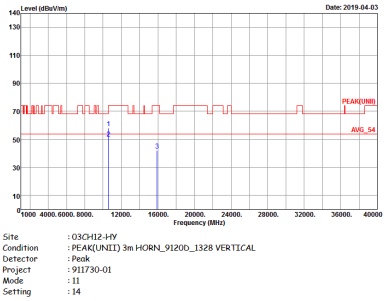
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 18 Setting : 11	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 18 Setting : 11
Avg.	 Site : 03CH12-HV Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 18 Setting : 11	Left blank

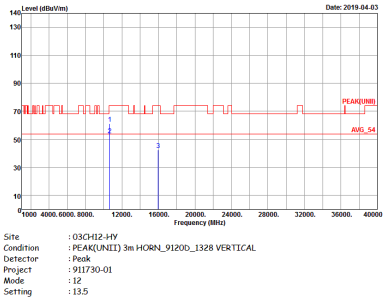
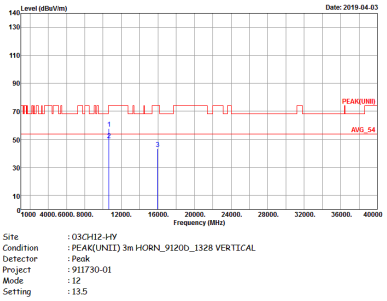
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

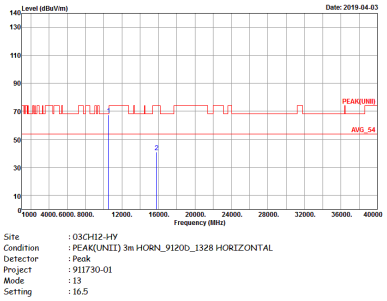
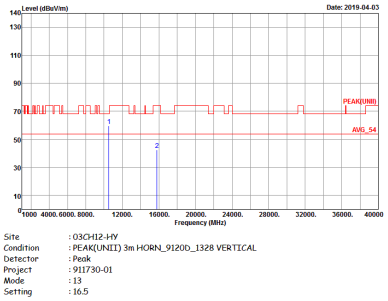
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 	

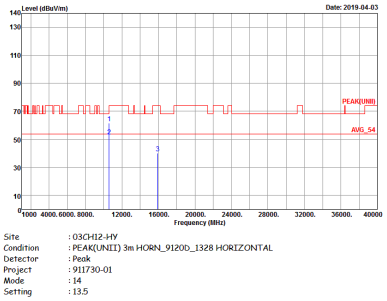
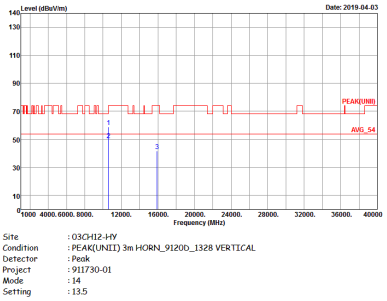
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 911730-01 Mode : 11 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 911730-01 Mode : 11 Setting : 14

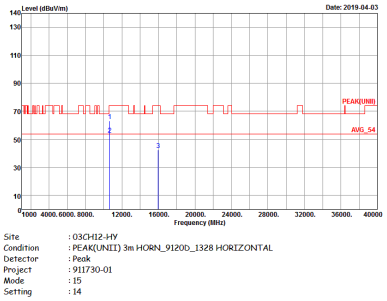
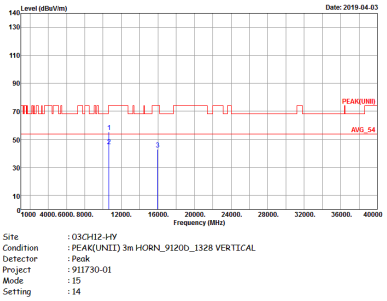
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

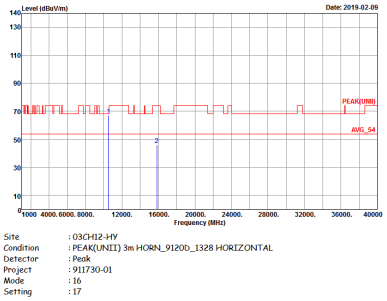
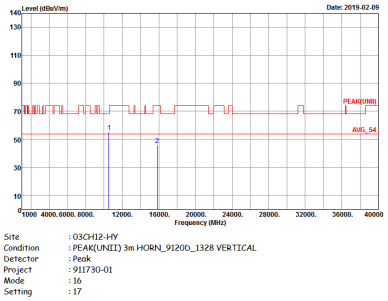
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 	

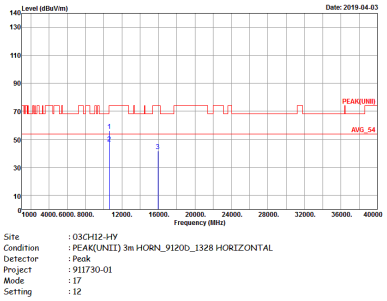
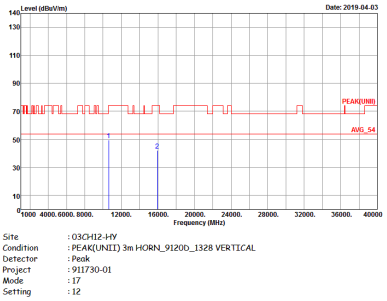
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 911730-01 Mode : 14 Setting : 13.5

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 911730-01 Mode : 15 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 911730-01 Mode : 15 Setting : 14

Band 2 5250~5350MHz

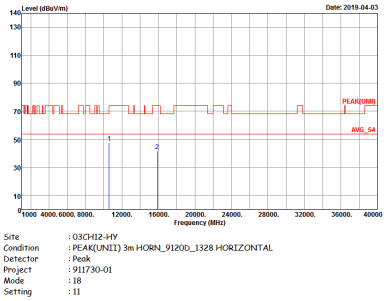
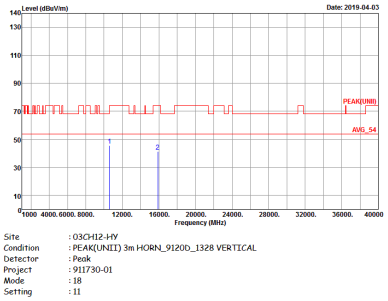
WIFI 802.11ac VHT40 (Harmonic @ 3m)

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

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

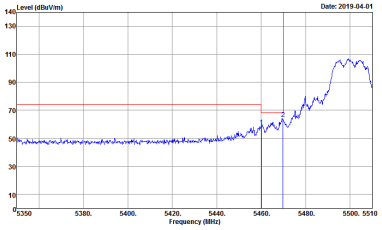
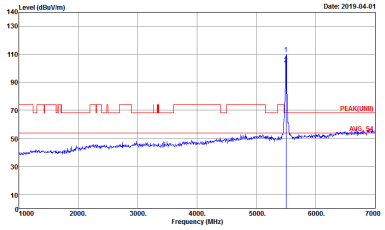
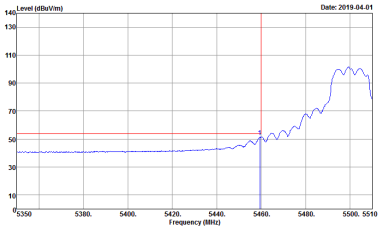
Band 2 5250~5350MHz

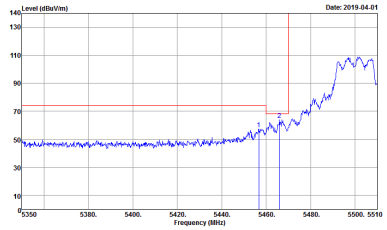
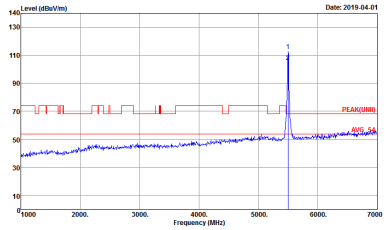
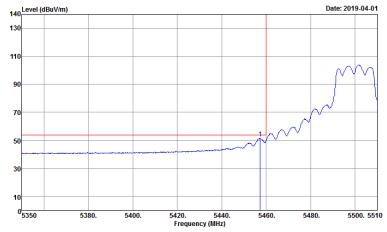
WIFI 802.11ac VHT80 (Harmonic @ 3m)

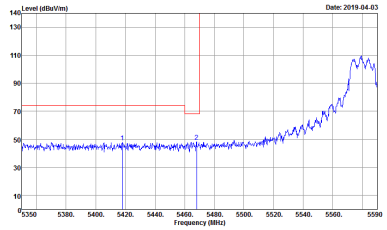
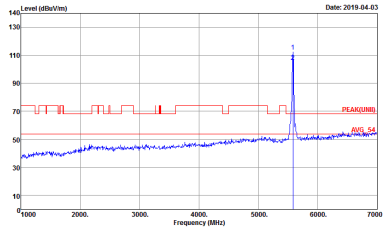
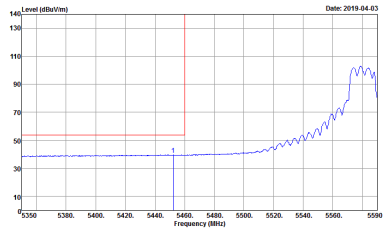
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.		

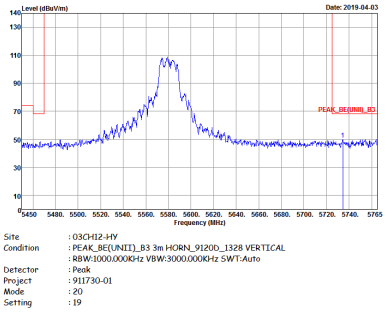
Band 3 - 5470~5725MHz

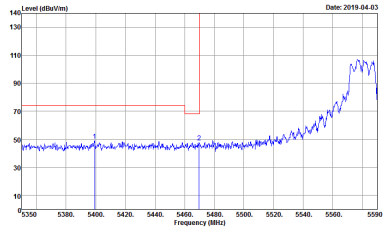
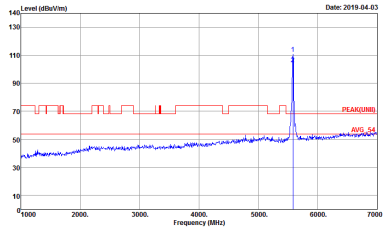
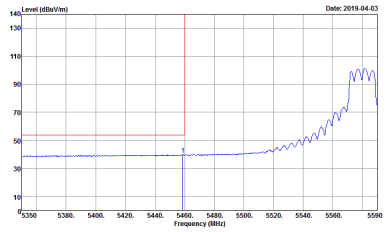
WIFI 802.11a (Band Edge @ 3m)

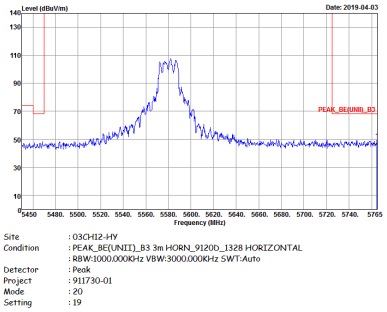
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 19 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 19 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 19 Setting : 17.5	Left blank

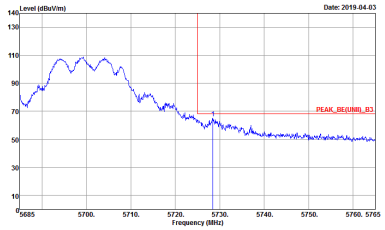
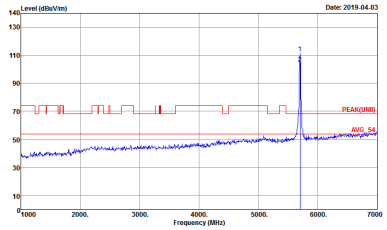
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 19 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 19 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 19 Setting : 17.5	Left blank

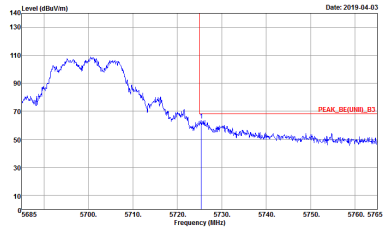
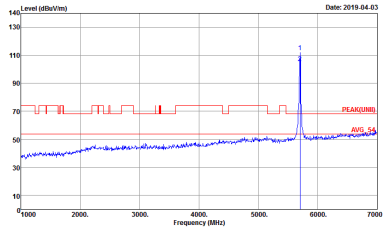
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 20 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 20 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 20 Setting : 19	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	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 20 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 20 Setting : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 20 Setting : 19	Left blank

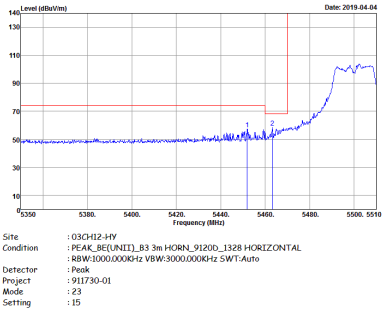
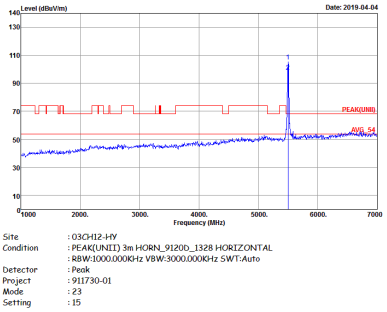
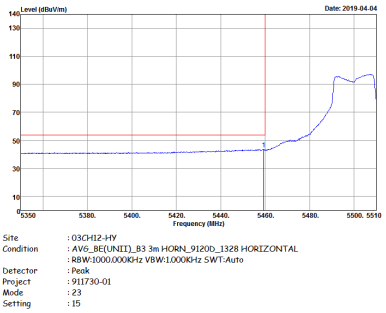
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

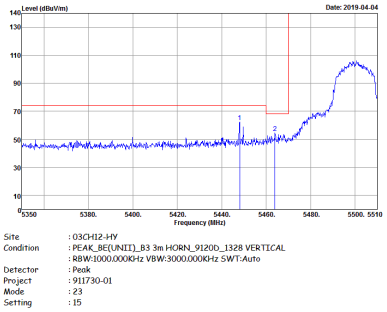
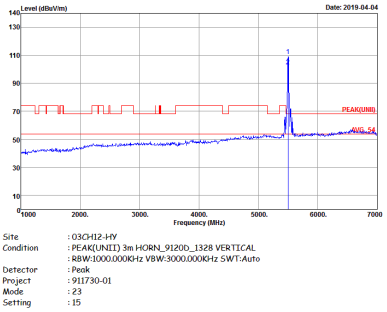
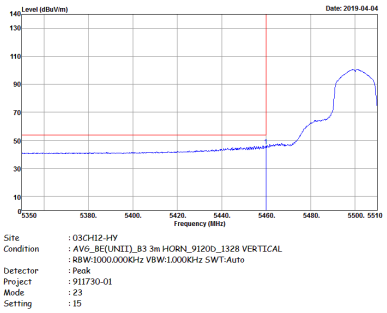
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 21 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 21 Setting : 19

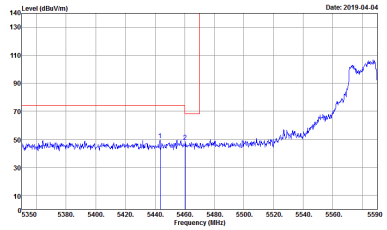
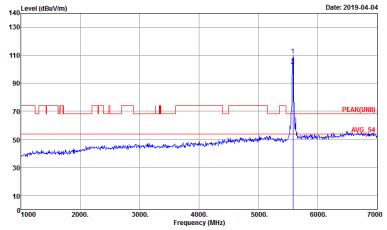
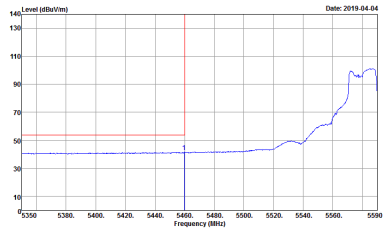
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 21 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 21 Setting : 19

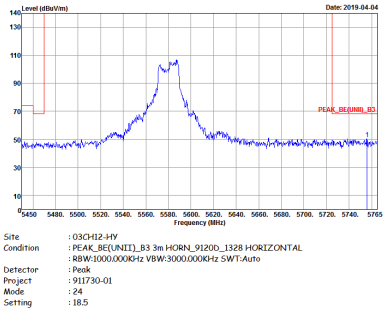
Band 3 5470~5725MHz

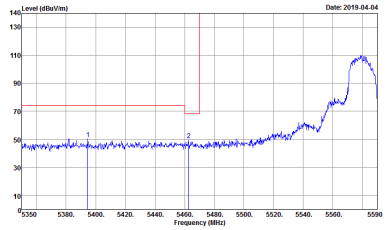
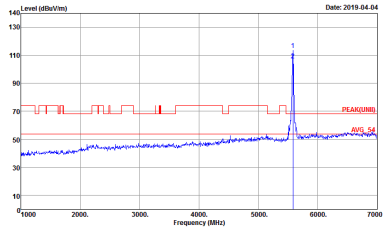
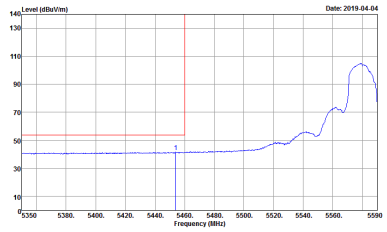
WIFI 802.11ac VHT20 (Band Edge @ 3m)

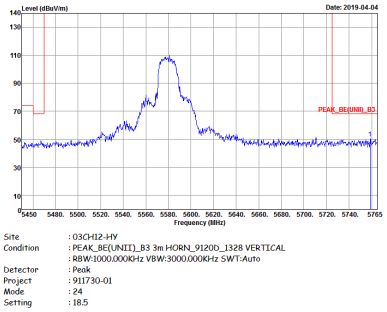
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

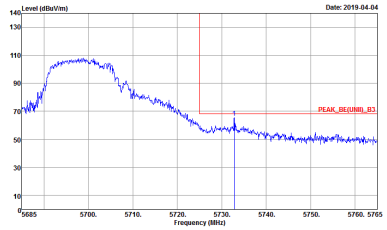
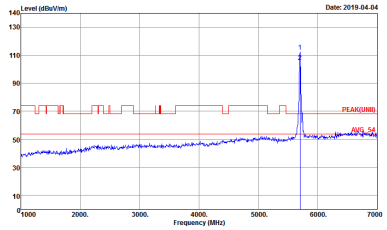
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

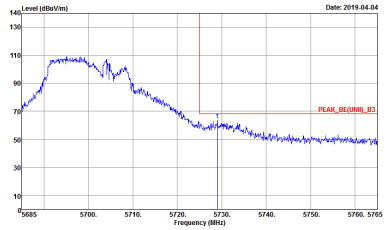
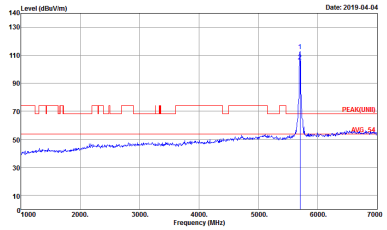
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 24 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 24 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 24 Setting : 18.5	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	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 24 Setting : 18.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 24 Setting : 18.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 24 Setting : 18.5	Left blank

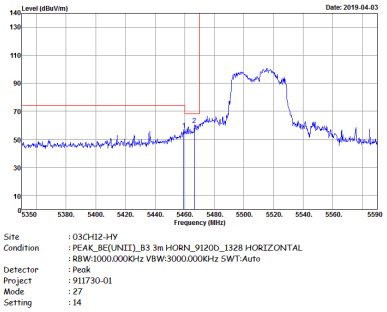
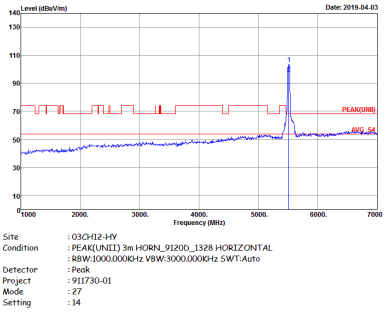
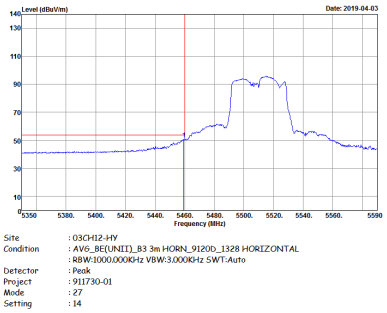
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

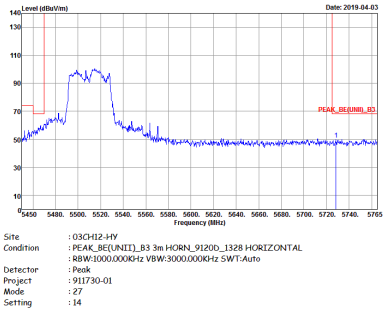
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 25 Setting : 19	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 25 Setting : 19

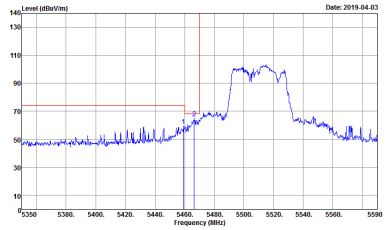
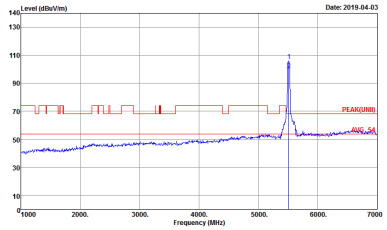
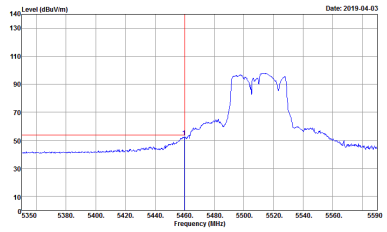
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 25 Setting : 19	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 25 Setting : 19

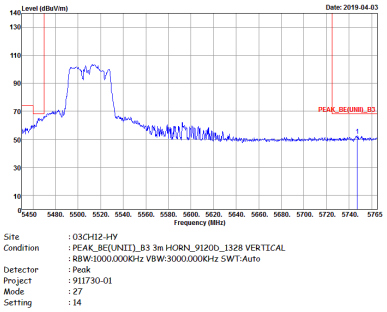
Band 3 5470~5725MHz

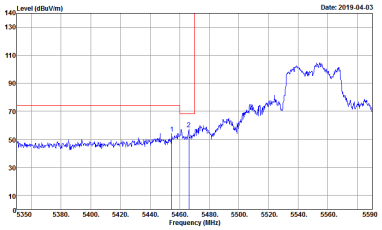
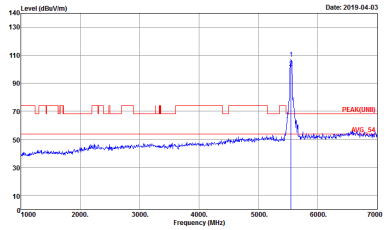
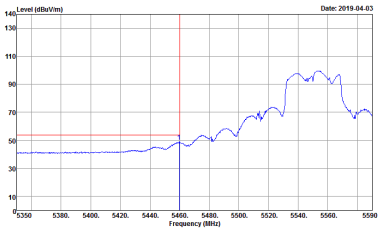
WIFI 802.11ac VHT40 (Band Edge @ 3m)

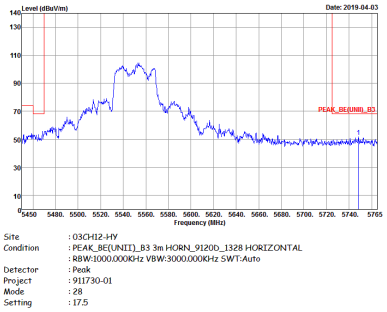
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

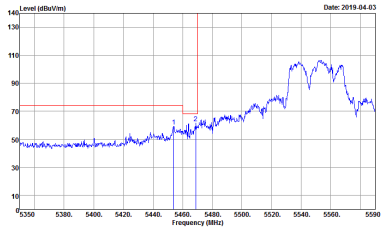
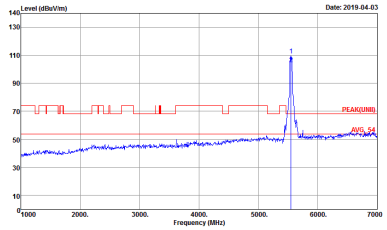
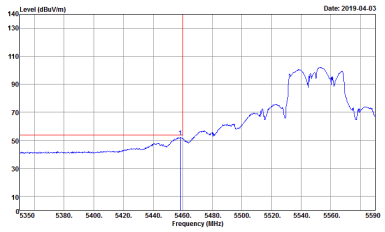
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

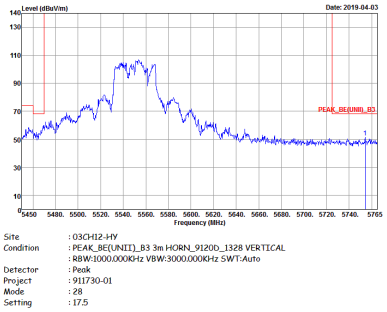
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 27 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 27 Setting : 14
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 27 Setting : 14	Left blank

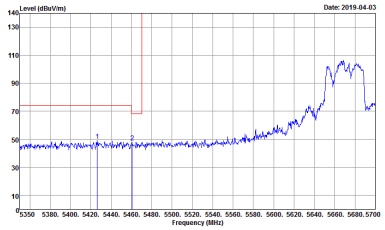
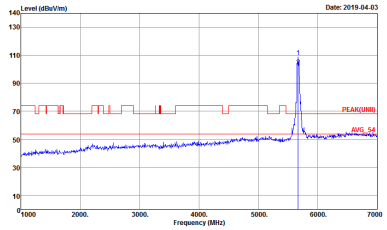
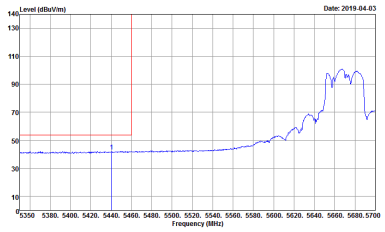
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

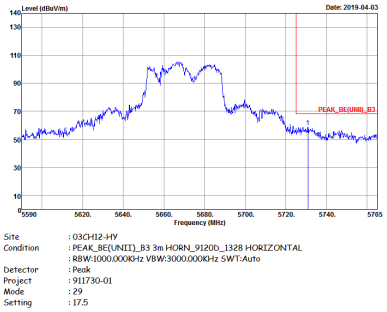
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 28 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 28 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 28 Setting : 17.5	Left blank

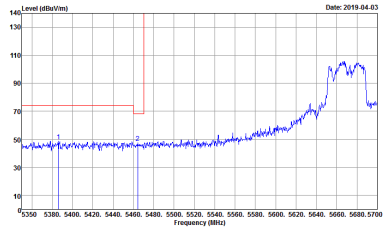
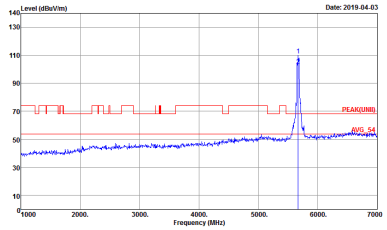
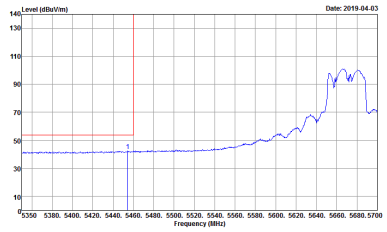
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

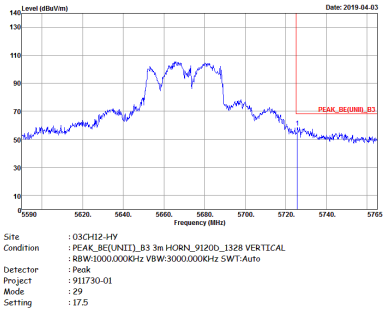
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 28 Setting : 17.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 28 Setting : 17.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 28 Setting : 17.5	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	 Site : 03CH12-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 29 Setting : 17.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 29 Setting : 17.5
Avg.	 Site : 03CH12-HV Condition : AV6_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 29 Setting : 17.5	Left blank

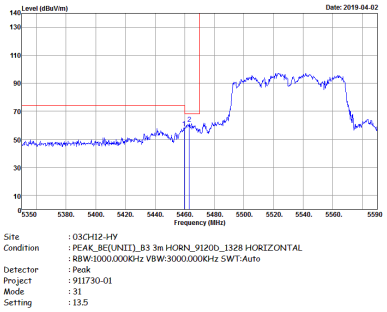
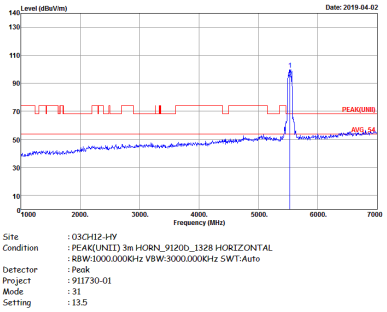
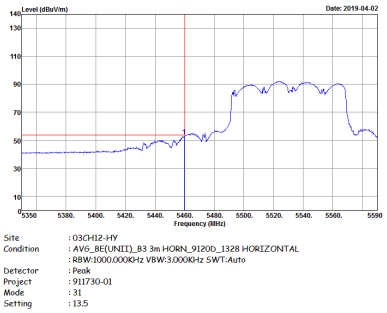
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

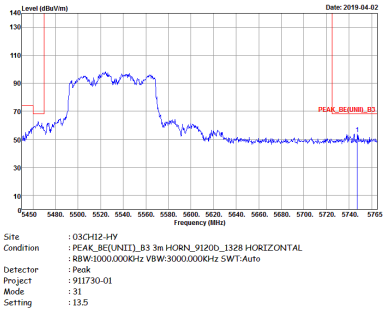
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH12-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 29 Setting : 17.5	 Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 29 Setting : 17.5
Avg.	 Site : 03CH12-HV Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 29 Setting : 17.5	Left blank

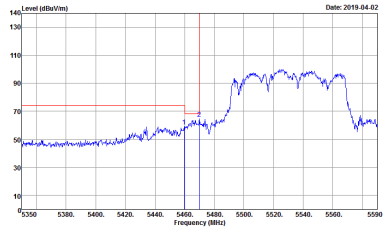
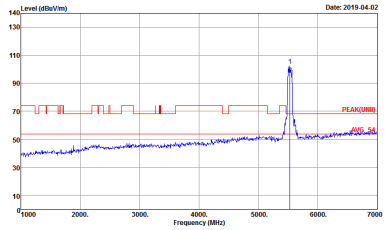
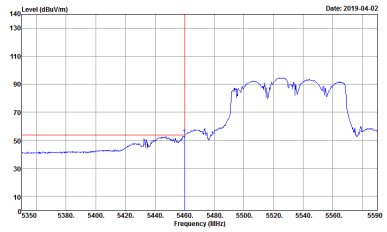
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

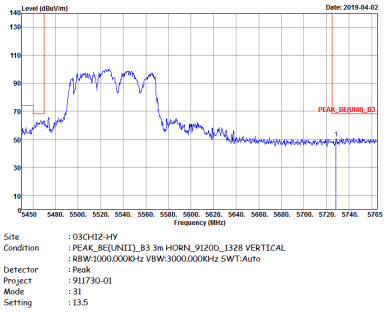
Band 3 5470~5725MHz

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	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 31 Setting : 13.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 31 Setting : 13.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911730-01 Mode : 31 Setting : 13.5	Left blank

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