FCC RF Test Report

APPLICANT	**:**	**Ubiquiti Networks, Inc.**
EQUIPMENT	**:**	**NanoBeam AC**
BRAND NAME	**:**	**UBIQUITI**
MODEL NAME	**:**	**NBE-5AC-Gen2**
FCC ID	**:**	**SWX-NBE5ACG2W**
STANDARD	**:**	**FCC Part 15 Subpart E §15.407**
CLASSIFICATION	**:**	**(NII) Unlicensed National Information Infrastructure**

The product was received on Jun. 24, 2017 and testing was completed on Sep. 27, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

Testing Laboratory 1190

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR561115-04	Rev. 01	Initial issue of report	Oct. 06, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	FCC ≤ 30 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 0.21 dB at 5350.080 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 8.80 dB at 0.150 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York, New York 10017 USA

1.2 Manufacturer

Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York, New York 10017 USA

1.3 Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WLAN: Internal Antenna

1.4 Modification of EUT

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

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC.
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.**
	03CH13-HY

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

1.6 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 v01r04
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

MIMO Antenna

Modulation	Data Rate
802.11ac VHT10	MCS0
802.11ac VHT20	MCS0
802.11ac VHT30	MCS0
802.11ac VHT40	MCS0
802.11ac VHT50	MCS0
802.11ac VHT60	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (2.4GHz) Idle + WLAN (5GHz) Link + LAN Link + PoE Adapter

Ch. #		Band II：5250-5350 MHz	Band II：5250-5350 MHz	Band II：5250-5350 MHz
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30
L	Low	51	52	53
M	Middle	60	60	60
H	High	68	67	66

Ch. #		Band II：5250-5350 MHz	Band II：5250-5350 MHz	Band II：5250-5350 MHz
		802.11ac VHT40	802.11ac VHT50	802.11ac VHT60
L	Low	54	55	56
M	Middle	60	60	60
H	High	65	64	63

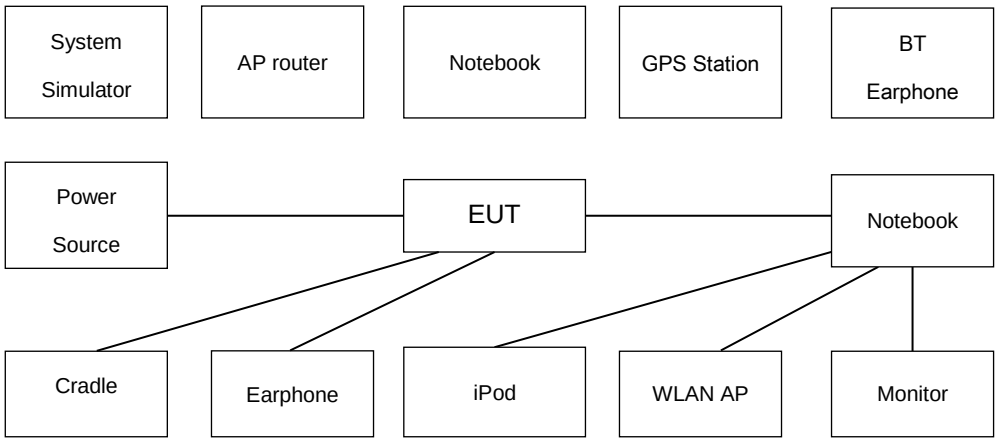
Ch. #		Band II：5250-5350 MHz
		802.11ac VHT80
L	Low	58
M	Middle	60
H	High	61

Ch. #		Band III：5470-5725MHz	Band III：5470-5725MHz	Band III：5470-5725MHz
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30
L	Low	96	97	98
M	Middle	120	120	120
H	High	143	142	141

Ch. #		Band III：5470-5725MHz	Band III：5470-5725MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT50	802.11ac VHT60
L	Low	99	100	101
M	Middle	120	120	120
H	High	140	139	138

Ch. #		Band III：5470-5725MHz
		802.11ac VHT80
L	Low	103
M	Middle	120
H	High	137

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	NOTE BOOK	DELL	E3340	FCC DoC	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m	
2.	NOTE BOOK	DELL	Latitude E6320	FCC DoC	AC I/P：Unshielded, 1.2m DC O/P：Shielded, 1.8m	
3.	Smart Phone	Apple	IPhone 6 Plus	FCC DoC	N/A	

2.4 EUT Operation Test Setup

The RF test items, programmed RF utility, “CMD” installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving 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.

For Straddle Channel, U-NII procedures and limits were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

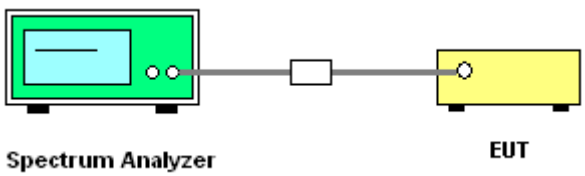
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. 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 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

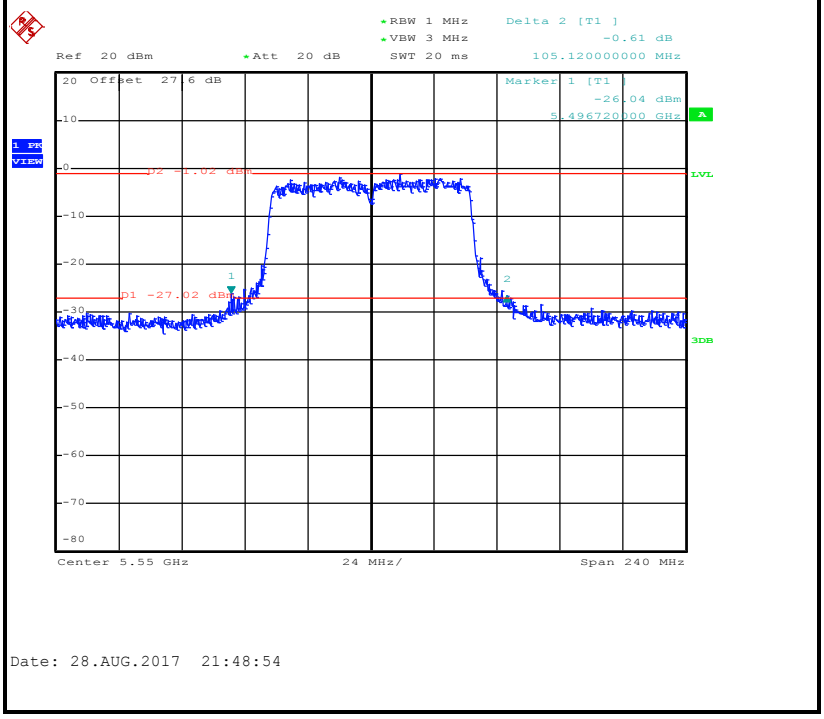
3.1.4 Test Setup



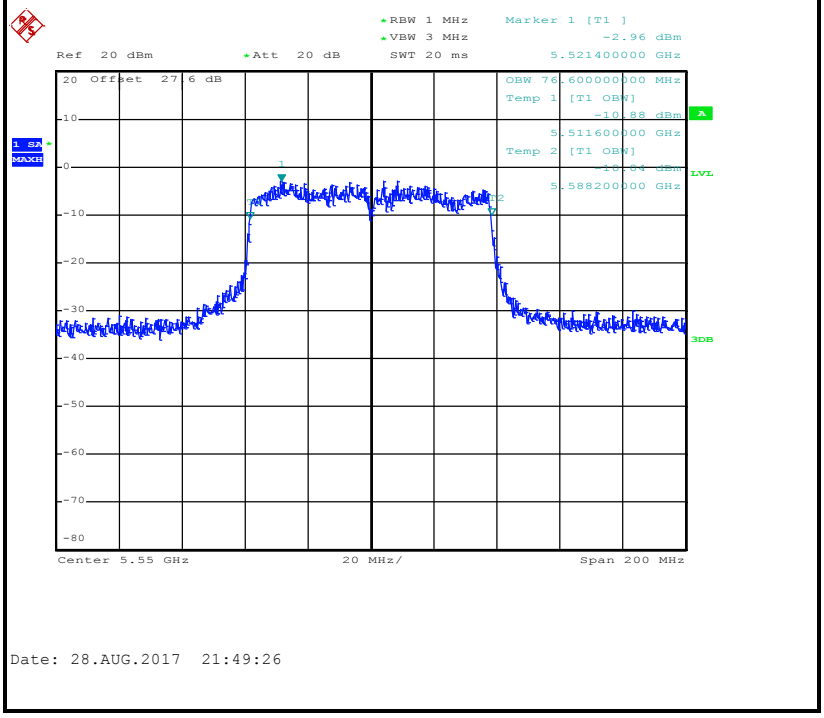
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

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

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 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 v01r04 for CDD modes.

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

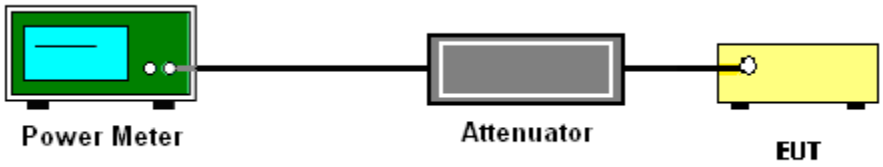
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is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

For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

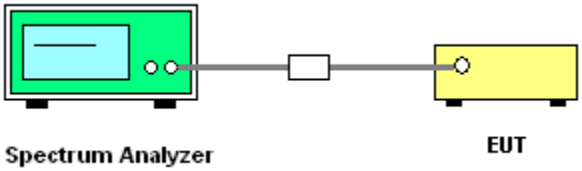
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:

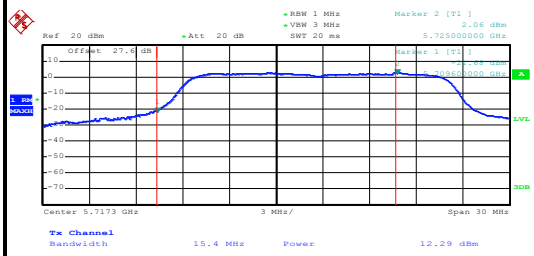
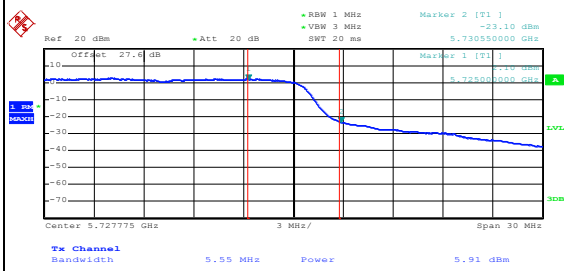
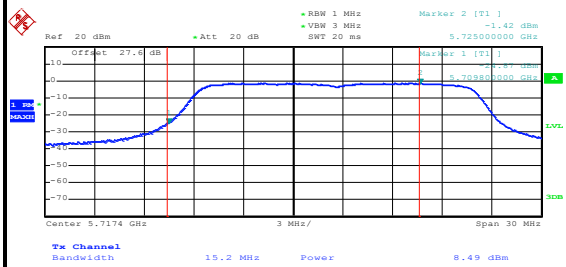
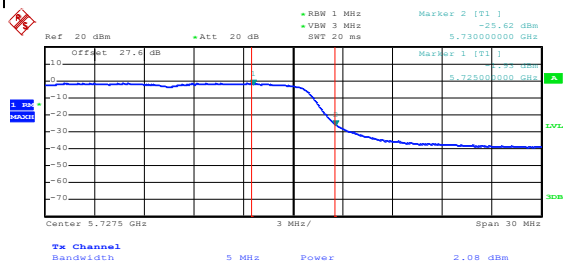


For straddle channel:



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

Maximum Straddle Channel Power	
Ant. 1	
NII-2C Band	DTS Band
 Date: 1.AUG.2013 14:30:35	 Date: 1.AUG.2013 14:31:51
Ant. 2	
NII-2C Band	DTS Band
 Date: 1.AUG.2013 14:34:58	 Date: 1.AUG.2013 14:36:22

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section F) Maximum power spectral density.

 # Method SA-2 #

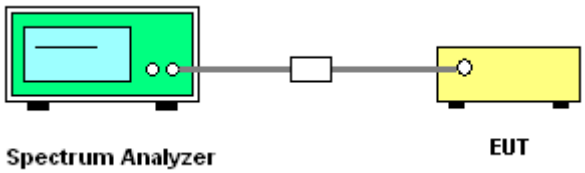
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.
   - 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.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
4. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

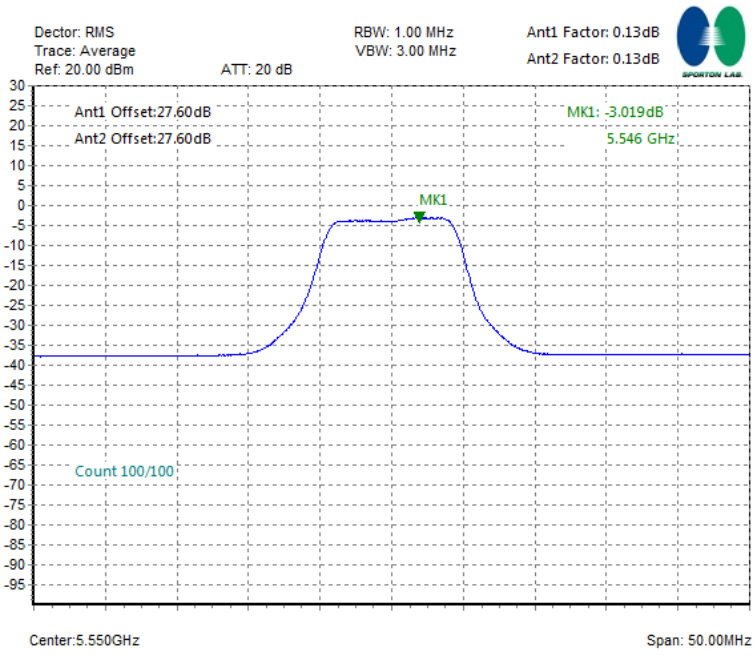
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 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)
-17	78.3
- 27	68.3

(3) KDB789033 D02 v01r04 G)2)c)

(i) Section 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and 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. However, 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 dBm/MHz peak emission limit.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). 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 alternative limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. 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

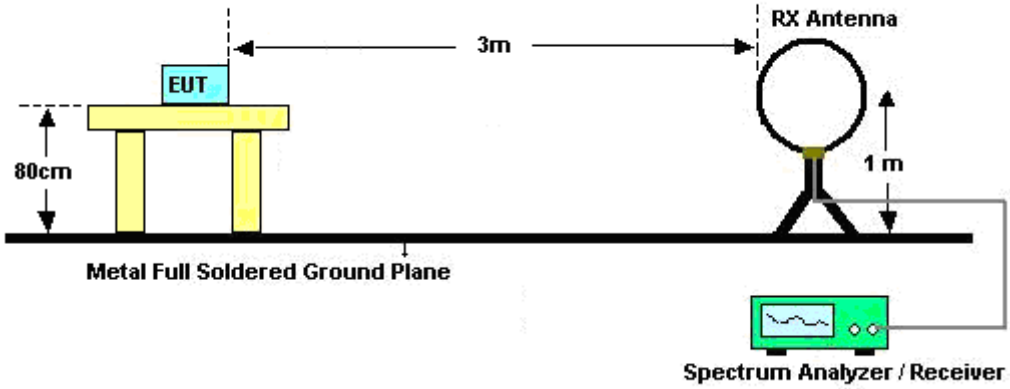
- RBW = 1 MHz

- 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.

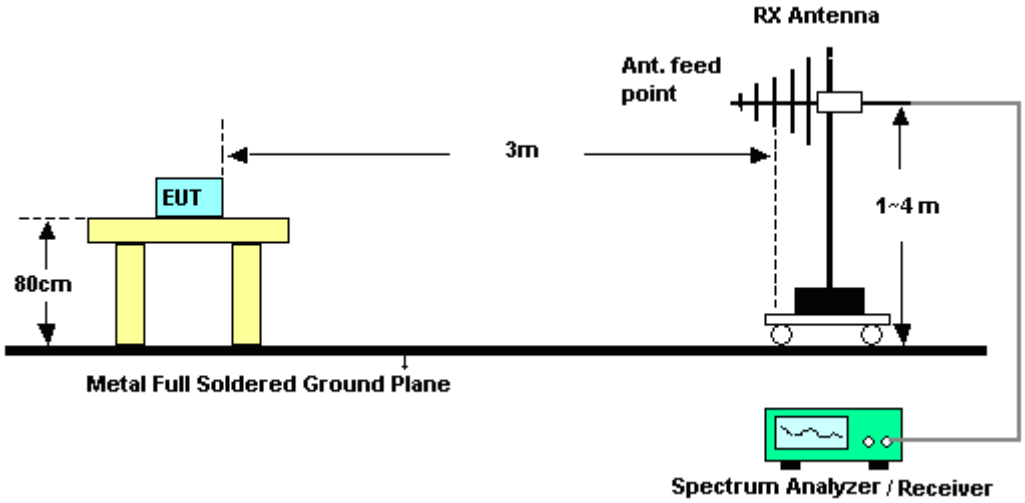
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

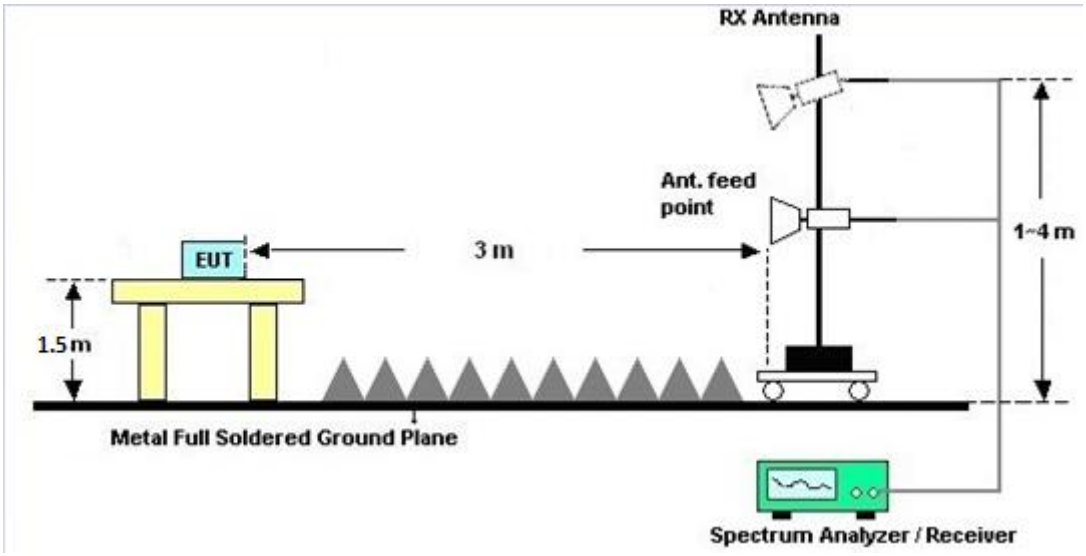
For radiated emissions below 30MHz



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 per 15.31(o) was not reported.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

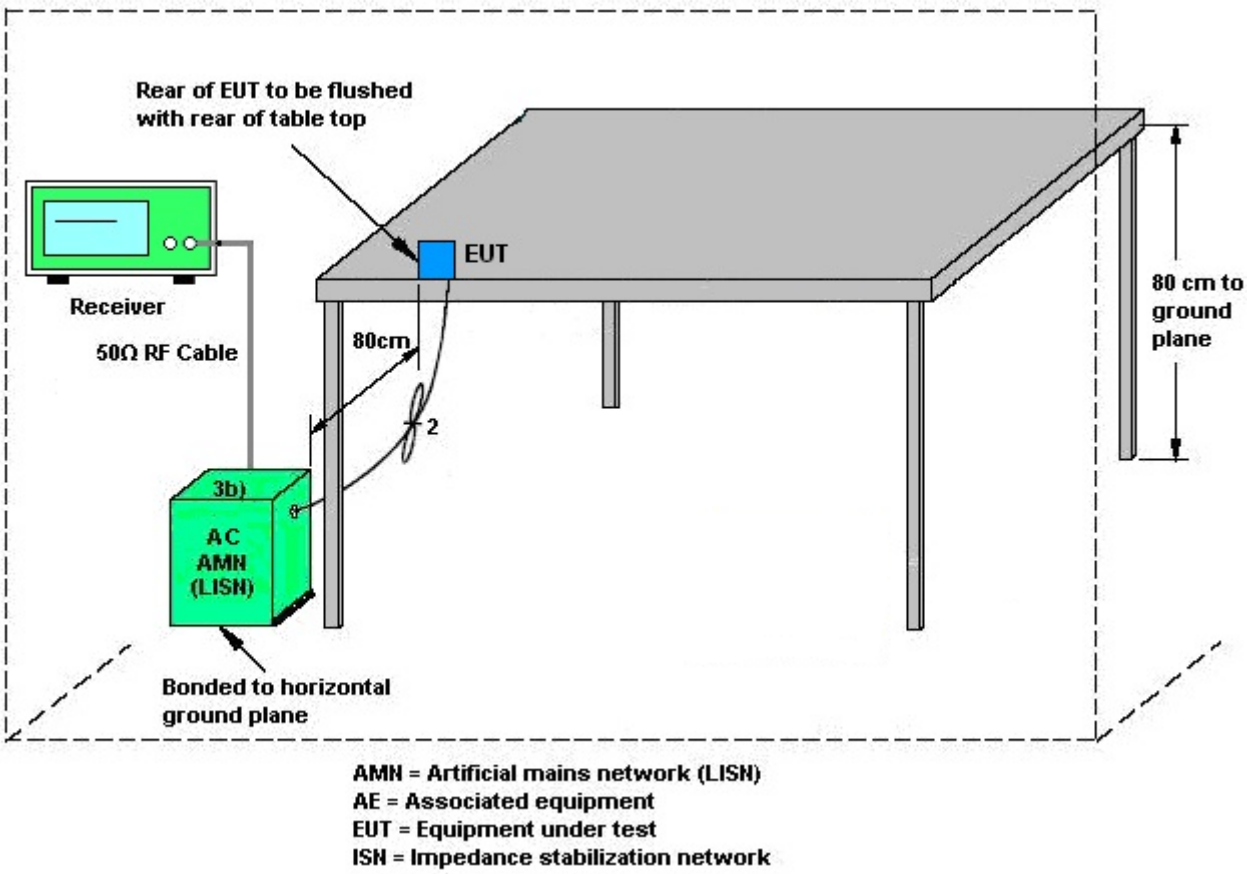
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

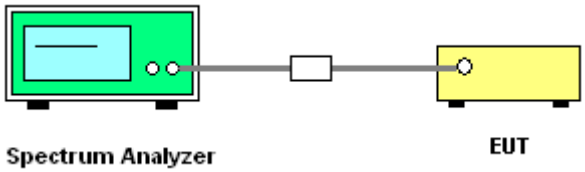
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 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.

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.7.3 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.

3.8 Antenna Requirements

3.8.1 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.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

Array Gain = 10 log(N_{ANT}/N_{SS}=1) dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band II	17.00	17.00	17.00	20.01	11.00	14.01
Band III	17.00	17.00	17.00	20.01	11.00	14.01

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 Meter	Anritsu	ML2495A	1218006	N/A	Oct. 06, 2016	Aug.25.2017 Sep.27.2017	Oct. 05, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz	Oct. 06, 2016	Aug.25.2017 Sep.27.2017	Oct. 05, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 17, 2016	Aug.25.2017 Sep.27.2017	Nov. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Aug. 28, 2017	Aug.25.2017 Sep.27.2017	Aug. 27, 2018	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	Jun. 05, 2017	Aug.25.2017 Sep.27.2017	Jun. 04, 2018	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Aug.25.2017 Sep.27.2017	Oct. 10, 2017	Conducted (TH05-HY)
AC Power Source	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec 01.2016	Aug.25.2017 Sep.27.2017	Nov 30 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 11, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Aug. 11, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Aug. 11, 2017	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Aug. 11, 2017	Dec. 05, 2017	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May 15, 2017	Aug. 25, 2017~ Sep. 23, 2017	May 14, 2019	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Aug. 25, 2017~ Sep. 23, 2017	Dec. 20, 2017	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&04	30MHz to 1GHz	Jan. 07, 2017	Aug. 25, 2017~ Sep. 23, 2017	Jan. 06, 2018	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	May 02, 2017	Aug. 25, 2017~ Sep. 23, 2017	May 01, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 22, 2017	Aug. 25, 2017~ Sep. 23, 2017	May 21, 2018	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Jan. 09, 2017	Aug. 25, 2017~ Sep. 23, 2017	Jan. 08, 2018	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	N/A	Mar. 15, 2017	Aug. 25, 2017~ Sep. 23, 2017	Mar. 14, 2018	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 25, 2017~ Sep. 23, 2017	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 25, 2017~ Sep. 23, 2017	N/A	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Aug. 25, 2017~ Sep. 23, 2017	Nov. 07, 2017	Radiation (03CH13-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 12, 2017	Aug. 25, 2017~ Sep. 23, 2017	Jan. 11, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	TTA 1840-35-HG	1887435	18GHz ~ 40GHz	Oct. 13, 2016	Aug. 25, 2017~ Sep. 23, 2017	Oct. 12, 2017	Radiation (03CH13-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.7**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kai Liao/Reece Lin/Derek Hsu/Aking chang	Temperature:	21~25	°C
Test Date:	2017/8/5~2017/09/27	Relative Humidity:	51~54	%

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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	
VHT10	MCS0	2	51	5255	10.33	10.33	15.03	14.64	21.14		27.14		22.66		
VHT10	MCS0	2	60	5300	10.53	10.45	15.08	15.40	21.19		27.19		22.78		
VHT10	MCS0	2	68	5340	10.38	10.55	15.52	15.48	21.16		27.16		22.90		
VHT20	MCS0	2	52	5260	18.60	18.80	26.28	26.43	23.70		29.70		23.98		
VHT20	MCS0	2	60	5300	19.00	19.10	26.28	27.32	23.79		29.79		23.98		
VHT20	MCS0	2	67	5335	18.70	18.90	27.52	27.20	23.72		29.72		23.98		
VHT30	MCS0	2	53	5265	27.83	27.75	40.77	38.34	23.98		30.00		23.98		
VHT30	MCS0	2	60	5300	28.28	28.20	41.94	41.69	23.98		30.00		23.98		
VHT30	MCS0	2	66	5330	27.08	27.00	39.24	38.61	23.98		30.00		23.98		
VHT40	MCS0	2	54	5270	36.80	36.80	48.84	49.08	23.98		30.00		23.98		
VHT40	MCS0	2	60	5300	36.80	36.90	48.81	50.01	23.98		30.00		23.98		
VHT40	MCS0	2	65	5325	37.10	37.10	49.44	50.04	23.98		30.00		23.98		
VHT50	MCS0	2	55	5275	45.13	45.00	59.88	58.80	23.98		30.00		23.98		
VHT50	MCS0	2	60	5300	44.88	45.13	58.65	58.50	23.98		30.00		23.98		
VHT50	MCS0	2	64	5320	45.25	45.25	59.25	57.90	23.98		30.00		23.98		
VHT60	MCS0	2	56	5280	55.35	55.20	74.00	73.56	23.98		30.00		23.98		
VHT60	MCS0	2	60	5300	55.80	55.95	70.74	71.10	23.98		30.00		23.98		
VHT60	MCS0	2	63	5315	53.55	53.40	69.60	70.48	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.20	76.40	93.84	94.80	23.98		30.00		23.98		
VHT80	MCS0	2	60	5300	76.20	76.40	102.88	101.44	23.98		30.00		23.98		
VHT80	MCS0	2	61	5305	76.40	76.20	98.56	94.96	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	51	5255	0.13	0.13	2.35	2.65	5.52	11.66		17.00		30	Pass
VHT10	MCS0	2	60	5300	0.13	0.13	3.61	3.60	6.62	11.78		17.00		30	Pass
VHT10	MCS0	2	68	5340	0.13	0.13	-0.95	-1.54	1.78	11.90		17.00		30	Pass
VHT20	MCS0	2	52	5260	0.20	0.20	3.76	3.96	6.87	12.98		17.00		30	Pass
VHT20	MCS0	2	60	5300	0.20	0.20	5.46	5.58	8.53	12.98		17.00		30	Pass
VHT30	MCS0	2	53	5265	0.30	0.35	6.95	7.50	10.24	12.98		17.00		30	Pass
VHT30	MCS0	2	60	5300	0.30	0.35	7.19	7.25	10.23	12.98		17.00		30	Pass
VHT40	MCS0	2	54	5270	0.39	0.46	8.17	8.27	11.23	12.98		17.00		30	Pass
VHT40	MCS0	2	60	5300	0.39	0.46	9.00	9.11	12.06	12.98		17.00		30	Pass
VHT50	MCS0	2	55	5275	0.45	0.45	9.21	9.04	12.13	12.98		17.00		30	Pass
VHT50	MCS0	2	60	5300	0.45	0.45	7.06	7.16	10.12	12.98		17.00		30	Pass
VHT50	MCS0	2	64	5320	0.45	0.45	-12.43	-9.70	-7.85	12.98		17.00		30	Pass
VHT60	MCS0	2	56	5280	0.51	0.59	9.40	9.49	12.45	12.98		17.00		30	Pass
VHT60	MCS0	2	60	5300	0.51	0.59	1.80	1.70	4.76	12.98		17.00		30	Pass
VHT60	MCS0	2	63	5315	0.51	0.59	-12.51	-9.46	-7.72	12.98		17.00		30	Pass
VHT80	MCS0	2	58	5290	0.76	0.76	-3.65	-3.75	-0.69	12.98		17.00		30	Pass
VHT80	MCS0	2	60	5300	0.76	0.76	-11.49	-8.75	-6.89	12.98		17.00		30	Pass
VHT80	MCS0	2	61	5305	0.76	0.76	-16.80	-11.96	-10.72	12.98		17.00		30	Pass

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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		
VHT10	MCS0	2	51	5255	0.13	0.13			-3.79	-3.01		20.01			Pass
VHT10	MCS0	2	60	5300	0.13	0.13			-3.10	-3.01		20.01			Pass
VHT10	MCS0	2	68	5340	0.13	0.13			-7.70	-3.01		20.01			Pass
VHT20	MCS0	2	52	5260	0.20	0.20			-3.47	-3.01		20.01			Pass
VHT20	MCS0	2	60	5300	0.20	0.20			-3.76	-3.01		20.01			Pass
VHT20	MCS0	2	67	5335	0.20	0.20			-17.50	-3.01		20.01			Pass
VHT30	MCS0	2	53	5265	0.30	0.35			-3.11	-3.01		20.01			Pass
VHT30	MCS0	2	60	5300	0.30	0.35			-3.51	-3.01		20.01			Pass
VHT30	MCS0	2	66	5330	0.30	0.35			-20.92	-3.01		20.01			Pass
VHT40	MCS0	2	54	5270	0.39	0.46			-3.90	-3.01		20.01			Pass
VHT40	MCS0	2	60	5300	0.39	0.46			-3.23	-3.01		20.01			Pass
VHT40	MCS0	2	65	5325	0.39	0.46			-23.73	-3.01		20.01			Pass
VHT50	MCS0	2	55	5275	0.45	0.45			-3.76	-3.01		20.01			Pass
VHT50	MCS0	2	60	5300	0.45	0.45			-6.00	-3.01		20.01			Pass
VHT50	MCS0	2	64	5320	0.45	0.45			-24.52	-3.01		20.01			Pass
VHT60	MCS0	2	56	5280	0.51	0.59			-4.51	-3.01		20.01			Pass
VHT60	MCS0	2	60	5300	0.51	0.59			-11.73	-3.01		20.01			Pass
VHT60	MCS0	2	63	5315	0.51	0.59			-25.02	-3.01		20.01			Pass
VHT80	MCS0	2	58	5290	0.76	0.76			-19.39	-3.01		20.01			Pass
VHT80	MCS0	2	60	5300	0.76	0.76			-25.44	-3.01		20.01			Pass
VHT80	MCS0	2	61	5305	0.76	0.76			-30.24	-3.01		20.01			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band III															
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	
VHT10	MCS0	2	96	5480	10.38	10.48	14.67	15.72	21.16		27.16		22.66		
VHT10	MCS0	2	110	5550	10.40	10.38	14.68	14.73	21.16		27.16		22.67		
VHT10	MCS0	2	143	5715	10.98	10.60	15.42	15.36	21.25		27.25		22.86		
VHT20	MCS0	2	97	5485	18.55	18.65	25.80	25.92	23.68		29.68		23.98		
VHT20	MCS0	2	110	5550	19.00	19.00	27.12	26.04	23.79		29.79		23.98		
VHT20	MCS0	2	142	5710	18.65	18.80	24.96	27.18	23.71		29.71		23.98		
VHT30	MCS0	2	98	5490	26.85	26.85	37.89	36.81	23.98		30.00		23.98		
VHT30	MCS0	2	110	5550	28.35	28.20	41.22	40.92	23.98		30.00		23.98		
VHT30	MCS0	2	141	5705	27.68	27.08	39.24	36.09	23.98		30.00		23.98		
VHT40	MCS0	2	99	5495	36.80	37.00	48.36	48.60	23.98		30.00		23.98		
VHT40	MCS0	2	110	5550	36.80	36.90	48.78	49.56	23.98		30.00		23.98		
VHT40	MCS0	2	140	5700	37.00	37.30	47.76	49.68	23.98		30.00		23.98		
VHT50	MCS0	2	100	5500	45.13	45.25	59.10	58.20	23.98		30.00		23.98		
VHT50	MCS0	2	110	5550	45.13	45.25	59.10	57.90	23.98		30.00		23.98		
VHT50	MCS0	2	139	5695	45.38	45.25	60.15	58.50	23.98		30.00		23.98		
VHT60	MCS0	2	101	5505	53.55	53.25	70.66	71.56	23.98		30.00		23.98		
VHT60	MCS0	2	110	5550	55.05	55.35	72.24	72.10	23.98		30.00		23.98		
VHT60	MCS0	2	138	5690	53.70	53.25	71.38	69.40	23.98		30.00		23.98		
VHT80	MCS0	2	103	5515	76.00	76.00	96.64	98.08	23.98		30.00		23.98		
VHT80	MCS0	2	110	5550	76.60	76.40	91.84	105.12	23.98		30.00		23.98		
VHT80	MCS0	2	136	5680	76.40	76.00	96.16	95.92	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	96	5480	0.13	0.13	-3.12	-3.75	-0.41	11.66		17.00		30	Pass
VHT10	MCS0	2	110	5550	0.13	0.13	2.28	3.01	5.68	11.67		17.00		30	Pass
VHT10	MCS0	2	143	5715	0.13	0.13	-5.81	-5.29	-2.53	11.86		17.00		30	Pass
VHT20	MCS0	2	97	5485	0.20	0.20	-5.32	-5.67	-2.48	12.98		17.00		30	Pass
VHT20	MCS0	2	110	5550	0.20	0.20	3.98	5.03	7.55	12.98		17.00		30	Pass
VHT20	MCS0	2	142	5710	0.20	0.20	-6.90	-6.34	-3.60	12.98		17.00		30	Pass
VHT30	MCS0	2	98	5490	0.30	0.35	-4.96	-3.73	-1.29	12.98		17.00		30	Pass
VHT30	MCS0	2	110	5550	0.30	0.35	6.15	7.29	9.77	12.98		17.00		30	Pass
VHT40	MCS0	2	99	5495	0.39	0.46	-4.61	-3.34	-0.92	12.98		17.00		30	Pass
VHT40	MCS0	2	110	5550	0.39	0.46	6.59	7.36	10.00	12.98		17.00		30	Pass
VHT50	MCS0	2	100	5500	0.45	0.45	-4.14	-5.95	-1.94	12.98		17.00		30	Pass
VHT50	MCS0	2	110	5550	0.45	0.45	7.57	8.41	11.02	12.98		17.00		30	Pass
VHT50	MCS0	2	139	5695	0.45	0.45	-6.13	-4.40	-2.17	12.98		17.00		30	Pass
VHT60	MCS0	2	101	5505	0.51	0.59	-7.91	-5.89	-3.78	12.98		17.00		30	Pass
VHT60	MCS0	2	110	5550	0.51	0.59	7.82	8.63	11.25	12.98		17.00		30	Pass
VHT60	MCS0	2	138	5690	0.51	0.59	-7.49	-5.02	-3.08	12.98		17.00		30	Pass
VHT80	MCS0	2	103	5515	0.76	0.76	-6.94	-9.19	-4.91	12.98		17.00		30	Pass
VHT80	MCS0	2	110	5550	0.76	0.76	6.51	7.22	9.89	12.98		17.00		30	Pass
VHT80	MCS0	2	136	5680	0.76	0.76	-9.53	-6.96	-5.04	12.98		17.00		30	Pass

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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		
VHT10	MCS0	2	96	5480	0.13	0.13			-8.50	-3.01		20.01			Pass
VHT10	MCS0	2	110	5550	0.13	0.13			-3.02	-3.01		20.01			Pass
VHT10	MCS0	2	143	5715	0.13	0.13			-11.13	-3.01		20.01			Pass
VHT20	MCS0	2	97	5485	0.20	0.20			-13.22	-3.01		20.01			Pass
VHT20	MCS0	2	110	5550	0.20	0.20			-3.56	-3.01		20.01			Pass
VHT20	MCS0	2	142	5710	0.20	0.20			-15.19	-3.01		20.01			Pass
VHT30	MCS0	2	98	5490	0.30	0.35			-14.28	-3.01		20.01			Pass
VHT30	MCS0	2	110	5550	0.30	0.35			-3.42	-3.01		20.01			Pass
VHT30	MCS0	2	141	5705	0.30	0.35			-18.21	-3.01		20.01			Pass
VHT40	MCS0	2	99	5495	0.39	0.46			-14.85	-3.01		20.01			Pass
VHT40	MCS0	2	110	5550	0.39	0.46			-3.63	-3.01		20.01			Pass
VHT40	MCS0	2	140	5700	0.39	0.46			-19.83	-3.01		20.01			Pass
VHT50	MCS0	2	100	5500	0.45	0.45			-16.71	-3.01		20.01			Pass
VHT50	MCS0	2	110	5550	0.45	0.45			-3.17	-3.01		20.01			Pass
VHT50	MCS0	2	139	5695	0.45	0.45			-17.76	-3.01		20.01			Pass
VHT60	MCS0	2	101	5505	0.51	0.59			-19.10	-3.01		20.01			Pass
VHT60	MCS0	2	110	5550	0.51	0.59			-3.95	-3.01		20.01			Pass
VHT60	MCS0	2	138	5690	0.51	0.59			-19.26	-3.01		20.01			Pass
VHT80	MCS0	2	103	5515	0.76	0.76			-21.76	-3.01		20.01			Pass
VHT80	MCS0	2	110	5550	0.76	0.76			-6.46	-3.01		20.01			Pass
VHT80	MCS0	2	136	5680	0.76	0.76			-22.38	-3.01		20.01			Pass

TEST RESULTS DATA
Frequency Stability

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
VHT10	MCS0	1	51	5255	5255.050	0.050	9.51	80	120	
VHT10	MCS0	1	51	5255	5255.025	0.025	4.76	-40	120	
VHT10	MCS0	1	51	5255	5254.975	-0.025	-4.76	20	132	
VHT10	MCS0	1	51	5255	5254.975	-0.025	-4.76	20	108	
VHT10	MCS0	1	51	5255	5254.975	-0.025	-4.76	20	120	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
VHT10	MCS0	1	96	5480	5480.038	0.038	6.84	80	120	
VHT10	MCS0	1	96	5480	5480.025	0.025	4.56	-40	120	
VHT10	MCS0	1	96	5480	5480.013	0.013	2.28	20	132	
VHT10	MCS0	1	96	5480	5480.025	0.025	4.56	20	108	
VHT10	MCS0	1	96	5480	5480.013	0.012	2.28	20	120	

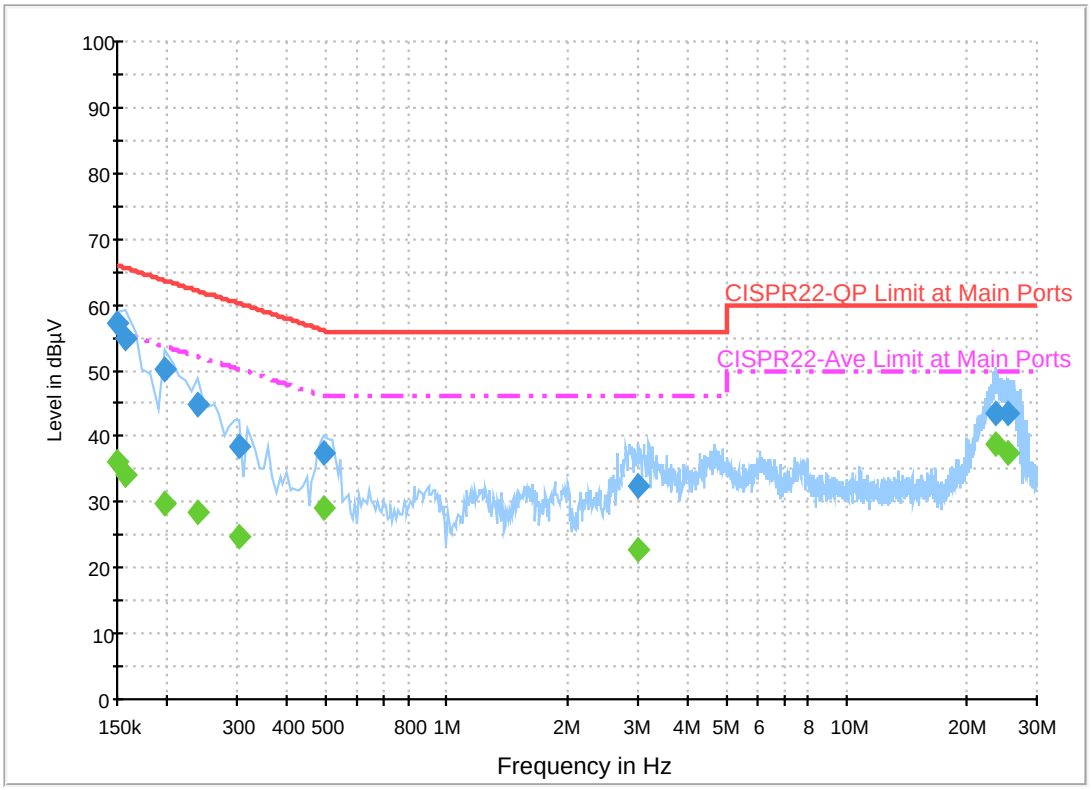
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Eric Jeng	**Temperature :**	26~28℃
		Relative Humidity :	52~55%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

ENV216 Auto Test FCC Power Bar - L



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	57.2	Off	L1	19.6	8.8	66.0
0.158000	54.7	Off	L1	19.6	10.9	65.6
0.198000	50.1	Off	L1	19.6	13.6	63.7
0.238000	44.8	Off	L1	19.6	17.4	62.2
0.302000	38.4	Off	L1	19.6	21.8	60.2
0.494000	37.3	Off	L1	19.6	18.8	56.1
3.006000	32.6	Off	L1	19.6	23.4	56.0
23.550000	43.5	Off	L1	20.7	16.5	60.0
25.318000	43.6	Off	L1	20.8	16.4	60.0

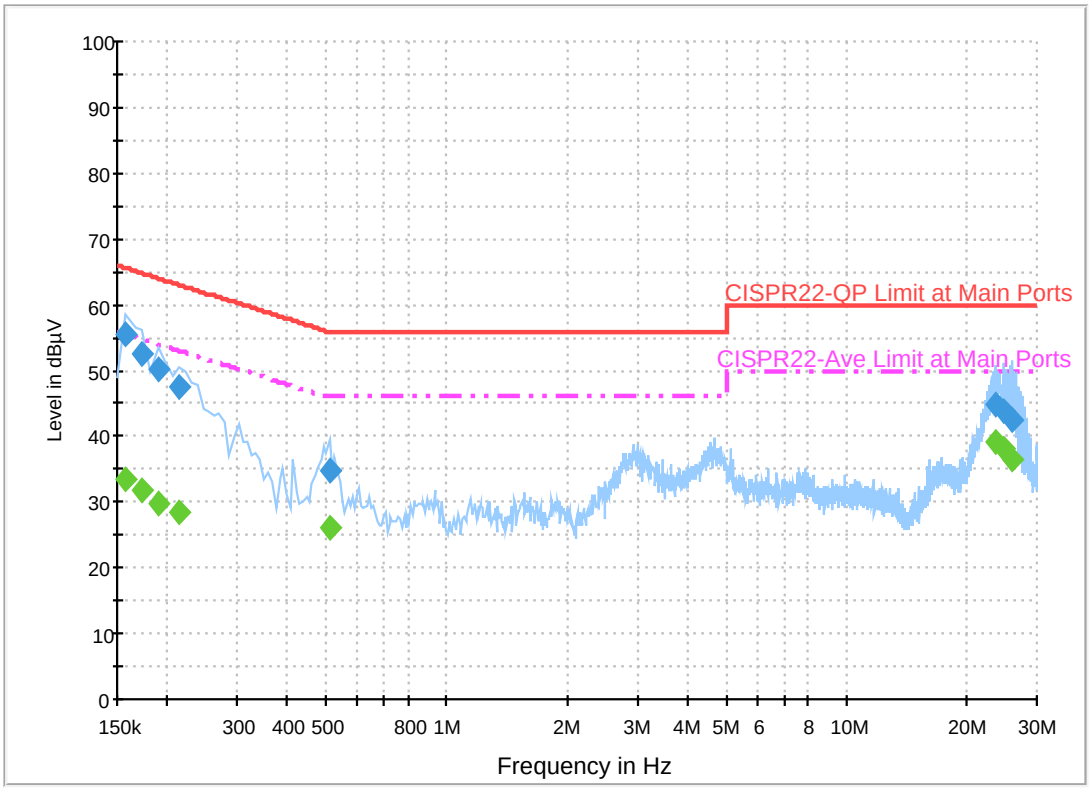
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	36.0	Off	L1	19.6	20.0	56.0
0.158000	34.1	Off	L1	19.6	21.5	55.6
0.198000	29.7	Off	L1	19.6	24.0	53.7
0.238000	28.3	Off	L1	19.6	23.9	52.2
0.302000	24.6	Off	L1	19.6	25.6	50.2
0.494000	29.0	Off	L1	19.6	17.1	46.1
3.006000	22.7	Off	L1	19.6	23.3	46.0
23.550000	38.8	Off	L1	20.7	11.2	50.0
25.318000	37.6	Off	L1	20.8	12.4	50.0

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

ENV216 Auto Test FCC Power Bar - N



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	55.4	Off	N	19.5	10.2	65.6
0.174000	52.6	Off	N	19.5	12.2	64.8
0.190000	50.2	Off	N	19.5	13.8	64.0
0.214000	47.6	Off	N	19.5	15.4	63.0
0.510000	34.8	Off	N	19.5	21.2	56.0
23.710000	44.9	Off	N	20.9	15.1	60.0
24.926000	43.7	Off	N	21.0	16.3	60.0
26.062000	42.6	Off	N	21.0	17.4	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	33.6	Off	N	19.5	22.0	55.6
0.174000	31.8	Off	N	19.5	23.0	54.8
0.190000	29.9	Off	N	19.5	24.1	54.0
0.214000	28.6	Off	N	19.5	24.4	53.0
0.510000	26.2	Off	N	19.5	19.8	46.0
23.710000	39.1	Off	N	20.9	10.9	50.0
24.926000	38.3	Off	N	21.0	11.7	50.0
26.062000	36.3	Off	N	21.0	13.7	50.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Bill Chang and Wilson Wu	Temperature :	24.7~25.4°C
		Relative Humidity :	47~54%

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT10 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5147.9	67.97	-6.03	74	59.2	31.98	7.35	30.56	247	360	P	H
		5149.6	47.55	-6.45	54	38.78	31.98	7.35	30.56	247	360	A	H
	*	5255	126.45	-	-	117.52	32.1	7.41	30.58	247	360	P	H
	*	5255	118.59	-	-	109.66	32.1	7.41	30.58	247	360	A	H
802.11ac		5359.68	72.73	-1.27	74	63.63	32.22	7.47	30.59	247	360	P	H
VHT10		5352.72	51.93	-2.07	54	42.84	32.22	7.46	30.59	247	360	A	H
CH 51		5103.36	60.31	-13.69	74	51.62	31.92	7.32	30.55	225	30	P	V
5255MHz		5141.1	43.96	-10.04	54	35.2	31.98	7.34	30.56	225	30	A	V
	*	5255	121.03	-	-	112.1	32.1	7.41	30.58	225	30	P	V
	*	5255	112.74	-	-	103.81	32.1	7.41	30.58	225	30	A	V
		5352	64.48	-9.52	74	55.39	32.22	7.46	30.59	225	30	P	V
		5355.84	44.72	-9.28	54	35.63	32.22	7.46	30.59	225	30	A	V
		5146.88	59.63	-14.37	74	50.86	31.98	7.35	30.56	209	0	P	H
		5137.7	43.48	-10.52	54	34.74	31.96	7.34	30.56	209	0	A	H
	*	5300	123.8	-	-	114.79	32.16	7.43	30.58	209	0	P	H
	*	5300	115.63	-	-	106.62	32.16	7.43	30.58	209	0	A	H
802.11ac		5351.28	73.09	-0.91	74	64	32.22	7.46	30.59	209	0	P	H
VHT10		5352.24	51.93	-2.07	54	42.84	32.22	7.46	30.59	209	0	A	H
CH 60		5129.88	60.82	-13.18	74	52.08	31.96	7.34	30.56	217	0	P	V
5300MHz		5141.1	44.62	-9.38	54	35.86	31.98	7.34	30.56	217	0	A	V
	*	5300	123.19	-	-	114.18	32.16	7.43	30.58	217	0	P	V
	*	5300	115.08	-	-	106.07	32.16	7.43	30.58	217	0	A	V
		5355.36	72.26	-1.74	74	63.17	32.22	7.46	30.59	217	0	P	V
		5350.32	50.41	-3.59	54	41.32	32.22	7.46	30.59	217	0	A	V

		5005.44	51.38	-22.62	74	42.83	31.82	7.27	30.54	225	0	P	H
		5086.02	41.38	-12.62	54	32.72	31.9	7.31	30.55	225	0	A	H
	*	5340	107.52	-	-	98.46	32.2	7.45	30.59	225	0	P	H
	*	5340	99.76	-	-	90.7	32.2	7.45	30.59	225	0	A	H
802.11ac		5355.84	58.25	-15.75	74	49.16	32.22	7.46	30.59	225	0	P	H
VHT10		5350.08	53.19	-0.81	54	44.1	32.22	7.46	30.59	225	0	A	H
CH 68		5005.78	51.37	-22.63	74	42.82	31.82	7.27	30.54	214	0	P	V
5340MHz		5089.08	41.67	-12.33	54	32.98	31.92	7.32	30.55	214	0	A	V
	*	5340	106.72	-	-	97.66	32.2	7.45	30.59	214	0	P	V
	*	5340	98.03	-	-	88.97	32.2	7.45	30.59	214	0	A	V
		5350.08	69.63	-4.37	74	60.54	32.22	7.46	30.59	214	0	P	V
		5350.08	52.02	-1.98	54	42.93	32.22	7.46	30.59	214	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 VHT10 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10510	60.87	-7.33	68.2	66.98	39.5	10.85	57	100	0	P	H
		15765	50.39	-23.61	74	55.17	37.68	13.13	56.33	100	0	P	H
802.11ac													H
VHT10													H
CH 51		10510	60.68	-7.52	68.2	66.79	39.5	10.85	57	100	0	P	V
5255MHz		15765	46.95	-27.05	74	51.73	37.68	13.13	56.33	100	0	P	V
													V
													V
		10600	56.24	-17.76	74	62.1	39.62	10.9	56.92	100	161	P	H
		10600	46.93	-7.07	54	52.79	39.62	10.9	56.92	100	161	A	H
802.11ac		15900	44.95	-29.05	74	49.91	37.37	13.2	56.26	100	0	P	H
VHT10													H
CH 60		10600	55.79	-18.21	74	61.65	39.62	10.9	56.92	147	154	P	V
5300MHz		10600	46.77	-7.23	54	52.63	39.62	10.9	56.92	147	154	A	V
		15900	45.08	-28.92	74	50.04	37.37	13.2	56.26	100	0	P	V
													V
		10680	47.13	-26.87	74	52.79	39.71	10.96	56.86	100	0	P	H
		16020	44.68	-29.32	74	49.69	37.18	13.26	56.17	100	0	P	H
802.11ac													H
VHT10													H
CH 68		10680	46.24	-27.76	74	51.9	39.71	10.96	56.86	100	0	P	V
5340MHz		16020	44.18	-29.82	74	49.19	37.18	13.26	56.17	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.18	67.05	-6.95	74	58.28	31.98	7.35	30.56	214	0	P	H
		5149.94	48.12	-5.88	54	39.35	31.98	7.35	30.56	214	0	A	H
	*	5260	128.37	-	-	119.42	32.12	7.41	30.58	214	0	P	H
	*	5260	120.53	-	-	111.58	32.12	7.41	30.58	214	0	A	H
802.11ac		5357.52	73.05	-0.95	74	63.96	32.22	7.46	30.59	214	0	P	H
VHT20		5352.72	52.55	-1.45	54	43.46	32.22	7.46	30.59	214	0	A	H
CH 52		5145.52	67.29	-6.71	74	58.52	31.98	7.35	30.56	215	4	P	V
5260MHz		5149.26	48.74	-5.26	54	39.97	31.98	7.35	30.56	215	4	A	V
	*	5260	127.85	-	-	118.9	32.12	7.41	30.58	215	4	P	V
	*	5260	120.39	-	-	111.44	32.12	7.41	30.58	215	4	A	V
		5360.16	70.23	-3.77	74	61.13	32.22	7.47	30.59	215	4	P	V
		5355.36	50.52	-3.48	54	41.43	32.22	7.46	30.59	215	4	A	V
		5145.18	58.69	-15.31	74	49.92	31.98	7.35	30.56	208	360	P	H
		5143.48	44.29	-9.71	54	35.52	31.98	7.35	30.56	208	360	A	H
	*	5300	123.71	-	-	114.7	32.16	7.43	30.58	208	360	P	H
	*	5300	116.21	-	-	107.2	32.16	7.43	30.58	208	360	A	H
802.11ac		5350.8	72.06	-1.94	74	62.97	32.22	7.46	30.59	208	360	P	H
VHT20		5350.32	51.74	-2.26	54	42.65	32.22	7.46	30.59	208	360	A	H
CH 60		5140.76	60.37	-13.63	74	51.61	31.98	7.34	30.56	212	0	P	V
5300MHz		5147.9	45.18	-8.82	54	36.41	31.98	7.35	30.56	212	0	A	V
	*	5300	123.47	-	-	114.46	32.16	7.43	30.58	212	0	P	V
	*	5300	115.61	-	-	106.6	32.16	7.43	30.58	212	0	A	V
		5353.2	70.8	-3.2	74	61.71	32.22	7.46	30.59	212	0	P	V
		5350.8	50.56	-3.44	54	41.47	32.22	7.46	30.59	212	0	A	V

		5013.94	50.38	-23.62	74	41.83	31.82	7.27	30.54	217	360	P	H
		5031.28	41.43	-12.57	54	32.85	31.84	7.28	30.54	217	360	A	H
	*	5335	97.83	-	-	88.77	32.2	7.45	30.59	217	360	P	H
	*	5335	90.04	-	-	80.98	32.2	7.45	30.59	217	360	A	H
802.11ac		5350.32	59.28	-14.72	74	50.19	32.22	7.46	30.59	217	360	P	H
VHT20		5350.08	52.9	-1.1	54	43.81	32.22	7.46	30.59	217	360	A	H
CH 67		5045.56	49.78	-24.22	74	41.18	31.86	7.29	30.55	228	0	P	V
5335MHz		5086.02	41.57	-12.43	54	32.91	31.9	7.31	30.55	228	0	A	V
	*	5335	96.85	-	-	87.79	32.2	7.45	30.59	228	0	P	V
	*	5335	89.6	-	-	80.54	32.2	7.45	30.59	228	0	A	V
		5350.08	60.49	-13.51	74	51.4	32.22	7.46	30.59	228	0	P	V
		5350.08	50.87	-3.13	54	41.78	32.22	7.46	30.59	228	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 VHT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	65.22	-2.98	68.2	71.29	39.52	10.86	56.99	100	0	P	H
		15780	63.37	-10.63	74	68.15	37.68	13.13	56.33	311	238	P	H
802.11ac		15780	53.61	-0.39	54	58.39	37.68	13.13	56.33	311	238	A	H
VHT20													H
CH 52		10520	64.16	-4.04	68.2	70.23	39.52	10.86	56.99	100	0	P	V
5260MHz		15780	59.2	-14.8	74	63.98	37.68	13.13	56.33	100	288	P	V
		15780	46.03	-7.97	54	50.81	37.68	13.13	56.33	100	288	A	V
													V
		10600	59.99	-14.01	74	65.85	39.62	10.9	56.92	100	159	P	H
		10600	49.48	-4.52	54	55.34	39.62	10.9	56.92	100	159	A	H
802.11ac		15900	45.53	-28.47	74	50.49	37.37	13.2	56.26	100	0	P	H
VHT20													H
CH 60		10600	58.66	-15.34	74	64.52	39.62	10.9	56.92	142	154	P	V
5300MHz		10600	50.21	-3.79	54	56.07	39.62	10.9	56.92	142	154	A	V
		15900	45.36	-28.64	74	50.32	37.37	13.2	56.26	100	0	P	V
													V
		10670	46.5	-27.5	74	52.17	39.71	10.95	56.86	100	0	P	H
		16005	45.35	-28.65	74	50.41	37.14	13.26	56.18	100	0	P	H
802.11ac													H
VHT20													H
CH 67		10670	46.73	-27.27	74	52.4	39.71	10.95	56.86	100	0	P	V
5335MHz		16005	45.5	-28.5	74	50.56	37.14	13.26	56.18	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 VHT30 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5141.1	63.71	-10.29	74	54.95	31.98	7.34	30.56	223	352	P	H
		5149.6	47.95	-6.05	54	39.18	31.98	7.35	30.56	223	352	A	H
	*	5265	122.57	-	-	113.62	32.12	7.41	30.58	223	352	P	H
	*	5265	115.34	-	-	106.39	32.12	7.41	30.58	223	352	A	H
802.11ac		5351.28	69.5	-4.5	74	60.41	32.22	7.46	30.59	223	352	P	H
VHT30		5350.08	52.86	-1.14	54	43.77	32.22	7.46	30.59	223	352	A	H
CH 53		5146.54	64.89	-9.11	74	56.12	31.98	7.35	30.56	217	0	P	V
5265MHz		5149.6	49.21	-4.79	54	40.44	31.98	7.35	30.56	217	0	A	V
		5265	123.58	-	-	114.63	32.12	7.41	30.58	217	0	P	V
		5265	113.03	-	-	104.08	32.12	7.41	30.58	217	0	A	V
		5352.72	68.46	-5.54	74	59.37	32.22	7.46	30.59	217	0	P	V
		5350.32	51.89	-2.11	54	42.8	32.22	7.46	30.59	217	0	A	V
		5137.7	56.67	-17.33	74	47.93	31.96	7.34	30.56	214	0	P	H
		5145.18	44.43	-9.57	54	35.66	31.98	7.35	30.56	214	0	A	H
	*	5300	119.37	-	-	110.36	32.16	7.43	30.58	214	0	P	H
	*	5300	112.33	-	-	103.32	32.16	7.43	30.58	214	0	A	H
802.11ac		5352	68.72	-5.28	74	59.63	32.22	7.46	30.59	214	0	P	H
VHT30		5351.28	53.11	-0.89	54	44.02	32.22	7.46	30.59	214	0	A	H
CH 60		5136	59.02	-14.98	74	50.28	31.96	7.34	30.56	224	0	P	V
5300MHz		5146.2	45.43	-8.57	54	36.66	31.98	7.35	30.56	224	0	A	V
	*	5300	119.5	-	-	110.49	32.16	7.43	30.58	224	0	P	V
		5300	111.69	-	-	102.68	32.16	7.43	30.58	224	0	A	V
		5352.72	68.37	-5.63	74	59.28	32.22	7.46	30.59	224	0	P	V
		5350.56	52.63	-1.37	54	43.54	32.22	7.46	30.59	224	0	A	V
		5010.2	50.14	-23.86	74	41.59	31.82	7.27	30.54	229	360	P	H
802.11ac		5032.98	42.1	-11.9	54	33.52	31.84	7.28	30.54	229	360	A	H
VHT30	*	5330	93.28	-	-	84.22	32.2	7.45	30.59	229	360	P	H
CH 66	*	5330	86.29	-	-	77.23	32.2	7.45	30.59	229	360	A	H
5330MHz		5350.08	59.42	-14.58	74	50.33	32.22	7.46	30.59	229	360	P	H
		5350.08	53.42	-0.58	54	44.33	32.22	7.46	30.59	229	360	A	H

		5081.26	51.05	-22.95	74	42.39	31.9	7.31	30.55	216	0	P	V
		5070.38	42.02	-11.98	54	33.39	31.88	7.3	30.55	216	0	A	V
	*	5330	92.98	-	-	83.92	32.2	7.45	30.59	216	0	P	V
	*	5330	85.96	-	-	76.9	32.2	7.45	30.59	216	0	A	V
		5350.08	59.54	-14.46	74	50.45	32.22	7.46	30.59	216	0	P	V
		5350.08	50.71	-3.29	54	41.62	32.22	7.46	30.59	216	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 VHT30 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10530	61.82	-6.38	68.2	67.85	39.54	10.86	56.97	100	0	P	H
		15795	56.14	-17.86	74	60.94	37.64	13.14	56.32	294	236	P	H
802.11ac		15795	44.8	-9.2	54	49.6	37.64	13.14	56.32	294	236	A	H
VHT30													H
CH 53		10530	60.72	-7.48	68.2	66.75	39.54	10.86	56.97	100	0	P	V
5265MHz		15795	45.93	-28.07	74	50.73	37.64	13.14	56.32	100	0	P	V
													V
													V
		10600	54.57	-19.43	74	60.43	39.62	10.9	56.92	101	160	P	H
		10600	44.82	-9.18	54	50.68	39.62	10.9	56.92	101	160	A	H
802.11ac		15900	45.08	-28.92	74	50.04	37.37	13.2	56.26	100	0	P	H
VHT30													H
CH 60		10600	54.63	-19.37	74	60.49	39.62	10.9	56.92	156	179	P	V
5300MHz		10600	43.91	-10.09	54	49.77	39.62	10.9	56.92	156	179	A	V
		15900	44.11	-29.89	74	49.07	37.37	13.2	56.26	100	0	P	V
													V
		10660	46.53	-27.47	74	52.24	39.69	10.95	56.88	100	0	P	H
		15990	45	-29	74	50.13	37.1	13.25	56.2	100	0	P	H
802.11ac													H
VHT30													H
CH 66		10660	47.39	-26.61	74	53.1	39.69	10.95	56.88	100	0	P	V
5330MHz		15990	44.68	-29.32	74	49.81	37.1	13.25	56.2	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5137.36	62.48	-11.52	74	53.74	31.96	7.34	30.56	230	358	P	H
		5121.72	43.59	-10.41	54	34.88	31.94	7.33	30.56	230	358	A	H
	*	5270	120.61	-	-	111.65	32.12	7.42	30.58	230	358	P	H
	*	5270	113.07	-	-	104.11	32.12	7.42	30.58	230	358	A	H
802.11ac		5353.44	56.8	-17.2	74	47.71	32.22	7.46	30.59	230	358	P	H
VHT40		5350.56	53.22	-0.78	54	44.13	32.22	7.46	30.59	230	358	A	H
CH 54		5148.92	62.8	-11.2	74	54.03	31.98	7.35	30.56	228	0	P	V
5270MHz		5148.92	47.37	-6.63	54	38.6	31.98	7.35	30.56	228	0	A	V
	*	5270	119.72	-	-	110.76	32.12	7.42	30.58	228	0	P	V
	*	5270	112.49	-	-	103.53	32.12	7.42	30.58	228	0	A	V
		5360.16	66.85	-7.15	74	57.75	32.22	7.47	30.59	228	0	P	V
		5350.32	52.05	-1.95	54	42.96	32.22	7.46	30.59	228	0	A	V
		5121.38	51.64	-22.36	74	42.93	31.94	7.33	30.56	218	0	P	H
		5127.5	42.7	-11.3	54	33.96	31.96	7.34	30.56	218	0	A	H
	*	5300	114.42	-	-	105.41	32.16	7.43	30.58	218	0	P	H
	*	5300	106.12	-	-	97.11	32.16	7.43	30.58	218	0	A	H
802.11ac		5350.08	60.72	-13.28	74	51.63	32.22	7.46	30.59	218	0	P	H
VHT40		5350.08	52.26	-1.74	54	43.17	32.22	7.46	30.59	218	0	A	H
CH 60		5148.58	56.51	-17.49	74	47.74	31.98	7.35	30.56	214	0	P	V
5300MHz		5148.92	43.12	-10.88	54	34.35	31.98	7.35	30.56	214	0	A	V
	*	5300	113.3	-	-	104.29	32.16	7.43	30.58	214	0	P	V
	*	5300	105.51	-	-	96.5	32.16	7.43	30.58	214	0	A	V
		5361.36	63.61	-10.39	74	54.49	32.24	7.47	30.59	214	0	P	V
		5350.08	50.93	-3.07	54	41.84	32.22	7.46	30.59	214	0	A	V

		5056.44	50.27	-23.73	74	41.64	31.88	7.3	30.55	195	0	P	H
		5110.84	42.47	-11.53	54	33.75	31.94	7.33	30.55	195	0	A	H
	*	5325	91.48	-	-	82.44	32.18	7.45	30.59	195	0	P	H
	*	5325	83.68	-	-	74.64	32.18	7.45	30.59	195	0	A	H
802.11ac		5351.28	59.47	-14.53	74	50.38	32.22	7.46	30.59	195	0	P	H
VHT40		5350.08	53.79	-0.21	54	44.7	32.22	7.46	30.59	195	0	A	H
CH 65		5091.8	50.64	-23.36	74	41.95	31.92	7.32	30.55	218	0	P	V
5325MHz		5101.32	42	-12	54	33.31	31.92	7.32	30.55	218	0	A	V
	*	5325	91.22	-	-	82.18	32.18	7.45	30.59	218	0	P	V
	*	5325	83.61	-	-	74.57	32.18	7.45	30.59	218	0	A	V
		5350.56	57.39	-16.61	74	48.3	32.22	7.46	30.59	218	0	P	V
		5350.08	50.95	-3.05	54	41.86	32.22	7.46	30.59	218	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. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	55.42	-12.78	68.2	61.44	39.54	10.87	56.97	100	0	P	H
		15810	45.34	-28.66	74	50.17	37.59	13.15	56.31	100	0	P	H
802.11ac													H
VHT20													H
CH 54		10540	52.5	-15.7	68.2	58.52	39.54	10.87	56.97	100	0	P	V
5270MHz		15810	46.07	-27.93	74	50.9	37.59	13.15	56.31	100	0	P	V
													V
													V
		10600	46.94	-27.06	74	52.8	39.62	10.9	56.92	100	0	P	H
		15900	44.95	-29.05	74	49.91	37.37	13.2	56.26	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	46.82	-27.18	74	52.68	39.62	10.9	56.92	100	0	P	V
5300MHz		15900	45.05	-28.95	74	50.01	37.37	13.2	56.26	100	0	P	V
													V
													V
		10650	47.7	-26.3	74	53.42	39.69	10.94	56.88	100	0	P	H
		15975	45.05	-28.95	74	50.16	37.14	13.24	56.21	100	0	P	H
802.11ac													H
VHT20													H
CH 65		10650	46.51	-27.49	74	52.23	39.69	10.94	56.88	100	0	P	V
5325MHz		15975	45.2	-28.8	74	50.31	37.14	13.24	56.21	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 VHT50 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5135.32	60.63	-13.37	74	51.89	31.96	7.34	30.56	219	359	P	H
		5147.22	45.03	-8.97	54	36.26	31.98	7.35	30.56	219	359	A	H
	*	5275	117.87	-	-	108.91	32.12	7.42	30.58	219	359	P	H
	*	5275	110.49	-	-	101.53	32.12	7.42	30.58	219	359	A	H
802.11ac		5350.08	69.64	-4.36	74	60.55	32.22	7.46	30.59	219	359	P	H
VHT50		5352.72	53.44	-0.56	54	44.35	32.22	7.46	30.59	219	359	A	H
CH 55		5143.82	60.33	-13.67	74	51.56	31.98	7.35	30.56	212	0	P	V
5275MHz		5144.5	45.87	-8.13	54	37.1	31.98	7.35	30.56	212	0	A	V
	*	5275	116.17	-	-	107.21	32.12	7.42	30.58	212	0	P	V
	*	5275	109.44	-	-	100.48	32.12	7.42	30.58	212	0	A	V
		5351.28	67.11	-6.89	74	58.02	32.22	7.46	30.59	212	0	P	V
		5350.08	53.36	-0.64	54	44.27	32.22	7.46	30.59	212	0	A	V
		5127.5	52.78	-21.22	74	44.04	31.96	7.34	30.56	228	359	P	H
		5144.16	43.93	-10.07	54	35.16	31.98	7.35	30.56	228	359	A	H
	*	5300	109.59	-	-	100.58	32.16	7.43	30.58	228	359	P	H
	*	5300	102.58	-	-	93.57	32.16	7.43	30.58	228	359	A	H
802.11ac		5352.48	58.69	-15.31	74	49.6	32.22	7.46	30.59	228	359	P	H
VHT50		5350.08	52.31	-1.69	54	43.22	32.22	7.46	30.59	228	359	A	H
CH 60		5028.22	50.86	-23.14	74	42.28	31.84	7.28	30.54	238	360	P	V
5300MHz		5146.54	42.82	-11.18	54	34.05	31.98	7.35	30.56	238	360	A	V
	*	5300	109.34	-	-	100.33	32.16	7.43	30.58	238	360	P	V
	*	5300	101.52	-	-	92.51	32.16	7.43	30.58	238	360	A	V
		5353.92	61.93	-12.07	74	52.84	32.22	7.46	30.59	238	360	P	V
		5352	49.72	-4.28	54	40.63	32.22	7.46	30.59	238	360	A	V
		5035.02	50.12	-23.88	74	41.53	31.84	7.29	30.54	224	360	P	H
802.11ac		5045.56	42.49	-11.51	54	33.89	31.86	7.29	30.55	224	360	A	H
VHT50	*	5320	90.31	-	-	81.28	32.18	7.44	30.59	224	360	P	H
CH 64	*	5320	83.01	-	-	73.98	32.18	7.44	30.59	224	360	A	H
5320MHz		5350.08	61.58	-12.42	74	52.49	32.22	7.46	30.59	224	360	P	H
		5350.08	52.77	-1.23	54	43.68	32.22	7.46	30.59	224	360	A	H

		5028.56	50.63	-23.37	74	42.05	31.84	7.28	30.54	225	0	P	V
		5119.68	42.37	-11.63	54	33.66	31.94	7.33	30.56	225	0	A	V
	*	5320	89.77	-	-	80.74	32.18	7.44	30.59	225	0	P	V
	*	5320	82.67	-	-	73.64	32.18	7.44	30.59	225	0	A	V
		5350.08	57.83	-16.17	74	48.74	32.22	7.46	30.59	225	0	P	V
		5350.08	50.91	-3.09	54	41.82	32.22	7.46	30.59	225	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 VHT50 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10550	56.97	-11.23	68.2	62.96	39.56	10.87	56.96	100	0	P	H
		15825	45.6	-28.4	74	50.46	37.55	13.16	56.3	100	0	P	H
802.11ac													H
VHT50													H
CH 55		10550	53.08	-15.12	68.2	59.07	39.56	10.87	56.96	100	0	P	V
5275MHz		15825	45.33	-28.67	74	50.19	37.55	13.16	56.3	100	0	P	V
													V
													V
		10600	47.49	-26.51	74	53.35	39.62	10.9	56.92	100	0	P	H
		15900	44.27	-29.73	74	49.23	37.37	13.2	56.26	100	0	P	H
802.11ac													H
VHT50													H
CH 60		10600	47.45	-26.55	74	53.31	39.62	10.9	56.92	100	0	P	V
5300MHz		15900	44.6	-29.4	74	49.56	37.37	13.2	56.26	100	0	P	V
													V
													V
		10640	46.29	-27.71	74	52.05	39.67	10.93	56.89	100	0	P	H
		15960	45.71	-28.29	74	50.79	37.19	13.23	56.22	100	0	P	H
802.11ac													H
VHT40													H
CH 64		10640	46.41	-27.59	74	52.17	39.67	10.93	56.89	100	0	P	V
5320MHz		15960	45.68	-28.32	74	50.76	37.19	13.23	56.22	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 VHT60 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.94	54.93	-19.07	74	46.16	31.98	7.35	30.56	209	0	P	H
		5124.1	44.31	-9.69	54	35.58	31.96	7.33	30.56	209	0	A	H
	*	5280	110.41	-	-	101.43	32.14	7.42	30.58	209	0	P	H
	*	5280	103.48	-	-	94.5	32.14	7.42	30.58	209	0	A	H
802.11ac		5352.24	63.62	-10.38	74	54.53	32.22	7.46	30.59	209	0	P	H
VHT60		5350.32	52	-2	54	42.91	32.22	7.46	30.59	209	0	A	H
CH 56		5141.1	54.8	-19.2	74	46.04	31.98	7.34	30.56	217	0	P	V
5280MHz		5145.52	45.32	-8.68	54	36.55	31.98	7.35	30.56	217	0	A	V
	*	5280	110.7	-	-	101.72	32.14	7.42	30.58	217	0	P	V
	*	5280	103.73	-	-	94.75	32.14	7.42	30.58	217	0	A	V
		5350.08	60.86	-13.14	74	51.77	32.22	7.46	30.59	217	0	P	V
		5350.08	48.95	-5.05	54	39.86	32.22	7.46	30.59	217	0	A	V
		5082.28	51.64	-22.36	74	42.98	31.9	7.31	30.55	224	356	P	H
		5096.22	42.7	-11.3	54	34.01	31.92	7.32	30.55	224	356	A	H
	*	5300	102.69	-	-	93.68	32.16	7.43	30.58	224	356	P	H
	*	5300	95.9	-	-	86.89	32.16	7.43	30.58	224	356	A	H
802.11ac		5350.08	63.03	-10.97	74	53.94	32.22	7.46	30.59	224	356	P	H
VHT60		5350.08	53.43	-0.57	54	44.34	32.22	7.46	30.59	224	356	A	H
CH 60		5067.66	50.49	-23.51	74	41.86	31.88	7.3	30.55	252	360	P	V
5300MHz		5146.2	42.56	-11.44	54	33.79	31.98	7.35	30.56	252	360	A	V
	*	5300	101.54	-	-	92.53	32.16	7.43	30.58	252	360	P	V
	*	5300	94.73	-	-	85.72	32.16	7.43	30.58	252	360	A	V
		5354.88	55.53	-18.47	74	46.44	32.22	7.46	30.59	252	360	P	V
		5351.28	48.45	-5.55	54	39.36	32.22	7.46	30.59	252	360	A	V
		5092.82	50.49	-23.51	74	41.8	31.92	7.32	30.55	194	0	P	H
802.11ac		5025.84	42.42	-11.58	54	33.84	31.84	7.28	30.54	194	0	A	H
VHT60	*	5315	90.77	-	-	81.74	32.18	7.44	30.59	194	0	P	H
CH 63	*	5315	83.49	-	-	74.46	32.18	7.44	30.59	194	0	A	H
5315MHz		5352.24	59.9	-14.1	74	50.81	32.22	7.46	30.59	194	0	P	H
		5350.32	53.62	-0.38	54	44.53	32.22	7.46	30.59	194	0	A	H

		5074.8	50.72	-23.28	74	42.06	31.9	7.31	30.55	226	360	P	V
		5096.56	42.29	-11.71	54	33.6	31.92	7.32	30.55	226	360	A	V
	*	5315	90.4	-	-	81.37	32.18	7.44	30.59	226	360	P	V
	*	5315	83.07	-	-	74.04	32.18	7.44	30.59	226	360	A	V
		5350.32	56.21	-17.79	74	47.12	32.22	7.46	30.59	226	360	P	V
		5350.08	50.47	-3.53	54	41.38	32.22	7.46	30.59	226	360	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT60 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10560	46.58	-21.62	68.2	52.56	39.56	10.88	56.96	100	0	P	H
		15840	45.16	-28.84	74	50.05	37.5	13.17	56.29	100	0	P	H
802.11ac													H
VHT60													H
CH 56		10560	47.42	-20.78	68.2	53.4	39.56	10.88	56.96	100	0	P	V
5280MHz		15840	45.98	-28.02	74	50.87	37.5	13.17	56.29	100	0	P	V
													V
													V
		10600	47.78	-26.22	74	53.64	39.62	10.9	56.92	100	0	P	H
		15900	44.71	-29.29	74	49.67	37.37	13.2	56.26	100	0	P	H
802.11ac													H
VHT60													H
CH 60												P	V
5300MHz		10600	47.44	-26.56	74	53.3	39.62	10.9	56.92	100	0	P	V
		15900	44.48	-29.52	74	49.44	37.37	13.2	56.26	100	0		V
													V
		10630	47.64	-26.36	74	53.44	39.64	10.93	56.9	100	0	P	H
		15945	44	-30	74	49.05	37.23	13.23	56.23	100	0	P	H
802.11ac													H
VHT60													H
CH 63		10630	46.94	-27.06	74	52.74	39.64	10.93	56.9	100	0	P	V
5315MHz		15945	45.05	-28.95	74	50.1	37.23	13.23	56.23	100	0	P	V
													V
													V

Remark

3. No other spurious found.
4. All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5133.96	50.98	-23.02	74	42.24	31.96	7.34	30.56	198	360	P	H
		5096.9	44.31	-9.69	54	35.62	31.92	7.32	30.55	198	360	A	H
	*	5290	96.87	-	-	87.88	32.14	7.43	30.58	198	360	P	H
	*	5290	89.92	-	-	80.93	32.14	7.43	30.58	198	360	A	H
802.11ac		5352.24	59.85	-14.15	74	50.76	32.22	7.46	30.59	198	360	P	H
VHT80		5350.56	53.43	-0.57	54	44.34	32.22	7.46	30.59	198	360	A	H
CH 58		5105.4	51.1	-22.9	74	42.41	31.92	7.32	30.55	207	0	P	V
5290MHz		5139.4	44.06	-9.94	54	35.32	31.96	7.34	30.56	207	0	A	V
	*	5290	96.87	-	-	87.88	32.14	7.43	30.58	207	0	P	V
	*	5290	90.22	-	-	81.23	32.14	7.43	30.58	207	0	A	V
		5350.08	54.91	-19.09	74	45.82	32.22	7.46	30.59	207	0	P	V
		5350.08	48.23	-5.77	54	39.14	32.22	7.46	30.59	207	0	A	V
		5098.94	51.28	-22.72	74	42.59	31.92	7.32	30.55	226	0	P	H
		5064.6	43.76	-10.24	54	35.13	31.88	7.3	30.55	226	0	A	H
	*	5300	89.36	-	-	80.35	32.16	7.43	30.58	226	0	P	H
	*	5300	82.53	-	-	73.52	32.16	7.43	30.58	226	0	A	H
802.11ac		5350.56	57.74	-16.26	74	48.65	32.22	7.46	30.59	226	0	P	H
VHT80		5350.56	52.49	-1.51	54	43.4	32.22	7.46	30.59	226	0	A	H
CH 60		5054.74	51.15	-22.85	74	42.52	31.88	7.3	30.55	218	1	P	V
5300MHz		5137.02	43.82	-10.18	54	35.08	31.96	7.34	30.56	218	1	A	V
	*	5300	90.16	-	-	81.15	32.16	7.43	30.58	218	1	P	V
	*	5300	83.53	-	-	74.52	32.16	7.43	30.58	218	1	A	V
		5350.8	60.6	-13.4	74	51.51	32.22	7.46	30.59	218	1	P	V
		5350.08	53.03	-0.97	54	43.94	32.22	7.46	30.59	218	1	A	V
		5077.52	50.64	-23.36	74	41.98	31.9	7.31	30.55	197	360	P	H
802.11ac		5087.38	43.91	-10.09	54	35.25	31.9	7.31	30.55	197	360	A	H
VHT80	*	5305	85.51	-	-	76.49	32.16	7.44	30.58	197	360	P	H
CH 61	*	5305	77.56	-	-	68.54	32.16	7.44	30.58	197	360	A	H
5305MHz		5351.52	60.48	-13.52	74	51.39	32.22	7.46	30.59	197	360	P	H
		5350.08	53.42	-0.58	54	44.33	32.22	7.46	30.59	197	360	A	H

		5004.42	50.74	-23.26	74	42.19	31.82	7.27	30.54	225	0	P	V
		5109.82	44.13	-9.87	54	35.41	31.94	7.33	30.55	225	0	A	V
	*	5305	85.08	-	-	76.06	32.16	7.44	30.58	225	0	P	V
	*	5305	78.4	-	-	69.38	32.16	7.44	30.58	225	0	A	V
		5352.48	59.35	-14.65	74	50.26	32.22	7.46	30.59	225	0	P	V
		5351.76	51.72	-2.28	54	42.63	32.22	7.46	30.59	225	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 VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.76	-21.44	68.2	52.66	39.6	10.89	56.93	100	0	P	H
		15870	46.57	-27.43	74	51.52	37.41	13.18	56.27	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.57	-21.63	68.2	52.47	39.6	10.89	56.93	100	0	P	V
5290MHz		15870	45.16	-28.84	74	50.11	37.41	13.18	56.27	100	0	P	V
													V
													V
		10600	46.71	-27.29	74	52.57	39.62	10.9	56.92	100	0	P	H
		15900	45.01	-28.99	74	49.97	37.37	13.2	56.26	100	0	P	H
802.11ac													H
VHT80													H
CH 60		10600	46.61	-27.39	74	52.47	39.62	10.9	56.92	100	0	P	V
5300MHz		15900	44.03	-29.97	74	48.99	37.37	13.2	56.26	100	0	P	V
													V
													V
		10610	46.25	-27.75	74	52.1	39.62	10.92	56.92	100	0	P	H
		15915	45.07	-28.93	74	50.06	37.32	13.21	56.25	100	0	P	H
802.11ac													H
VHT80													H
CH 61		10610	47.49	-26.51	74	53.34	39.62	10.92	56.92	100	0	P	V
5305MHz		15915	44.46	-29.54	74	49.45	37.32	13.21	56.25	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 VHT10 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5458	62.6	-11.4	74	53.32	32.34	7.54	30.6	188	355	P	H
		5463.76	66.95	-1.25	68.2	57.66	32.36	7.54	30.61	188	355	P	H
		5459.44	44.33	-9.67	54	35.05	32.34	7.54	30.6	188	355	A	H
	*	5480	106.89	-	-	97.56	32.38	7.56	30.61	188	355	P	H
802.11ac	*	5480	98.7	-	-	89.37	32.38	7.56	30.61	188	355	A	H
VHT10		5729.09	51.85	-16.35	68.2	42.13	32.62	7.81	30.71	188	355	P	H
CH 96		5457.04	61.28	-12.72	74	52	32.34	7.54	30.6	204	360	P	V
5480MHz		5464.24	65.57	-2.63	68.2	56.28	32.36	7.54	30.61	204	360	P	V
		5459.68	43.3	-10.7	54	34.02	32.34	7.54	30.6	204	360	A	V
	*	5480	105.36	-	-	96.03	32.38	7.56	30.61	204	360	P	V
	*	5480	97.45	-	-	88.12	32.38	7.56	30.61	204	360	A	V
		5733.185	51	-17.2	68.2	41.28	32.62	7.81	30.71	204	360	P	V
		5459.2	65.26	-8.74	74	55.98	32.34	7.54	30.6	254	354	P	H
		5467.12	67.71	-0.49	68.2	58.4	32.36	7.56	30.61	254	354	P	H
		5458.72	45.48	-8.52	54	36.2	32.34	7.54	30.6	254	354	A	H
	*	5550	121.9	-	-	112.45	32.45	7.63	30.63	254	354	P	H
802.11ac	*	5550	112.77	-	-	103.32	32.45	7.63	30.63	254	354	A	H
VHT10		5729.405	57.82	-10.38	68.2	48.1	32.62	7.81	30.71	254	354	P	H
CH 110		5457.76	64.22	-9.78	74	54.94	32.34	7.54	30.6	222	1	P	V
5550MHz		5467.84	65.17	-3.03	68.2	55.86	32.36	7.56	30.61	222	1	P	V
		5459.2	44.49	-9.51	54	35.21	32.34	7.54	30.6	222	1	A	V
	*	5550	121.02	-	-	111.57	32.45	7.63	30.63	222	1	P	V
	*	5550	112.46	-	-	103.01	32.45	7.63	30.63	222	1	A	V
		5751.77	57.23	-10.97	68.2	47.47	32.66	7.83	30.73	222	1	P	V

	*	5715	107.99	-	-	98.3	32.61	7.79	30.71	170	360	P	H
	*	5715	98.88	-	-	89.19	32.61	7.79	30.71	170	360	A	H
		5729.16	67.02	-1.18	68.2	57.3	32.62	7.81	30.71	170	360	P	H
													H
802.11ac													H
VHT10													H
CH 143	*	5715	105.17	-	-	95.48	32.61	7.79	30.71	184	360	P	V
5715MHz	*	5715	95.97	-	-	86.28	32.61	7.79	30.71	184	360	A	V
		5725.8	64.98	-3.22	68.2	55.26	32.62	7.81	30.71	184	360	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 VHT10 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10960	48.14	-25.86	74	53.04	40.06	11.14	56.63	100	0	P	H
		16440	45.3	-22.9	68.2	48.96	38.14	13.28	55.77	100	0	P	H
802.11ac													H
VHT10													H
CH 96		10960	47.85	-26.15	74	52.75	40.06	11.14	56.63	100	0	P	V
5480MHz		16440	45.09	-23.11	68.2	48.75	38.14	13.28	55.77	100	0	P	V
													V
													V
		11100	50.72	-23.28	74	55.51	40.06	11.19	56.56	146	125	P	H
		11100	43.38	-10.62	54	48.17	40.06	11.19	56.56	146	125	A	H
802.11ac		16650	46.46	-21.74	68.2	49.42	38.83	13.29	55.76	100	0	P	H
VHT10													H
CH 110		11100	53.07	-20.93	74	57.86	40.06	11.19	56.56	143	151	P	V
5550MHz		11100	44.95	-9.05	54	49.74	40.06	11.19	56.56	143	151	A	V
		16650	46.01	-22.19	68.2	48.97	38.83	13.29	55.76	100	0	P	V
													V
		11430	46.77	-27.23	74	51.48	39.93	11.28	56.43	100	0	P	H
		17145	48.13	-20.07	68.2	49.87	40.36	13.39	56.14	100	0	P	H
802.11ac													H
VHT10													H
CH 143		11430	46.71	-27.29	74	51.42	39.93	11.28	56.43	100	0	P	V
5715MHz		17145	48.27	-19.93	68.2	50.01	40.36	13.39	56.14	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.68	54.28	-19.72	74	45	32.34	7.54	30.6	170	0	P	H
		5470	67.31	-0.89	68.2	58	32.36	7.56	30.61	170	0	P	H
		5456.56	42.21	-11.79	54	32.93	32.34	7.54	30.6	170	0	A	H
	*	5485	101.52	-	-	92.17	32.38	7.58	30.61	170	0	P	H
802.11ac	*	5485	93.06	-	-	83.71	32.38	7.58	30.61	170	0	A	H
VHT20													H
CH 97		5445.52	52.02	-21.98	74	42.76	32.34	7.52	30.6	186	360	P	V
5485MHz		5469.52	62.52	-5.68	68.2	53.21	32.36	7.56	30.61	186	360	P	V
		5459.12	41.37	-12.63	54	32.09	32.34	7.54	30.6	186	360	A	V
	*	5485	99.6	-	-	90.25	32.38	7.58	30.61	186	360	P	V
	*	5485	92.02	-	-	82.67	32.38	7.58	30.61	186	360	A	V
													V
		5450.56	67.61	-6.39	74	58.33	32.34	7.54	30.6	229	355	P	H
		5464.48	67.23	-0.97	68.2	57.94	32.36	7.54	30.61	229	355	P	H
		5458.24	49.11	-4.89	54	39.83	32.34	7.54	30.6	229	355	A	H
	*	5550	125.14	-	-	115.69	32.45	7.63	30.63	229	355	P	H
802.11ac	*	5550	117.47	-	-	108.02	32.45	7.63	30.63	229	355	A	H
VHT20		5727.515	59.76	-8.44	68.2	50.04	32.62	7.81	30.71	229	355	P	H
CH 110		5457.76	67.19	-6.81	74	57.91	32.34	7.54	30.6	221	0	P	V
5550MHz		5462.8	66.67	-1.53	68.2	57.38	32.36	7.54	30.61	221	0	P	V
		5458.72	47.77	-6.23	54	38.49	32.34	7.54	30.6	221	0	A	V
	*	5550	123.49	-	-	114.04	32.45	7.63	30.63	221	0	P	V
	*	5550	116.14	-	-	106.69	32.45	7.63	30.63	221	0	A	V
		5732.555	58.23	-9.97	68.2	48.51	32.62	7.81	30.71	221	0	P	V

	*	5710	101.16	-	-	91.46	32.61	7.79	30.7	168	360	P	H
	*	5710	92.57	-	-	82.87	32.61	7.79	30.7	168	360	A	H
		5725.32	67	-1.2	68.2	57.28	32.62	7.81	30.71	168	360	P	H
													H
802.11ac													H
VHT20													H
CH 142	*	5710	99.22	-	-	89.52	32.61	7.79	30.7	191	360	P	V
5710MHz	*	5710	91.25	-	-	81.55	32.61	7.79	30.7	191	360	A	V
		5725.24	62.58	-5.62	68.2	52.86	32.62	7.81	30.71	191	360	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10970	48.61	-25.39	74	53.5	40.06	11.15	56.63	100	0	P	H
		16455	44.48	-23.72	68.2	48.08	38.18	13.28	55.75	100	0	P	H
802.11ac													H
VHT20													H
CH 97		10970	47.8	-26.2	74	52.69	40.06	11.15	56.63	100	0	P	V
5485MHz		16455	45.1	-23.1	68.2	48.7	38.18	13.28	55.75	100	0	P	V
													V
													V
		11100	58.48	-15.52	74	63.27	40.06	11.19	56.56	131	123	P	H
		11100	49.54	-4.46	54	54.33	40.06	11.19	56.56	131	123	A	H
802.11ac		16650	47.47	-20.73	68.2	50.43	38.83	13.29	55.76	100	0	P	H
VHT20													H
CH 110		11100	61.68	-12.32	74	66.47	40.06	11.19	56.56	138	148	P	V
5550MHz		11100	53.24	-0.76	54	58.03	40.06	11.19	56.56	138	148	A	V
		16650	46.04	-22.16	68.2	49	38.83	13.29	55.76	100	0	P	V
													V
		11420	48.12	-25.88	74	52.83	39.93	11.28	56.43	100	0	P	H
		17130	49.14	-19.06	68.2	50.89	40.32	13.39	56.11	100	0	P	H
802.11ac													H
VHT20													H
CH 142		11420	46.8	-27.2	74	51.51	39.93	11.28	56.43	100	0	P	V
5710MHz		17130	49.41	-18.79	68.2	51.16	40.32	13.39	56.11	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 VHT30 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5451.76	50.67	-23.33	74	41.39	32.34	7.54	30.6	170	0	P	H
		5470	64.5	-3.7	68.2	55.19	32.36	7.56	30.61	170	0	P	H
		5459.92	43.1	-10.9	54	33.82	32.34	7.54	30.6	170	0	A	H
	*	5490	98.26	-	-	88.91	32.38	7.58	30.61	170	0	P	H
802.11ac	*	5490	91.35	-	-	82	32.38	7.58	30.61	170	0	A	H
VHT30		5752.085	50.34	-17.86	68.2	40.58	32.66	7.83	30.73	170	0	P	H
CH 98		5457.52	52.46	-21.54	74	43.18	32.34	7.54	30.6	177	3	P	V
5490MHz		5470	67.39	-0.81	68.2	58.08	32.36	7.56	30.61	177	3	P	V
		5459.92	42.33	-11.67	54	33.05	32.34	7.54	30.6	177	3	A	V
	*	5490	100.01	-	-	90.66	32.38	7.58	30.61	177	3	P	V
	*	5490	93.38	-	-	84.03	32.38	7.58	30.61	177	3	A	V
		5765	49.64	-18.56	68.2	39.88	32.66	7.84	30.74	177	3	P	V
		5459.92	64.96	-9.04	74	55.68	32.34	7.54	30.6	236	354	P	H
		5468.08	67.16	-1.04	68.2	57.85	32.36	7.56	30.61	236	354	P	H
		5459.2	49.22	-4.78	54	39.94	32.34	7.54	30.6	236	354	A	H
	*	5550	120.49	-	-	111.04	32.45	7.63	30.63	236	354	P	H
802.11ac	*	5550	113.42	-	-	103.97	32.45	7.63	30.63	236	354	A	H
VHT30		5732.87	56.27	-11.93	68.2	46.55	32.62	7.81	30.71	236	354	P	H
CH 110		5444.32	64.34	-9.66	74	55.1	32.32	7.52	30.6	229	0	P	V
5550MHz		5465.2	65.85	-2.35	68.2	56.56	32.36	7.54	30.61	229	0	P	V
		5458.72	48.22	-5.78	54	38.94	32.34	7.54	30.6	229	0	A	V
	*	5550	119.32	-	-	109.87	32.45	7.63	30.63	229	0	P	V
	*	5550	112.34	-	-	102.89	32.45	7.63	30.63	229	0	A	V
		5738.855	56.54	-11.66	68.2	46.8	32.64	7.83	30.73	229	0	P	V

		5390.95	50.68	-23.32	74	41.54	32.26	7.48	30.6	189	360	P	H
		5469.35	49.13	-19.07	68.2	39.82	32.36	7.56	30.61	189	360	P	H
		5390.95	41.93	-12.07	54	32.79	32.26	7.48	30.6	189	360	A	H
	*	5705	97.62	-	-	87.92	32.61	7.79	30.7	189	360	P	H
802.11ac	*	5705	90.58	-	-	80.88	32.61	7.79	30.7	189	360	A	H
VHT30		5725	67.68	-0.52	68.2	57.96	32.62	7.81	30.71	189	360	P	H
CH 141		5455.7	50.81	-23.19	74	41.53	32.34	7.54	30.6	213	1	P	V
5705MHz		5464.1	51.43	-16.77	68.2	42.14	32.36	7.54	30.61	213	1	P	V
		5453.6	41.53	-12.47	54	32.25	32.34	7.54	30.6	213	1	A	V
	*	5705	95.92	-	-	86.22	32.61	7.79	30.7	213	1	P	V
	*	5705	88.89	-	-	79.19	32.61	7.79	30.7	213	1	A	V
		5725	61.48	-6.72	68.2	51.76	32.62	7.81	30.71	213	1	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 VHT30 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10980	48.26	-25.74	74	53.11	40.08	11.15	56.61	100	0	P	H
		16470	44.83	-23.37	68.2	48.37	38.22	13.28	55.73	100	0	P	H
802.11ac													H
VHT30													H
CH 98		10980	48.33	-25.67	74	53.18	40.08	11.15	56.61	100	0	P	V
5490MHz		16470	45.2	-23	68.2	48.74	38.22	13.28	55.73	100	0	P	V
													V
													V
		11100	55.29	-18.71	74	60.08	40.06	11.19	56.56	103	158	P	H
		11100	45.72	-8.28	54	50.51	40.06	11.19	56.56	103	158	A	H
802.11ac		16650	46.5	-21.7	68.2	49.46	38.83	13.29	55.76	100	0	P	H
VHT30													H
CH 110		11100	58.71	-15.29	74	63.5	40.06	11.19	56.56	129	151	P	V
5550MHz		11100	49.01	-4.99	54	53.8	40.06	11.19	56.56	129	151	A	V
		16650	47.59	-20.61	68.2	50.55	38.83	13.29	55.76	100	0	P	V
													V
		11410	47.05	-26.95	74	51.77	39.94	11.27	56.44	100	0	P	H
		17115	48.71	-19.49	68.2	50.49	40.28	13.38	56.09	100	0	P	H
802.11ac													H
VHT30													H
CH 141		11410	46.69	-27.31	74	51.41	39.94	11.27	56.44	100	0	P	V
5705MHz		17415	48.52	-19.68	68.2	49.91	41	13.55	56.57	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.68	54.98	-19.02	74	45.7	32.34	7.54	30.6	184	355	P	H
		5469.28	67.58	-0.62	68.2	58.27	32.36	7.56	30.61	184	355	P	H
		5459.92	46.74	-7.26	54	37.46	32.34	7.54	30.6	184	355	A	H
	*	5495	99.57	-	-	90.22	32.38	7.58	30.61	184	355	P	H
802.11ac	*	5495	91.15	-	-	81.8	32.38	7.58	30.61	184	355	A	H
VHT40		5726.57	50.08	-18.12	68.2	40.36	32.62	7.81	30.71	184	355	P	H
CH 99		5456.08	53.26	-20.74	74	43.98	32.34	7.54	30.6	176	360	P	V
5495MHz		5469.04	66.12	-2.08	68.2	56.81	32.36	7.56	30.61	176	360	P	V
		5459.92	46.29	-7.71	54	37.01	32.34	7.54	30.6	176	360	A	V
	*	5495	98.89	-	-	89.54	32.38	7.58	30.61	176	360	P	V
	*	5495	90.9	-	-	81.55	32.38	7.58	30.61	176	360	A	V
		5744.21	49.95	-18.25	68.2	40.21	32.64	7.83	30.73	176	360	P	V
		5449.6	65.58	-8.42	74	56.3	32.34	7.54	30.6	236	354	P	H
		5464.48	66.84	-1.36	68.2	57.55	32.36	7.54	30.61	236	354	P	H
		5458.96	49.6	-4.4	54	40.32	32.34	7.54	30.6	236	354	A	H
	*	5550	118.87	-	-	109.42	32.45	7.63	30.63	236	354	P	H
802.11ac	*	5550	110.02	-	-	100.57	32.45	7.63	30.63	236	354	A	H
VHT40		5724.995	58.89	-91.11	150	49.17	32.62	7.81	30.71	236	354	P	H
CH 100		5458.96	65.17	-8.83	74	55.89	32.34	7.54	30.6	230	0	P	V
5500MHz		5469.76	65.56	-2.64	68.2	56.25	32.36	7.56	30.61	230	0	P	V
		5456.8	48.17	-5.83	54	38.89	32.34	7.54	30.6	230	0	A	V
	*	5550	117.67	-	-	108.22	32.45	7.63	30.63	230	0	P	V
	*	5550	109.34	-	-	99.89	32.45	7.63	30.63	230	0	A	V
		5731.925	57.17	-11.03	68.2	47.45	32.62	7.81	30.71	230	0	P	V
		5418.95	51.35	-22.65	74	42.14	32.3	7.51	30.6	190	180	P	H
802.11ac		5467.95	50.01	-18.19	68.2	40.7	32.36	7.56	30.61	190	180	P	H
VHT40		5388.85	42.36	-11.64	54	33.22	32.26	7.48	30.6	190	180	A	H
CH 140	*	5700	96.47	-	-	86.79	32.59	7.79	30.7	190	180	P	H
5700MHz	*	5700	88.94	-	-	79.26	32.59	7.79	30.7	190	180	A	H
		5725.31	67.69	-0.51	68.2	57.97	32.62	7.81	30.71	190	180	P	H

		5390.25	51.36	-22.64	74	42.22	32.26	7.48	30.6	202	180	P	V
		5461.65	50.34	-17.86	68.2	41.06	32.34	7.54	30.6	202	180	P	V
		5353.15	41.64	-12.36	54	32.55	32.22	7.46	30.59	202	180	A	V
	*	5700	95.6	-	-	85.92	32.59	7.79	30.7	202	180	P	V
	*	5700	87.77	-	-	78.09	32.59	7.79	30.7	202	180	A	V
		5725.31	64.52	-3.68	68.2	54.8	32.62	7.81	30.71	202	180	P	V

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10990	48.19	-25.81	74	53	40.1	11.16	56.6	100	0	P	H
		16485	45.24	-22.96	68.2	48.73	38.26	13.28	55.72	100	0	P	H
802.11ac													H
VHT40													H
CH 99		10990	47.68	-26.32	74	52.49	40.1	11.16	56.6	100	0	P	V
5495MHz		16485	45.48	-22.72	68.2	48.97	38.26	13.28	55.72	100	0	P	V
													V
													V
		11100	51.9	-22.1	74	56.69	40.06	11.19	56.56	128	245	P	H
		11100	43.42	-10.58	54	48.21	40.06	11.19	56.56	128	245	A	H
802.11ac		16650	46.56	-21.64	68.2	49.52	38.83	13.29	55.76	100	0	P	H
VHT40													H
CH 110		11100	53.71	-20.29	74	58.5	40.06	11.19	56.56	121	149	P	V
5550MHz		11100	46.19	-7.81	54	50.98	40.06	11.19	56.56	121	149	A	V
		16650	46.55	-21.65	68.2	49.51	38.83	13.29	55.76	100	0	P	V
													V
		11400	47.48	-26.52	74	52.19	39.94	11.27	56.44	100	0	P	H
		17100	50.06	-18.14	68.2	51.86	40.24	13.37	56.06	100	0	P	H
802.11ac													H
VHT40													H
CH 140		11400	47.37	-26.63	74	52.08	39.94	11.27	56.44	100	0	P	V
5700MHz		17100	48.35	-19.85	68.2	50.15	40.24	13.37	56.06	100	0	P	V
													V
													V

Remark

3. No other spurious found.
4. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT50 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	52.33	-21.67	74	43.05	32.34	7.54	30.6	169	0	P	H
		5469.76	67.23	-0.97	68.2	57.92	32.36	7.56	30.61	169	0	P	H
		5459.92	46.32	-7.68	54	37.04	32.34	7.54	30.6	169	0	A	H
	*	5500	96.3	-	-	86.93	32.4	7.58	30.61	169	0	P	H
802.11ac	*	5500	88.87	-	-	79.5	32.4	7.58	30.61	169	0	A	H
VHT50		5730.98	51.05	-17.15	68.2	41.33	32.62	7.81	30.71	169	0	P	H
CH 100		5459.2	54.03	-19.97	74	44.75	32.34	7.54	30.6	194	360	P	V
5500MHz		5469.76	64.62	-3.58	68.2	55.31	32.36	7.56	30.61	194	360	P	V
		5459.92	47.82	-6.18	54	38.54	32.34	7.54	30.6	194	360	A	V
	*	5500	96.4	-	-	87.03	32.4	7.58	30.61	194	360	P	V
	*	5500	88.98	-	-	79.61	32.4	7.58	30.61	194	360	A	V
		5748.305	49.72	-18.48	68.2	39.98	32.64	7.83	30.73	194	360	P	V
		5458.72	66.92	-7.08	74	57.64	32.34	7.54	30.6	226	355	P	H
		5467.36	67.61	-0.59	68.2	58.3	32.36	7.56	30.61	226	355	P	H
		5457.52	49.65	-4.35	54	40.37	32.34	7.54	30.6	226	355	A	H
	*	5550	117.6	-	-	108.15	32.45	7.63	30.63	226	355	P	H
802.11ac	*	5550	109.43	-	-	99.98	32.45	7.63	30.63	226	355	A	H
VHT50		5751.14	58.3	-9.9	68.2	48.56	32.64	7.83	30.73	226	355	P	H
CH 110		5459.2	66.31	-7.69	74	57.03	32.34	7.54	30.6	225	0	P	V
5550MHz		5469.28	66.51	-1.69	68.2	57.2	32.36	7.56	30.61	225	0	P	V
		5459.44	49.47	-4.53	54	40.19	32.34	7.54	30.6	225	0	A	V
	*	5550	116.35	-	-	106.9	32.45	7.63	30.63	225	0	P	V
	*	5550	107.39	-	-	97.94	32.45	7.63	30.63	225	0	A	V
		5729.405	58.67	-9.53	68.2	48.95	32.62	7.81	30.71	225	0	P	V

		5401.1	50.17	-23.83	74	41	32.28	7.49	30.6	237	360	P	H
		5469.7	49.33	-18.87	68.2	40.02	32.36	7.56	30.61	237	360	P	H
		5407.4	42.79	-11.21	54	33.62	32.28	7.49	30.6	237	360	A	H
	*	5695	97.38	-	-	87.72	32.59	7.77	30.7	237	360	P	H
802.11ac	*	5695	90.18	-	-	80.52	32.59	7.77	30.7	237	360	A	H
VHT50		5726.255	67.87	-0.33	68.2	58.15	32.62	7.81	30.71	237	360	P	H
CH 139		5358.05	49.59	-24.41	74	40.5	32.22	7.46	30.59	213	0	P	V
5695MHz		5466.9	48.5	-19.7	68.2	39.19	32.36	7.56	30.61	213	0	P	V
		5457.8	41.8	-12.2	54	32.52	32.34	7.54	30.6	213	0	A	V
	*	5695	96.74	-	-	87.08	32.59	7.77	30.7	213	0	P	V
	*	5695	89.27	-	-	79.61	32.59	7.77	30.7	213	0	A	V
		5725	64.91	-3.29	68.2	55.19	32.62	7.81	30.71	213	0	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 VHT50 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.63	-25.37	74	53.45	40.1	11.16	56.6	100	0	P	H
		16500	45.97	-22.23	68.2	49.4	38.3	13.28	55.7	100	0	P	H
802.11ac													H
VHT50													H
CH 100		11000	47.81	-26.19	74	52.63	40.1	11.16	56.6	100	0	P	V
5500MHz		16500	47.01	-21.19	68.2	50.44	38.3	13.28	55.7	100	0	P	V
													V
													V
		11100	51.86	-22.14	74	56.65	40.06	11.19	56.56	193	241	P	H
		11100	44.07	-9.93	54	48.86	40.06	11.19	56.56	193	241	A	H
802.11ac		16650	47.09	-21.11	68.2	50.05	38.83	13.29	55.76	100	0	P	H
VHT50													H
CH 110		11100	52.9	-21.1	74	57.69	40.06	11.19	56.56	136	145	P	V
5550MHz		11100	45.61	-8.39	54	50.4	40.06	11.19	56.56	136	145	A	V
		16650	47.42	-20.78	68.2	50.38	38.83	13.29	55.76	100	0	P	V
													V
		11390	47.39	-26.61	74	52.1	39.95	11.27	56.45	100	0	P	H
		17085	48.51	-19.69	68.2	50.34	40.2	13.35	56.03	100	0	P	H
802.11ac													H
VHT50													H
CH 139		11390	47.02	-26.98	74	51.73	39.95	11.27	56.45	100	0	P	V
5695MHz		17085	48.13	-20.07	68.2	49.96	40.2	13.35	56.03	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 VHT60 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	57.05	-16.95	74	47.77	32.34	7.54	30.6	194	2	P	H
		5468.32	67.8	-0.4	68.2	58.49	32.36	7.56	30.61	194	2	P	H
		5459.92	47.88	-6.12	54	38.6	32.34	7.54	30.6	194	2	A	H
	*	5505	94.86	-	-	85.48	32.4	7.59	30.61	194	2	P	H
802.11ac		5505	86.05	-	-	76.67	32.4	7.59	30.61	194	2	A	H
VHT60		5736.335	51.53	-16.67	68.2	41.77	32.64	7.83	30.71	194	2	P	H
CH 103		5458.96	54.57	-19.43	74	45.29	32.34	7.54	30.6	191	360	P	V
5515MHz		5469.04	66.06	-2.14	68.2	56.75	32.36	7.56	30.61	191	360	P	V
		5459.92	46.37	-7.63	54	37.09	32.34	7.54	30.6	191	360	A	V
	*	5505	95.05	-	-	85.67	32.4	7.59	30.61	191	360	P	V
	*	5505	86.77	-	-	77.39	32.4	7.59	30.61	191	360	A	V
		5733.815	50.76	-17.44	68.2	41.04	32.62	7.81	30.71	191	360	P	V
		5390.32	58.9	-15.1	74	49.76	32.26	7.48	30.6	224	351	P	H
		5462.8	64.77	-3.43	68.2	55.48	32.36	7.54	30.61	224	351	P	H
		5459.2	49.17	-4.83	54	39.89	32.34	7.54	30.6	224	351	A	H
	*	5550	114.12	-	-	104.67	32.45	7.63	30.63	224	351	P	H
802.11ac	*	5550	106.58	-	-	97.13	32.45	7.63	30.63	224	351	A	H
VHT60		5759.33	51.86	-16.34	68.2	42.09	32.66	7.84	30.73	224	351	P	H
CH 110		5458.96	65.31	-8.69	74	56.03	32.34	7.54	30.6	185	0	P	V
5550MHz		5464.96	65.9	-2.3	68.2	56.61	32.36	7.54	30.61	185	0	P	V
		5459.44	50.39	-3.61	54	41.11	32.34	7.54	30.6	185	0	A	V
	*	5550	113.64	-	-	104.19	32.45	7.63	30.63	185	0	P	V
	*	5550	106.1	-	-	96.65	32.45	7.63	30.63	185	0	A	V
		5744.84	57.42	-10.78	68.2	47.68	32.64	7.83	30.73	185	0	P	V

		5457.1	50.35	-23.65	74	41.07	32.34	7.54	30.6	209	180	P	H
		5470	49.48	-18.72	68.2	40.17	32.36	7.56	30.61	209	180	P	H
		5400.4	42.97	-11.03	54	33.8	32.28	7.49	30.6	209	180	A	H
	*	5690	96.26	-	-	86.6	32.59	7.77	30.7	209	180	P	H
802.11ac	*	5690	88.35	-	-	78.69	32.59	7.77	30.7	209	180	A	H
VHT60		5727.2	67.29	-0.91	68.2	57.57	32.62	7.81	30.71	209	180	P	H
CH 138		5414.4	50.47	-23.53	74	41.26	32.3	7.51	30.6	201	179	P	V
5690MHz		5468.65	49.42	-18.78	68.2	40.11	32.36	7.56	30.61	201	179	P	V
		5455.7	41.85	-12.15	54	32.57	32.34	7.54	30.6	201	179	A	V
	*	5690	96.62	-	-	86.96	32.59	7.77	30.7	201	179	P	V
	*	5690	88.8	-	-	79.14	32.59	7.77	30.7	201	179	A	V
		5725.31	64.24	-3.96	68.2	54.52	32.62	7.81	30.71	201	179	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 VHT60 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11010	47.55	-26.45	74	52.37	40.09	11.16	56.59	100	0	P	H
		16515	45.52	-22.68	68.2	48.9	38.36	13.28	55.71	100	0	P	H
802.11ac													H
VHT60													H
CH 101		11010	48.45	-25.55	74	53.27	40.09	11.16	56.59	100	0	P	V
5505MHz		16515	44.88	-23.32	68.2	48.26	38.36	13.28	55.71	100	0	P	V
													V
													V
		11100	49.98	-24.02	74	54.77	40.06	11.19	56.56	100	0	P	H
		16650	46.16	-22.04	68.2	49.12	38.83	13.29	55.76	100	0	P	H
802.11ac													H
VHT60													H
CH 110		11100	51.28	-22.72	74	56.07	40.06	11.19	56.56	129	149	P	V
5550MHz		11100	44.91	-9.09	54	49.7	40.06	11.19	56.56	129	149	A	V
		16650	47.31	-20.89	68.2	50.27	38.83	13.29	55.76	100	0	P	V
													V
		11380	46.85	-27.15	74	51.56	39.95	11.27	56.45	100	0	P	H
		17070	46.9	-21.3	68.2	48.76	40.16	13.34	56.01	100	0	P	H
802.11ac													H
VHT60													H
CH 138		11380	47.3	-26.7	74	52.01	39.95	11.27	56.45	100	0	P	V
5690MHz		17070	47.52	-20.68	68.2	49.38	40.16	13.34	56.01	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	59.38	-14.62	74	50.1	32.34	7.54	30.6	177	0	P	H
		5468.32	67.03	-1.17	68.2	57.72	32.36	7.56	30.61	177	0	P	H
		5459.2	52.02	-1.98	54	42.74	32.34	7.54	30.6	177	0	A	H
	*	5515	92.1	-	-	82.71	32.42	7.59	30.62	177	0	P	H
802.11ac	*	5515	85.1	-	-	75.71	32.42	7.59	30.62	177	0	A	H
VHT80		5746.415	50.45	-17.75	68.2	40.71	32.64	7.83	30.73	177	0	P	H
CH 103		5458.96	58.17	-15.83	74	48.89	32.34	7.54	30.6	188	360	P	V
5515MHz		5468.56	64.71	-3.49	68.2	55.4	32.36	7.56	30.61	188	360	P	V
		5459.92	51.94	-2.06	54	42.66	32.34	7.54	30.6	188	360	A	V
	*	5515	92.72	-	-	83.33	32.42	7.59	30.62	188	360	P	V
	*	5515	85.29	-	-	75.9	32.42	7.59	30.62	188	360	A	V
		5725.31	50.06	-18.14	68.2	40.34	32.62	7.81	30.71	188	360	P	V
		5452.24	60.09	-13.91	74	50.81	32.34	7.54	30.6	216	354	P	H
		5469.04	63.48	-4.72	68.2	54.17	32.36	7.56	30.61	216	354	P	H
		5457.28	52.1	-1.9	54	42.82	32.34	7.54	30.6	216	354	A	H
	*	5550	108.85	-	-	99.4	32.45	7.63	30.63	216	354	P	H
802.11ac	*	5550	100.54	-	-	91.09	32.45	7.63	30.63	216	354	A	H
VHT80		5750.195	52.2	-16	68.2	42.46	32.64	7.83	30.73	216	354	P	H
CH 110		5459.92	59.09	-14.91	74	49.81	32.34	7.54	30.6	192	0	P	V
5550MHz		5467.6	61.05	-7.15	68.2	51.74	32.36	7.56	30.61	192	0	P	V
		5457.52	52.43	-1.57	54	43.15	32.34	7.54	30.6	192	0	A	V
	*	5550	109.23	-	-	99.78	32.45	7.63	30.63	192	0	P	V
	*	5550	101.3	-	-	91.85	32.45	7.63	30.63	192	0	A	V
		5756.81	52.13	-16.07	68.2	42.36	32.66	7.84	30.73	192	0	P	V
		5427	51.57	-22.43	74	42.36	32.3	7.51	30.6	196	360	P	H
802.11ac		5464.1	51.03	-17.17	68.2	41.74	32.36	7.54	30.61	196	360	P	H
VHT80		5421.4	43.96	-10.04	54	34.75	32.3	7.51	30.6	196	360	A	H
CH 136	*	5680	93.72	-	-	84.09	32.57	7.75	30.69	196	360	P	H
5680MHz	*	5680	86.5	-	-	76.87	32.57	7.75	30.69	196	360	A	H
		5725	67.7	-0.5	68.2	57.98	32.62	7.81	30.71	196	360	P	H

		5454.3	50.69	-23.31	74	41.41	32.34	7.54	30.6	194	0	P	V
		5459.9	50.12	-23.88	74	40.84	32.34	7.54	30.6	194	0	P	V
		5457.1	43.48	-10.52	54	34.2	32.34	7.54	30.6	194	0	A	V
	*	5680	93.44	-	-	83.81	32.57	7.75	30.69	194	0	P	V
	*	5680	86.63	-	-	77	32.57	7.75	30.69	194	0	A	V
		5726.57	65.8	-2.4	68.2	56.08	32.62	7.81	30.71	194	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11030	48.31	-25.69	74	53.12	40.09	11.17	56.59	100	0	P	H
		16545	46.14	-22.06	68.2	49.47	38.42	13.28	55.71	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11030	47.42	-26.58	74	52.23	40.09	11.17	56.59	100	0	P	V
5530MHz		16545	45.4	-22.8	68.2	48.73	38.42	13.28	55.71	100	0	P	V
													V
													V
		11100	47.74	-26.26	74	52.53	40.06	11.19	56.56	100	0	P	
		16650	46.69	-21.51	68.2	49.65	38.83	13.29	55.76	100	0	P	
802.11ac													
VHT80													
CH 110		11100	48.31	-25.69	74	53.1	40.06	11.19	56.56	100	0	P	
5550MHz		16650	46.49	-21.71	68.2	49.45	38.83	13.29	55.76	100	0	P	
		11360	47.34	-26.66	74	52.06	39.96	11.26	56.46	100	0	P	H
		17040	48.39	-19.81	68.2	50.27	40.12	13.33	55.98	100	0	P	H
802.11ac													H
VHT80													H
CH 136		11360	47.35	-26.65	74	52.07	39.96	11.26	56.46	100	0	P	V
5680MHz		17040	48.57	-19.63	68.2	50.45	40.12	13.33	55.98	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 VHT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 LF		138.27	28	-15.5	43.5	44.62	14.43	1.19	32.28	-	-	P	H
		159.33	28.49	-15.01	43.5	46.81	12.63	1.27	32.28	-	-	P	H
		200.1	28.52	-14.98	43.5	48.11	11.19	1.42	32.27	-	-	P	H
		400.1	37.08	-8.92	46	48.47	18.7	1.97	32.15	-	-	P	H
		624.8	36.75	-9.25	46	43.41	22.98	2.45	32.2	-	-	P	H
		874.7	40.52	-5.48	46	42.99	26.14	2.9	31.63	100	0	P	H
													H
													H
													H
													H
													H
													H
		36.75	33.44	-6.56	40	48.33	16.85	0.59	32.33	-	-	P	V
		67.53	26.69	-13.31	40	49.6	8.49	0.84	32.31	-	-	P	V
		98.04	29.95	-13.55	43.5	49.1	12.01	1	32.29	-	-	P	V
		400.1	37.26	-8.74	46	48.65	18.7	1.97	32.15	-	-	P	V
		874.7	40.74	-5.26	46	43.21	26.14	2.9	31.63	100	0	P	V
		925.1	39.16	-6.84	46	40.5	26.8	3.02	31.28	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

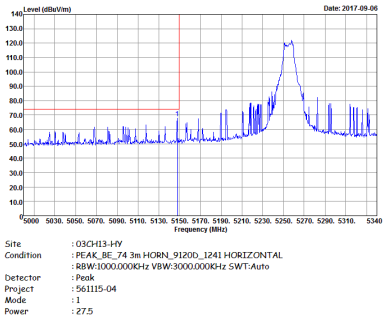
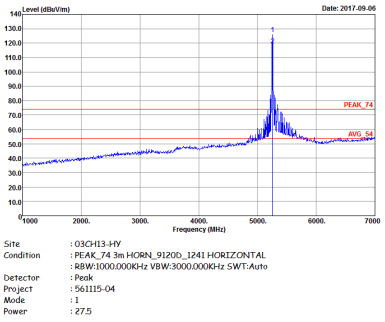
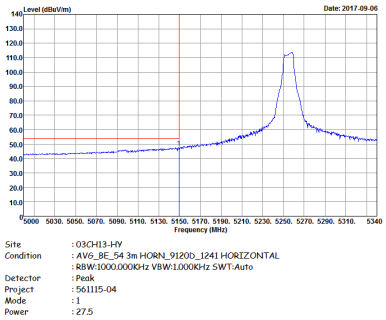
Test Engineer :	Alex Jheng, Bill Chang and Wilson Wu	**Temperature :**	24.7~25.4°C
		Relative Humidity :	47~54%

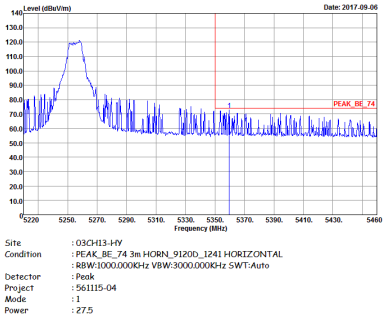
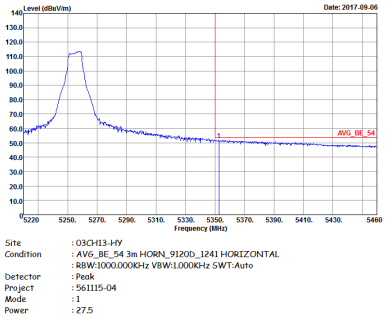
Note symbol

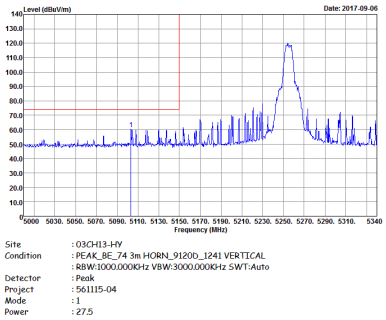
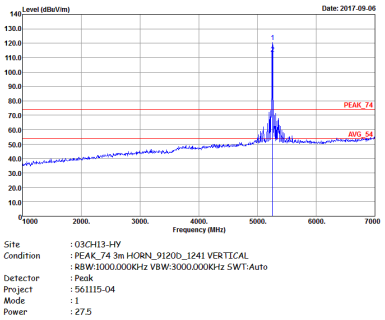
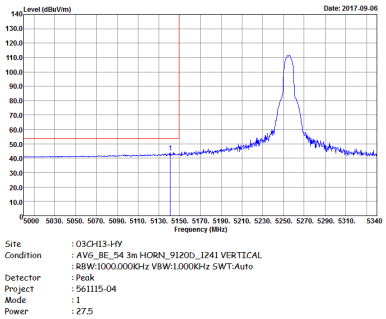
-L	**Low channel location**
-R	**High channel location**

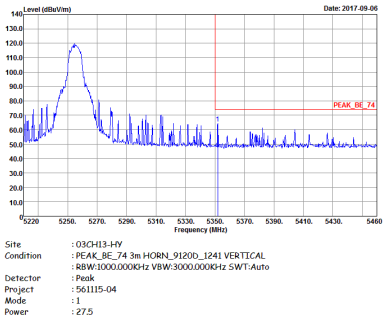
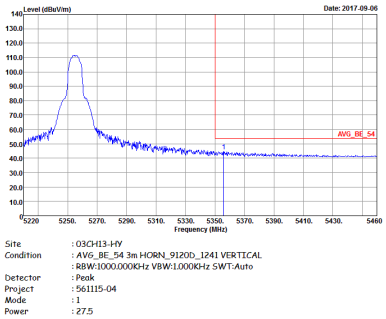
Band 2 - 5250~5350MHz

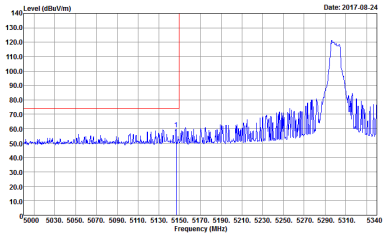
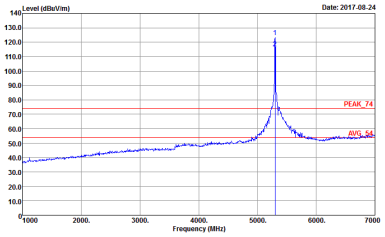
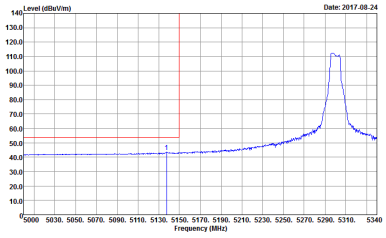
WIFI 802.11ac VHT10 (Band Edge @ 3m)

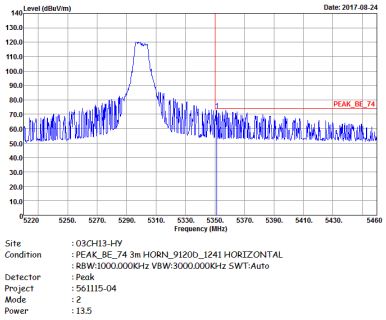
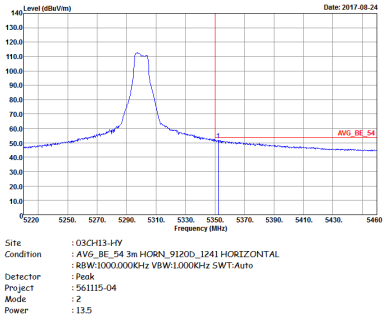
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

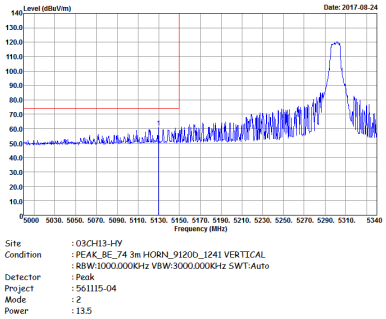
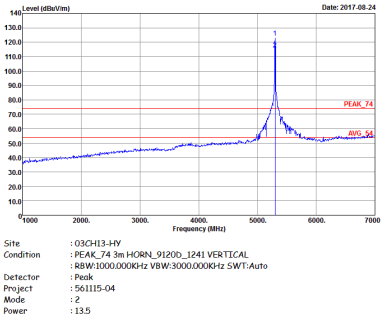
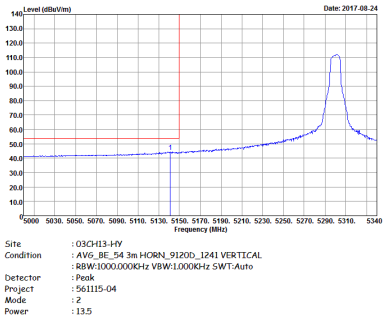
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

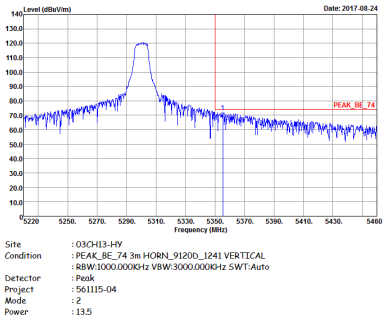
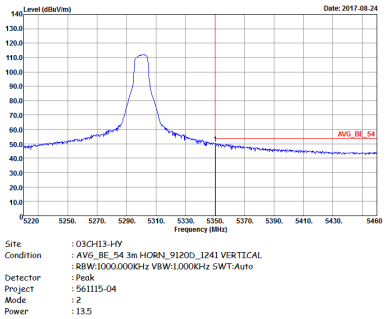
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

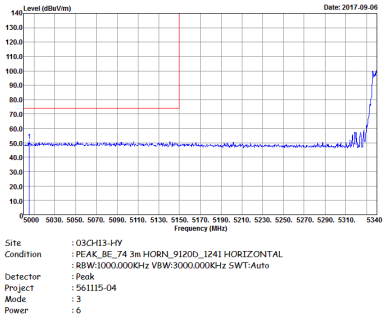
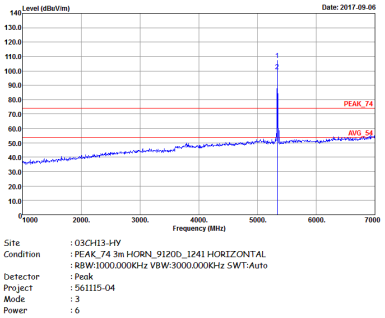
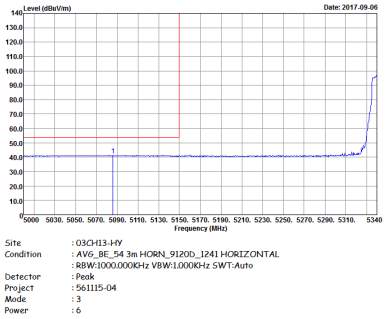
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

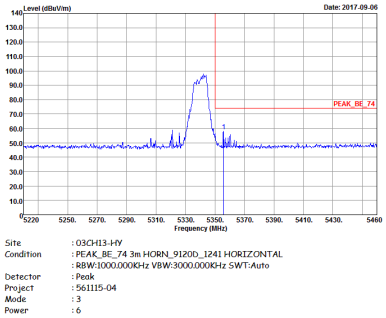
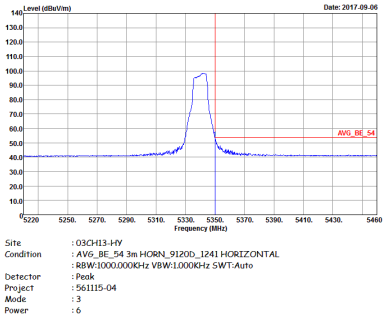
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 2 Power : 13.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 2 Power : 13.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 2 Power : 13.5	Left blank

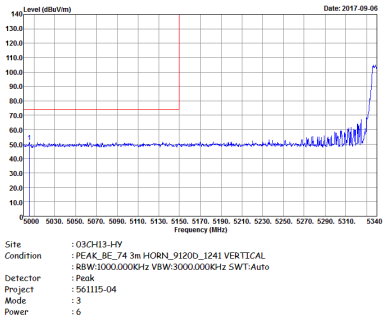
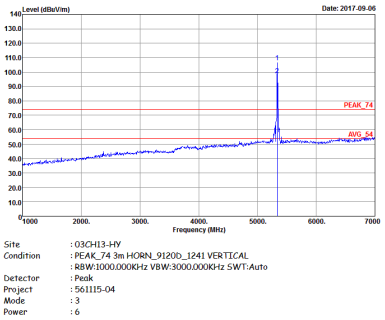
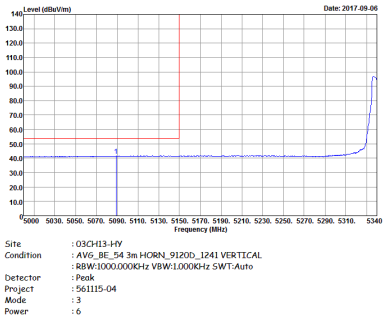
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

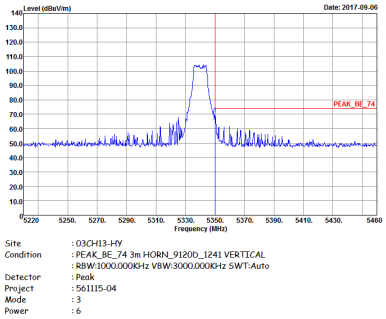
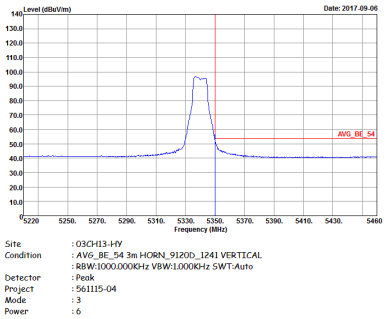
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

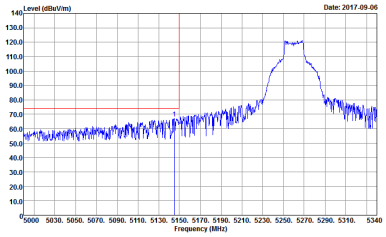
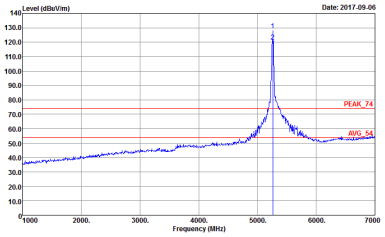
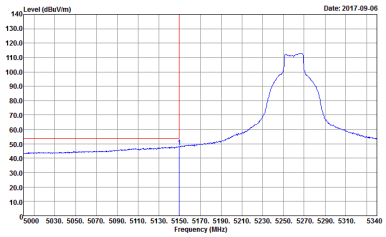
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

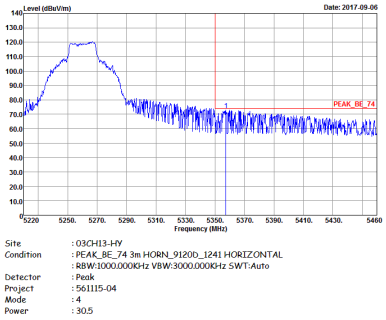
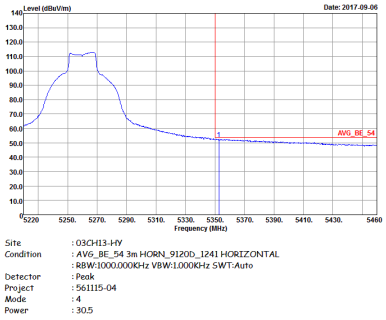
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

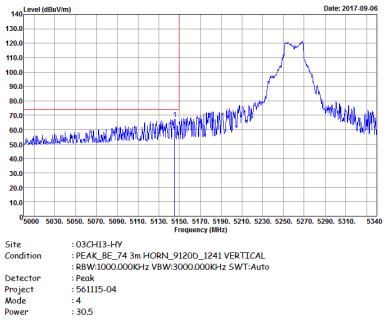
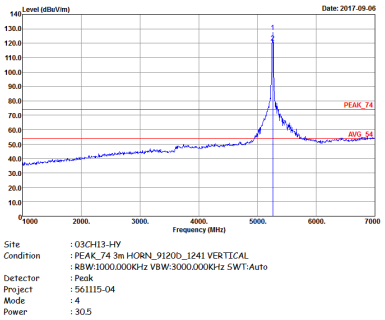
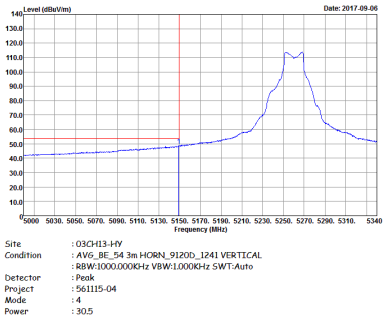
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

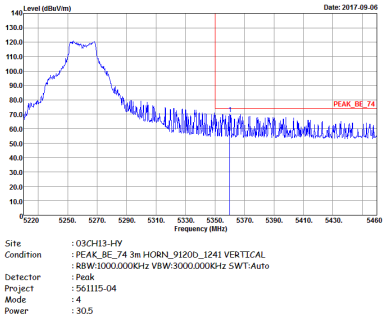
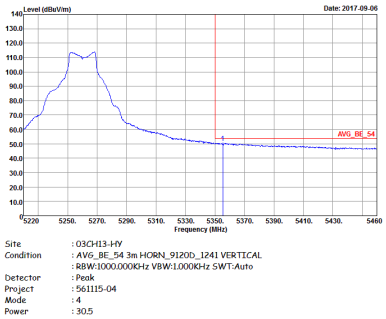
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

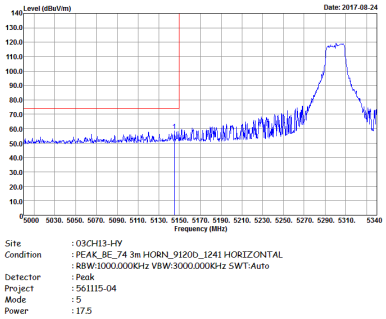
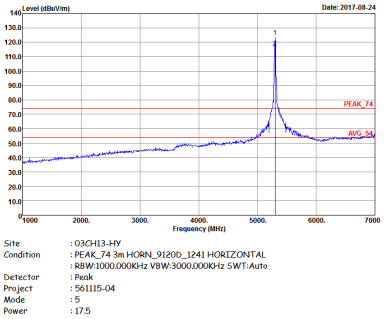
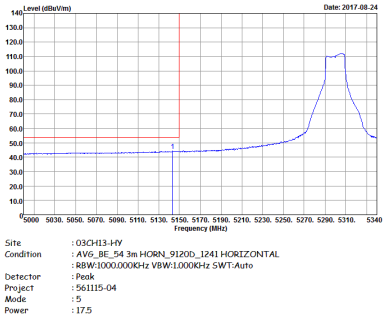
Band 2 5250~5350MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

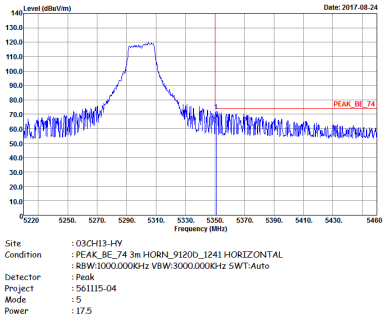
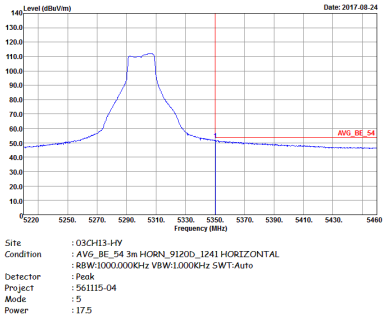
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 4 Power : 30.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 4 Power : 30.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 4 Power : 30.5	Left blank

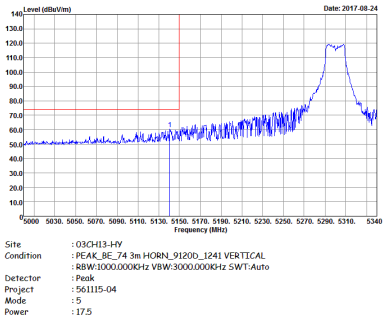
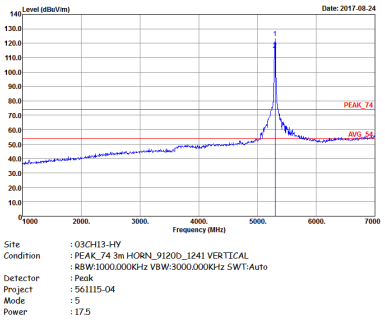
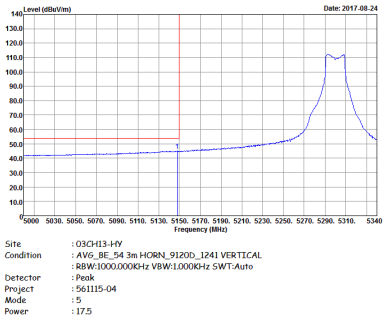
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

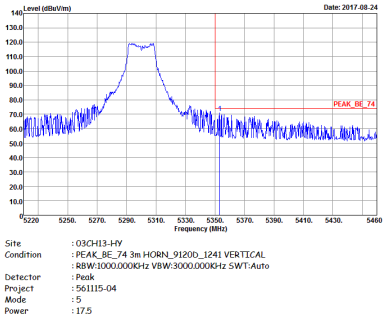
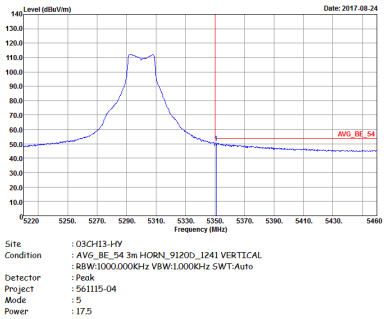
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

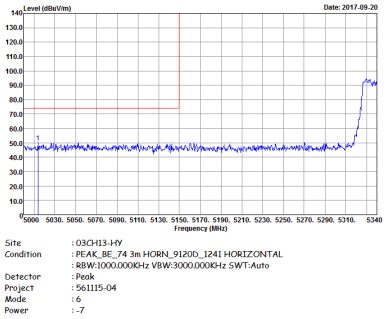
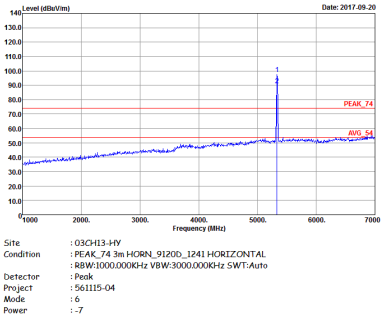
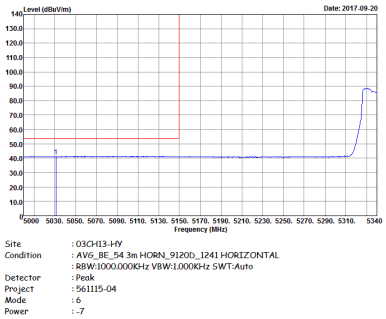
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

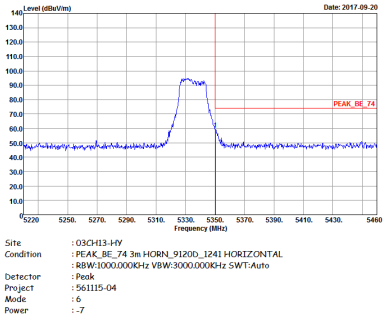
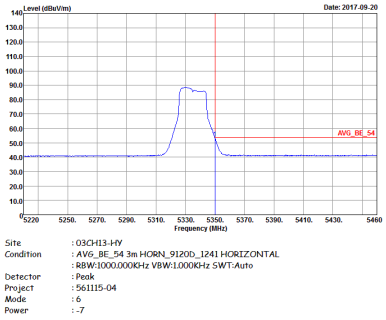
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

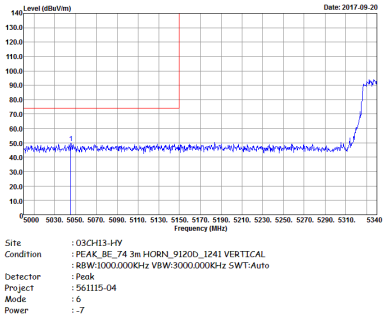
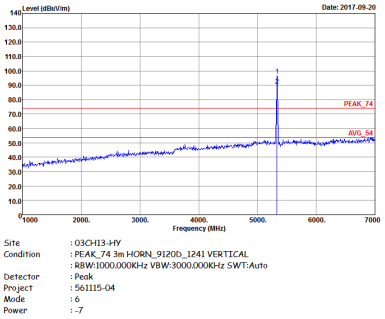
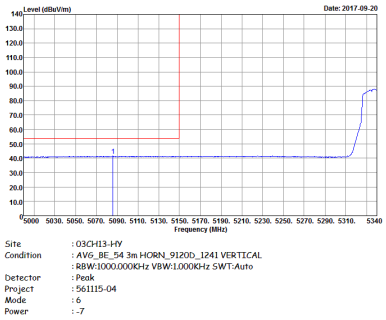
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

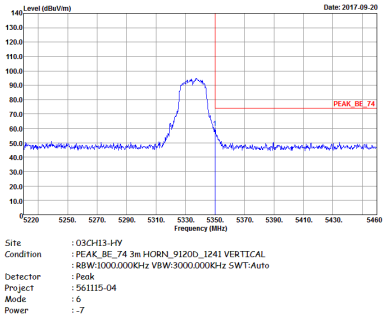
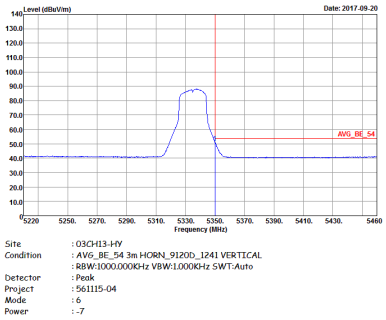
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

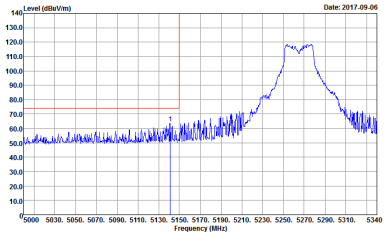
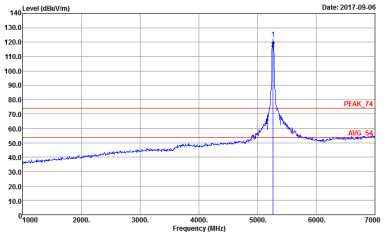
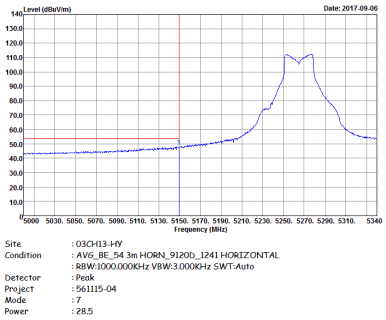
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

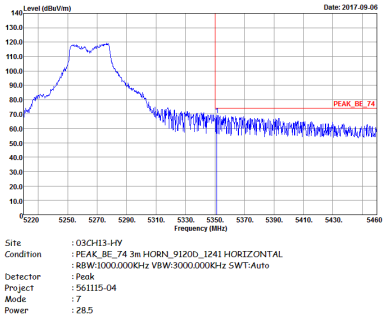
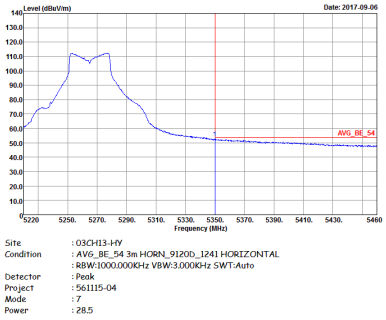
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

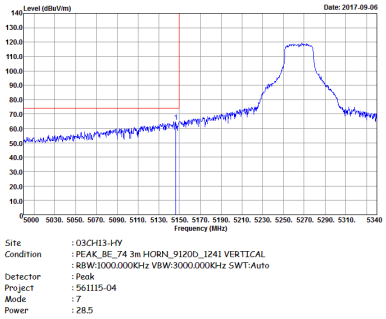
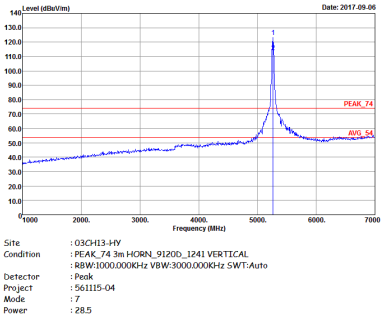
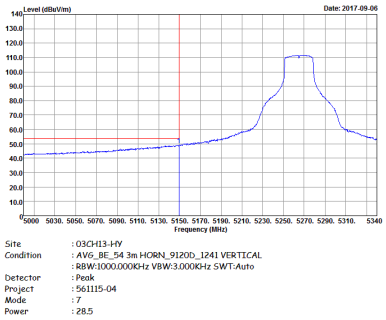
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

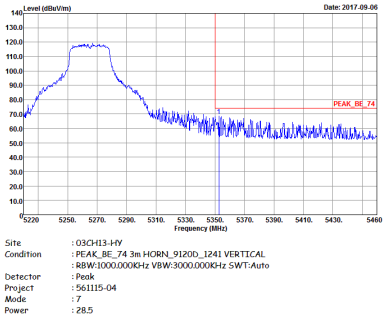
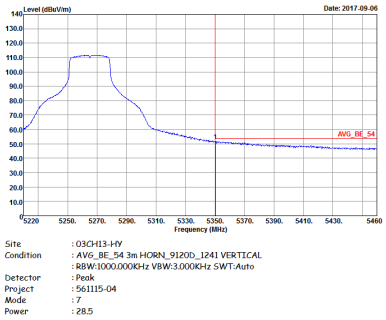
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

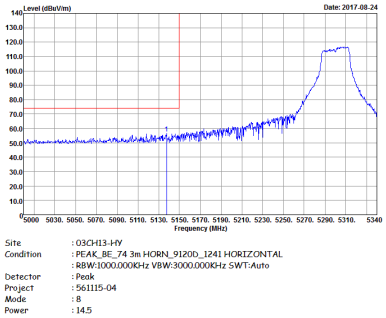
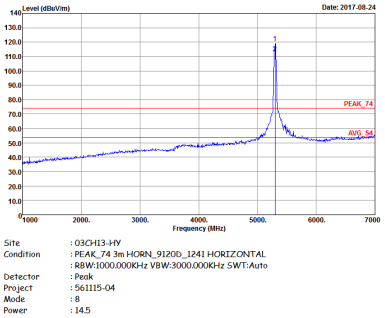
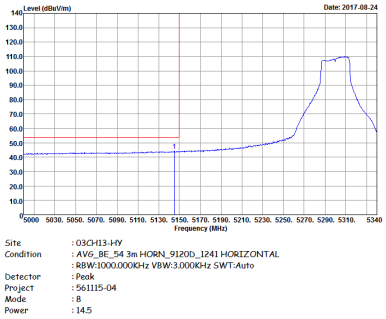
Band 2 5250~5350MHz
WIFI 802.11ac VHT30 (Band Edge @ 3m)

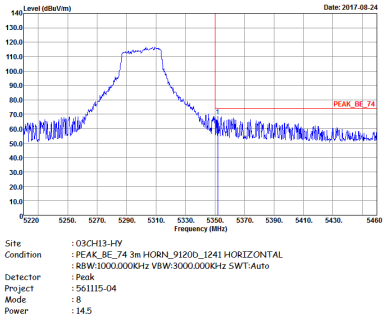
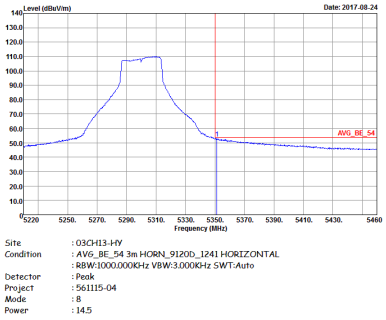
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

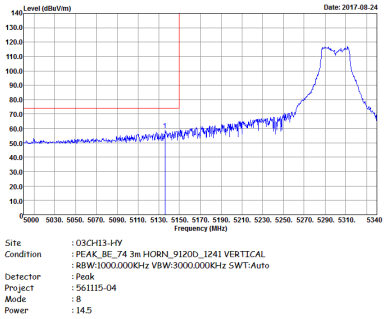
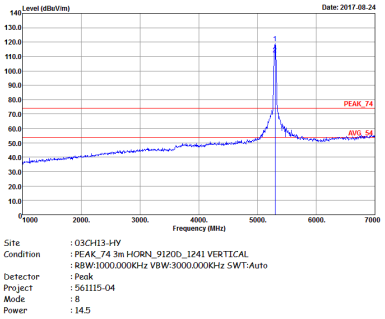
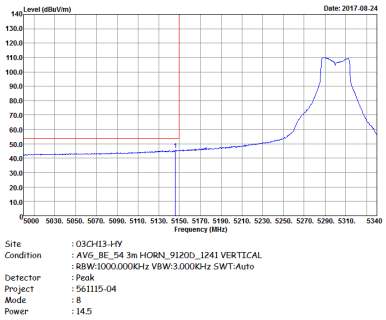
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

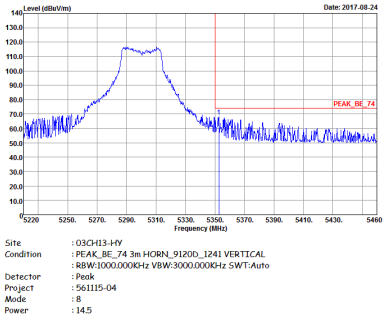
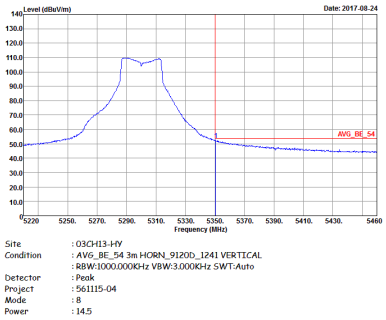
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

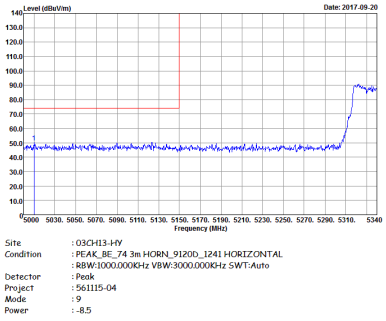
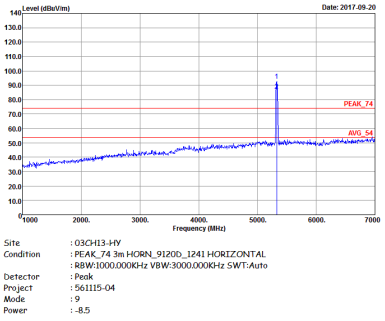
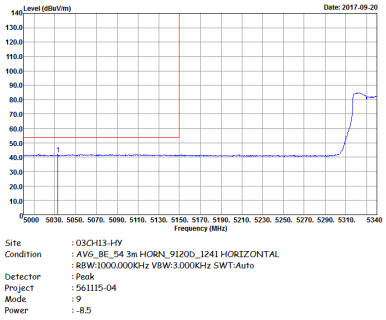
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

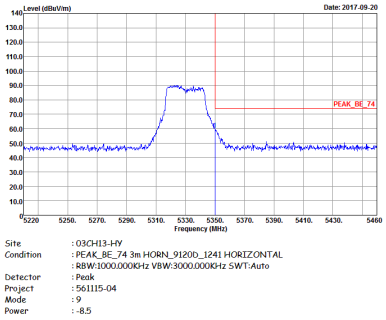
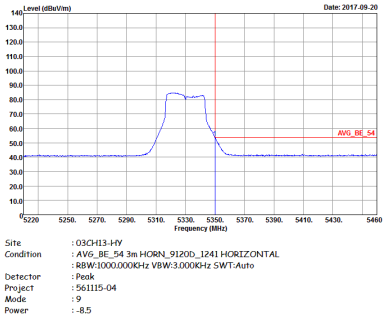
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

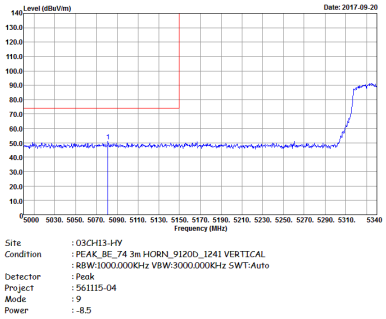
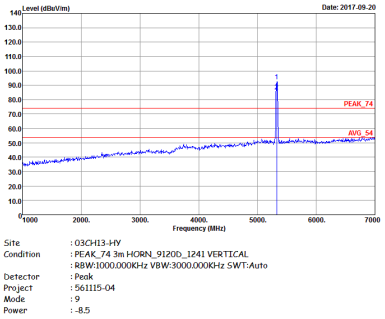
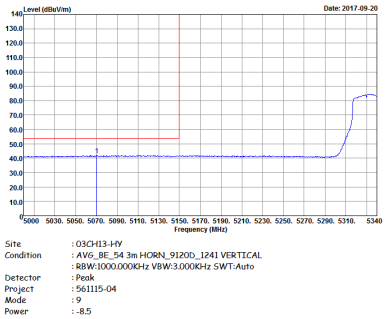
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

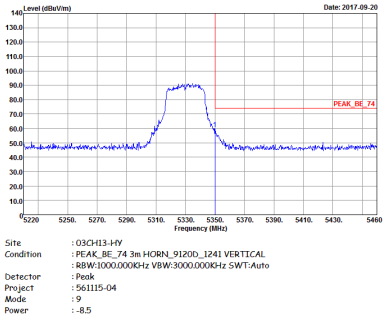
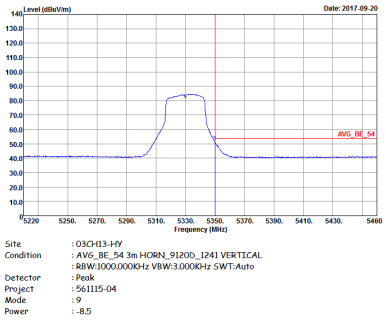
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 8 Power : 14.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 8 Power : 14.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 8 Power : 14.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

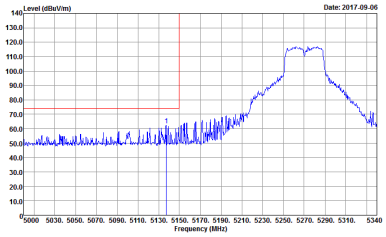
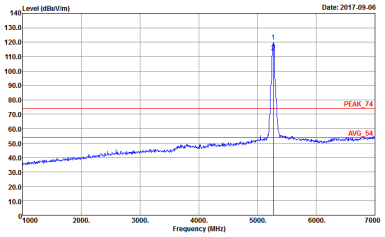
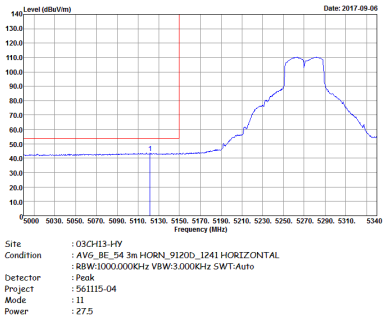
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

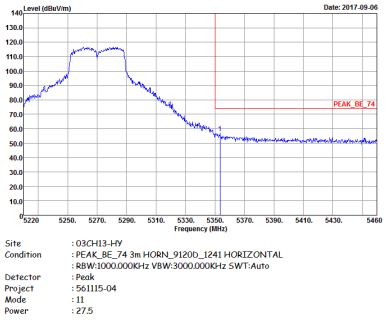
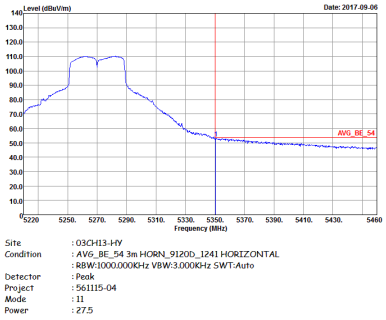
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

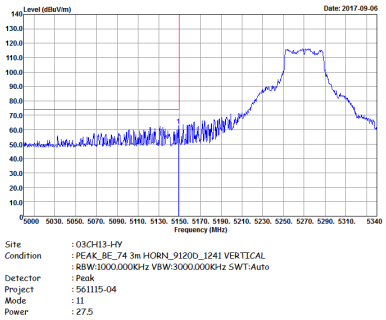
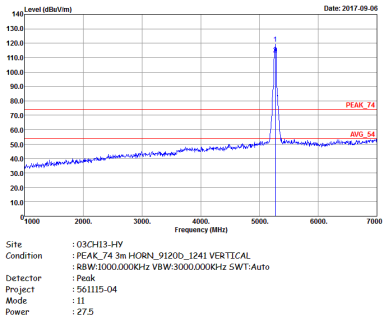
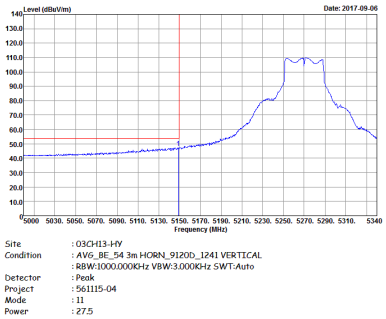
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

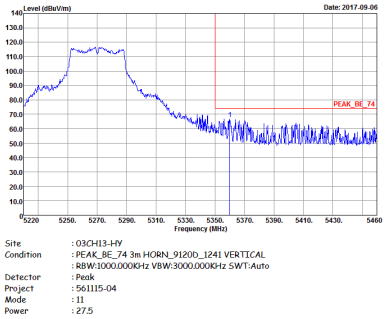
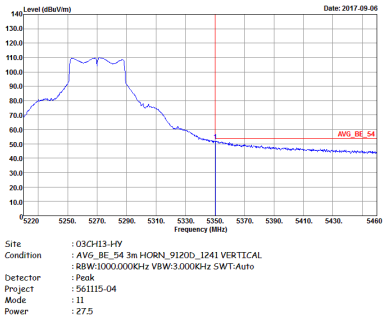
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

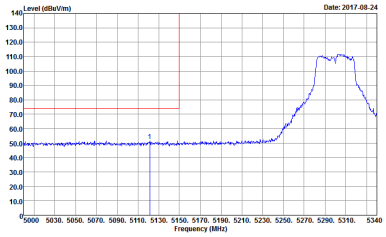
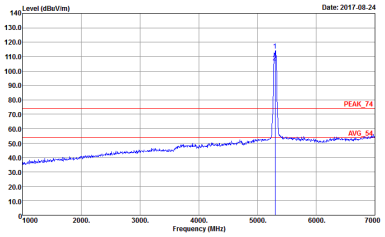
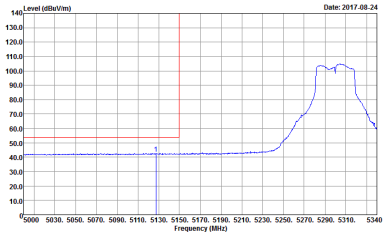
Band 2 5250~5350MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

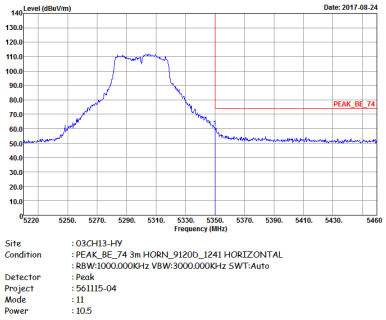
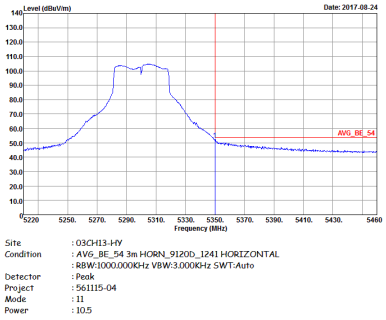
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

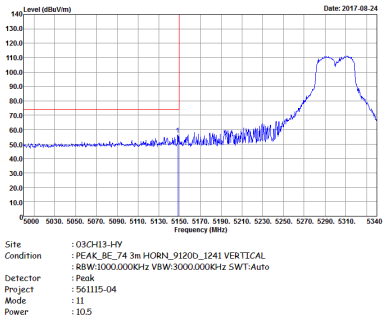
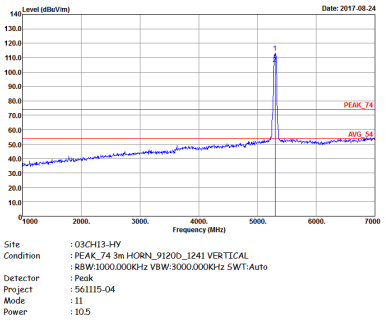
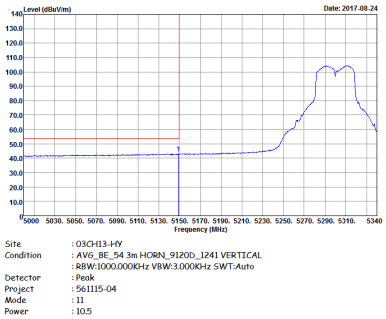
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

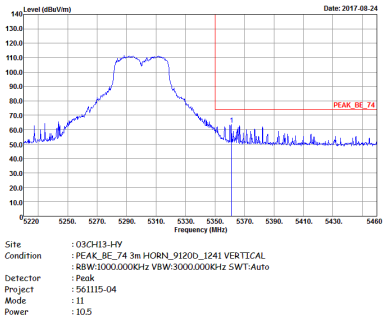
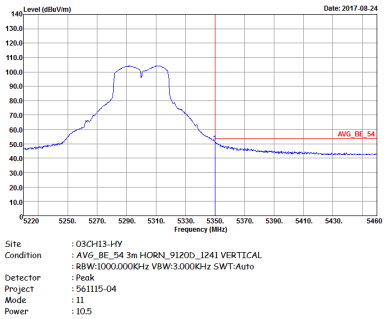
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

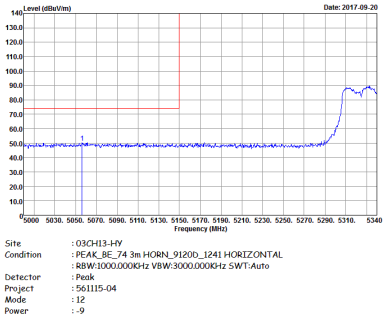
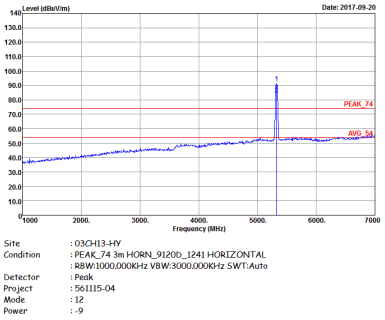
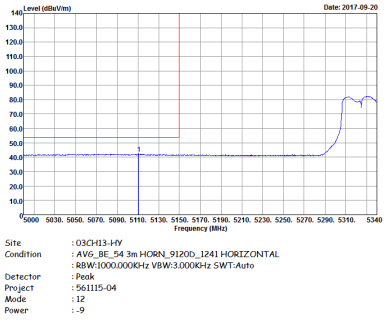
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

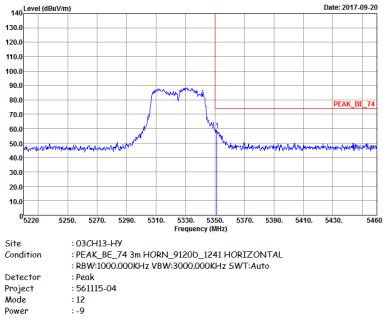
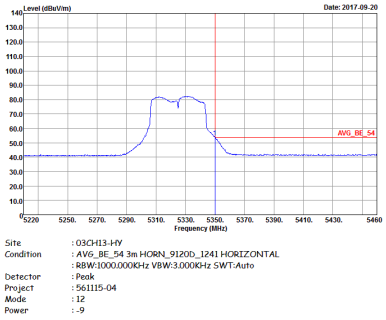
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 11 Power : 10.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 11 Power : 10.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 11 Power : 10.5	Left blank

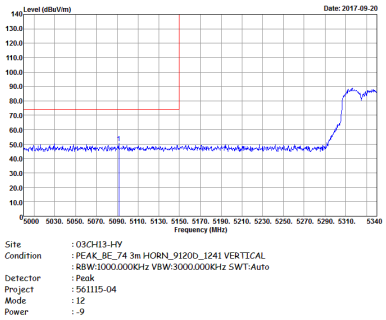
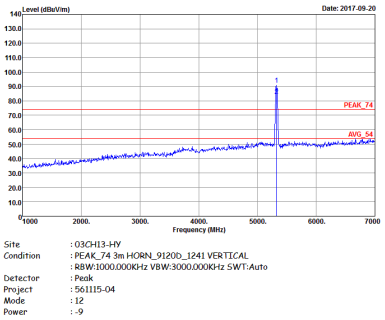
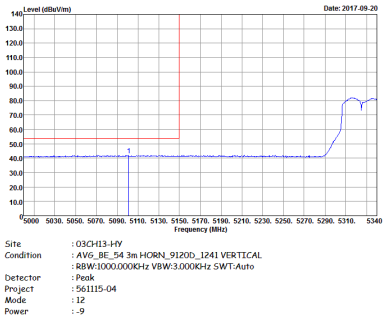
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

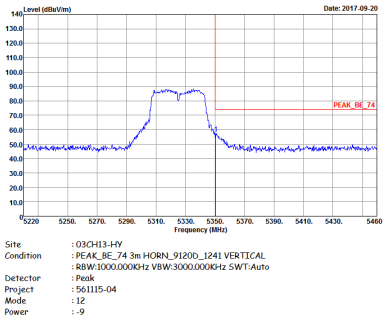
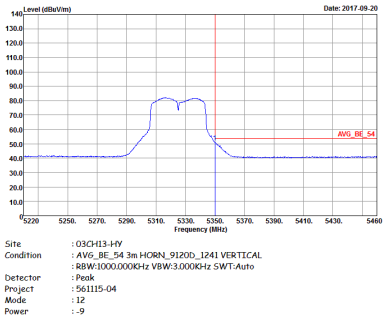
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

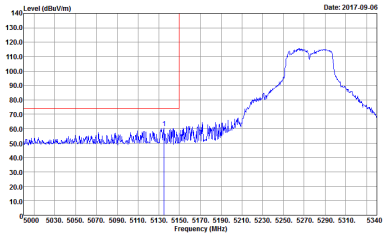
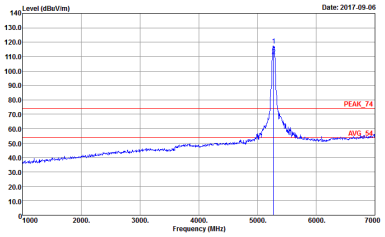
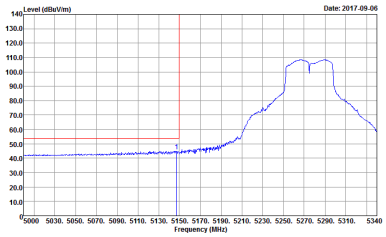
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

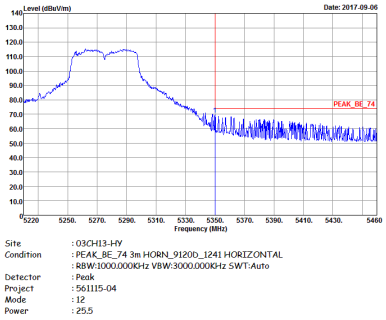
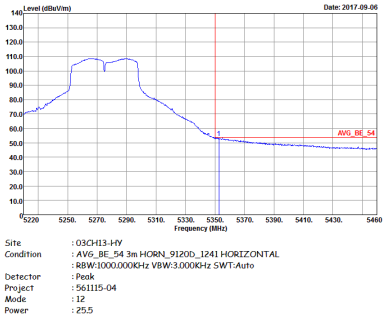
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

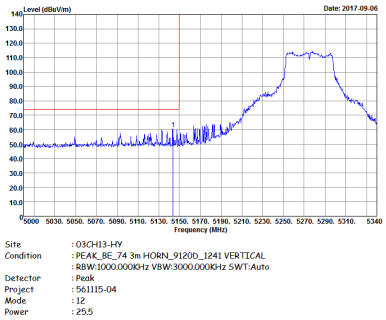
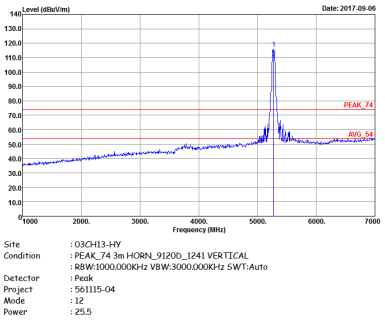
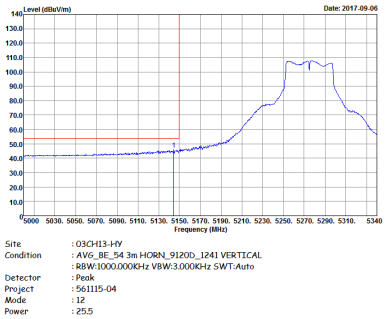
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

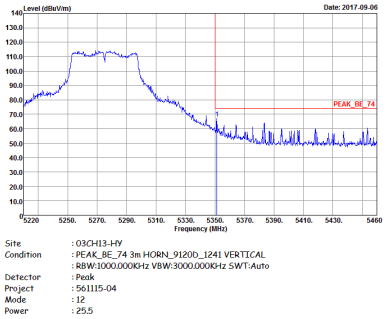
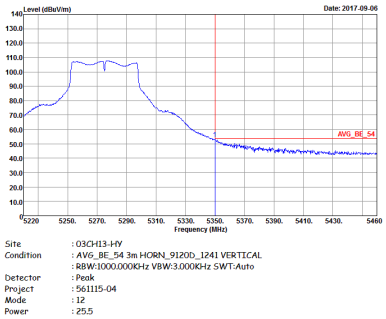
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

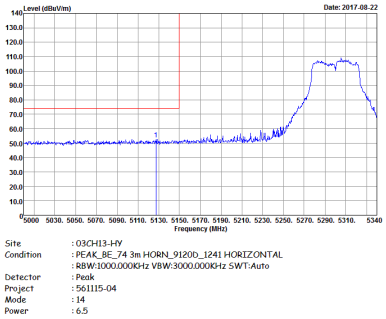
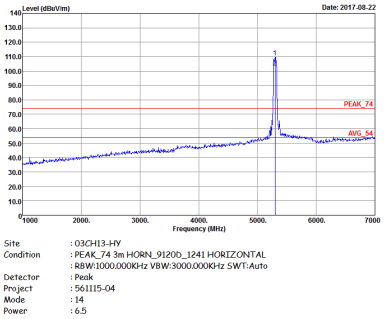
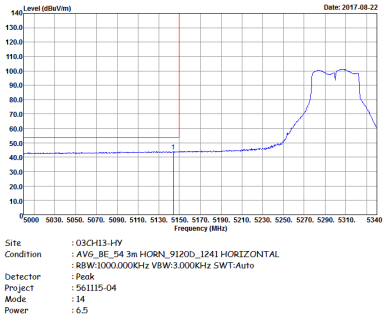
Band 2 5250~5350MHz
WIFI 802.11ac VHT50 (Band Edge @ 3m)

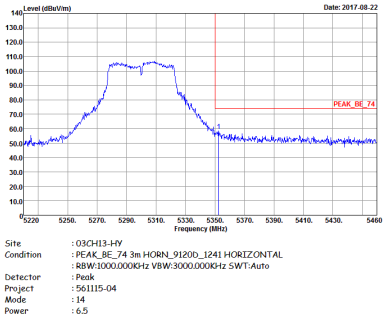
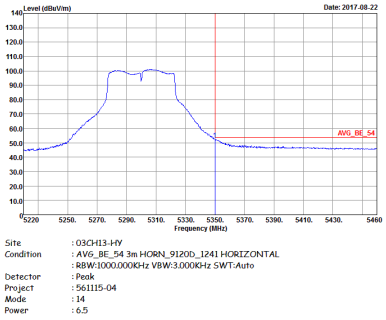
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 12 Power : 25.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 12 Power : 25.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 12 Power : 25.5	Left blank

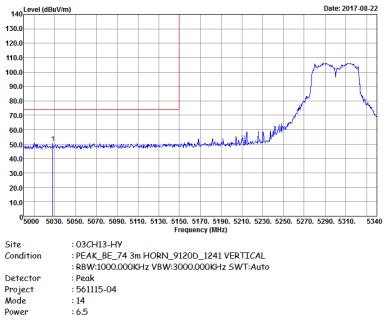
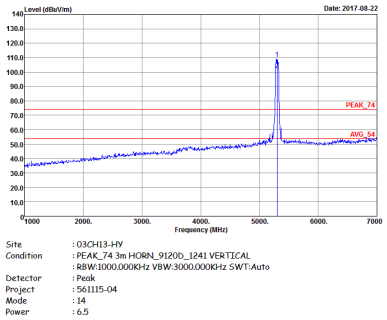
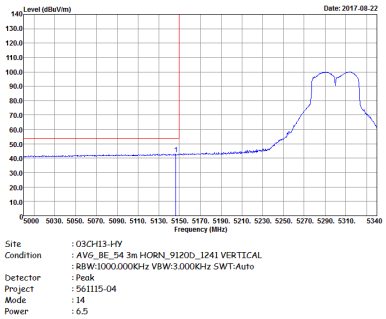
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

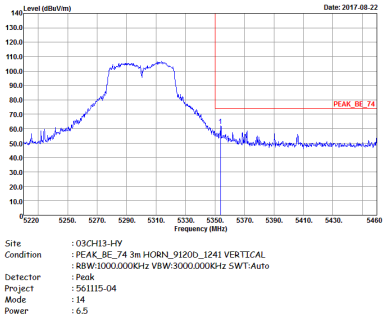
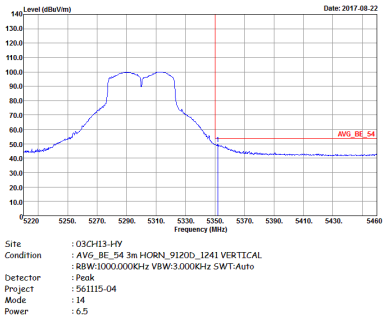
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

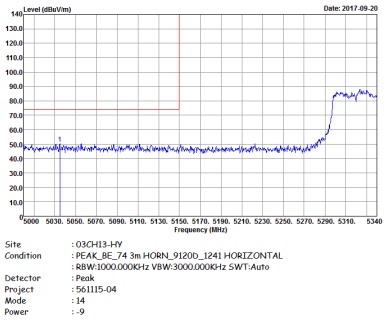
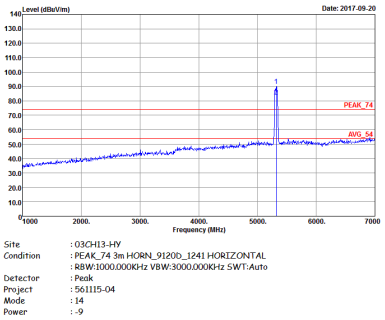
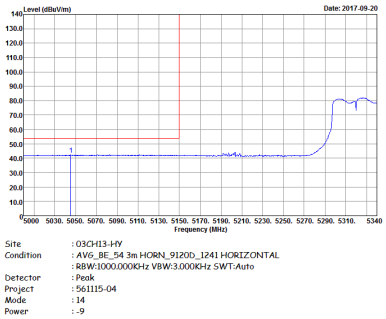
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

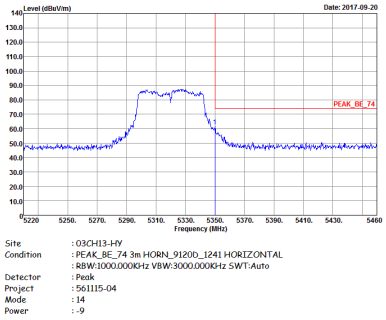
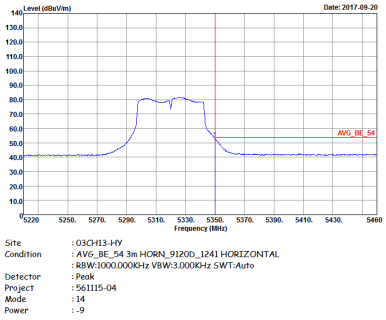
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

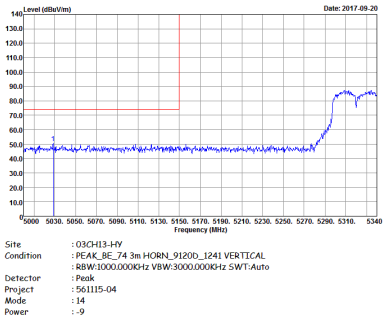
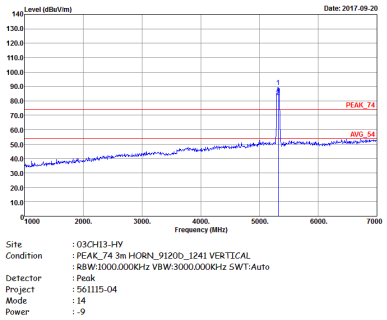
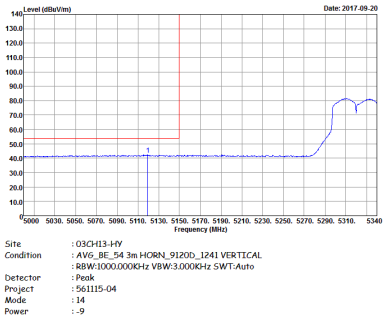
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

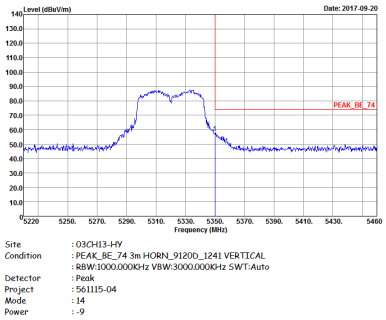
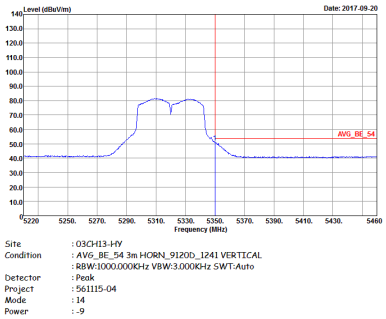
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

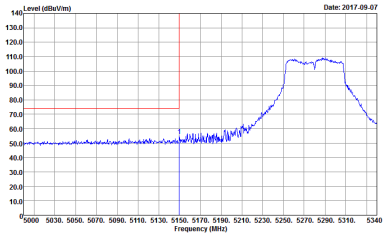
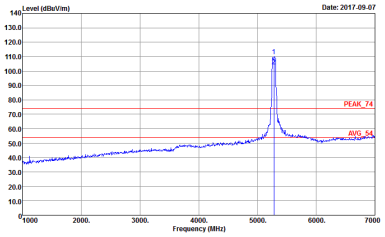
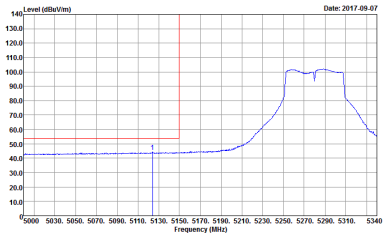
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

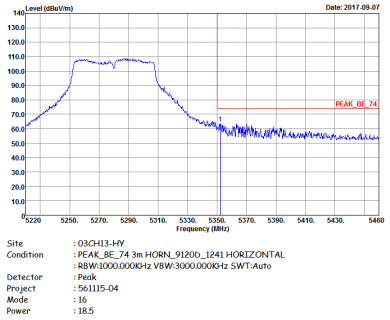
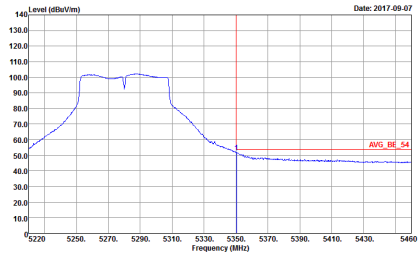
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

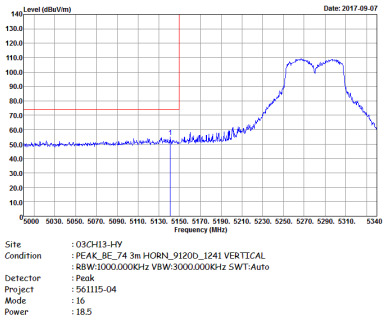
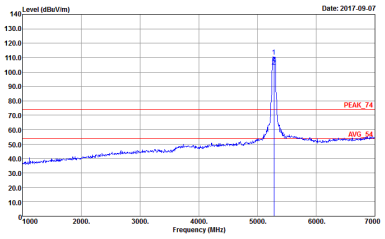
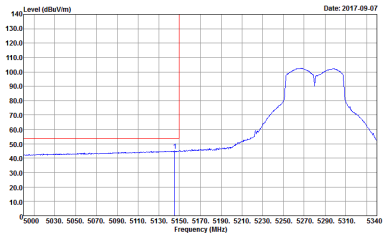
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

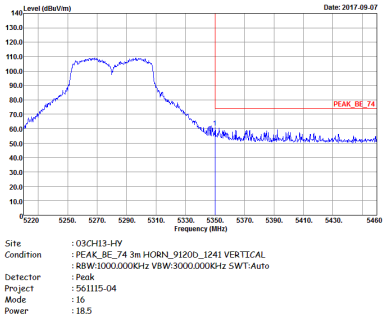
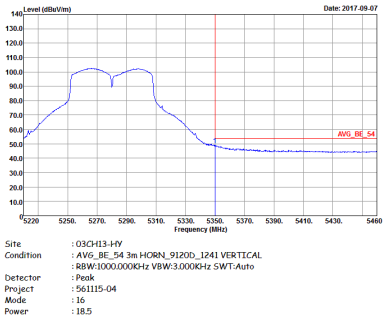
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

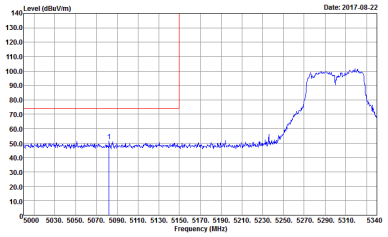
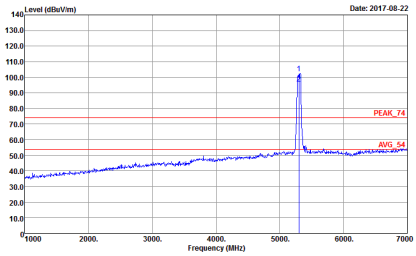
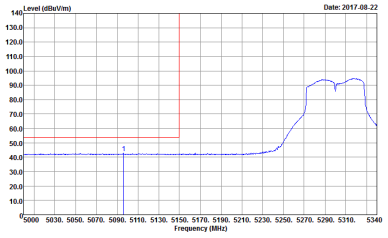
Band 2 5250~5350MHz
WIFI 802.11ac VHT60 (Band Edge @ 3m)

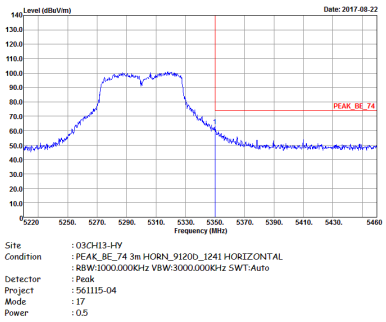
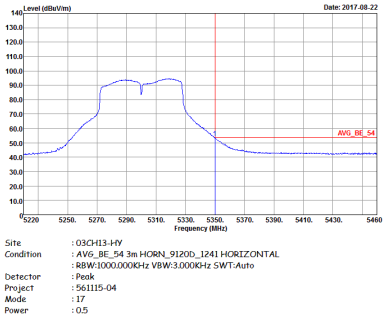
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5	Left blank

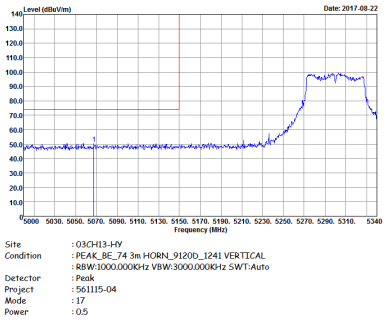
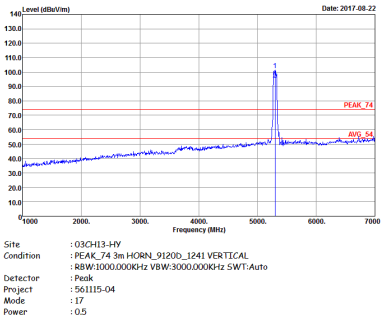
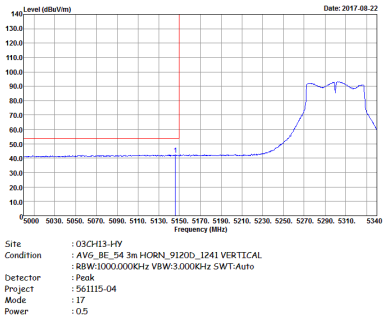
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5	Left blank
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5	Left blank

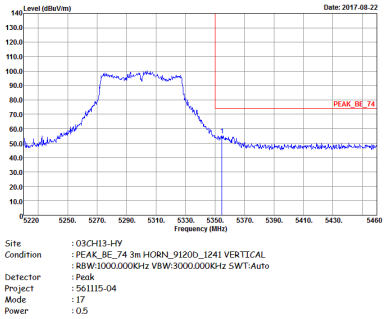
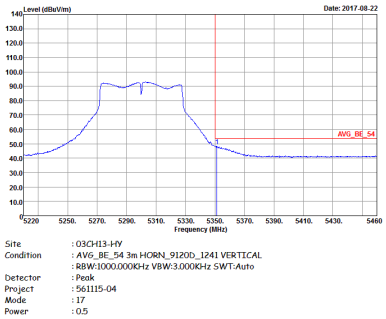
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 16 Power : 18.5	Left blank

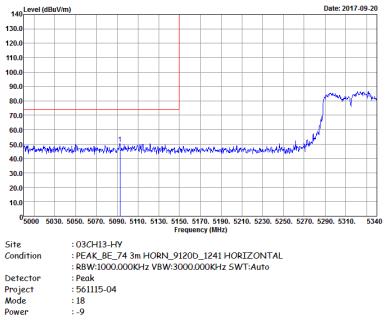
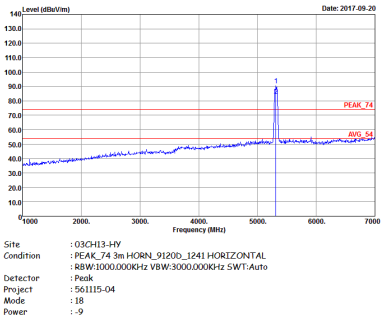
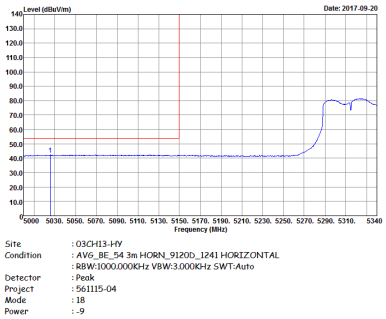
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

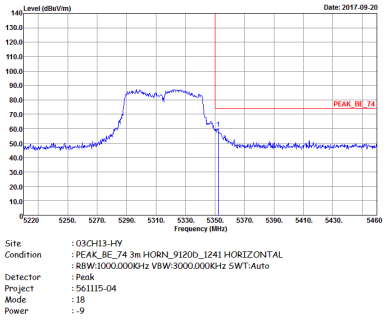
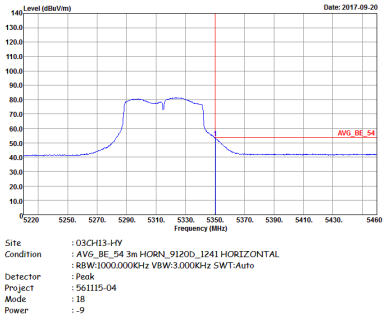
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 17 Power : 0.5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 17 Power : 0.5
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 17 Power : 0.5	Left blank

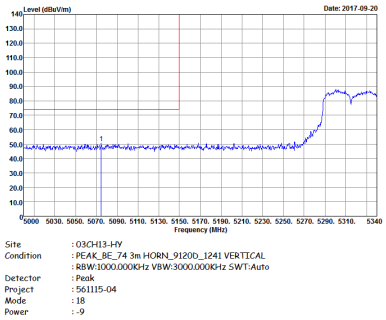
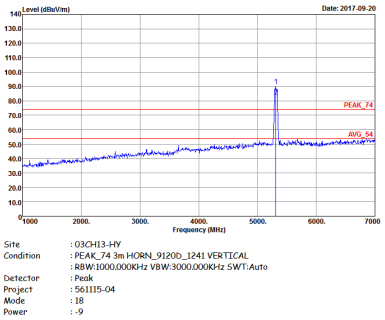
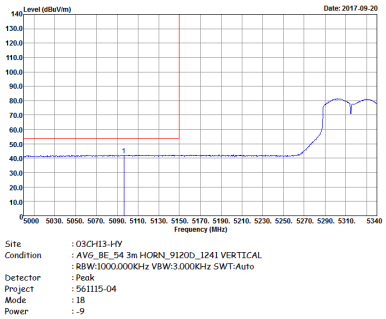
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

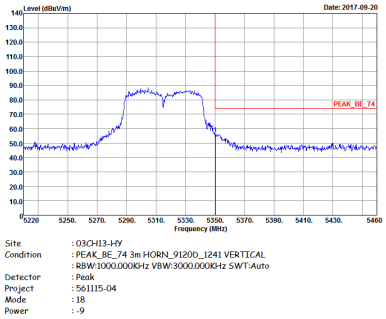
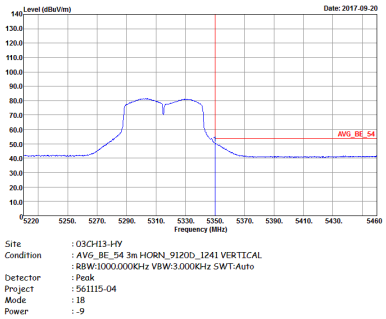
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

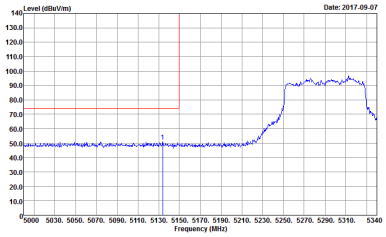
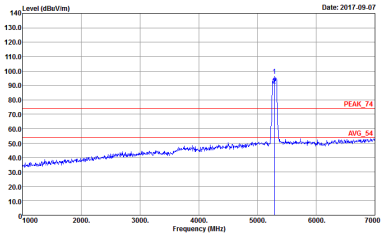
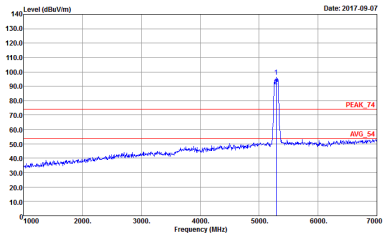
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

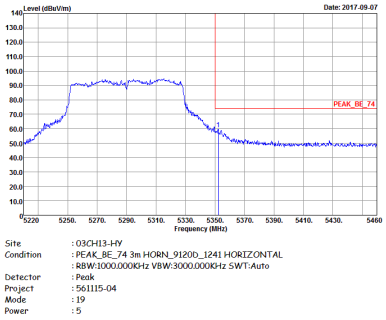
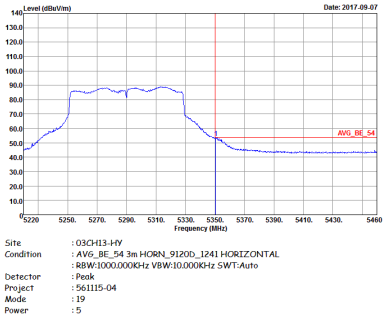
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

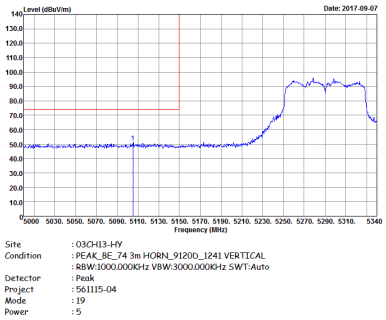
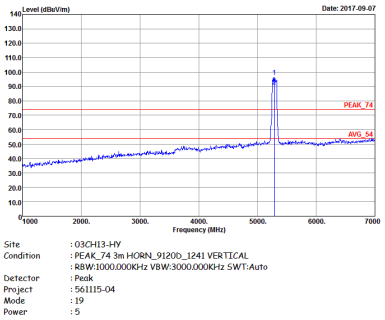
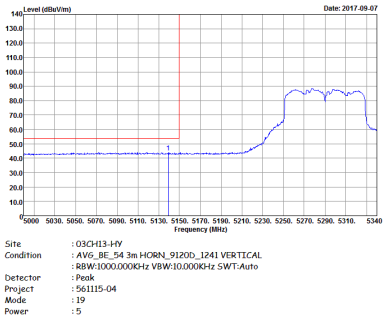
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

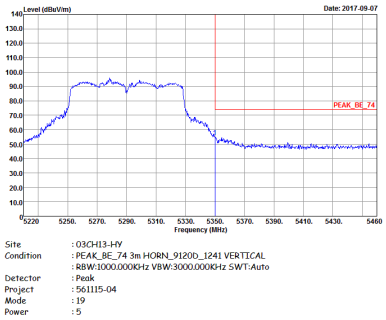
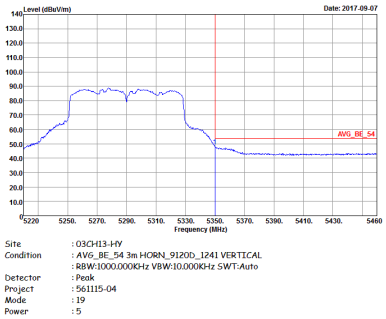
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

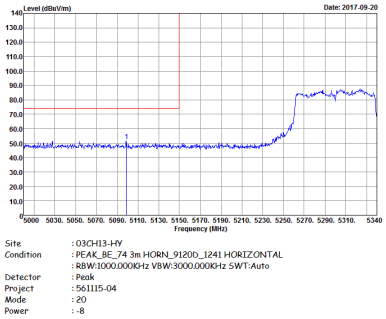
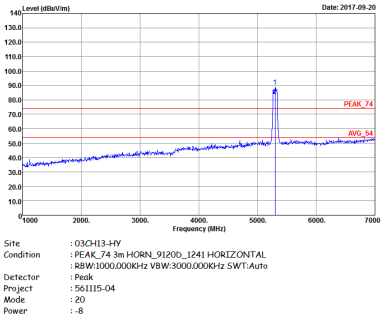
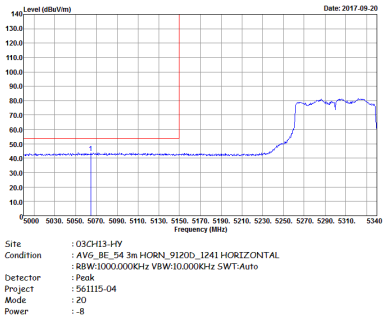
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

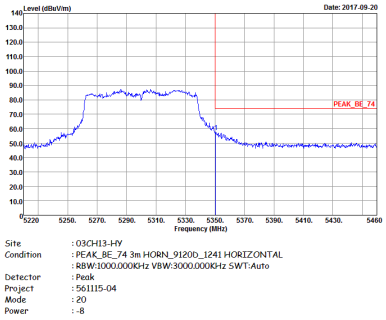
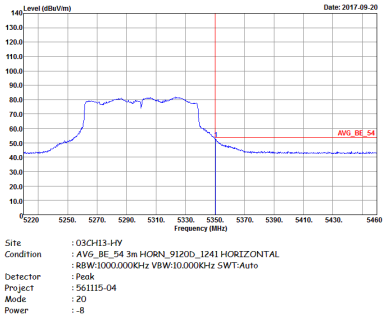
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_8E_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 19 Power : 5	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 19 Power : 5
Avg.	 Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 561115-04 Mode : 19 Power : 5	Left blank

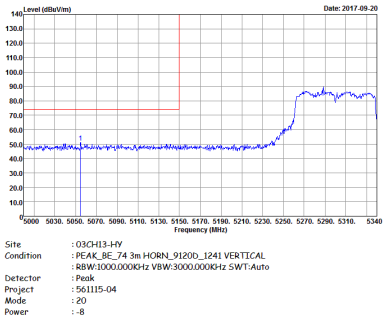
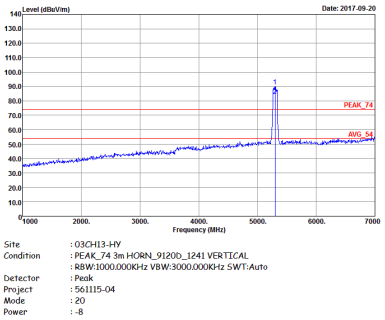
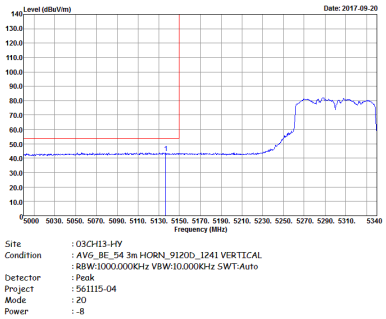
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

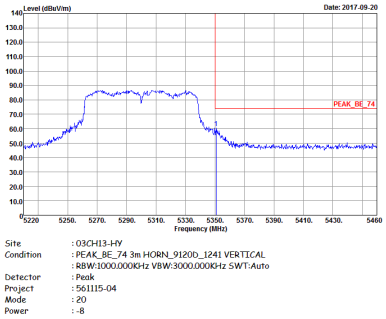
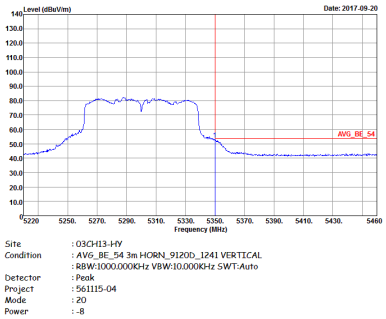
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

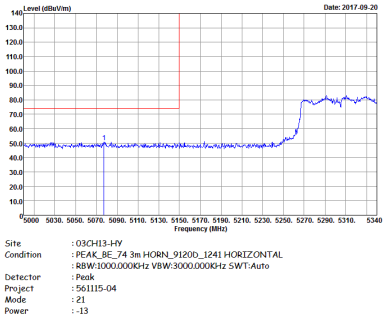
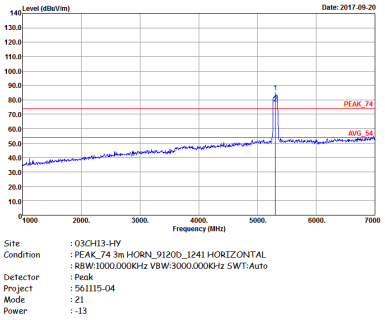
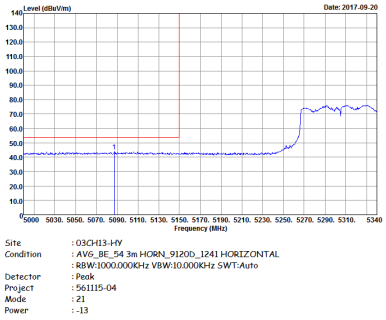
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

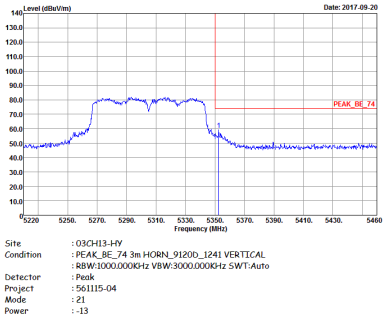
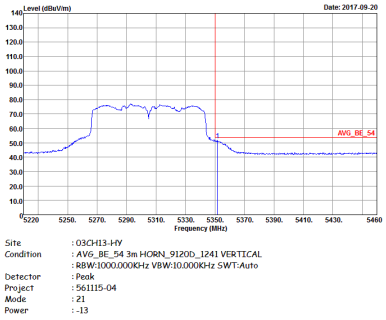
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

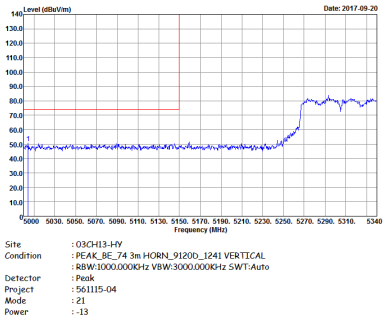
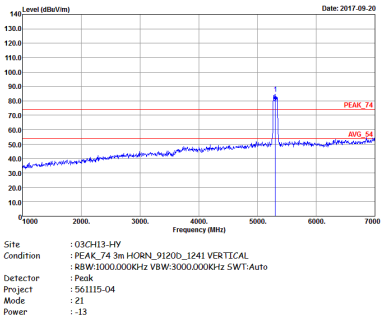
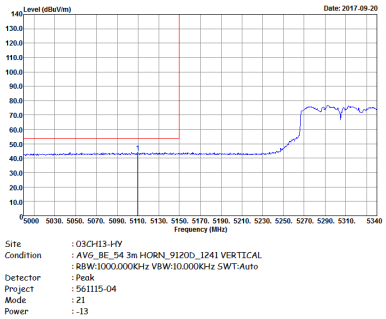
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

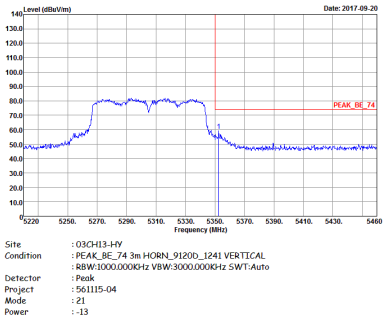
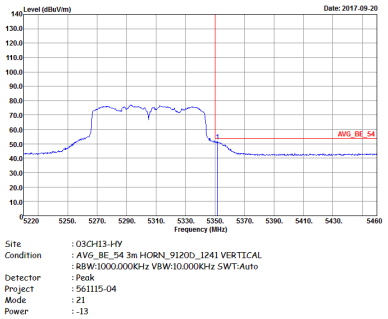
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

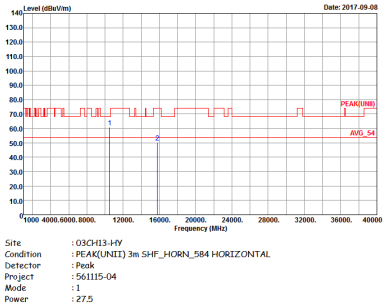
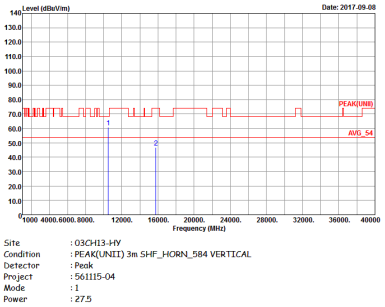
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

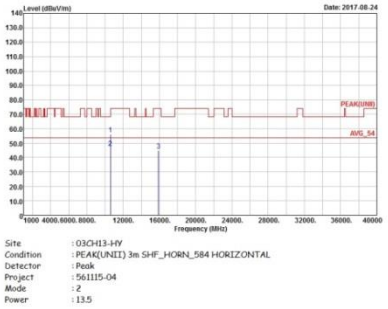
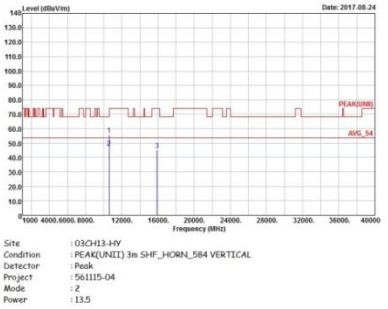
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

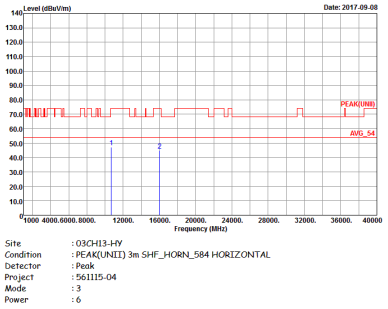
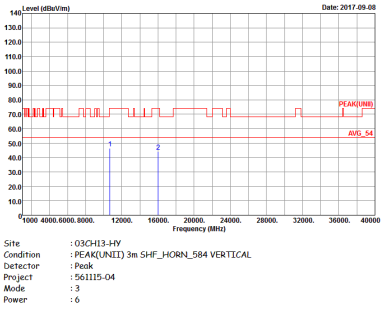
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT10 (Harmonic @ 3m)

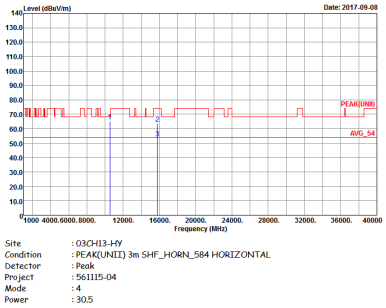
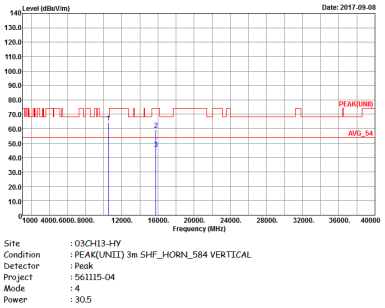
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz	
1	Horizontal	Vertical
Peak Avg.		

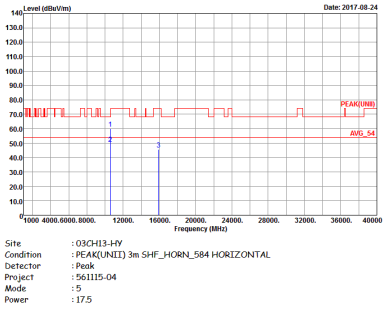
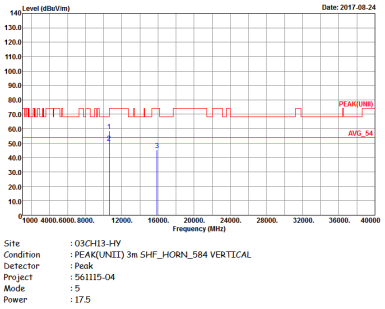
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

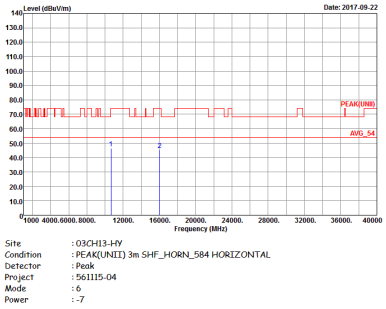
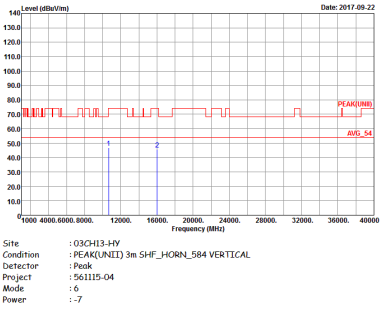
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 3 Power : 6	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 3 Power : 6

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

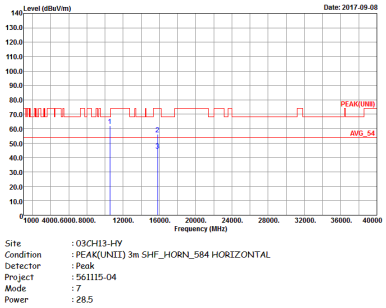
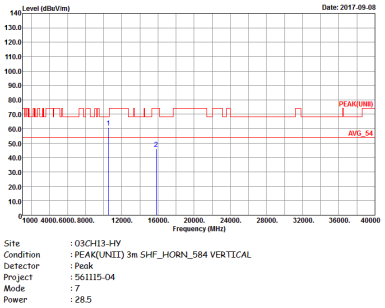
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 4 Power : 30.5	 Site : 03CH13-HV Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 4 Power : 30.5

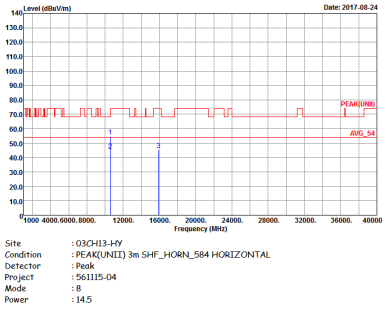
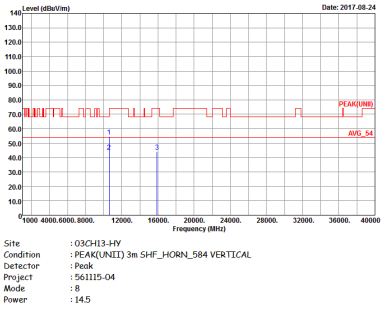
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 5 Power : 17.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 5 Power : 17.5

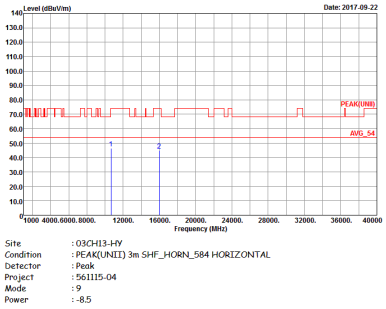
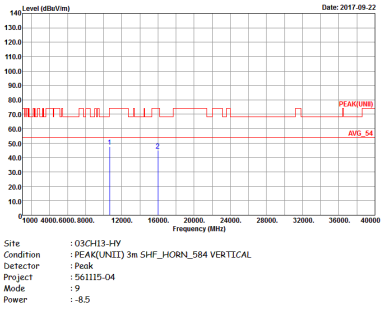
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 6 Power : -7	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 6 Power : -7

Band 2 5250~5350MHz

WIFI 802.11ac VHT30 (Harmonic @ 3m)

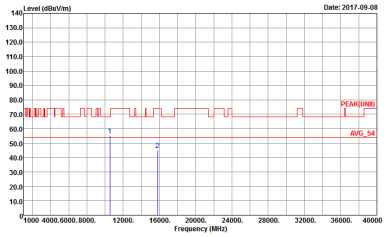
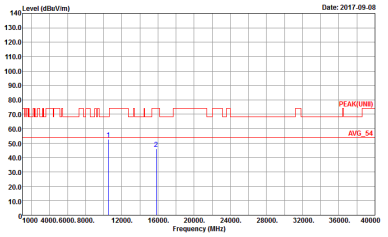
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz	
1	Horizontal	Vertical
Peak Avg.		

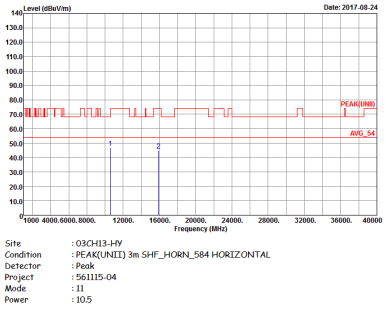
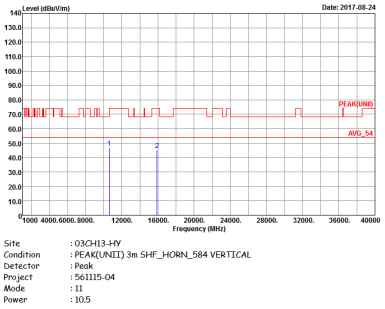
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 8 Power : 14.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 8 Power : 14.5

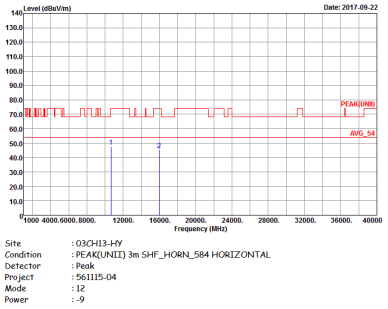
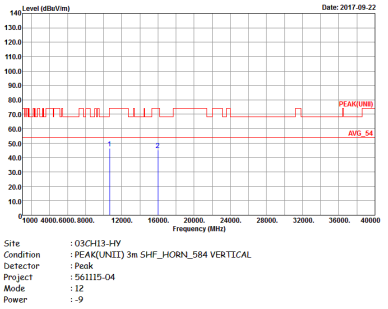
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 9 Power : -8.5	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 9 Power : -8.5

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

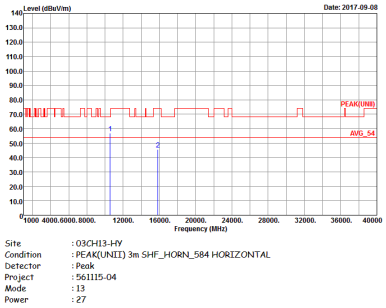
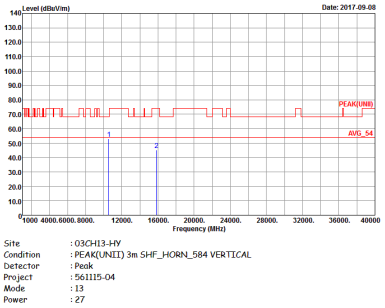
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HV Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 10 Power : 27.5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 10540.00 55.42 -12.78 68.20 61.44 39.54 10.87 56.97 100 0 Peak 2 15810.00 45.34 -28.66 74.00 50.17 37.59 13.15 56.31 100 0 Peak	 Site : 03CH13-HV Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 10 Power : 27.5 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 10540.00 52.50 -15.70 68.20 58.52 39.54 10.87 56.97 100 0 Peak 2 15810.00 46.07 -27.93 74.00 50.90 37.59 13.15 56.31 100 0 Peak

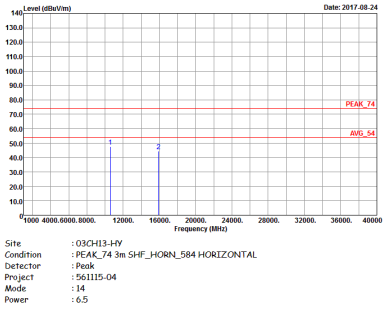
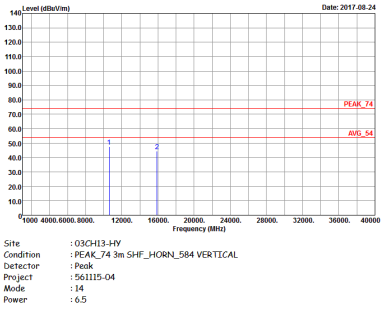
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

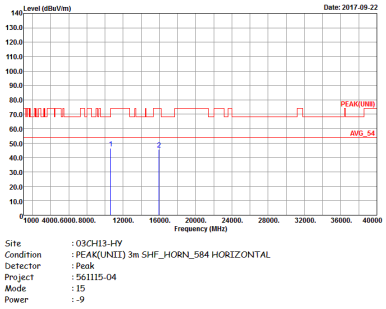
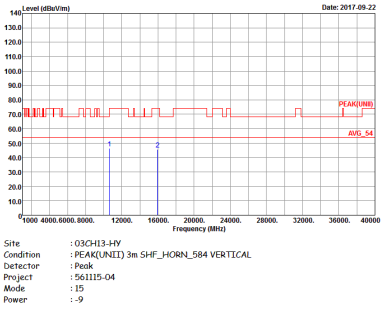
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 12 Power : -9	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 12 Power : -9

Band 2 5250~5350MHz

WIFI 802.11ac VHT50 (Harmonic @ 3m)

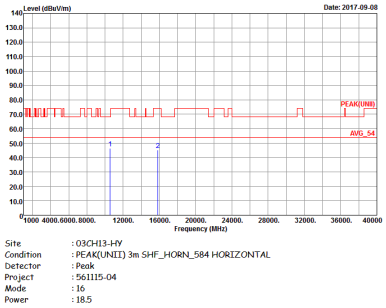
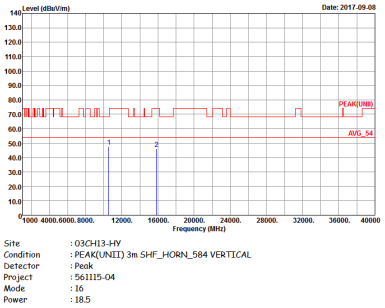
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz	
1	Horizontal	Vertical
Peak Avg.		

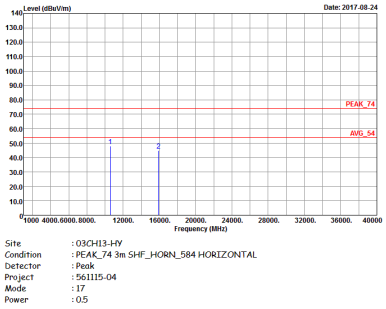
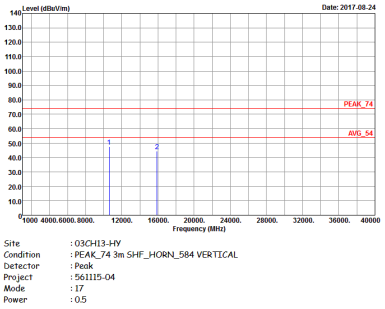
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 14 Power : 6.5	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 14 Power : 6.5

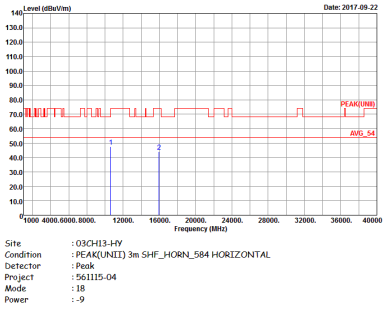
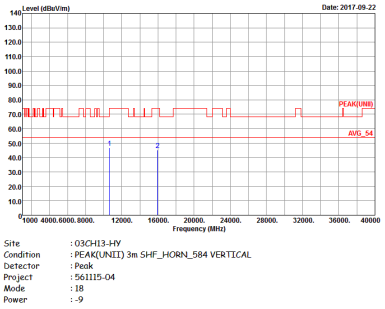
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT60 (Harmonic @ 3m)

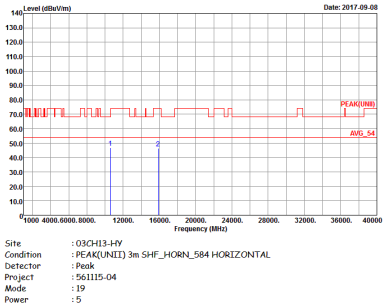
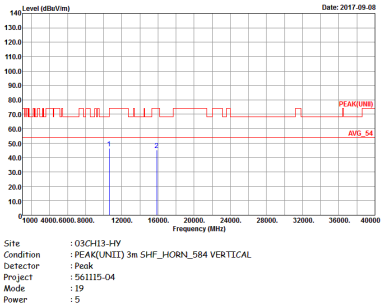
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz	
1	Horizontal	Vertical
Peak Avg.		

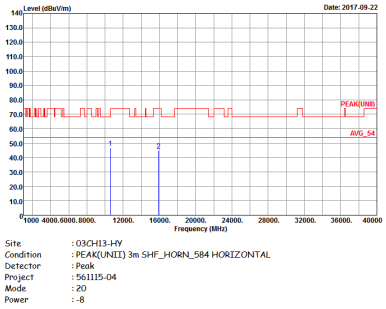
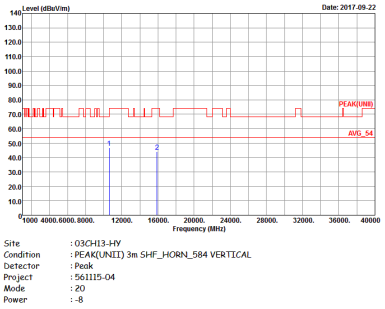
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 17 Power : 0.5	 Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 17 Power : 0.5

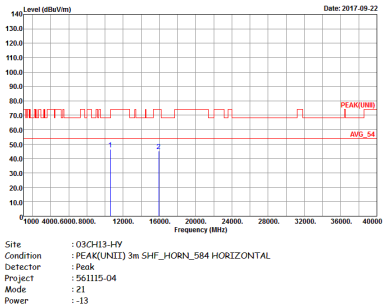
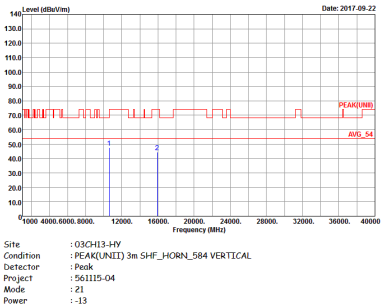
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

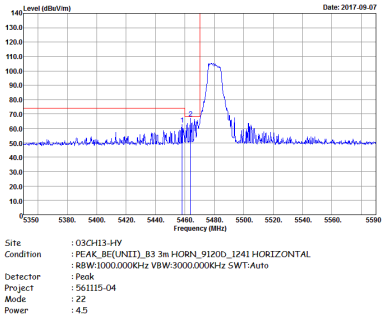
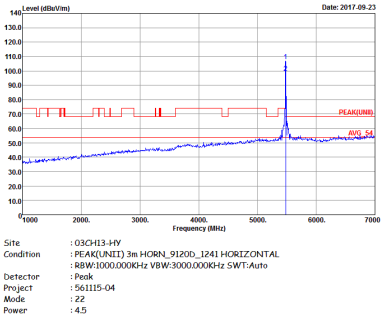
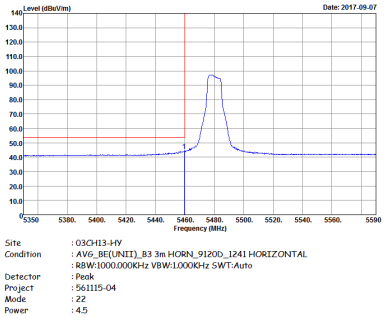
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

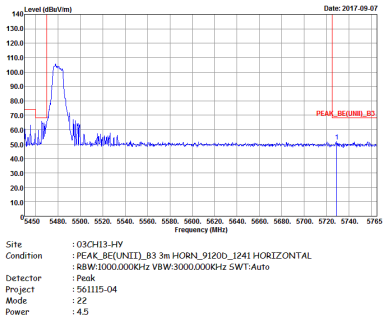
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak Project : 561115-04 Mode : 20 Power : -8	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak Project : 561115-04 Mode : 20 Power : -8

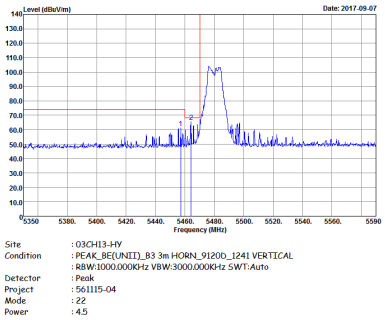
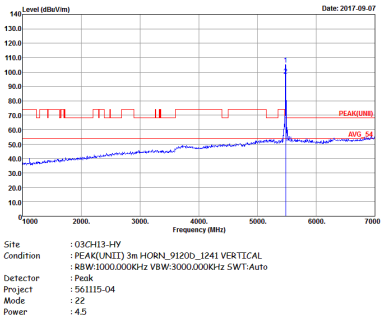
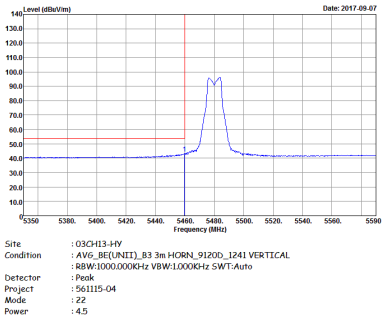
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT10 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH96 5480MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH96 5480MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH96 5480MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank