FCC RF Test Report

APPLICANT	:	Ubiquiti Networks, Inc.
EQUIPMENT	:	IsoStation AC
BRAND NAME	:	UBIQUITI
MODEL NAME	:	IS-5AC
FCC ID	:	SWX-IS5AC
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Dec. 24, 2016 and testing was completed on Feb. 28, 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.

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6N2220-02	Rev. 01	Initial issue of report	Mar. 22, 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	≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 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 0.12 dB at 5444.080 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 10.00 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.
2580 Orchard Parkway San Jose, CA 95131

1.2 Manufacturer

Ubiquiti Networks, Inc.
2580 Orchard Parkway San Jose, CA 95131

1.3 Product 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: Horn 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. :**
	03CH10-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 v01r03.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

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	**VHT0**
802.11ac VHT20	**VHT0**
802.11ac VHT30	**VHT0**
802.11ac VHT40	**VHT0**
802.11ac VHT50	**VHT0**
802.11ac VHT60	**VHT0**
802.11ac VHT80	**VHT0**

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (2.4GHz) Link + WLAN (5GHz) Link + RJ-45 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

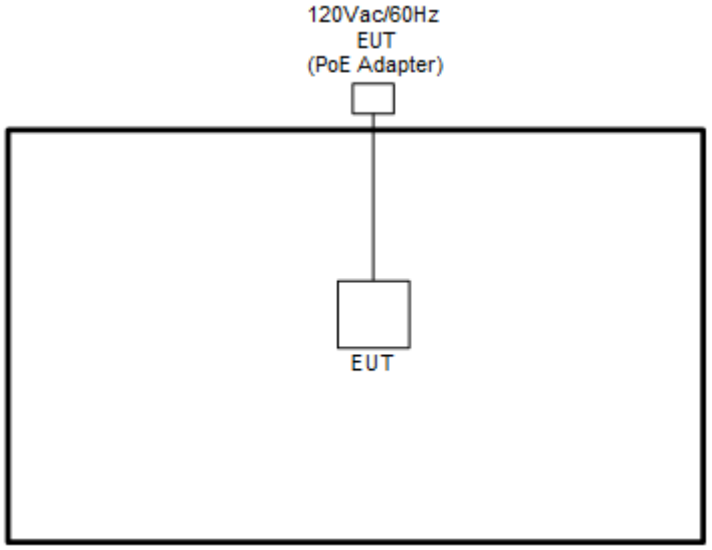
Ch. #		Band III：5470-5725MHz	Band III：5470-5725MHz	Band III：5470-5725MHz
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30
L	Low	96	97	98
M	Middle	120	120	120
H	High	143	142	141

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

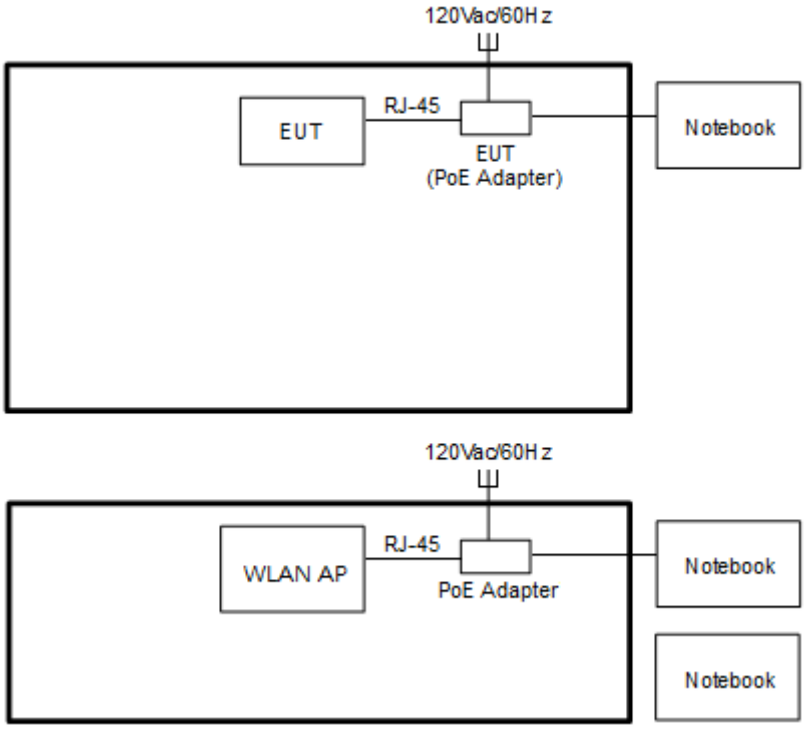
Ch. #		Band III：5470-5725MHz
		802.11ac VHT80
L	Low	103
M	Middle	120
H	High	137

2.2 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission>



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	AP	Ubiquiti	IS-5AC	N/A	N/A	Shielded, 1.8 m
2.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

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 were applied for operations in the frequency band in accordance with FCC KDB 644545 D03.

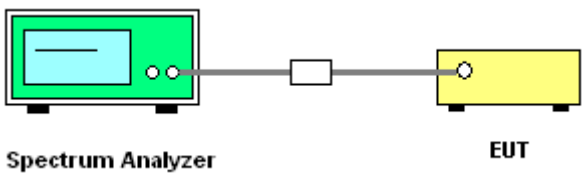
3.1.2 Measuring Instruments

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 v01r03. 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.

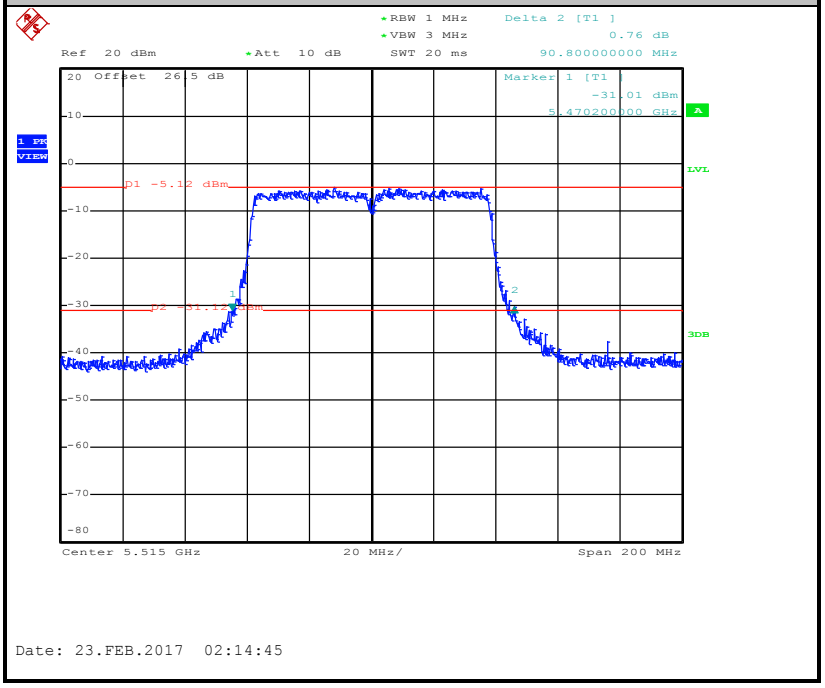
3.1.4 Test Setup



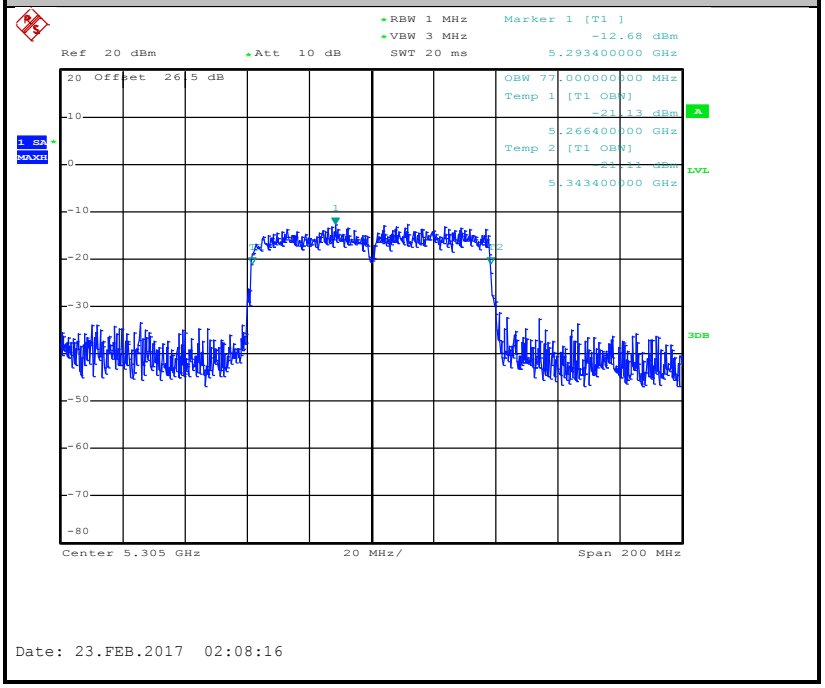
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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

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

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

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 v01r03 for.

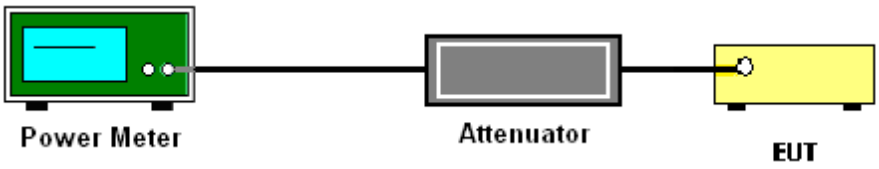
Method PM (Measurement using an RF average power meter):

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 v01r03.

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



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

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

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 v01r03. Section F) Maximum power spectral density.

 # Method SA-2 #

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

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

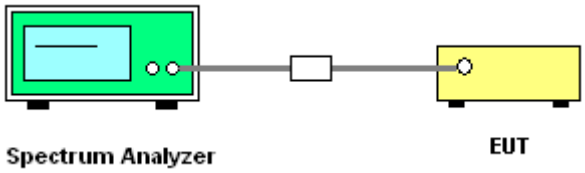
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter

Output v02r01.

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

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

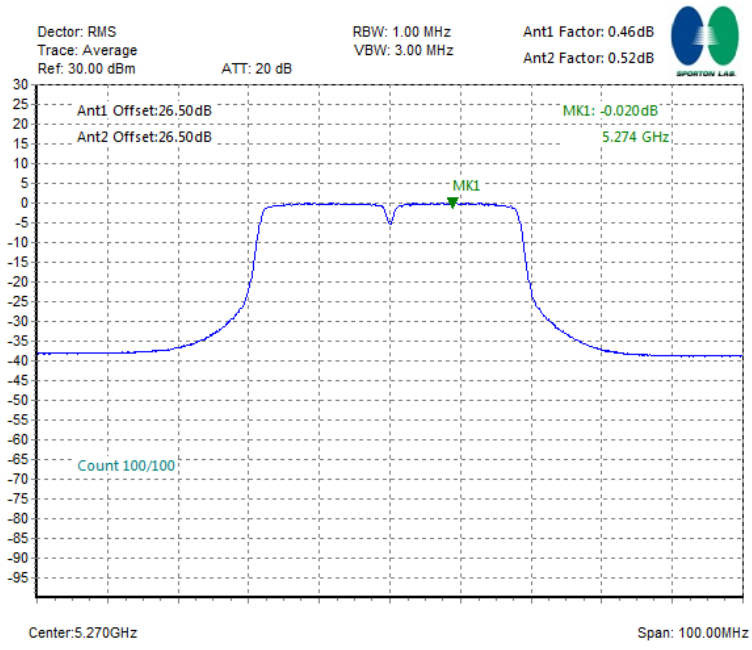
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

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 v01r03 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission 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 v01r03. 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

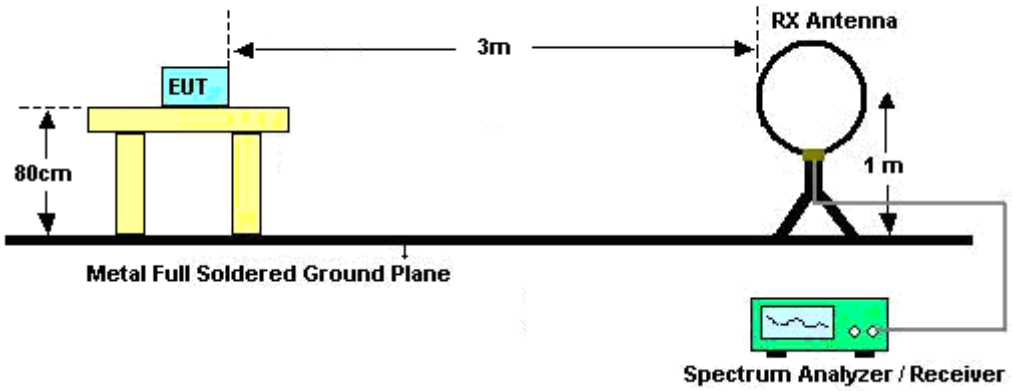
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - 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.

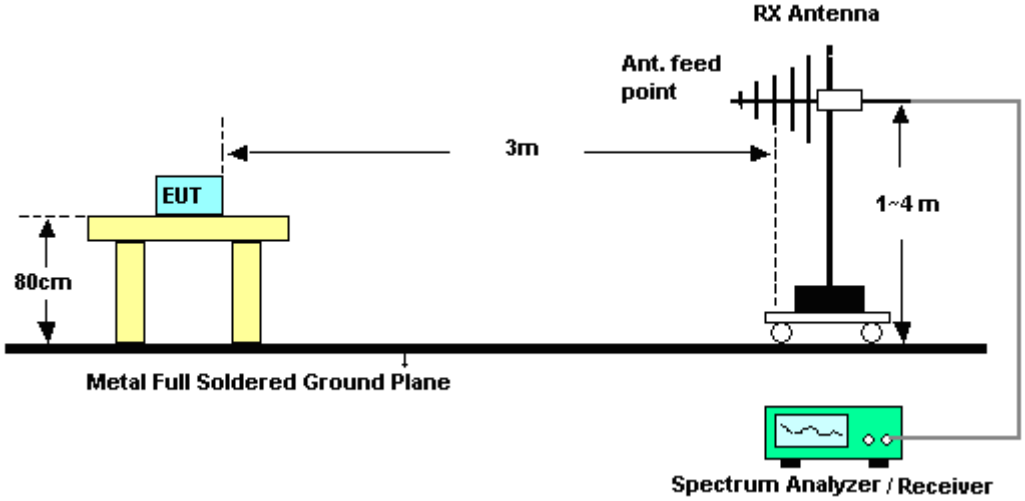
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

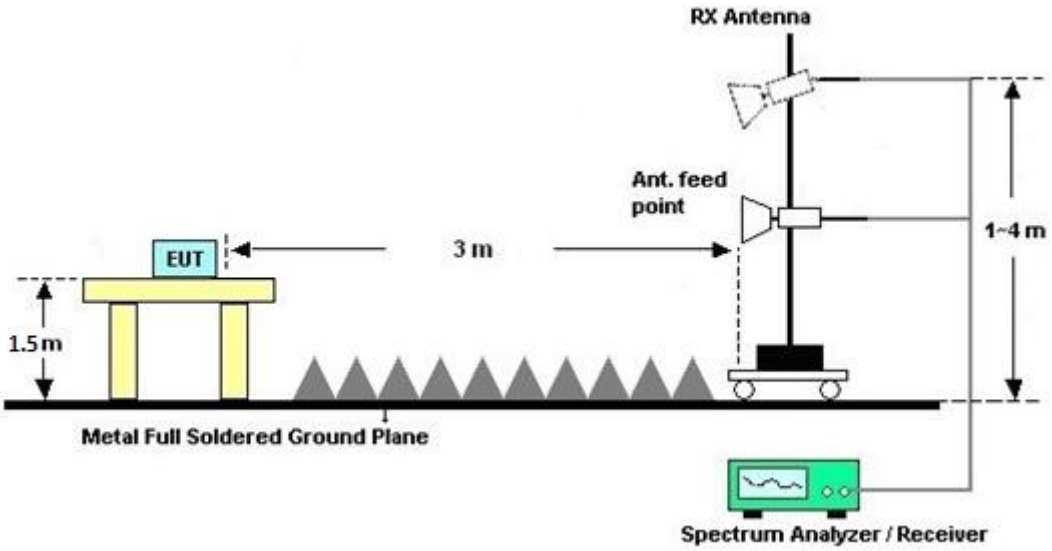
For radiated emissions below 30MHz



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.

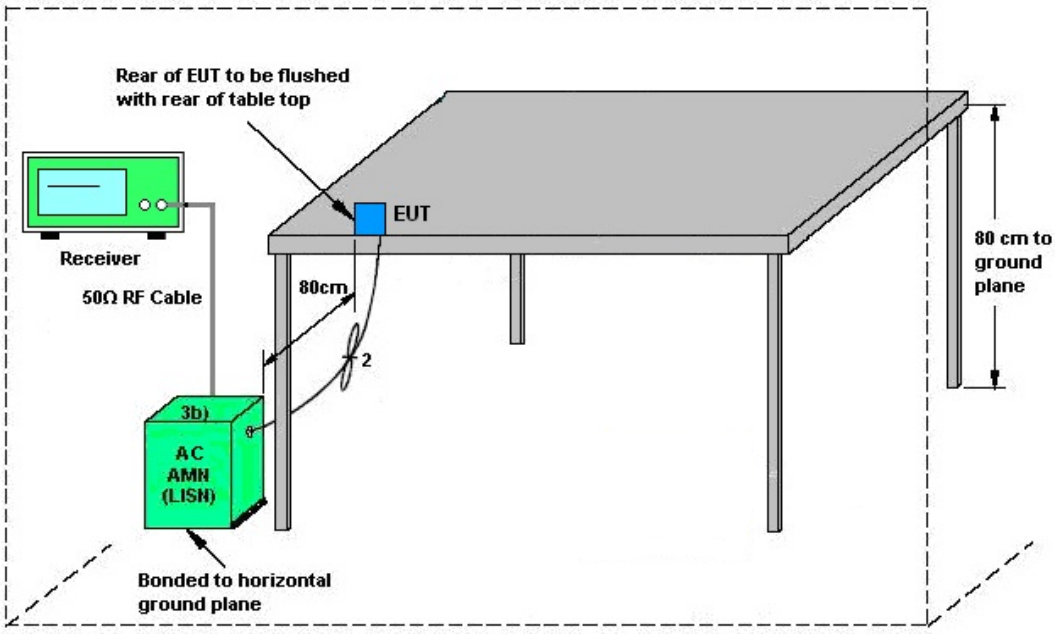
3.5.2 Measuring Instruments

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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 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

According to FCC 47 CFR Section 15.407(a)(1)(2) ,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	14.00	14.00	14.00	17.01	8.00	11.01
Band III	14.00	14.00	14.00	17.01	8.00	11.01

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	0932001	300MHz~40GHz	Sep. 29, 2016	Jan. 18, 2017 ~ Feb. 28, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Jan. 18, 2017 ~ Feb. 28, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Jan. 18, 2017 ~ Feb. 28, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 26, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 07, 2017	Feb. 07, 2017 ~ Feb. 25, 2017	Jan. 06, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Sep. 30, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Sep. 29, 2017	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 26, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Jun. 15, 2017	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 17, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Oct. 16, 2017	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 07, 2017 ~ Feb. 25, 2017	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Feb. 07, 2017 ~ Feb. 25, 2017	N/A	Radiation (03CH10-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Oct. 20, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Oct. 19, 2018	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180002	1GHz~18GHz	Jul. 27, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Jul. 26, 2017	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 10, 2016	Feb. 07, 2017 ~ Feb. 25, 2017	Mar. 09, 2017	Radiation (03CH10-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 05, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Jan. 05, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Jan. 05, 2017	Nov. 28, 2017	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.6**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.9**

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

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

Appendix A. Conducted Test Results

Report Number : FR6N2220-02

Test Engineer:	Shiming Liu / Aking Chang	Temperature:	21~25	°C
Test Date:	2017/01/18 ~ 2017/02/28	Relative Humidity:	51~54	%

Report Number : FR6N2220-02

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	VHT0	2	51	5255	10.13	10.25	13.80	14.00	21.05		27.05		22.40		
VHT10	VHT0	2	60	5300	10.23	10.28	14.10	13.88	21.10		27.10		22.42		
VHT10	VHT0	2	68	5340	10.20	10.20	13.65	14.03	21.09		27.09		22.35		
VHT20	VHT0	2	52	5260	18.60	18.60	25.25	24.50	23.70		29.70		23.98		
VHT20	VHT0	2	60	5300	18.85	18.80	25.70	25.00	23.74		29.74		23.98		
VHT20	VHT0	2	67	5335	19.00	18.95	25.85	24.75	23.78		29.78		23.98		
VHT30	VHT0	2	53	5265	27.60	27.60	36.50	36.40	23.98		30.00		23.98		
VHT30	VHT0	2	60	5300	28.13	27.90	36.68	36.08	23.98		30.00		23.98		
VHT30	VHT0	2	66	5330	30.30	30.23	38.85	37.66	23.98		30.00		23.98		
VHT40	VHT0	2	54	5270	36.80	36.80	46.08	46.00	23.98		30.00		23.98		
VHT40	VHT0	2	60	5300	36.80	36.70	46.24	45.01	23.98		30.00		23.98		
VHT40	VHT0	2	65	5325	37.20	37.10	46.44	45.70	23.98		30.00		23.98		
VHT50	VHT0	2	55	5275	44.88	45.00	55.50	54.75	23.98		30.00		23.98		
VHT50	VHT0	2	60	5300	44.88	45.00	55.65	55.25	23.98		30.00		23.98		
VHT50	VHT0	2	64	5320	45.25	45.25	58.50	60.45	23.98		30.00		23.98		
VHT60	VHT0	2	56	5280	55.20	55.35	67.03	67.32	23.98		30.00		23.98		
VHT60	VHT0	2	60	5300	55.80	55.20	71.54	70.42	23.98		30.00		23.98		
VHT60	VHT0	2	63	5315	55.50	55.50	68.84	69.19	23.98		30.00		23.98		
VHT80	VHT0	2	58	5290	76.20	76.00	88.76	85.72	23.98		30.00		23.98		
VHT80	VHT0	2	60	5300	76.60	76.40	90.16	90.64	23.98		30.00		23.98		
VHT80	VHT0	2	61	5305	77.00	77.00	89.76	86.20	23.98		30.00		23.98		

Report Number : FR6N2220-02

TEST RESULTS DATA
Average Power Table

FCC Band II															
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	VHT0	2	51	5255	0.17	0.17	5.17	5.32	8.26	14.40		14.00		30	Pass
VHT10	VHT0	2	60	5300	0.17	0.17	5.75	5.80	8.78	14.42		14.00		30	Pass
VHT10	VHT0	2	68	5340	0.17	0.17	3.72	6.65	8.44	14.35		14.00		30	Pass
VHT20	VHT0	2	52	5260	0.23	0.23	7.78	8.18	11.00	15.98		14.00		30	Pass
VHT20	VHT0	2	60	5300	0.23	0.23	8.73	9.07	11.92	15.98		14.00		30	Pass
VHT20	VHT0	2	67	5335	0.23	0.23	1.41	3.98	5.90	15.98		14.00		30	Pass
VHT30	VHT0	2	53	5265	0.35	0.35	10.05	10.45	13.26	15.98		14.00		30	Pass
VHT30	VHT0	2	60	5300	0.35	0.35	10.10	11.05	13.61	15.98		14.00		30	Pass
VHT30	VHT0	2	66	5330	0.35	0.35	-1.75	-1.55	1.36	15.98		14.00		30	Pass
VHT40	VHT0	2	54	5270	0.46	0.52	11.46	11.82	14.66	15.98		14.00		30	Pass
VHT40	VHT0	2	60	5300	0.46	0.52	12.66	13.04	15.87	15.98		14.00		30	Pass
VHT40	VHT0	2	65	5325	0.46	0.52	-2.01	-2.13	0.94	15.98		14.00		30	Pass
VHT50	VHT0	2	55	5275	0.56	0.56	11.91	12.31	15.12	15.98		14.00		30	Pass
VHT50	VHT0	2	60	5300	0.56	0.56	12.71	13.08	15.91	15.98		14.00		30	Pass
VHT50	VHT0	2	64	5320	0.56	0.56	-1.69	-1.74	1.29	15.98		14.00		30	Pass
VHT60	VHT0	2	56	5280	0.66	0.62	12.76	13.12	15.95	15.98		14.00		30	Pass
VHT60	VHT0	2	60	5300	0.66	0.62	8.61	8.62	11.62	15.98		14.00		30	Pass
VHT60	VHT0	2	63	5315	0.66	0.62	-2.49	-2.38	0.57	15.98		14.00		30	Pass
VHT80	VHT0	2	58	5290	0.85	0.90	8.49	8.90	11.71	15.98		14.00		30	Pass
VHT80	VHT0	2	60	5300	0.85	0.90	-0.47	-0.15	2.70	15.98		14.00		30	Pass
VHT80	VHT0	2	61	5305	0.85	0.90	-2.15	-1.78	1.05	15.98		14.00		30	Pass

Report Number : FR6N2220-02

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	VHT0	2	51	5255	0.17	0.17			-0.22	-0.01		17.01			Pass
VHT10	VHT0	2	60	5300	0.17	0.17			-0.28	-0.01		17.01			Pass
VHT10	VHT0	2	68	5340	0.17	0.17			-0.55	-0.01		17.01			Pass
VHT20	VHT0	2	52	5260	0.23	0.23			-0.56	-0.01		17.01			Pass
VHT20	VHT0	2	60	5300	0.23	0.23			-0.80	-0.01		17.01			Pass
VHT20	VHT0	2	67	5335	0.23	0.23			-6.27	-0.01		17.01			Pass
VHT30	VHT0	2	53	5265	0.35	0.35			-0.09	-0.01		17.01			Pass
VHT30	VHT0	2	60	5300	0.35	0.35			-0.21	-0.01		17.01			Pass
VHT30	VHT0	2	66	5330	0.35	0.35			-12.79	-0.01		17.01			Pass
VHT40	VHT0	2	54	5270	0.46	0.52			-0.02	-0.01		17.01			Pass
VHT40	VHT0	2	60	5300	0.46	0.52			-0.63	-0.01		17.01			Pass
VHT40	VHT0	2	65	5325	0.46	0.52			-15.02	-0.01		17.01			Pass
VHT50	VHT0	2	55	5275	0.56	0.56			-0.25	-0.01		17.01			Pass
VHT50	VHT0	2	60	5300	0.56	0.56			-0.09	-0.01		17.01			Pass
VHT50	VHT0	2	64	5320	0.56	0.56			-14.95	-0.01		17.01			Pass
VHT60	VHT0	2	56	5280	0.66	0.62			-0.29	-0.01		17.01			Pass
VHT60	VHT0	2	60	5300	0.66	0.62			-4.61	-0.01		17.01			Pass
VHT60	VHT0	2	63	5315	0.66	0.62			-16.63	-0.01		17.01			Pass
VHT80	VHT0	2	58	5290	0.85	0.90			-6.00	-0.01		17.01			Pass
VHT80	VHT0	2	60	5300	0.85	0.90			-15.54	-0.01		17.01			Pass
VHT80	VHT0	2	61	5305	0.85	0.90			-17.60	-0.01		17.01			Pass

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	VHT0	2	96	5480	10.23	10.28	13.93	13.65	21.10		27.10		22.35		
VHT10	VHT0	2	120	5600	10.30	10.33	14.13	14.10	21.13		27.13		22.49		
VHT10	VHT0	2	143	5715	10.23	10.35	13.80	14.13	21.10		27.10		22.40		
VHT20	VHT0	2	97	5485	18.90	18.90	25.05	24.95	23.76		29.76		23.98		
VHT20	VHT0	2	120	5600	18.75	18.70	24.95	25.20	23.72		29.72		23.98		
VHT20	VHT0	2	142	5710	18.75	18.85	25.75	25.85	23.73		29.73		23.98		
VHT30	VHT0	2	98	5490	28.20	27.98	37.45	36.91	23.98		30.00		23.98		
VHT30	VHT0	2	120	5600	27.75	27.98	36.40	36.90	23.98		30.00		23.98		
VHT30	VHT0	2	141	5705	28.50	27.98	37.45	36.79	23.98		30.00		23.98		
VHT40	VHT0	2	99	5495	37.00	37.30	45.54	47.35	23.98		30.00		23.98		
VHT40	VHT0	2	120	5600	36.90	36.70	45.54	44.64	23.98		30.00		23.98		
VHT40	VHT0	2	140	5700	37.10	37.30	45.54	45.88	23.98		30.00		23.98		
VHT50	VHT0	2	100	5500	45.00	44.88	55.83	56.25	23.98		30.00		23.98		
VHT50	VHT0	2	120	5600	44.75	45.13	54.00	54.50	23.98		30.00		23.98		
VHT50	VHT0	2	139	5695	45.50	45.38	55.66	55.71	23.98		30.00		23.98		
VHT60	VHT0	2	101	5505	55.20	55.80	67.50	70.30	23.98		30.00		23.98		
VHT60	VHT0	2	120	5600	55.05	55.20	66.60	67.08	23.98		30.00		23.98		
VHT60	VHT0	2	138	5690	56.70	56.25	66.89	69.25	23.98		30.00		23.98		
VHT80	VHT0	2	103	5515	76.60	76.60	88.32	90.80	23.98		30.00		23.98		
VHT80	VHT0	2	120	5600	75.80	75.80	88.00	87.40	23.98		30.00		23.98		
VHT80	VHT0	2	137	5685	76.60	76.80	87.32	87.90	23.98		30.00		23.98		

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	VHT0	2	96	5480	0.17	0.17	4.79	5.82	8.34	14.35		14.00		30	Pass
VHT10	VHT0	2	120	5600	0.17	0.17	5.20	5.42	8.32	14.49		14.00		30	Pass
VHT10	VHT0	2	143	5715	0.17	0.17	6.47	6.57	9.53	14.40		14.00		30	Pass
VHT20	VHT0	2	97	5485	0.23	0.23	8.08	8.94	11.54	15.98		14.00		30	Pass
VHT20	VHT0	2	120	5600	0.23	0.23	7.98	8.23	11.12	15.98		14.00		30	Pass
VHT20	VHT0	2	142	5710	0.23	0.23	4.48	4.93	7.72	15.98		14.00		30	Pass
VHT30	VHT0	2	98	5490	0.35	0.35	7.00	7.75	10.40	15.98		14.00		30	Pass
VHT30	VHT0	2	120	5600	0.35	0.35	9.31	10.20	12.79	15.98		14.00		30	Pass
VHT30	VHT0	2	141	5705	0.35	0.35	2.85	3.30	6.09	15.98		14.00		30	Pass
VHT40	VHT0	2	99	5495	0.46	0.52	5.76	5.96	8.87	15.98		14.00		30	Pass
VHT40	VHT0	2	120	5600	0.46	0.52	11.22	11.24	14.24	15.98		14.00		30	Pass
VHT40	VHT0	2	140	5700	0.46	0.52	2.57	2.67	5.63	15.98		14.00		30	Pass
VHT50	VHT0	2	100	5500	0.56	0.56	6.86	7.09	9.99	15.98		14.00		30	Pass
VHT50	VHT0	2	120	5600	0.56	0.56	11.88	12.07	14.98	15.98		14.00		30	Pass
VHT50	VHT0	2	139	5695	0.56	0.56	2.89	2.96	5.93	15.98		14.00		30	Pass
VHT60	VHT0	2	101	5505	0.66	0.62	3.91	4.23	7.08	15.98		14.00		30	Pass
VHT60	VHT0	2	120	5600	0.66	0.62	12.26	12.52	15.40	15.98		14.00		30	Pass
VHT60	VHT0	2	138	5690	0.66	0.62	1.83	2.14	5.00	15.98		14.00		30	Pass
VHT80	VHT0	2	103	5515	0.85	0.90	2.36	2.90	5.65	15.98		14.00		30	Pass
VHT80	VHT0	2	120	5600	0.85	0.90	12.45	12.94	15.71	15.98		14.00		30	Pass
VHT80	VHT0	2	137	5685	0.85	0.90	2.37	2.80	5.60	15.98		14.00		30	Pass

Report Number : FR6N2220-02

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	VHT0	2	96	5480	0.17	0.17			-0.52	-0.01		17.01			Pass
VHT10	VHT0	2	120	5600	0.17	0.17			-0.11	-0.01		17.01			Pass
VHT10	VHT0	2	143	5715	0.17	0.17			-0.04	-0.01		17.01			Pass
VHT20	VHT0	2	97	5485	0.23	0.23			-0.37	-0.01		17.01			Pass
VHT20	VHT0	2	120	5600	0.23	0.23			-0.53	-0.01		17.01			Pass
VHT20	VHT0	2	142	5710	0.23	0.23			-4.76	-0.01		17.01			Pass
VHT30	VHT0	2	98	5490	0.35	0.35			-2.87	-0.01		17.01			Pass
VHT30	VHT0	2	120	5600	0.35	0.35			-0.24	-0.01		17.01			Pass
VHT30	VHT0	2	141	5705	0.35	0.35			-7.56	-0.01		17.01			Pass
VHT40	VHT0	2	99	5495	0.46	0.52			-5.50	-0.01		17.01			Pass
VHT40	VHT0	2	120	5600	0.46	0.52			-0.07	-0.01		17.01			Pass
VHT40	VHT0	2	140	5700	0.46	0.52			-9.29	-0.01		17.01			Pass
VHT50	VHT0	2	100	5500	0.56	0.56			-5.07	-0.01		17.01			Pass
VHT50	VHT0	2	120	5600	0.56	0.56			-0.18	-0.01		17.01			Pass
VHT50	VHT0	2	139	5695	0.56	0.56			-9.60	-0.01		17.01			Pass
VHT60	VHT0	2	101	5505	0.66	0.62			-8.57	-0.01		17.01			Pass
VHT60	VHT0	2	120	5600	0.66	0.62			-0.29	-0.01		17.01			Pass
VHT60	VHT0	2	138	5690	0.66	0.62			-11.08	-0.01		17.01			Pass
VHT80	VHT0	2	103	5515	0.85	0.90			-11.31	-0.01		17.01			Pass
VHT80	VHT0	2	120	5600	0.85	0.90			-1.59	-0.01		17.01			Pass
VHT80	VHT0	2	137	5685	0.85	0.90			-11.97	-0.01		17.01			Pass

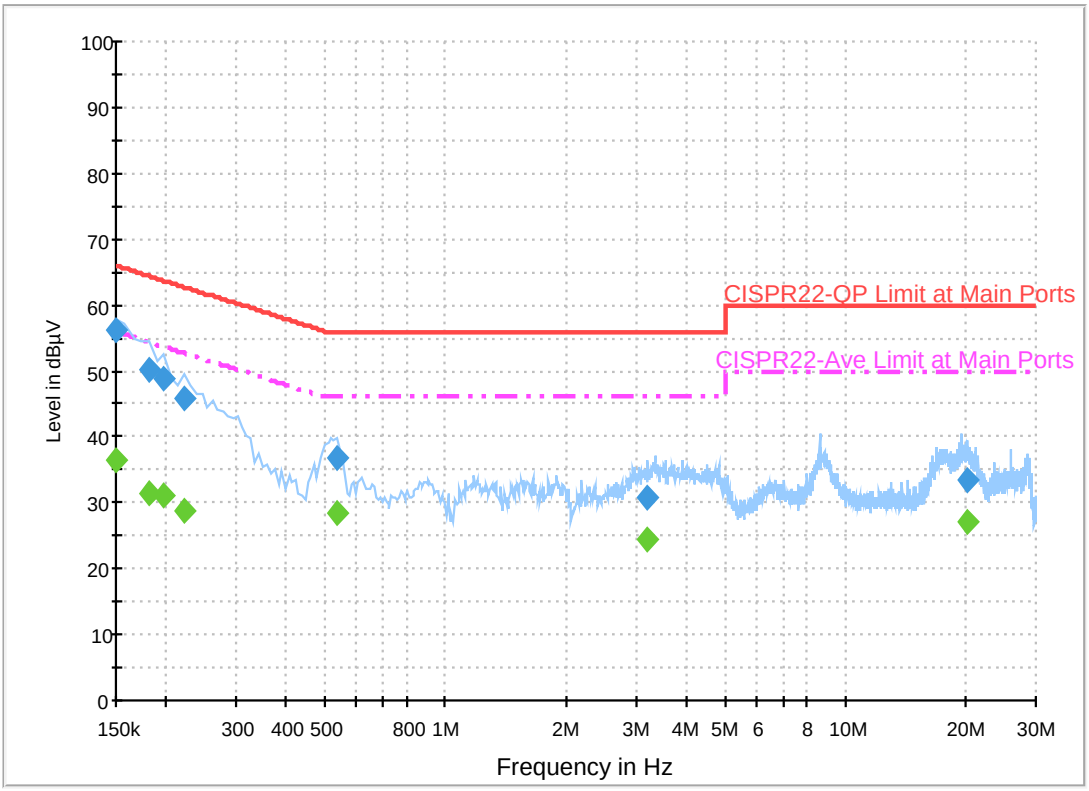
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Arthur Hsieh	**Temperature :**	24~26℃
		Relative Humidity :	50~51%

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	56.0	Off	L1	19.6	10.0	66.0
0.182000	50.2	Off	L1	19.6	14.2	64.4
0.198000	48.7	Off	L1	19.6	15.0	63.7
0.222000	45.8	Off	L1	19.6	16.9	62.7
0.534000	36.8	Off	L1	19.6	19.2	56.0
3.214000	30.8	Off	L1	19.6	25.2	56.0
20.270000	33.5	Off	L1	20.6	26.5	60.0

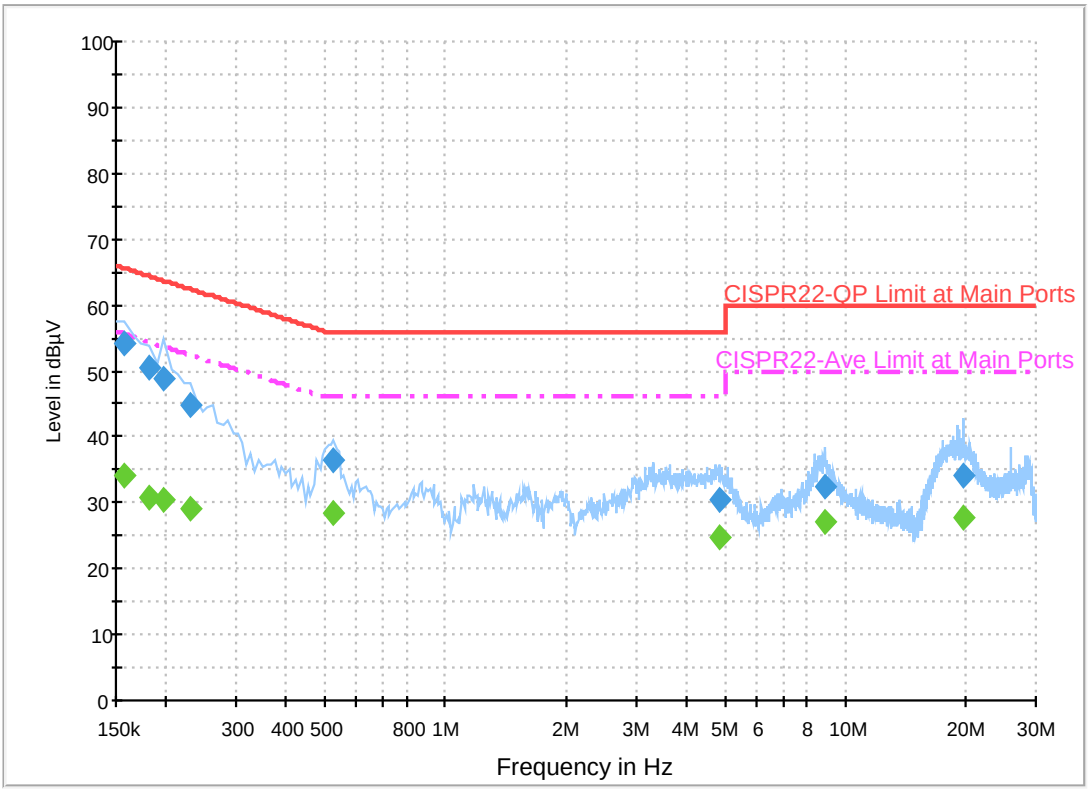
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	36.3	Off	L1	19.6	19.7	56.0
0.182000	31.4	Off	L1	19.6	23.0	54.4
0.198000	31.3	Off	L1	19.6	22.4	53.7
0.222000	28.9	Off	L1	19.6	23.8	52.7
0.534000	28.4	Off	L1	19.6	17.6	46.0
3.214000	24.4	Off	L1	19.6	21.6	46.0
20.270000	27.0	Off	L1	20.6	23.0	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	54.3	Off	N	19.6	11.3	65.6
0.182000	50.7	Off	N	19.6	13.7	64.4
0.198000	48.7	Off	N	19.6	15.0	63.7
0.230000	44.8	Off	N	19.6	17.6	62.4
0.526000	36.3	Off	N	19.6	19.7	56.0
4.862000	30.4	Off	N	19.8	25.6	56.0
8.918000	32.4	Off	N	20.0	27.6	60.0
19.886000	34.0	Off	N	20.7	26.0	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	34.1	Off	N	19.6	21.5	55.6
0.182000	30.9	Off	N	19.6	23.5	54.4
0.198000	30.4	Off	N	19.6	23.3	53.7
0.230000	29.0	Off	N	19.6	23.4	52.4
0.526000	28.4	Off	N	19.6	17.6	46.0
4.862000	24.7	Off	N	19.8	21.3	46.0
8.918000	27.2	Off	N	20.0	22.8	50.0
19.886000	27.8	Off	N	20.7	22.2	50.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	Temperature :	22~24°C
		Relative Humidity :	46~48%

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT10 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5143.52	57.64	-16.36	74	50.26	31.98	7.94	32.54	200	187	P	H
		5137.28	49.52	-4.48	54	42.16	31.96	7.94	32.54	200	187	A	H
	*	5255	122.71	-	-	115.03	32.1	8.12	32.54	200	187	P	H
	*	5255	116.18	-	-	108.5	32.1	8.12	32.54	200	187	A	H
		5459.52	59.47	-14.53	74	51.39	32.34	8.29	32.55	200	187	P	H
		5452.8	51.65	-2.35	54	43.57	32.34	8.29	32.55	200	187	A	H
													H
													H
802.11ac													H
VTH10													H
CH 51		5123.5	57.91	-16.09	74	50.55	31.96	7.94	32.54	207	179	P	V
5255MHz		5143.26	48.25	-5.75	54	40.87	31.98	7.94	32.54	207	179	A	V
	*	5255	120.63	-	-	112.95	32.1	8.12	32.54	207	179	P	V
	*	5255	115.85	-	-	108.17	32.1	8.12	32.54	207	179	A	V
		5426.64	57.62	-16.38	74	49.58	32.3	8.29	32.55	207	179	P	V
		5413.92	49.72	-4.28	54	41.68	32.3	8.29	32.55	207	179	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5143.52	57.57	-16.43	74	50.19	31.98	7.94	32.54	196	180	P	H
		5136.24	48.44	-5.56	54	41.08	31.96	7.94	32.54	196	180	A	H
	*	5300	123.38	-	-	115.58	32.16	8.18	32.54	196	180	P	H
	*	5300	115.27	-	-	107.47	32.16	8.18	32.54	196	180	A	H
		5459.28	58.51	-15.49	74	50.43	32.34	8.29	32.55	196	180	P	H
		5458.56	50.98	-3.02	54	42.9	32.34	8.29	32.55	196	180	A	H
													H
													H
802.11ac													H
VTH10													H
CH 60		5142.74	54.72	-19.28	74	47.34	31.98	7.94	32.54	240	181	P	V
5300MHz		5140.66	46.62	-7.38	54	39.24	31.98	7.94	32.54	240	181	A	V
	*	5300	121.37	-	-	113.57	32.16	8.18	32.54	240	181	P	V
	*	5300	113.86	-	-	106.06	32.16	8.18	32.54	240	181	A	V
		5364.72	56.67	-17.33	74	48.68	32.24	8.29	32.54	240	181	P	V
		5352.72	47.77	-6.23	54	39.86	32.22	8.23	32.54	240	181	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
802.11ac VTH10 CH 68 5340MHz		5340	108.81	34.81	74	100.92	32.2	8.23	32.54	205	181	P	H
		5340	102.62	48.62	54	94.73	32.2	8.23	32.54	205	181	A	H
	*	5350.88	60.43	-	-	52.52	32.22	8.23	32.54	205	181	P	H
	*	5350.08	52.87	-	-	44.96	32.22	8.23	32.54	205	181	A	H
													H
													H
													H
													H
													H
													H
		5340	109.08	35.08	74	101.19	32.2	8.23	32.54	217	182	P	V
		5340	103.07	49.07	54	95.18	32.2	8.23	32.54	217	182	A	V
	*	5350.08	64.45	-	-	56.54	32.22	8.23	32.54	217	182	P	V
	*	5350.08	52.54	-	-	44.63	32.22	8.23	32.54	217	182	A	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT10 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10510	49.71	-24.29	74	59.85	39.9	12.06	62.1	100	0	P	H
		15765	37.33	-36.67	74	46.48	37.66	14.82	61.63	100	0	P	H
802.11ac													H
VTH10													H
CH 51		10510	47.64	-26.36	74	57.78	39.9	12.06	62.1	100	0	P	V
5255MHz		15765	36.34	-37.66	74	45.49	37.66	14.82	61.63	100	0	P	V
													V
													V
		10600	48.81	-25.19	74	47.64	39.98	12.11	50.92	100	0	P	H
		15900	46.52	-27.48	74	46.18	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VTH10													H
CH 60		10600	47.4	-26.6	74	46.23	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	46.55	-27.45	74	46.21	37.47	14.85	51.98	100	0	P	V
													V
													V
		10680	47.41	-26.59	74	46.15	40.04	12.15	50.93	100	0	P	H
		16020	47.07	-26.93	74	46.79	37.4	14.88	52	100	0	P	H
802.11ac													H
VTH10													H
CH 68		10680	46.97	-27.03	74	45.71	40.04	12.15	50.93	100	0	P	V
5340MHz		16020	45.78	-28.22	74	45.5	37.4	14.88	52	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5147.94	57.85	-16.15	74	50.47	31.98	7.94	32.54	214	185	P	H
		5144.3	48.85	-5.15	54	41.47	31.98	7.94	32.54	214	185	A	H
	*	5260	119.07	-	-	111.37	32.12	8.12	32.54	214	185	P	H
	*	5260	113.13	-	-	105.43	32.12	8.12	32.54	214	185	A	H
		5381.52	59.95	-14.05	74	51.95	32.26	8.29	32.55	214	185	P	H
		5444.64	51.06	-2.94	54	43	32.32	8.29	32.55	214	185	A	H
													H
													H
802.11ac													H
VHT20													H
CH 52		5107.9	56.85	-17.15	74	49.48	31.94	7.96	32.53	205	181	P	V
5260MHz		5140.4	47.72	-6.28	54	40.34	31.98	7.94	32.54	205	181	A	V
	*	5260	119.08	-	-	111.38	32.12	8.12	32.54	205	181	P	V
	*	5260	112.54	-	-	104.84	32.12	8.12	32.54	205	181	A	V
		5387.28	59.52	-14.48	74	51.52	32.26	8.29	32.55	205	181	P	V
		5350.08	49.21	-4.79	54	41.3	32.22	8.23	32.54	205	181	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5138.32	58.77	-15.23	74	51.41	31.96	7.94	32.54	206	188	P	H
		5137.8	49.66	-4.34	54	42.3	31.96	7.94	32.54	206	188	A	H
	*	5300	116.51	-	-	108.71	32.16	8.18	32.54	206	188	P	H
	*	5300	112.42	-	-	104.62	32.16	8.18	32.54	206	188	A	H
		5446.8	59.91	-14.09	74	51.83	32.34	8.29	32.55	206	188	P	H
		5445.36	52.09	-1.91	54	44.03	32.32	8.29	32.55	206	188	A	H
													H
													H
802.11ac													H
VHT20													H
CH 60		5145.6	55.28	-18.72	74	47.9	31.98	7.94	32.54	232	177	P	V
5300MHz		5149.76	47.26	-6.74	54	39.88	31.98	7.94	32.54	232	177	A	V
	*	5300	116.27	-	-	108.47	32.16	8.18	32.54	232	177	P	V
	*	5300	110.34	-	-	102.54	32.16	8.18	32.54	232	177	A	V
		5350.8	57.2	-16.8	74	49.29	32.22	8.23	32.54	232	177	P	V
		5351.52	48.37	-5.63	54	40.46	32.22	8.23	32.54	232	177	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5335	101.2	27.2	74	93.31	32.2	8.23	32.54	198	180	P	H
		5335	94.86	40.86	54	86.97	32.2	8.23	32.54	198	180	A	H
	*	5350.08	59.46	-	-	51.55	32.22	8.23	32.54	198	180	P	H
	*	5350.08	52.76	-	-	44.85	32.22	8.23	32.54	198	180	A	H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 67		5335	102.54	28.54	74	94.65	32.2	8.23	32.54	225	177	P	V
5335MHz		5335	94.9	40.9	54	87.01	32.2	8.23	32.54	225	177	A	V
	*	5350.4	61.62	-	-	53.71	32.22	8.23	32.54	225	177	P	V
	*	5350.08	52.63	-	-	44.72	32.22	8.23	32.54	225	177	A	V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.95	-27.05	74	57.06	39.91	12.08	62.1	100	0	P	H
		15780	36.71	-37.29	74	45.86	37.66	14.82	61.63	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	45.4	-28.6	74	55.51	39.91	12.08	62.1	100	0	P	V
5260MHz		15780	36.68	-37.32	74	45.83	37.66	14.82	61.63	100	0	P	V
													V
													V
		10600	48.35	-25.65	74	47.18	39.98	12.11	50.92	100	0	P	H
		15900	46.4	-27.6	74	46.06	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	47.67	-26.33	74	46.5	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	46.93	-27.07	74	46.59	37.47	14.85	51.98	100	0	P	V
													V
													V
		10670	48.57	-25.43	74	47.33	40.04	12.13	50.93	100	0	P	H
		16005	46.83	-27.17	74	46.6	37.35	14.88	52	100	0	P	H
802.11ac													H
VHT20													H
CH 67		10670	47.34	-26.66	74	46.1	40.04	12.13	50.93	100	0	P	V
5335MHz		16005	46.49	-27.51	74	46.26	37.35	14.88	52	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+2	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)
		5133.64	58.28	-15.72	74	50.92	31.96	7.94	32.54	183	188	P	H
		5135.2	48.83	-5.17	54	41.47	31.96	7.94	32.54	183	188	A	H
	*	5265	117.97	-	-	110.27	32.12	8.12	32.54	183	188	P	H
	*	5265	111.38	-	-	103.68	32.12	8.12	32.54	183	188	A	H
		5440.56	58.87	-15.13	74	50.81	32.32	8.29	32.55	183	188	P	H
		5452.08	52.25	-1.75	54	44.17	32.34	8.29	32.55	183	188	A	H
													H
													H
802.11ac													H
VHT30													H
CH 53		5149.24	56.42	-17.58	74	49.04	31.98	7.94	32.54	200	177	P	V
5265MHz		5137.54	48.45	-5.55	54	41.09	31.96	7.94	32.54	200	177	A	V
	*	5265	117.17	-	-	109.47	32.12	8.12	32.54	200	177	P	V
	*	5265	111.05	-	-	103.35	32.12	8.12	32.54	200	177	A	V
		5358.24	57.91	-16.09	74	50	32.22	8.23	32.54	200	177	P	V
		5352.72	50.1	-3.9	54	42.19	32.22	8.23	32.54	200	177	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5142.22	55.37	-18.63	74	47.99	31.98	7.94	32.54	217	186	P	H
		5149.5	47.92	-6.08	54	40.54	31.98	7.94	32.54	217	186	A	H
	*	5300	114.72	-	-	106.92	32.16	8.18	32.54	217	186	P	H
	*	5300	108.68	-	-	100.88	32.16	8.18	32.54	217	186	A	H
		5358.48	57.79	-16.21	74	49.88	32.22	8.23	32.54	217	186	P	H
		5350.08	51.25	-2.75	54	43.34	32.22	8.23	32.54	217	186	A	H
													H
													H
802.11ac													H
VHT30													H
CH 60		5140.14	53.26	-20.74	74	45.88	31.98	7.94	32.54	234	177	P	V
5300MHz		5149.5	46.15	-7.85	54	38.77	31.98	7.94	32.54	234	177	A	V
	*	5300	112.21	-	-	104.41	32.16	8.18	32.54	234	177	P	V
	*	5300	106.67	-	-	98.87	32.16	8.18	32.54	234	177	A	V
		5350.56	57.23	-16.77	74	49.32	32.22	8.23	32.54	234	177	P	V
		5350.56	47.96	-6.04	54	40.05	32.22	8.23	32.54	234	177	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5134.42	48.88	-25.12	74	41.52	31.96	7.94	32.54	214	185	P	H
		5063.44	40.36	-13.64	54	33.02	31.88	7.99	32.53	214	185	A	H
	*	5330	95.87	-	-	87.98	32.2	8.23	32.54	214	185	P	H
	*	5330	89.95	-	-	82.06	32.2	8.23	32.54	214	185	A	H
		5350.08	62.18	-11.82	74	54.27	32.22	8.23	32.54	214	185	P	H
		5350.08	53.74	-0.26	54	45.83	32.22	8.23	32.54	214	185	A	H
													H
													H
802.11ac													H
VHT30													H
CH 66		5069.68	47.76	-26.24	74	40.42	31.88	7.99	32.53	230	180	P	V
5330MHz		5102.96	40.5	-13.5	54	33.15	31.92	7.96	32.53	230	180	A	V
	*	5330	93.12	-	-	85.23	32.2	8.23	32.54	230	180	P	V
	*	5330	87.27	-	-	79.38	32.2	8.23	32.54	230	180	A	V
		5350.56	59.45	-14.55	74	51.54	32.22	8.23	32.54	230	180	P	V
		5350.08	51.94	-2.06	54	44.03	32.22	8.23	32.54	230	180	A	H
													V
													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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10530	46.35	-27.65	74	56.43	39.93	12.08	62.09	100	0	P	H
		15795	37.83	-36.17	74	47	37.63	14.82	61.62	100	0	P	H
802.11ac													H
VHT30													H
CH 53		10530	44.62	-29.38	74	54.7	39.93	12.08	62.09	100	0	P	V
5265MHz		15795	38.36	-35.64	74	47.53	37.63	14.82	61.62	100	0	P	V
													V
													V
		10600	47.12	-26.88	74	45.95	39.98	12.11	50.92	100	0	P	H
		15900	46.49	-27.51	74	46.15	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VHT30													H
CH 60		10600	47.95	-26.05	74	46.78	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	46.81	-27.19	74	46.47	37.47	14.85	51.98	100	0	P	V
													V
													V
		10660	47.62	-26.38	74	46.4	40.02	12.13	50.93	100	0	P	H
		15990	46.93	-27.07	74	46.76	37.3	14.87	52	100	0	P	H
802.11ac													H
VHT30													H
CH 66		10660	47.46	-26.54	74	46.24	40.02	12.13	50.93	100	0	P	V
5330MHz		15990	46.11	-27.89	74	45.94	37.3	14.87	52	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5137.54	58.28	-15.72	74	50.92	31.96	7.94	32.54	205	181	P	H
		5148.46	51.08	-2.92	54	43.7	31.98	7.94	32.54	205	181	A	H
	*	5270	114.96	-	-	107.26	32.12	8.12	32.54	205	181	P	H
	*	5270	108.54	-	-	100.84	32.12	8.12	32.54	205	181	A	H
		5442.48	61.08	-12.92	74	53.02	32.32	8.29	32.55	205	181	P	H
		5443.68	53.09	-0.91	54	45.03	32.32	8.29	32.55	205	181	A	H
													H
													H
802.11ac													H
VHT40													H
CH 54		5050.96	55.87	-18.13	74	48.55	31.86	7.99	32.53	206	180	P	V
5270MHz		5139.1	47.74	-6.26	54	40.38	31.96	7.94	32.54	206	180	A	V
	*	5270	114.63	-	-	106.93	32.12	8.12	32.54	206	180	P	V
	*	5270	108	-	-	100.3	32.12	8.12	32.54	206	180	A	V
		5431.68	57.34	-16.66	74	49.28	32.32	8.29	32.55	206	180	P	V
		5358.72	49.36	-4.64	54	41.45	32.22	8.23	32.54	206	180	A	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5147.42	53.8	-20.2	74	46.42	31.98	7.94	32.54	217	187	P	H
		5141.44	45.76	-8.24	54	38.38	31.98	7.94	32.54	217	187	A	H
	*	5300	114.12	-	-	106.32	32.16	8.18	32.54	217	187	P	H
	*	5300	108.07	-	-	100.27	32.16	8.18	32.54	217	187	A	H
		5350.8	59.18	-14.82	74	51.27	32.22	8.23	32.54	217	187	P	H
		5350.08	52.88	-1.12	54	44.97	32.22	8.23	32.54	217	187	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 60		5146.12	54.19	-19.81	74	46.81	31.98	7.94	32.54	207	182	P	V
5300MHz		5150	47.24	-6.76	54	39.86	31.98	7.94	32.54	207	182	A	V
	*	5300	112.67	-	-	104.87	32.16	8.18	32.54	207	182	P	V
	*	5300	106.08	-	-	98.28	32.16	8.18	32.54	207	182	A	V
		5412.24	56.81	-17.19	74	48.77	32.3	8.29	32.55	207	182	P	V
		5350.56	51.04	-2.96	54	43.13	32.22	8.23	32.54	207	182	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5101.14	48.34	-25.66	74	40.99	31.92	7.96	32.53	200	184	P	H
		5137.28	40.6	-13.4	54	33.24	31.96	7.94	32.54	200	184	A	H
	*	5325	95.82	-	-	87.95	32.18	8.23	32.54	200	184	P	H
	*	5325	88.68	-	-	80.81	32.18	8.23	32.54	200	184	A	H
		5350.32	61.06	-12.94	74	53.15	32.22	8.23	32.54	200	184	P	H
		5350.32	53.68	-0.32	54	45.77	32.22	8.23	32.54	200	184	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 65		5123.76	48.55	-25.45	74	41.19	31.96	7.94	32.54	220	183	P	V
5325MHz		5147.94	40.87	-13.13	54	33.49	31.98	7.94	32.54	220	183	A	V
	*	5325	93.52	-	-	85.65	32.18	8.23	32.54	220	183	P	V
	*	5325	86.5	-	-	78.63	32.18	8.23	32.54	220	183	A	V
		5352.24	56.53	-17.47	74	48.62	32.22	8.23	32.54	220	183	P	V
		5350.56	50.59	-3.41	54	42.68	32.22	8.23	32.54	220	183	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	47.77	-26.23	74	57.85	39.93	12.08	62.09	100	0	P	H
		15810	37.72	-36.28	74	46.9	37.6	14.83	61.61	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	42.99	-31.01	74	53.07	39.93	12.08	62.09	100	0	P	V
5270MHz		15810	37.66	-36.34	74	46.84	37.6	14.83	61.61	100	0	P	V
													V
													V
		10600	48.35	-25.65	74	47.18	39.98	12.11	50.92	100	0	P	H
		15900	47.27	-26.73	74	46.93	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VHT40													H
CH 60		10600	47.71	-26.29	74	46.54	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	45.97	-28.03	74	45.63	37.47	14.85	51.98	100	0	P	V
													V
													V
		10650	48.11	-25.89	74	46.89	40.02	12.13	50.93	100	0	P	H
		15975	46.44	-27.56	74	46.24	37.33	14.87	52	100	0	P	H
802.11ac													H
VHT40													H
CH 65		10650	48.61	-25.39	74	47.39	40.02	12.13	50.93	100	0	P	V
5325MHz		15975	46.77	-27.23	74	46.57	37.33	14.87	52	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+2	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)
		5066.56	57.9	-16.1	74	50.56	31.88	7.99	32.53	218	188	P	H
		5149.24	50.99	-3.01	54	43.61	31.98	7.94	32.54	218	188	A	H
	*	5275	113.95	-	-	106.25	32.12	8.12	32.54	218	188	P	H
	*	5275	107.26	-	-	99.56	32.12	8.12	32.54	218	188	A	H
		5367.36	61.89	-12.11	74	53.9	32.24	8.29	32.54	218	188	P	H
		5353.44	53.74	-0.26	54	45.83	32.22	8.23	32.54	218	188	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 55		5137.54	55.57	-18.43	74	48.21	31.96	7.94	32.54	208	179	P	V
5275MHz		5141.7	47.96	-6.04	54	40.58	31.98	7.94	32.54	208	179	A	V
	*	5275	113.69	-	-	105.99	32.12	8.12	32.54	208	179	P	V
	*	5275	106.96	-	-	99.26	32.12	8.12	32.54	208	179	A	V
		5370.24	61.9	-12.1	74	53.91	32.24	8.29	32.54	208	179	P	V
		5351.52	51.23	-2.77	54	43.32	32.22	8.23	32.54	208	179	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5094.12	53.62	-20.38	74	46.27	31.92	7.96	32.53	214	186	P	H
		5148.72	45.32	-8.68	54	37.94	31.98	7.94	32.54	214	186	A	H
	*	5300	110.31	-	-	102.51	32.16	8.18	32.54	214	186	P	H
	*	5300	104.06	-	-	96.26	32.16	8.18	32.54	214	186	A	H
		5360.4	59.01	-14.99	74	51.1	32.22	8.23	32.54	214	186	P	H
		5350.08	52.84	-1.16	54	44.93	32.22	8.23	32.54	214	186	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 60		5092.82	49.78	-24.22	74	42.43	31.92	7.96	32.53	215	185	P	V
5300MHz		5143.78	42.76	-11.24	54	35.38	31.98	7.94	32.54	215	185	A	V
	*	5300	107.33	-	-	99.53	32.16	8.18	32.54	215	185	P	V
	*	5300	101.58	-	-	93.78	32.16	8.18	32.54	215	185	A	V
		5350.8	62.54	-11.46	74	54.63	32.22	8.23	32.54	215	185	P	V
		5351.28	53.25	-0.75	54	45.34	32.22	8.23	32.54	215	185	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5066.56	49.31	-24.69	74	41.97	31.88	7.99	32.53	214	196	P	H
		5097.24	40.53	-13.47	54	33.18	31.92	7.96	32.53	214	196	A	H
	*	5320	94.57	-	-	86.75	32.18	8.18	32.54	214	196	P	H
	*	5320	88.01	-	-	80.19	32.18	8.18	32.54	214	196	A	H
		5350.08	60.7	-13.3	74	52.79	32.22	8.23	32.54	214	196	P	H
		5350.32	53.05	-0.95	54	45.14	32.22	8.23	32.54	214	196	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 64		5125.06	48.79	-25.21	74	41.43	31.96	7.94	32.54	228	186	P	V
5320MHz		5130.26	40.57	-13.43	54	33.21	31.96	7.94	32.54	228	186	A	V
	*	5320	92.37	-	-	84.55	32.18	8.18	32.54	228	186	P	V
	*	5320	86.09	-	-	78.27	32.18	8.18	32.54	228	186	A	V
		5351.28	57.68	-16.32	74	49.77	32.22	8.23	32.54	228	186	P	V
		5350.08	51.11	-2.89	54	43.2	32.22	8.23	32.54	228	186	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT50 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10550	45.22	-28.78	74	55.29	39.94	12.08	62.09	100	0	P	H
		15825	37.5	-36.5	74	46.69	37.58	14.83	61.6	100	0	P	H
802.11ac													H
VHT50													H
CH 55		10550	42.46	-31.54	74	52.53	39.94	12.08	62.09	100	0	P	V
5275MHz		15825	37.46	-36.54	74	46.65	37.58	14.83	61.6	100	0	P	V
													V
													V
		10600	47.79	-26.21	74	46.62	39.98	12.11	50.92	100	0	P	H
		15900	47.03	-26.97	74	46.69	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VHT50													H
CH 60		10600	48.38	-25.62	74	47.21	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	46.46	-27.54	74	46.12	37.47	14.85	51.98	100	0	P	V
													V
													V
		10640	47.95	-26.05	74	46.73	40.01	12.13	50.92	100	0	P	H
		15960	46.63	-27.37	74	46.39	37.36	14.87	51.99	100	0	P	H
802.11ac													H
VHT50													H
CH 64		10640	48.2	-25.8	74	46.98	40.01	12.13	50.92	100	0	P	V
5320MHz		15960	46.05	-27.95	74	45.81	37.36	14.87	51.99	100	0	P	V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT60 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5144.04	53.63	-20.37	74	46.25	31.98	7.94	32.54	208	185	P	H
		5138.06	45.68	-8.32	54	38.32	31.96	7.94	32.54	208	185	A	H
	*	5280	111.66	-	-	103.94	32.14	8.12	32.54	208	185	P	H
	*	5280	105.31	-	-	97.59	32.14	8.12	32.54	208	185	A	H
		5350.56	59.91	-14.09	74	52	32.22	8.23	32.54	208	185	P	H
		5350.08	53.61	-0.39	54	45.7	32.22	8.23	32.54	208	185	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 56		5127.66	54.45	-19.55	74	47.09	31.96	7.94	32.54	205	181	P	V
5280MHz		5150	46.12	-7.88	54	38.74	31.98	7.94	32.54	205	181	A	V
	*	5280	111.6	-	-	103.88	32.14	8.12	32.54	205	181	P	V
	*	5280	104.81	-	-	97.09	32.14	8.12	32.54	205	181	A	V
		5354.88	59.15	-14.85	74	51.24	32.22	8.23	32.54	205	181	P	V
		5352.24	52.95	-1.05	54	45.04	32.22	8.23	32.54	205	181	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5105.56	50.6	-23.4	74	43.23	31.94	7.96	32.53	216	192	P	H
		5131.04	42.49	-11.51	54	35.13	31.96	7.94	32.54	216	192	A	H
	*	5300	104.05	-	-	96.25	32.16	8.18	32.54	216	192	P	H
	*	5300	98.79	-	-	90.99	32.16	8.18	32.54	216	192	A	H
		5350.08	59.02	-14.98	74	51.11	32.22	8.23	32.54	216	192	P	H
		5350.08	52.89	-1.11	54	44.98	32.22	8.23	32.54	216	192	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 60		5139.88	50.65	-23.35	74	43.27	31.98	7.94	32.54	209	183	P	V
5300MHz		5139.36	42.32	-11.68	54	34.96	31.96	7.94	32.54	209	183	A	V
	*	5300	101.98	-	-	94.18	32.16	8.18	32.54	209	183	P	V
	*	5300	95.99	-	-	88.19	32.16	8.18	32.54	209	183	A	V
		5352.96	57.84	-16.16	74	49.93	32.22	8.23	32.54	209	183	P	V
		5350.08	48.83	-5.17	54	40.92	32.22	8.23	32.54	209	183	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5027.56	48.24	-25.76	74	40.91	31.84	8.02	32.53	199	189	P	H
		5061.62	40.29	-13.71	54	32.95	31.88	7.99	32.53	199	189	A	H
	*	5315	92.69	-	-	84.87	32.18	8.18	32.54	199	189	P	H
	*	5315	87.12	-	-	79.3	32.18	8.18	32.54	199	189	A	H
		5351.04	60.41	-13.59	74	52.5	32.22	8.23	32.54	199	189	P	H
		5350.08	53.26	-0.74	54	45.35	32.22	8.23	32.54	199	189	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 63		5099.06	49.05	-24.95	74	41.7	31.92	7.96	32.53	221	181	P	V
5315MHz		5144.04	40.9	-13.1	54	33.52	31.98	7.94	32.54	221	181	A	V
	*	5315	90.03	-	-	82.21	32.18	8.18	32.54	221	181	P	V
	*	5315	84.4	-	-	76.58	32.18	8.18	32.54	221	181	A	V
		5350.08	59.83	-14.17	74	51.92	32.22	8.23	32.54	221	181	P	V
		5350.08	52.53	-1.47	54	44.62	32.22	8.23	32.54	221	181	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT60 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10560	43.35	-30.65	74	53.4	39.94	12.1	62.09	100	0	P	H
		15840	37.14	-36.86	74	46.34	37.55	14.84	61.59	100	0	P	H
802.11ac													H
VHT60													H
CH 56		10560	43.31	-30.69	74	53.36	39.94	12.1	62.09	100	0	P	V
5280MHz		15840	37.28	-36.72	74	46.48	37.55	14.84	61.59	100	0	P	V
													V
													V
		10600	47.68	-26.32	74	46.51	39.98	12.11	50.92	100	0	P	H
		15900	46.93	-27.07	74	46.59	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VHT60													H
CH 60		10600	48.22	-25.78	74	47.05	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	46.01	-27.99	74	45.67	37.47	14.85	51.98	100	0	P	V
													V
													V
		10630	47.54	-26.46	74	46.35	40	12.11	50.92	100	0	P	H
		15945	46.7	-27.3	74	46.45	37.38	14.86	51.99	100	0	P	H
802.11ac													H
VHT60													H
CH 63		10630	47.42	-26.58	74	46.23	40	12.11	50.92	100	0	P	V
5315MHz		15945	46.64	-27.36	74	46.39	37.38	14.86	51.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5091.52	50.33	-23.67	74	42.98	31.92	7.96	32.53	204	182	P	H
		5135.2	44.05	-9.95	54	36.69	31.96	7.94	32.54	204	182	A	H
	*	5290	99.01	-	-	91.23	32.14	8.18	32.54	204	182	P	H
	*	5290	92.98	-	-	85.2	32.14	8.18	32.54	204	182	A	H
		5351.28	57.13	-16.87	74	49.22	32.22	8.23	32.54	204	182	P	H
		5350.08	52.71	-1.29	54	44.8	32.22	8.23	32.54	204	182	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 58		5107.12	49.58	-24.42	74	42.21	31.94	7.96	32.53	231	177	P	V
5290MHz		5113.88	42.49	-11.51	54	35.12	31.94	7.96	32.53	231	177	A	V
	*	5290	99.72	-	-	91.94	32.14	8.18	32.54	231	177	P	V
	*	5290	93	-	-	85.22	32.14	8.18	32.54	231	177	A	V
		5351.04	53.96	-20.04	74	46.05	32.22	8.23	32.54	231	177	P	V
		5350.32	50.41	-3.59	54	42.5	32.22	8.23	32.54	231	177	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5079.3	48.29	-25.71	74	40.93	31.9	7.99	32.53	204	185	P	H
		5110.24	42.01	-11.99	54	34.64	31.94	7.96	32.53	204	185	A	H
	*	5300	94.89	-	-	87.09	32.16	8.18	32.54	204	185	P	H
	*	5300	88.86	-	-	81.06	32.16	8.18	32.54	204	185	A	H
		5352.48	59.2	-14.8	74	51.29	32.22	8.23	32.54	204	185	P	H
		5350.08	52.9	-1.1	54	44.99	32.22	8.23	32.54	204	185	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 60		5134.68	49.61	-24.39	74	42.25	31.96	7.94	32.54	214	179	P	V
5300MHz		5149.76	41.9	-12.1	54	34.52	31.98	7.94	32.54	214	179	A	V
	*	5300	91.83	-	-	84.03	32.16	8.18	32.54	214	179	P	V
	*	5300	85.4	-	-	77.6	32.16	8.18	32.54	214	179	A	V
		5350.8	56.3	-17.7	74	48.39	32.22	8.23	32.54	214	179	P	V
		5350.56	50.93	-3.07	54	43.02	32.22	8.23	32.54	214	179	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5041.34	49.03	-24.97	74	41.68	31.86	8.02	32.53	200	186	P	H
		5076.44	41.76	-12.24	54	34.4	31.9	7.99	32.53	200	186	A	H
	*	5305	92.71	-	-	84.91	32.16	8.18	32.54	200	186	P	H
	*	5305	87.53	-	-	79.73	32.16	8.18	32.54	200	186	A	H
		5351.04	57.91	-16.09	74	50	32.22	8.23	32.54	200	186	P	H
		5350.08	52.9	-1.1	54	44.99	32.22	8.23	32.54	200	186	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 61		5136.5	49.53	-24.47	74	42.17	31.96	7.94	32.54	235	182	P	V
5305MHz		5140.14	41.73	-12.27	54	34.35	31.98	7.94	32.54	235	182	A	V
	*	5305	89.93	-	-	82.13	32.16	8.18	32.54	235	182	P	V
	*	5305	84.51	-	-	76.71	32.16	8.18	32.54	235	182	A	V
		5350.8	58.82	-15.18	74	50.91	32.22	8.23	32.54	235	182	P	V
		5351.04	52.86	-1.14	54	44.95	32.22	8.23	32.54	235	182	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	42.19	-31.81	74	52.2	39.97	12.1	62.08	100	0	P	H
		15870	36.95	-37.05	74	46.19	37.49	14.84	61.57	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	42.47	-31.53	74	52.48	39.97	12.1	62.08	100	0	P	V
5290MHz		15870	36.2	-37.8	74	45.44	37.49	14.84	61.57	100	0	P	V
													V
													V
		10600	47.55	-26.45	74	46.38	39.98	12.11	50.92	100	0	P	H
		15900	46.45	-27.55	74	46.11	37.47	14.85	51.98	100	0	P	H
802.11ac													H
VHT80													H
CH 60		10600	47.17	-26.83	74	46	39.98	12.11	50.92	100	0	P	V
5300MHz		15900	47.88	-26.12	74	47.54	37.47	14.85	51.98	100	0	P	V
													V
													V
		10610	48.6	-25.4	74	47.43	39.98	12.11	50.92	100	0	P	H
		15915	47.02	-26.98	74	46.71	37.44	14.85	51.98	100	0	P	H
802.11ac													H
VHT80													H
CH 61		10610	47.31	-26.69	74	46.14	39.98	12.11	50.92	100	0	P	V
5305MHz		15915	46.93	-27.07	74	46.62	37.44	14.85	51.98	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT10 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.99	63.16	-10.84	74	55.08	32.34	8.29	32.55	188	179	P	H
		5470	66.74	-1.46	68.2	58.64	32.36	8.29	32.55	188	179	P	H
		5459.76	48.45	-5.55	54	40.37	32.34	8.29	32.55	188	179	A	H
	*	5480	114.56	-	-	106.44	32.38	8.29	32.55	188	179	P	H
	*	5480	108.47	-	-	100.35	32.38	8.29	32.55	188	179	A	H
													H
													H
													H
802.11ac													H
VTH10													H
CH 96		5459.12	57.65	-16.35	74	49.57	32.34	8.29	32.55	214	177	P	V
5480MHz		5469.84	65.47	-2.73	68.2	57.37	32.36	8.29	32.55	214	177	P	V
		5457.84	47.36	-6.64	54	39.28	32.34	8.29	32.55	214	177	A	V
	*	5480	114.13	-	-	106.01	32.38	8.29	32.55	214	177	P	V
	*	5480	107.24	-	-	99.12	32.38	8.29	32.55	214	177	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5447.92	60.06	-13.94	74	51.98	32.34	8.29	32.55	199	179	P	H
		5467.84	60.87	-7.33	68.2	52.77	32.36	8.29	32.55	199	179	P	H
		5443.36	52.78	-1.22	54	44.72	32.32	8.29	32.55	199	179	A	H
	*	5600	120.05	-	-	111.98	32.46	8.2	32.59	199	179	P	H
	*	5600	115.16	-	-	107.09	32.46	8.2	32.59	199	179	A	H
		5726.675	59.19	-9.01	68.2	50.97	32.53	8.33	32.64	199	179	P	H
													H
													H
802.11ac													H
VTH10													H
CH 120		5436.4	56.98	-17.02	74	48.92	32.32	8.29	32.55	206	180	P	V
5600MHz		5465.68	55.14	-13.06	68.2	47.04	32.36	8.29	32.55	206	180	P	V
		5458.24	48.37	-5.63	54	40.29	32.34	8.29	32.55	206	180	A	V
	*	5600	118.73	-	-	110.66	32.46	8.2	32.59	206	180	P	V
	*	5600	114.05	-	-	105.98	32.46	8.2	32.59	206	180	A	V
		5757.3	58.54	-9.66	68.2	50.31	32.56	8.33	32.66	206	180	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
802.11ac VTH10 CH 143 5715MHz	*	5715	114.6	-	-	106.42	32.52	8.3	32.64	185	176	P	H
	*	5715	108.01	-	-	99.83	32.52	8.3	32.64	185	176	A	H
		5725.08	66.56	-1.64	68.2	58.34	32.53	8.33	32.64	185	176	P	H
													H
													H
													H
													H
													H
													H
													H
	*	5715	112.49	-	-	104.31	32.52	8.3	32.64	196	180	P	V
	*	5715	107.04	-	-	98.86	32.52	8.3	32.64	196	180	A	V
		5725	65.52	-2.68	68.2	57.3	32.53	8.33	32.64	196	180	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT10 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10960	48.76	-25.24	74	58.22	40.27	12.28	62.01	100	0	P	H
		16440	47.91	-20.29	68.2	56.04	38.6	15.2	61.93	100	0	P	H
802.11ac													H
VTH10													H
CH 96		10960	48.89	-25.11	74	58.35	40.27	12.28	62.01	100	0	P	V
5480MHz		16440	47.39	-20.81	68.2	55.52	38.6	15.2	61.93	100	0	P	V
													V
													V
		11200	47.19	-26.81	74	56.55	40.18	12.42	61.96	100	0	P	H
		16800	48.64	-19.56	68.2	55.28	39.74	15.33	61.71	100	0	P	H
802.11ac													H
VTH10													H
CH 120		11200	48.27	-25.73	74	57.63	40.18	12.42	61.96	100	0	P	V
5600MHz		16800	48.97	-19.23	68.2	55.61	39.74	15.33	61.71	100	0	P	V
													V
													V
		11430	47.42	-26.58	74	56.76	40.04	12.53	61.91	100	0	P	H
		17145	49.96	-18.24	68.2	55.03	40.82	15.52	61.41	100	0	P	H
802.11ac													H
VTH10													H
CH 143		11430	47.33	-26.67	74	56.67	40.04	12.53	61.91	100	0	P	V
5715MHz		17145	50.71	-17.49	68.2	55.78	40.82	15.52	61.41	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.92	53.13	-20.87	74	45.05	32.34	8.29	32.55	196	178	P	H
		5470	66.98	-1.22	68.2	58.88	32.36	8.29	32.55	196	178	P	H
		5459.76	45.79	-8.21	54	37.71	32.34	8.29	32.55	196	178	A	H
	*	5485	110.54	-	-	102.42	32.38	8.29	32.55	196	178	P	H
	*	5485	103.36	-	-	95.24	32.38	8.29	32.55	196	178	A	H
													H
													H
													H
802.11ac													H
VHT20													H
CH 97		5443.92	51.91	-22.09	74	43.85	32.32	8.29	32.55	221	178	P	V
5485MHz		5470	67.68	-0.52	68.2	59.58	32.36	8.29	32.55	221	178	P	V
		5460	44.66	-9.34	54	36.58	32.34	8.29	32.55	221	178	A	V
	*	5485	111.36	-	-	103.24	32.38	8.29	32.55	221	178	P	V
	*	5485	103.74	-	-	95.62	32.38	8.29	32.55	221	178	A	V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5404.96	62.22	-11.78	74	54.2	32.28	8.29	32.55	189	180	P	H
		5468.32	59.66	-8.54	68.2	51.56	32.36	8.29	32.55	189	180	P	H
		5446.72	53.45	-0.55	54	45.37	32.34	8.29	32.55	189	180	A	H
	*	5600	117.89	-	-	109.82	32.46	8.2	32.59	189	180	P	H
	*	5600	114.54	-	-	106.47	32.46	8.2	32.59	189	180	A	H
		5746.45	59.95	-8.25	68.2	51.73	32.54	8.33	32.65	189	180	P	H
													H
													H
802.11ac													H
VHT20													H
CH 120		5418.88	57.45	-16.55	74	49.41	32.3	8.29	32.55	206	179	P	V
5600MHz		5468.32	55.22	-12.98	68.2	47.12	32.36	8.29	32.55	206	179	P	V
		5445.76	48.74	-5.26	54	40.66	32.34	8.29	32.55	206	179	A	V
	*	5600	117.4	-	-	109.33	32.46	8.2	32.59	206	179	P	V
	*	5600	114.37	-	-	106.3	32.46	8.2	32.59	206	179	A	V
		5755.025	58.51	-9.69	68.2	50.27	32.56	8.33	32.65	206	179	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
	*	5710	107.26	-	-	99.08	32.52	8.3	32.64	186	178	P	H
	*	5710	101.84	-	-	93.66	32.52	8.3	32.64	186	178	A	H
		5726.76	68.05	-0.15	68.2	59.83	32.53	8.33	32.64	186	178	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 142	*	5710	106.09	-	-	97.91	32.52	8.3	32.64	204	182	P	V
5710MHz	*	5710	100.14	-	-	91.96	32.52	8.3	32.64	204	182	A	V
		5725.72	66.23	-1.97	68.2	58.01	32.53	8.33	32.64	204	182	P	V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10970	47.43	-26.57	74	56.89	40.27	12.28	62.01	100	0	P	H
		16455	48.37	-19.83	68.2	56.47	38.65	15.2	61.95	100	0	P	H
802.11ac													H
VHT20													H
CH 97		10970	47.83	-26.17	74	57.29	40.27	12.28	62.01	100	0	P	V
5485MHz		16455	47.27	-20.93	68.2	55.37	38.65	15.2	61.95	100	0	P	V
													V
													V
		11200	46.47	-27.53	74	55.83	40.18	12.42	61.96	100	0	P	H
		16800	48.48	-19.72	68.2	55.12	39.74	15.33	61.71	100	0	P	H
802.11ac													H
VHT20													H
CH 120		11200	46.17	-27.83	74	55.53	40.18	12.42	61.96	100	0	P	V
5600MHz		16800	49.45	-18.75	68.2	56.09	39.74	15.33	61.71	100	0	P	V
													V
													V
		11420	47.45	-26.55	74	56.79	40.05	12.53	61.92	100	0	P	H
		17130	49.93	-18.27	68.2	55.06	40.77	15.52	61.42	100	0	P	H
802.11ac													H
VHT20													H
CH 142		11420	47.04	-26.96	74	56.38	40.05	12.53	61.92	100	0	P	V
5710MHz		17130	49.41	-18.79	68.2	54.54	40.77	15.52	61.42	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT30 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458	53.4	-20.6	74	45.32	32.34	8.29	32.55	191	181	P	H
		5469.28	67.8	-0.4	68.2	59.7	32.36	8.29	32.55	191	181	P	H
		5459.92	48.57	-5.43	54	40.49	32.34	8.29	32.55	191	181	A	H
	*	5490	106.16	-	-	98.04	32.38	8.29	32.55	191	181	P	H
	*	5490	101.02	-	-	92.9	32.38	8.29	32.55	191	181	A	H
		5758.175	51.7	-16.5	68.2	43.47	32.56	8.33	32.66	191	181	P	H
													H
													H
802.11ac													H
VHT30													H
CH 98		5456.56	51.54	-22.46	74	43.46	32.34	8.29	32.55	186	183	P	V
5490MHz		5468.8	67.18	-1.02	68.2	59.08	32.36	8.29	32.55	186	183	P	V
		5459.92	45.89	-8.11	54	37.81	32.34	8.29	32.55	186	183	A	V
	*	5490	105.31	-	-	97.19	32.38	8.29	32.55	186	183	P	V
	*	5490	99.45	-	-	91.33	32.38	8.29	32.55	186	183	A	V
		5725.8	51.28	-16.92	68.2	43.06	32.53	8.33	32.64	186	183	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5422	60.45	-13.55	74	52.41	32.3	8.29	32.55	195	181	P	H
		5462.8	61.24	-6.96	68.2	53.14	32.36	8.29	32.55	195	181	P	H
		5444.08	53.88	-0.12	54	45.82	32.32	8.29	32.55	195	181	A	H
	*	5600	117.43	-	-	109.36	32.46	8.2	32.59	195	181	P	H
	*	5600	110.42	-	-	102.35	32.46	8.2	32.59	195	181	A	H
		5728.25	59.61	-8.59	68.2	51.39	32.53	8.33	32.64	195	181	P	H
													H
													H
802.11ac													H
VHT30													H
CH 120		5414.08	56.7	-17.3	74	48.66	32.3	8.29	32.55	185	180	P	V
5600MHz		5465.68	55.91	-12.29	68.2	47.81	32.36	8.29	32.55	185	180	P	V
		5435.44	49.16	-4.84	54	41.1	32.32	8.29	32.55	185	180	A	V
	*	5600	117.03	-	-	108.96	32.46	8.2	32.59	185	180	P	V
	*	5600	109.23	-	-	101.16	32.46	8.2	32.59	185	180	A	V
		5747.5	57.81	-10.39	68.2	49.59	32.54	8.33	32.65	185	180	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5412.4	51.75	-22.25	74	43.71	32.3	8.29	32.55	199	176	P	H
		5469.52	50.66	-17.54	68.2	42.56	32.36	8.29	32.55	199	176	P	H
		5455.36	44.31	-9.69	54	36.23	32.34	8.29	32.55	199	176	A	H
	*	5705	102.5	-	-	94.32	32.52	8.3	32.64	199	176	P	H
	*	5705	97.25	-	-	89.07	32.52	8.3	32.64	199	176	A	H
		5725	67.48	-0.72	68.2	59.26	32.53	8.33	32.64	199	176	P	H
													H
													H
802.11ac													H
VHT30													H
CH 141		5439.52	48.64	-25.36	74	40.58	32.32	8.29	32.55	201	179	P	V
5705MHz		5469.28	47.55	-20.65	68.2	39.45	32.36	8.29	32.55	201	179	P	V
		5438.32	40.9	-13.1	54	32.84	32.32	8.29	32.55	201	179	A	V
	*	5705	101.85	-	-	93.67	32.52	8.3	32.64	201	179	P	V
	*	5705	96.4	-	-	88.22	32.52	8.3	32.64	201	179	A	V
		5725.1	66.17	-2.03	68.2	57.95	32.53	8.33	32.64	201	179	P	H
													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 VHT30 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10980	47.88	-26.12	74	57.31	40.29	12.28	62	100	0	P	H
		16470	46.83	-21.37	68.2	54.9	38.7	15.2	61.97	100	0	P	H
802.11ac													H
VHT30													H
CH 98		10980	47.54	-26.46	74	56.97	40.29	12.28	62	100	0	P	V
5490MHz		16470	47.5	-20.7	68.2	55.57	38.7	15.2	61.97	100	0	P	V
													V
													V
		11200	46.51	-27.49	74	55.87	40.18	12.42	61.96	100	0	P	H
		16800	49.64	-18.56	68.2	56.28	39.74	15.33	61.71	100	0	P	H
802.11ac													H
VHT30													H
CH 120		11200	46.72	-27.28	74	56.08	40.18	12.42	61.96	100	0	P	V
5600MHz		16800	48.88	-19.32	68.2	55.52	39.74	15.33	61.71	100	0	P	V
													V
													V
		11410	47.95	-26.05	74	46.53	40.06	12.53	51.17	100	0	P	H
		17115	50.72	-17.48	68.2	46.59	40.73	15.52	52.12	100	0	P	H
802.11ac													H
VHT30													H
CH 141		11410	48.35	-25.65	74	46.93	40.06	12.53	51.17	100	0	P	V
5705MHz		17115	50.85	-17.35	68.2	46.72	40.73	15.52	52.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	53.34	-20.66	74	45.26	32.34	8.29	32.55	193	171	P	H
		5467.12	66.51	-1.69	68.2	58.41	32.36	8.29	32.55	193	171	P	H
		5459.68	48.02	-5.98	54	39.94	32.34	8.29	32.55	193	171	A	H
	*	5495	104.31	-	-	96.19	32.38	8.29	32.55	193	171	P	H
	*	5495	97.54	-	-	89.42	32.38	8.29	32.55	193	171	A	H
		5737.875	48.76	-19.44	68.2	40.54	32.54	8.33	32.65	193	171	P	H
													H
													H
802.11ac													H
VHT40													H
CH 99		5457.52	53.64	-20.36	74	45.56	32.34	8.29	32.55	205	176	P	V
5495MHz		5468.56	66.95	-1.25	68.2	58.85	32.36	8.29	32.55	205	176	P	V
		5459.92	46.71	-7.29	54	38.63	32.34	8.29	32.55	205	176	A	V
	*	5495	104.17	-	-	96.05	32.38	8.29	32.55	205	176	P	V
	*	5495	96.89	-	-	88.77	32.38	8.29	32.55	205	176	A	V
		5726.675	51.83	-16.37	68.2	43.61	32.53	8.33	32.64	205	176	P	V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5442.88	60.72	-13.28	74	52.66	32.32	8.29	32.55	191	174	P	H
		5469.52	60.09	-8.11	68.2	51.99	32.36	8.29	32.55	191	174	P	H
		5457.28	53.46	-0.54	54	45.38	32.34	8.29	32.55	191	174	A	H
	*	5600	116.34	-	-	108.27	32.46	8.2	32.59	191	174	P	H
	*	5600	110.89	-	-	102.82	32.46	8.2	32.59	191	174	A	H
		5727.9	59.65	-8.55	68.2	51.43	32.53	8.33	32.64	191	174	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 120		5421.52	57.56	-16.44	74	49.52	32.3	8.29	32.55	214	176	P	V
5600MHz		5460.16	55.78	-12.42	68.2	47.7	32.34	8.29	32.55	214	176	P	V
		5443.12	49.55	-4.45	54	41.49	32.32	8.29	32.55	214	176	A	V
	*	5600	115.75	-	-	107.68	32.46	8.2	32.59	214	176	P	V
	*	5600	109.91	-	-	101.84	32.46	8.2	32.59	214	176	A	V
		5759.225	59.56	-8.64	68.2	51.33	32.56	8.33	32.66	214	176	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5450.56	48.65	-25.35	74	40.57	32.34	8.29	32.55	201	178	P	H
		5469.52	47.09	-21.11	68.2	38.99	32.36	8.29	32.55	201	178	P	H
		5456.32	40.8	-13.2	54	32.72	32.34	8.29	32.55	201	178	A	H
	*	5700	101.45	-	-	93.27	32.51	8.3	32.63	201	178	P	H
	*	5700	95.24	-	-	87.06	32.51	8.3	32.63	201	178	A	H
		5725.975	67.66	-0.54	68.2	59.44	32.53	8.33	32.64	201	178	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 140		5457.28	48.48	-25.52	74	40.4	32.34	8.29	32.55	201	178	P	V
5700MHz		5468.32	47.41	-20.79	68.2	39.31	32.36	8.29	32.55	201	178	P	V
		5424.64	41.01	-12.99	54	32.97	32.3	8.29	32.55	201	178	A	V
	*	5700	101.14	-	-	92.96	32.51	8.3	32.63	201	178	P	V
	*	5700	95.01	-	-	86.83	32.51	8.3	32.63	201	178	A	V
		5726.15	66.83	-1.37	68.2	58.61	32.53	8.33	32.64	201	178	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10990	48.48	-25.52	74	46.9	40.3	12.28	51	100	0	P	H
		16485	48.55	-19.65	68.2	46.57	38.75	15.23	52	100	0	P	H
802.11ac													H
VHT40													H
CH 99		10990	48.38	-25.62	74	46.8	40.3	12.28	51	100	0	P	V
5495MHz		16485	48.16	-20.04	68.2	46.18	38.75	15.23	52	100	0	P	V
													V
													V
		11200	47.5	-26.5	74	45.98	40.18	12.42	51.08	100	0	P	H
		16800	49.57	-18.63	68.2	46.55	39.74	15.33	52.05	100	0	P	H
802.11ac													H
VHT40													H
CH 120		11200	48.54	-25.46	74	47.02	40.18	12.42	51.08	100	0	P	V
5600MHz		16800	48.92	-19.28	68.2	45.9	39.74	15.33	52.05	100	0	P	V
													V
													V
		11400	48.49	-25.51	74	47.05	40.06	12.53	51.15	100	0	P	H
		17100	51.06	-17.14	68.2	47.02	40.68	15.48	52.12	100	0	P	H
802.11ac													H
VHT40													H
CH 140		11400	48.55	-25.45	74	47.11	40.06	12.53	51.15	100	0	P	V
5700MHz		17100	51.56	-16.64	68.2	47.52	40.68	15.48	52.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT50 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458.72	55.74	-18.26	74	47.66	32.34	8.29	32.55	209	170	P	H
		5469.52	67.88	-0.32	68.2	59.78	32.36	8.29	32.55	209	170	P	H
		5459.92	50.43	-3.57	54	42.35	32.34	8.29	32.55	209	170	A	H
	*	5500	104.34	-	-	96.2	32.4	8.29	32.55	209	170	P	H
	*	5500	97.8	-	-	89.66	32.4	8.29	32.55	209	170	A	H
		5737.525	48.45	-19.75	68.2	40.23	32.54	8.33	32.65	209	170	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 100		5451.28	58.23	-15.77	74	50.15	32.34	8.29	32.55	210	175	P	V
5500MHz		5470	67.81	-0.39	68.2	59.71	32.36	8.29	32.55	210	175	P	V
		5459.92	50.54	-3.46	54	42.46	32.34	8.29	32.55	210	175	A	V
	*	5500	103.58	-	-	95.44	32.4	8.29	32.55	210	175	P	V
	*	5500	96.75	-	-	88.61	32.4	8.29	32.55	210	175	A	V
		5758.875	51.87	-16.33	68.2	43.64	32.56	8.33	32.66	210	175	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5452.24	61.66	-12.34	74	53.58	32.34	8.29	32.55	205	169	P	H
		5466.4	60.75	-7.45	68.2	52.65	32.36	8.29	32.55	205	169	P	H
		5453.92	53.6	-0.4	54	45.52	32.34	8.29	32.55	205	169	A	H
	*	5600	116.09	-	-	108.02	32.46	8.2	32.59	205	169	P	H
	*	5600	110.17	-	-	102.1	32.46	8.2	32.59	205	169	A	H
		5761.5	59.37	-8.83	68.2	51.12	32.56	8.35	32.66	205	169	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 120		5449.36	56.42	-17.58	74	48.34	32.34	8.29	32.55	212	179	P	V
5600MHz		5460.64	56.45	-11.75	68.2	48.37	32.34	8.29	32.55	212	179	P	V
		5456.32	49.26	-4.74	54	41.18	32.34	8.29	32.55	212	179	A	V
	*	5600	115.43	-	-	107.36	32.46	8.2	32.59	212	179	P	V
	*	5600	109.17	-	-	101.1	32.46	8.2	32.59	212	179	A	V
		5747.85	57.62	-10.58	68.2	49.4	32.54	8.33	32.65	212	179	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5428.48	47.69	-26.31	74	39.65	32.3	8.29	32.55	198	175	P	H
		5467.6	49.3	-18.9	68.2	41.2	32.36	8.29	32.55	198	175	P	H
		5446.72	40.59	-13.41	54	32.51	32.34	8.29	32.55	198	175	A	H
	*	5695	100.19	-	-	92.01	32.51	8.3	32.63	198	175	P	H
	*	5695	94.72	-	-	86.54	32.51	8.3	32.63	198	175	A	H
		5725.45	67.77	-0.43	68.2	59.55	32.53	8.33	32.64	198	175	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 139		5426.56	48.23	-25.77	74	40.19	32.3	8.29	32.55	222	177	P	V
5695MHz		5460	46.72	-21.48	68.2	38.64	32.34	8.29	32.55	222	177	P	V
		5420.8	40.91	-13.09	54	32.87	32.3	8.29	32.55	222	177	A	V
	*	5695	99.8	-	-	91.62	32.51	8.3	32.63	222	177	P	V
	*	5695	93.36	-	-	85.18	32.51	8.3	32.63	222	177	A	V
		5725.275	65.45	-2.75	68.2	57.23	32.53	8.33	32.64	222	177	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT50 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	47.8	-26.2	74	46.2	40.3	12.3	51	100	0	P	H
		16500	48.54	-19.66	68.2	46.51	38.8	15.23	52	100	0	P	H
802.11ac													H
VHT50													H
CH 100		11000	48.37	-25.63	74	46.77	40.3	12.3	51	100	0	P	V
5500MHz		16500	48.69	-19.51	68.2	46.66	38.8	15.23	52	100	0	P	V
													V
													V
		11200	48.61	-25.39	74	47.09	40.18	12.42	51.08	100	0	P	H
		16800	50.17	-18.03	68.2	47.15	39.74	15.33	52.05	100	0	P	H
802.11ac													H
VHT50													H
CH 120		11200	48.96	-25.04	74	47.44	40.18	12.42	51.08	100	0	P	V
5600MHz		16800	50.28	-17.92	68.2	47.26	39.74	15.33	52.05	100	0	P	V
													V
													V
		11390	48.04	-25.96	74	46.61	40.07	12.51	51.15	100	0	P	H
		17085	51.3	-16.9	68.2	47.31	40.63	15.48	52.12	100	0	P	H
802.11ac													H
VHT50													H
CH 139		11390	47.64	-26.36	74	46.21	40.07	12.51	51.15	100	0	P	V
5695MHz		17085	51.37	-16.83	68.2	47.38	40.63	15.48	52.12	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT60 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	53.59	-20.41	74	45.51	32.34	8.29	32.55	196	179	P	H
		5469.76	67.43	-0.77	68.2	59.33	32.36	8.29	32.55	196	179	P	H
		5459.92	48.42	-5.58	54	40.34	32.34	8.29	32.55	196	179	A	H
	*	5505	99.72	-	-	91.59	32.4	8.29	32.56	196	179	P	H
	*	5505	93.52	-	-	85.39	32.4	8.29	32.56	196	179	A	H
		5731.575	49	-19.2	68.2	40.79	32.53	8.33	32.65	196	179	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 101		5458.48	54.99	-19.01	74	46.91	32.34	8.29	32.55	217	174	P	V
5505MHz		5468.8	66.75	-1.45	68.2	58.65	32.36	8.29	32.55	217	174	P	V
		5459.92	50.14	-3.86	54	42.06	32.34	8.29	32.55	217	174	A	V
	*	5505	100.72	-	-	92.59	32.4	8.29	32.56	217	174	P	V
	*	5505	93.72	-	-	85.59	32.4	8.29	32.56	217	174	A	V
		5753.8	49.06	-19.14	68.2	40.82	32.56	8.33	32.65	217	174	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5458.72	59.92	-14.08	74	51.84	32.34	8.29	32.55	187	185	P	H
		5463.28	61.24	-6.96	68.2	53.14	32.36	8.29	32.55	187	185	P	H
		5455.36	53.74	-0.26	54	45.66	32.34	8.29	32.55	187	185	A	H
	*	5600	114.41	-	-	106.34	32.46	8.2	32.59	187	185	P	H
	*	5600	108.57	-	-	100.5	32.46	8.2	32.59	187	185	A	H
		5725.8	60.33	-7.87	68.2	52.11	32.53	8.33	32.64	187	185	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 120		5422.96	56.65	-17.35	74	48.61	32.3	8.29	32.55	222	175	P	V
5600MHz		5463.76	57.78	-10.42	68.2	49.68	32.36	8.29	32.55	222	175	P	V
		5457.76	49.13	-4.87	54	41.05	32.34	8.29	32.55	222	175	A	V
	*	5600	113.94	-	-	105.87	32.46	8.2	32.59	222	175	P	V
	*	5600	108.85	-	-	100.78	32.46	8.2	32.59	222	175	A	V
		5725	60.1	-8.1	68.2	51.88	32.53	8.33	32.64	222	175	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5456.8	47.88	-26.12	74	39.8	32.34	8.29	32.55	197	178	P	H
		5462.56	47.2	-21	68.2	39.1	32.36	8.29	32.55	197	178	P	H
		5440.48	40.45	-13.55	54	32.39	32.32	8.29	32.55	197	178	A	H
	*	5690	99.06	-	-	90.88	32.51	8.3	32.63	197	178	P	H
	*	5690	92.99	-	-	84.81	32.51	8.3	32.63	197	178	A	H
		5725	67.42	-0.78	68.2	59.2	32.53	8.33	32.64	197	178	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 138		5397.76	48.1	-25.9	74	40.08	32.28	8.29	32.55	214	175	P	V
5690MHz		5465.92	48.3	-19.9	68.2	40.2	32.36	8.29	32.55	214	175	P	V
		5429.2	40.82	-13.18	54	32.76	32.32	8.29	32.55	214	175	A	V
	*	5690	99.12	-	-	90.94	32.51	8.3	32.63	214	175	P	V
	*	5690	93.06	-	-	84.88	32.51	8.3	32.63	214	175	A	V
		5725.45	67.86	-0.34	68.2	59.64	32.53	8.33	32.64	214	175	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT60 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11010	47.77	-26.23	74	46.18	40.29	12.3	51	100	0	P	H
		16515	48.72	-19.48	68.2	46.62	38.86	15.24	52	100	0	P	H
802.11ac													H
VHT60													H
CH 101		11010	48.2	-25.8	74	46.61	40.29	12.3	51	100	0	P	V
5505MHz		16515	49.05	-19.15	68.2	46.95	38.86	15.24	52	100	0	P	V
													V
													V
		11200	47.8	-26.2	74	46.28	40.18	12.42	51.08	100	0	P	H
		16800	48.9	-19.3	68.2	45.88	39.74	15.33	52.05	100	0	P	H
802.11ac													H
VHT60													H
CH 120		11200	48.16	-25.84	74	46.64	40.18	12.42	51.08	100	0	P	V
5600MHz		16800	50.33	-17.87	68.2	47.31	39.74	15.33	52.05	100	0	P	V
													V
													V
		11380	47.77	-26.23	74	46.34	40.07	12.51	51.15	100	0	P	H
		17070	50.26	-17.94	68.2	46.36	40.59	15.43	52.12	100	0	P	H
802.11ac													H
VHT60													H
CH 138		11380	47.89	-26.11	74	46.46	40.07	12.51	51.15	100	0	P	V
5690MHz		17070	50.56	-17.64	68.2	46.66	40.59	15.43	52.12	100	0	P	V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5458	58.92	-15.08	74	50.84	32.34	8.29	32.55	195	175	P	H
		5469.04	63.55	-4.65	68.2	55.45	32.36	8.29	32.55	195	175	P	H
		5459.44	53.41	-0.59	54	45.33	32.34	8.29	32.55	195	175	A	H
	*	5515	99.49	-	-	91.35	32.41	8.29	32.56	195	175	P	H
	*	5515	94.29	-	-	86.15	32.41	8.29	32.56	195	175	A	H
		5725.975	48.45	-19.75	68.2	40.23	32.53	8.33	32.64	195	175	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 103		5459.92	61.77	-12.23	74	53.69	32.34	8.29	32.55	213	176	P	V
5515MHz		5468.56	67.1	-1.1	68.2	59	32.36	8.29	32.55	213	176	P	V
		5459.44	53.34	-0.66	54	45.26	32.34	8.29	32.55	213	176	A	V
	*	5515	98.23	-	-	90.09	32.41	8.29	32.56	213	176	P	V
	*	5515	92.74	-	-	84.6	32.41	8.29	32.56	213	176	A	V
		5752.75	49.55	-18.65	68.2	41.31	32.56	8.33	32.65	213	176	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	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)
		5454.88	60.16	-13.84	74	52.08	32.34	8.29	32.55	194	182	P	H
		5469.28	59.17	-9.03	68.2	51.07	32.36	8.29	32.55	194	182	P	H
		5455.36	53.34	-0.66	54	45.26	32.34	8.29	32.55	194	182	A	H
	*	5600	112.97	-	-	104.9	32.46	8.2	32.59	194	182	P	H
	*	5600	107.5	-	-	99.43	32.46	8.2	32.59	194	182	A	H
		5731.4	59.64	-8.56	68.2	51.43	32.53	8.33	32.65	194	182	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 120		5459.92	56.46	-17.54	74	48.38	32.34	8.29	32.55	228	178	P	V
5600MHz		5467.36	58.19	-10.01	68.2	50.09	32.36	8.29	32.55	228	178	P	V
		5449.84	50.87	-3.13	54	42.79	32.34	8.29	32.55	228	178	A	V
	*	5600	112.76	-	-	104.69	32.46	8.2	32.59	228	178	P	V
	*	5600	107.88	-	-	99.81	32.46	8.2	32.59	228	178	A	V
		5754.15	58.74	-9.46	68.2	50.5	32.56	8.33	32.65	228	178	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

WIFI Ant. 1+2	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)
		5415.28	48.74	-25.26	74	40.7	32.3	8.29	32.55	193	180	P	H
		5460.4	47.12	-21.08	68.2	39.04	32.34	8.29	32.55	193	180	P	H
		5455.6	41.54	-12.46	54	33.46	32.34	8.29	32.55	193	180	A	H
	*	5680	99.46	-	-	91.32	32.5	8.27	32.63	193	180	P	H
	*	5680	93.6	-	-	85.46	32.5	8.27	32.63	193	180	A	H
		5725.625	66.34	-1.86	68.2	58.12	32.53	8.33	32.64	193	180	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 137		5447.92	47.91	-26.09	74	39.83	32.34	8.29	32.55	202	181	P	V
5685MHz		5463.76	46.24	-21.96	68.2	38.14	32.36	8.29	32.55	202	181	P	V
		5422.72	41.97	-12.03	54	33.93	32.3	8.29	32.55	202	181	A	V
	*	5680	98.86	-	-	90.72	32.5	8.27	32.63	202	181	P	V
	*	5680	93.44	-	-	85.3	32.5	8.27	32.63	202	181	A	V
		5725.1	67.63	-0.57	68.2	59.41	32.53	8.33	32.64	202	181	P	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11030	48.08	-25.92	74	46.52	40.28	12.3	51.02	100	0	P	H
		16545	49.65	-18.55	68.2	47.51	38.91	15.24	52.01	100	0	P	H
802.11ac													H
VHT80													H
CH 103		11030	47.65	-26.35	74	46.09	40.28	12.3	51.02	100	0	P	V
5515MHz		16545	48.76	-19.44	68.2	46.62	38.91	15.24	52.01	100	0	P	V
													V
													V
		11200	48.98	-25.02	74	47.46	40.18	12.42	51.08	100	0	P	H
		16800	49.77	-18.43	68.2	46.75	39.74	15.33	52.05	100	0	P	H
802.11ac													H
VHT80													H
CH 120		11200	48.67	-25.33	74	47.15	40.18	12.42	51.08	100	0	P	V
5600MHz		16800	50.43	-17.77	68.2	47.41	39.74	15.33	52.05	100	0	P	V
													V
													V
		11370	48.44	-25.56	74	47	40.08	12.51	51.15	100	0	P	H
		17055	49.49	-18.71	68.2	45.63	40.54	15.43	52.11	100	0	P	H
802.11ac													H
VHT80													H
CH 137		11370	48.43	-25.57	74	46.99	40.08	12.51	51.15	100	0	P	V
5685MHz		17055	49.45	-18.75	68.2	45.59	40.54	15.43	52.11	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

5GHz WIFI 802.11ac VHT30 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		38.37	34.03	-5.97	40	45.07	21.06	0.65	32.75	-	-	P	H
		75.09	34.99	-5.01	40	53.63	13.19	0.93	32.76	100	0	P	H
		95.88	37.37	-6.13	43.5	53.12	15.88	1.14	32.77	-	-	P	H
		374.9	34	-12	46	42.81	21.81	2.13	32.75	-	-	P	H
		624.8	38.25	-7.75	46	42.88	25.75	2.62	33	-	-	P	H
		874.7	36.49	-9.51	46	37.07	28.7	3.16	32.44	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT30		39.99	35.82	-4.18	40	47.42	20.5	0.65	32.75	100	0	P	V
LF		75.09	32.59	-7.41	40	51.23	13.19	0.93	32.76	-	-	P	V
		152.58	37.17	-6.33	43.5	51.04	17.56	1.33	32.76	-	-	P	V
		374.9	34.09	-11.91	46	42.9	21.81	2.13	32.75	-	-	P	V
		624.8	35.58	-10.42	46	40.21	25.75	2.62	33	-	-	P	V
		875.4	36.25	-9.75	46	36.83	28.7	3.16	32.44	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. 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

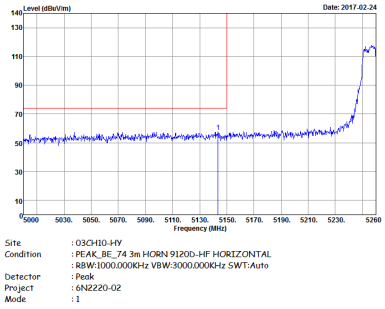
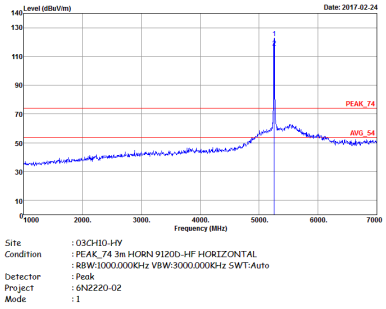
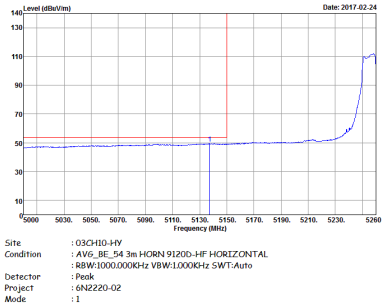
Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	**Temperature :**	22~24°C
		Relative Humidity :	46~48%

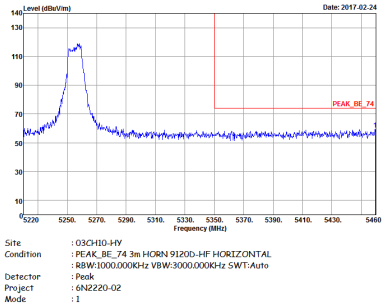
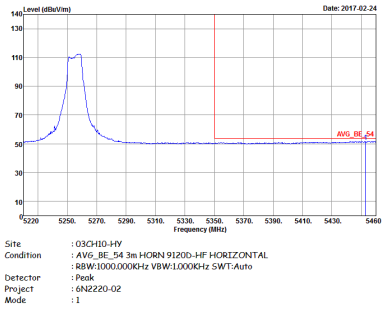
Note symbol

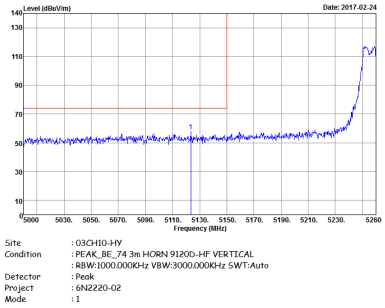
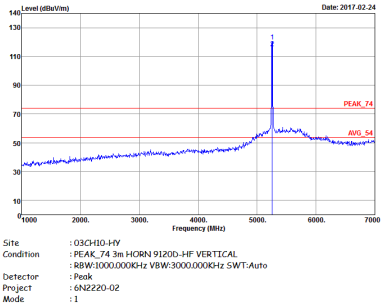
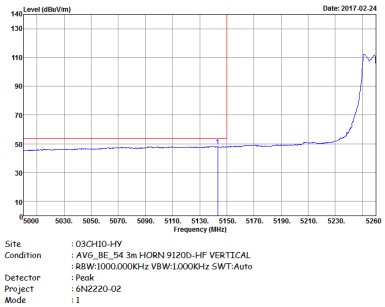
-L	**Low channel location**
-R	**High channel location**

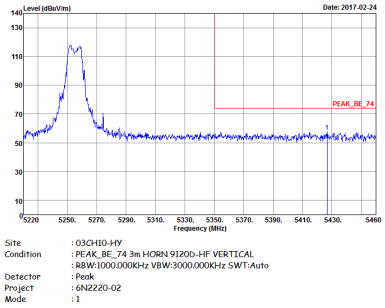
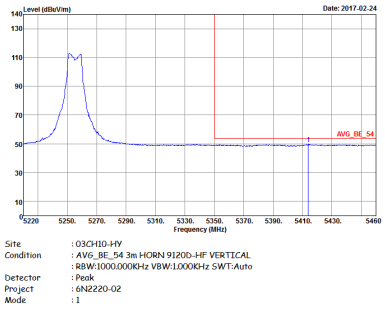
Band 2 - 5250~5350MHz

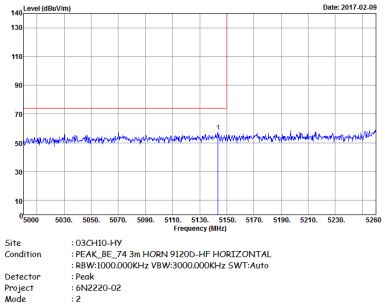
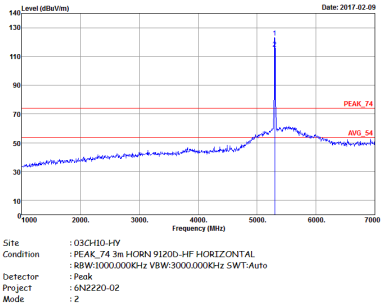
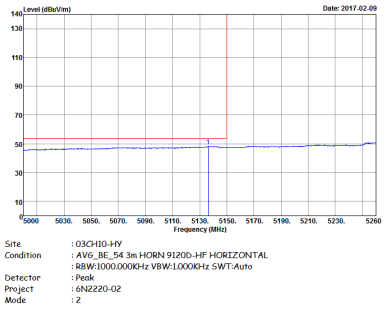
WIFI 802.11ac VHT10 (Band Edge @ 3m)

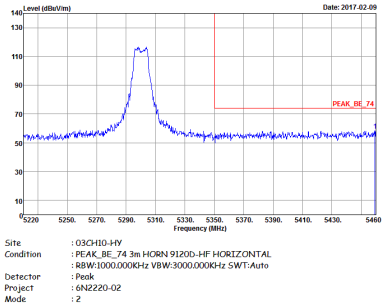
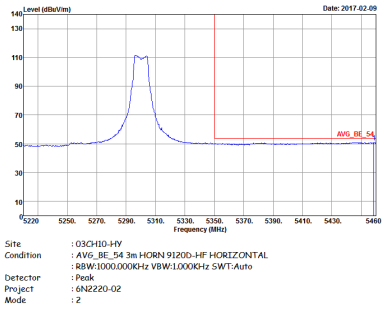
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

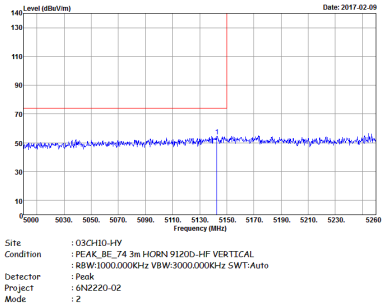
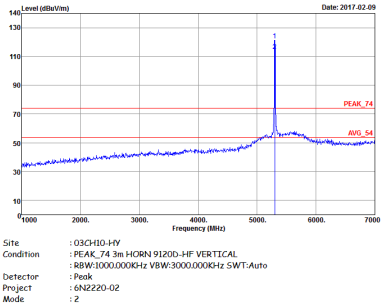
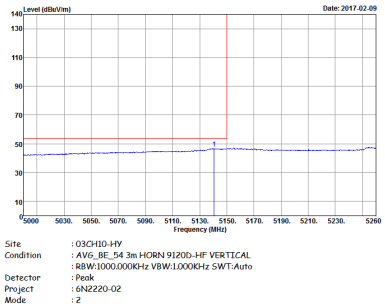
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

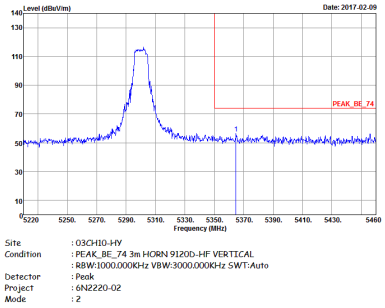
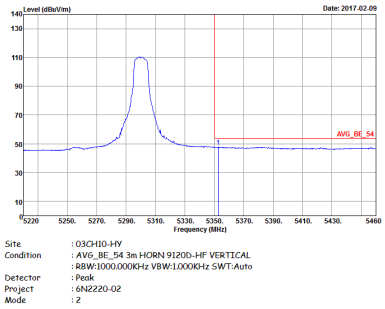
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

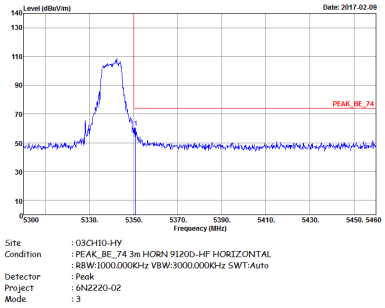
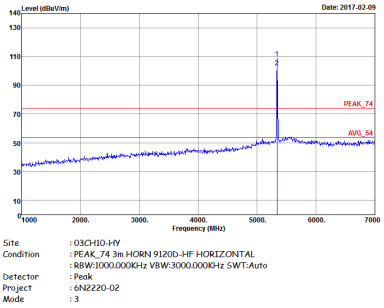
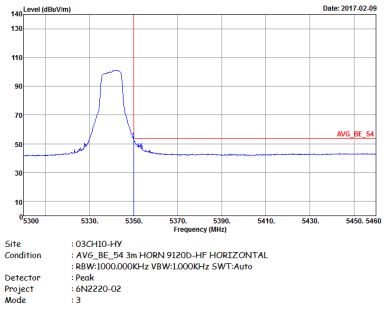
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

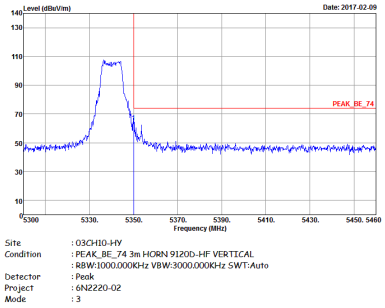
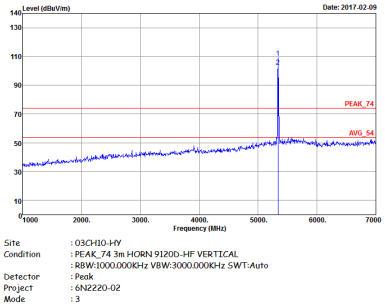
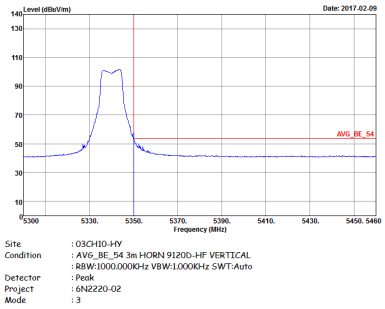
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

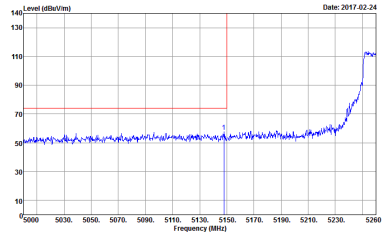
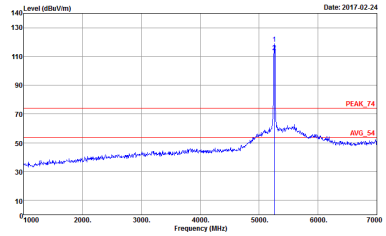
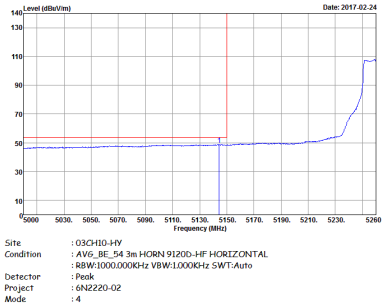
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

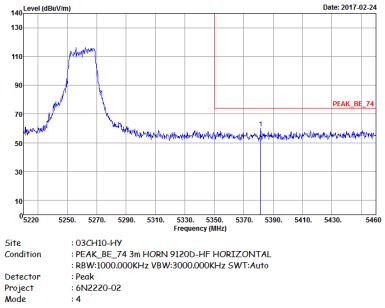
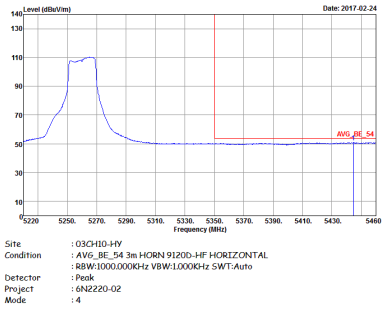
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

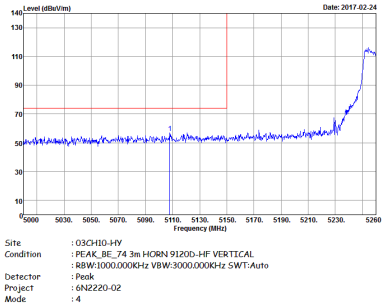
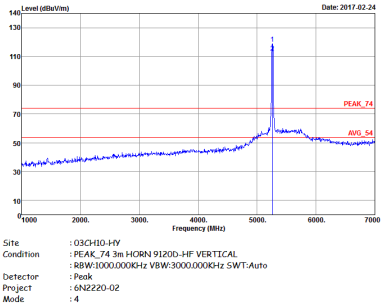
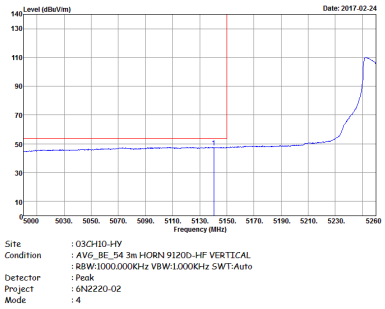
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

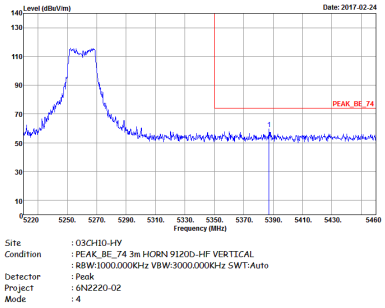
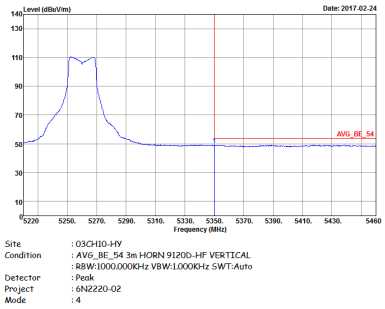
Band 2 5250~5350MHz

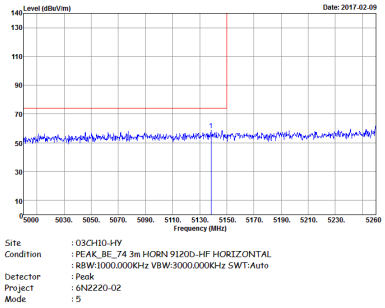
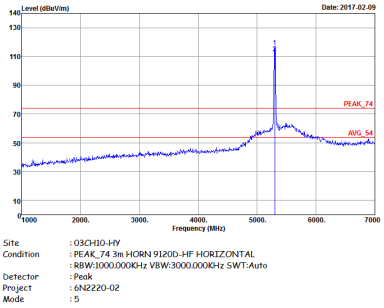
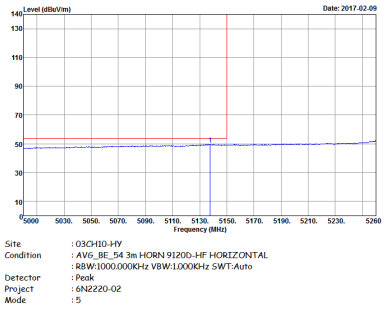
WIFI 802.11ac VHT20 (Band Edge @ 3m)

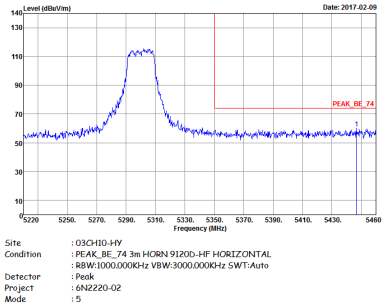
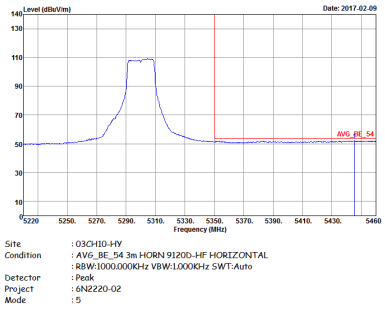
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

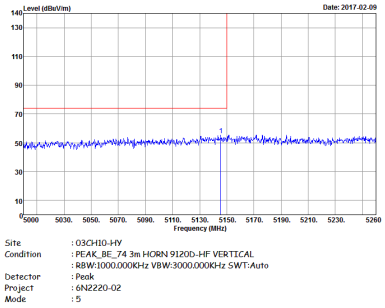
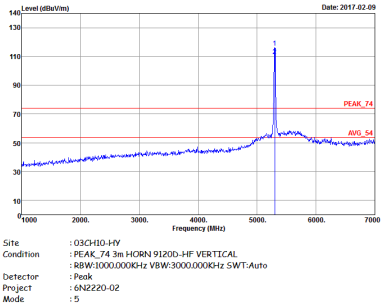
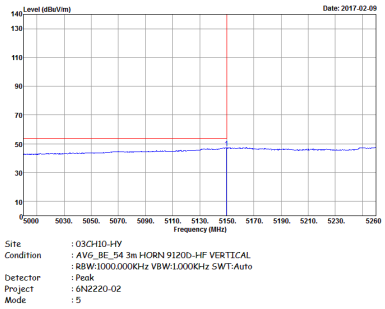
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

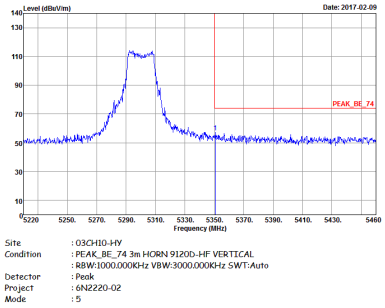
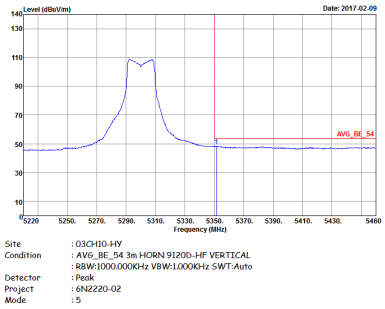
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

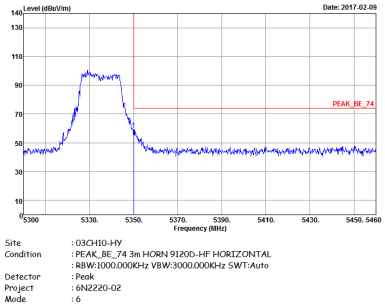
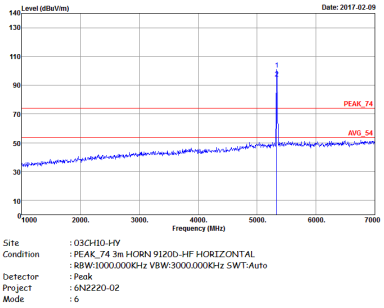
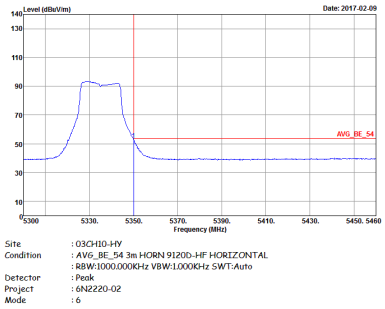
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

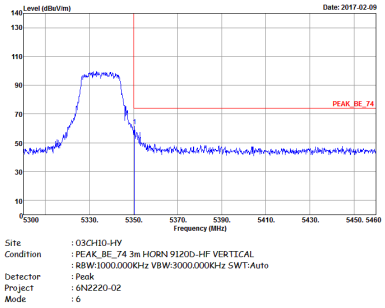
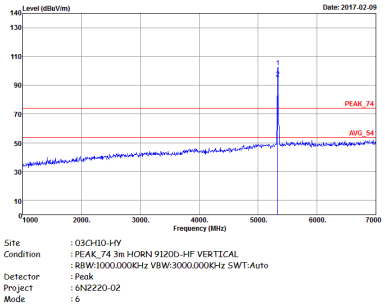
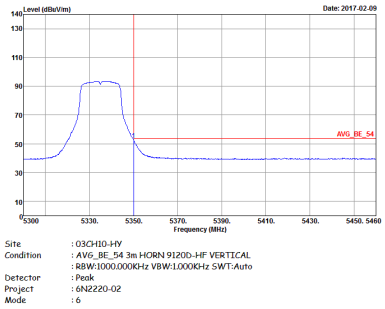
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

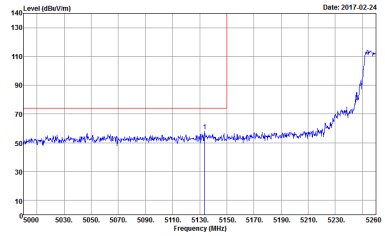
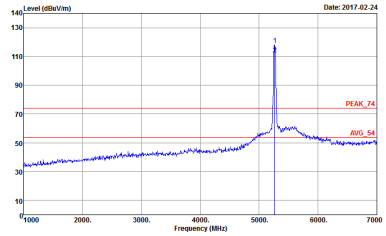
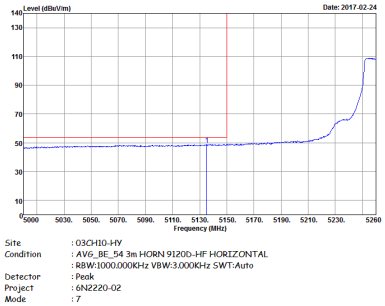
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

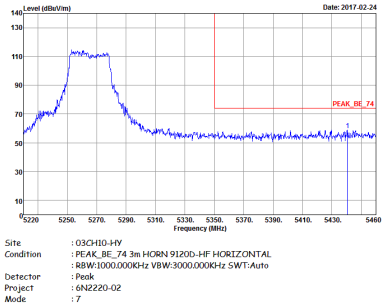
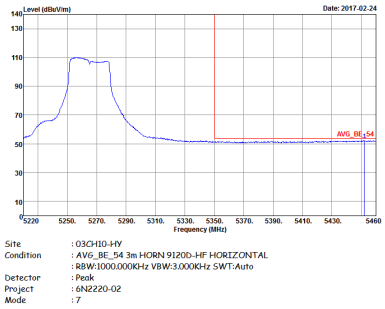
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

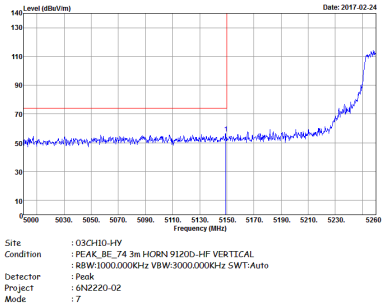
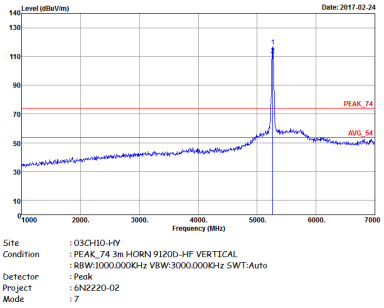
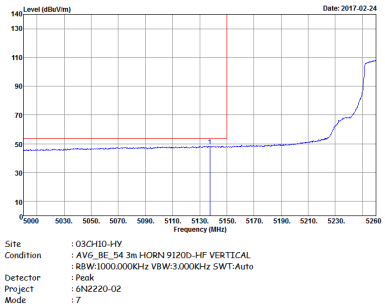
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

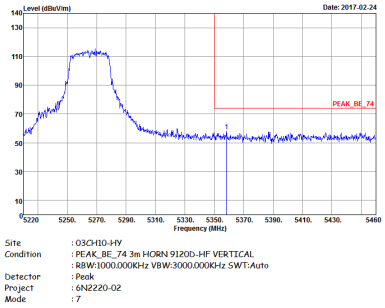
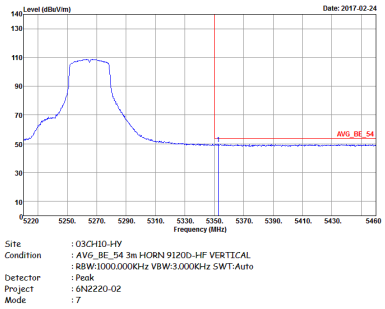
Band 2 5250~5350MHz

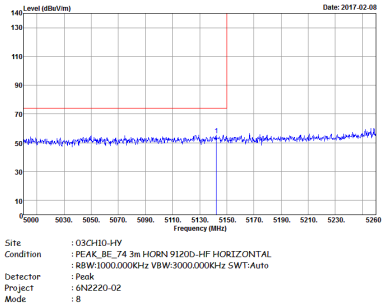
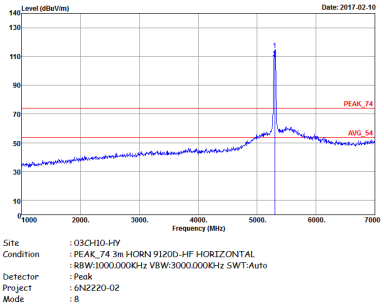
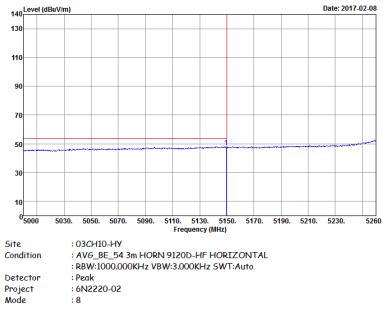
WIFI 802.11ac VHT30 (Band Edge @ 3m)

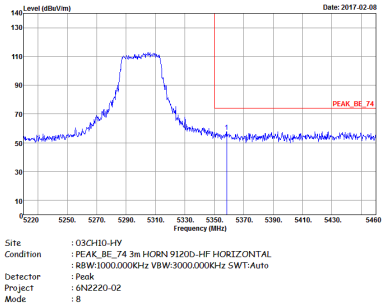
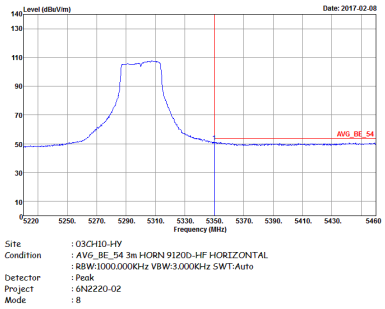
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

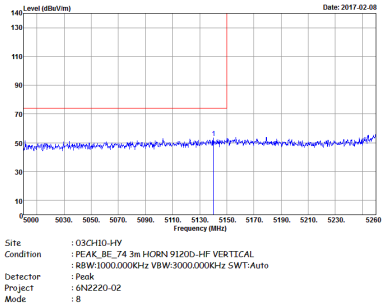
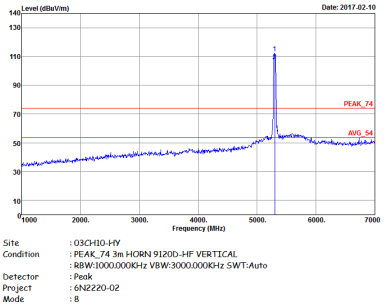
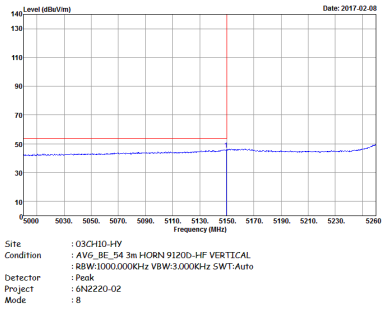
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

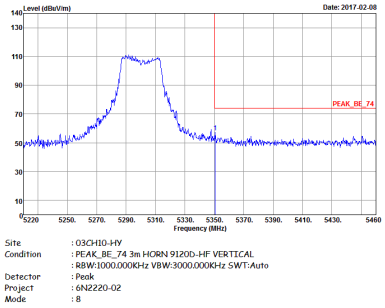
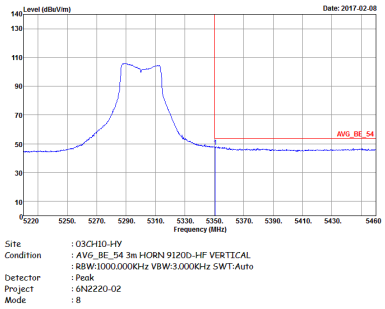
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

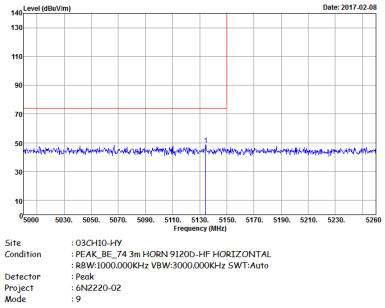
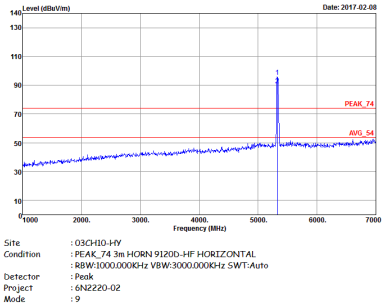
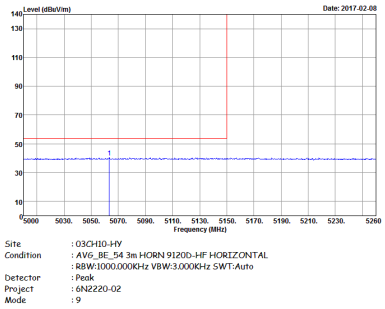
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

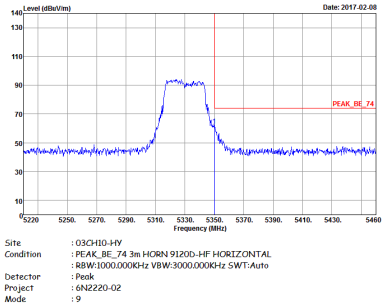
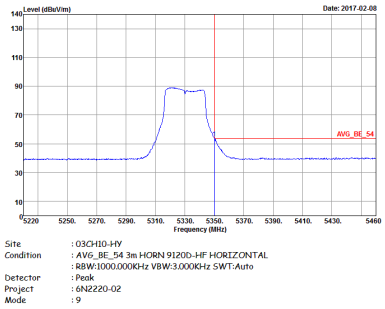
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

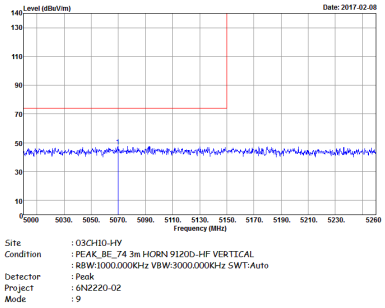
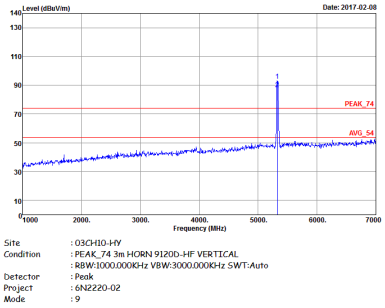
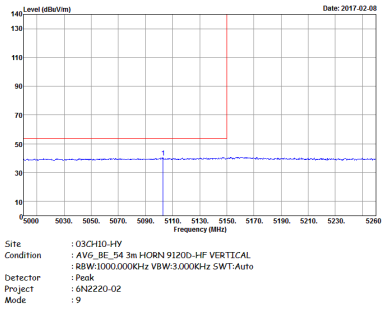
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

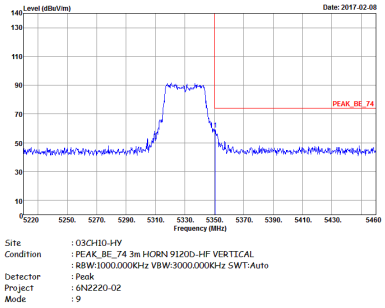
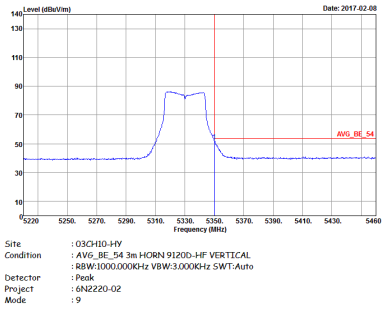
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

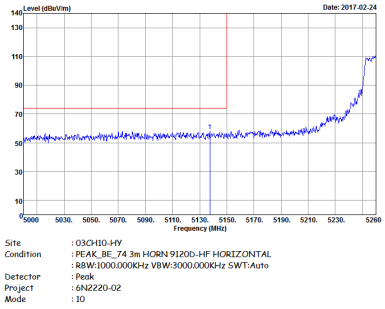
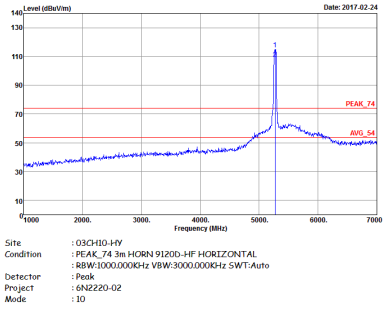
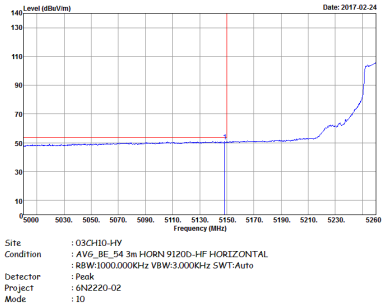
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

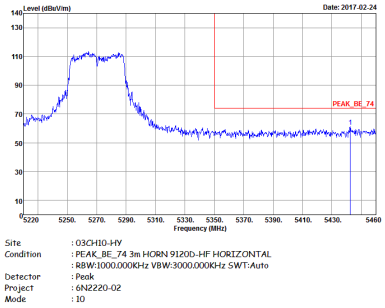
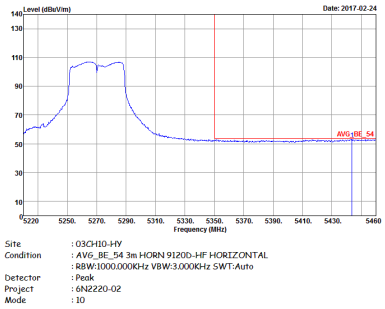
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

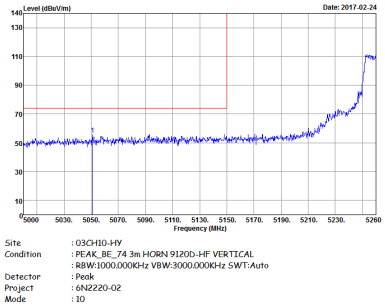
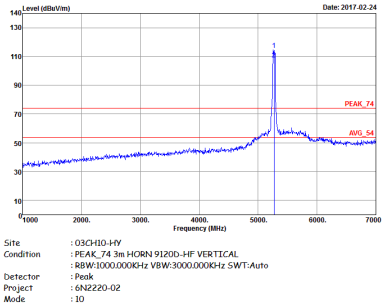
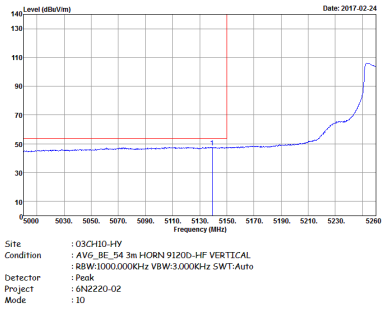
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

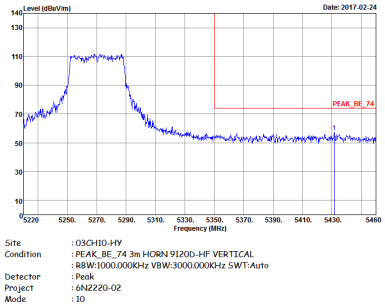
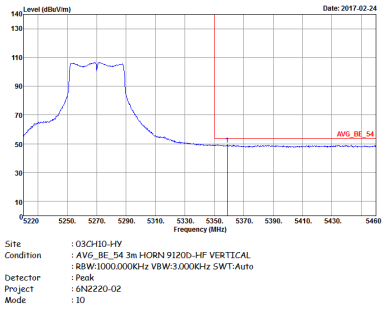
Band 2 5250~5350MHz

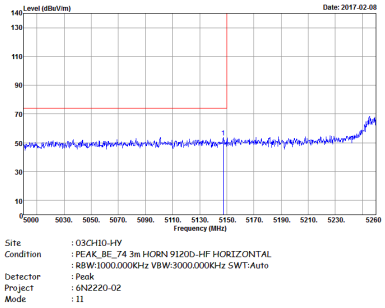
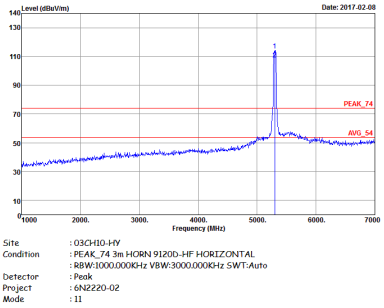
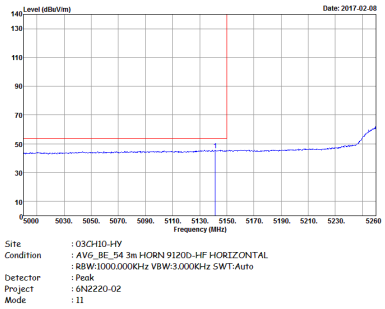
WIFI 802.11ac VHT40 (Band Edge @ 3m)

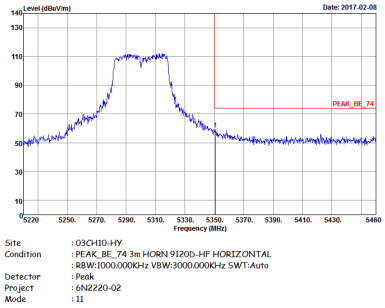
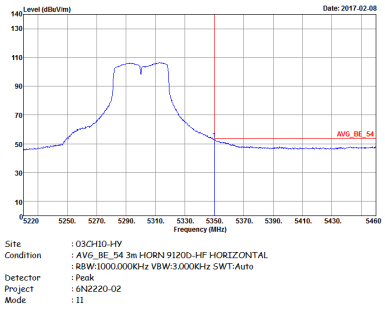
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

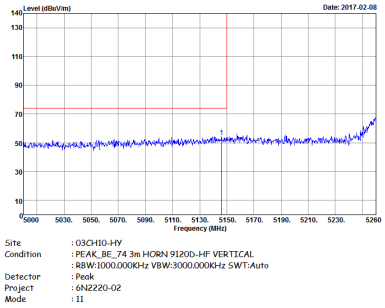
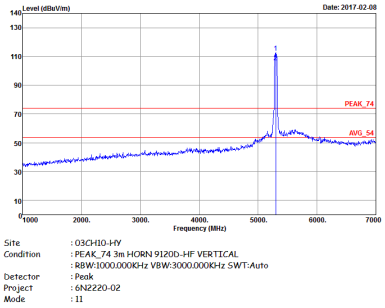
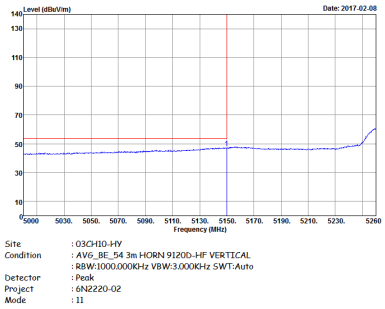
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

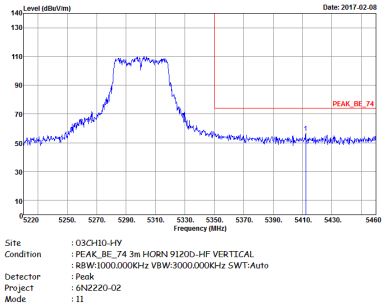
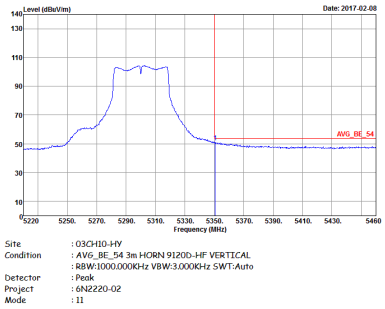
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

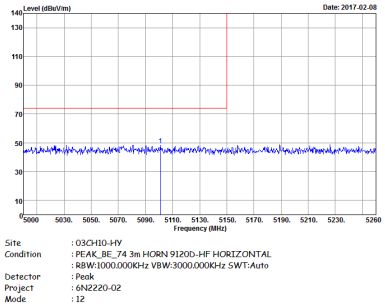
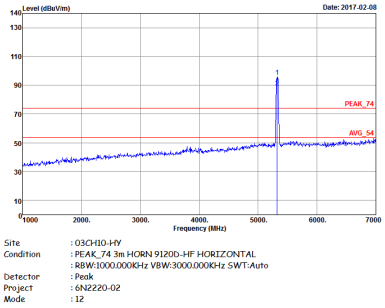
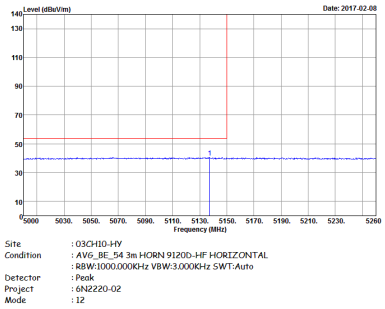
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

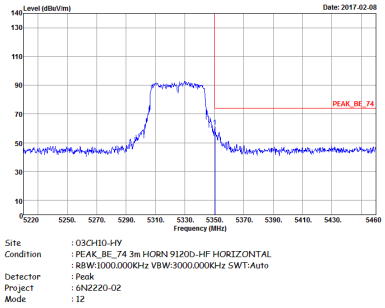
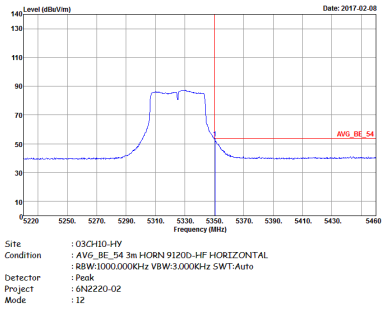
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

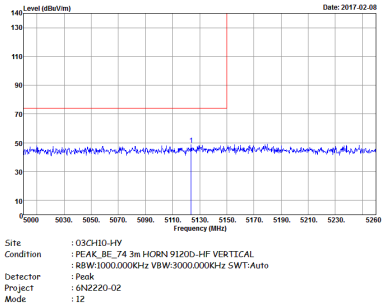
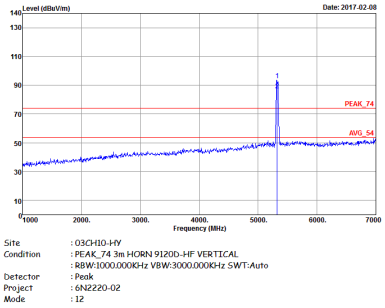
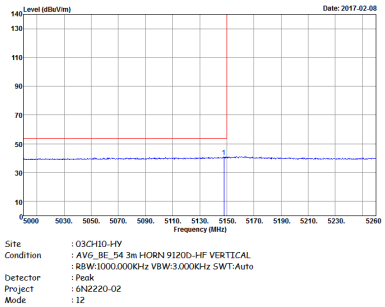
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

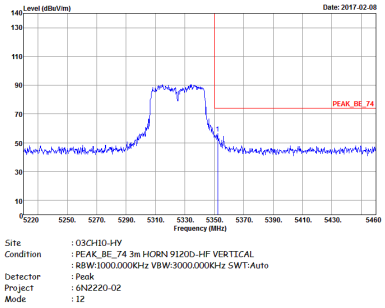
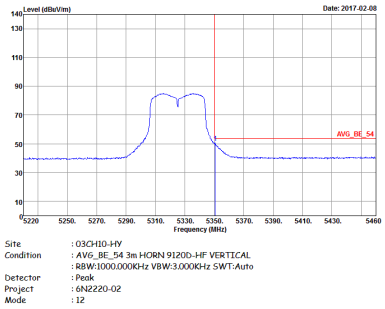
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

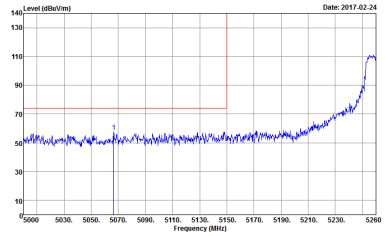
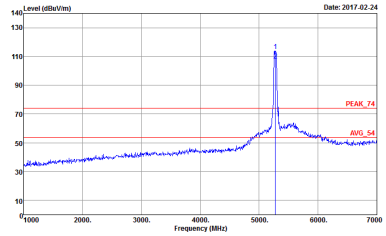
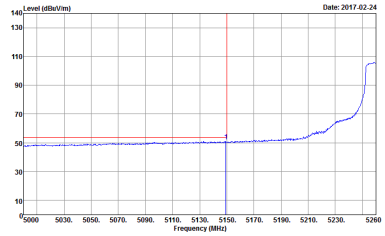
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

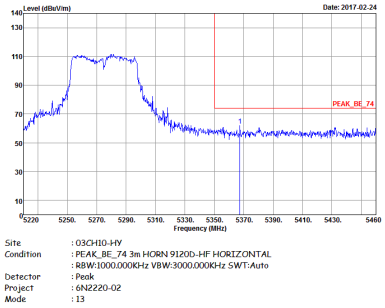
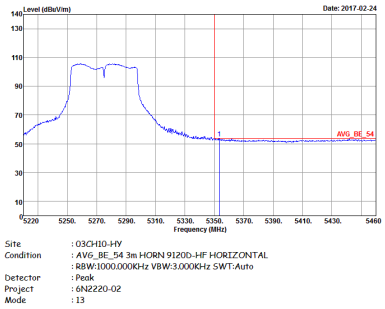
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

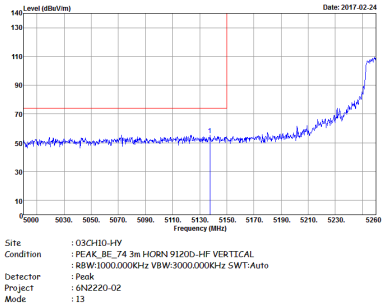
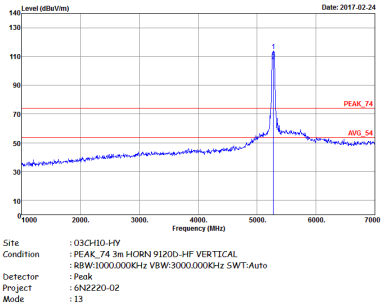
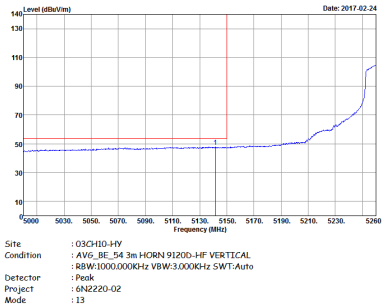
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

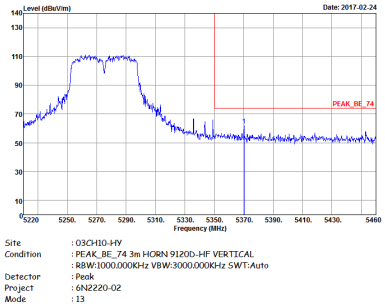
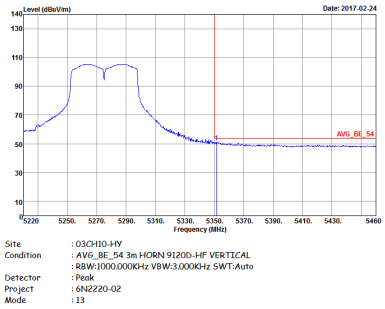
Band 2 5250~5350MHz

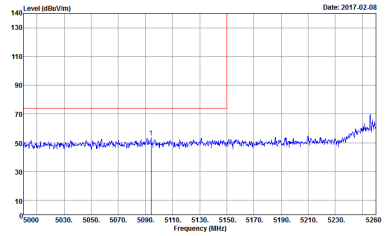
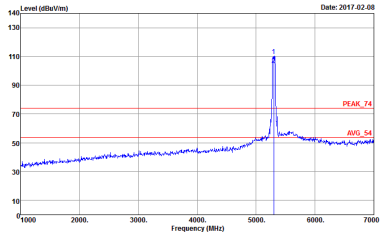
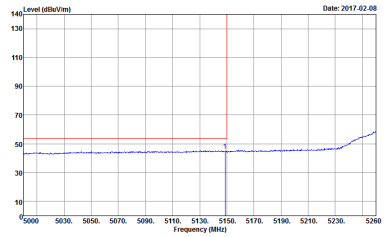
WIFI 802.11ac VHT50 (Band Edge @ 3m)

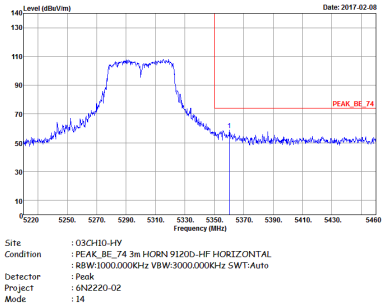
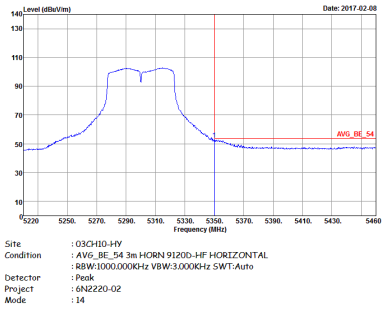
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

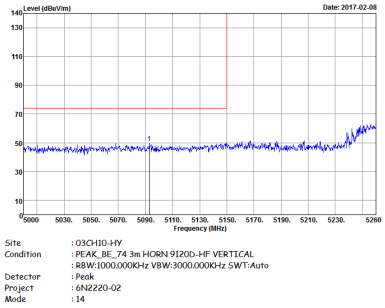
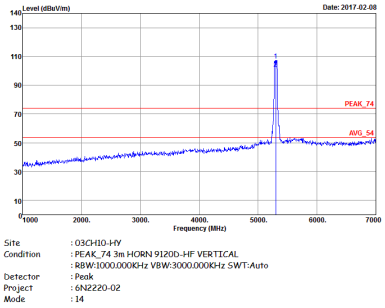
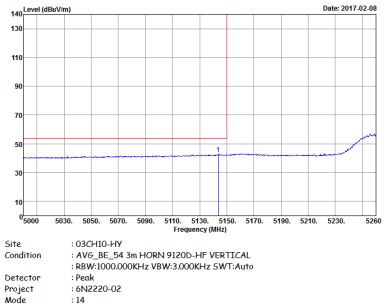
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

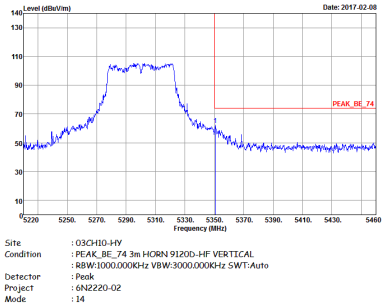
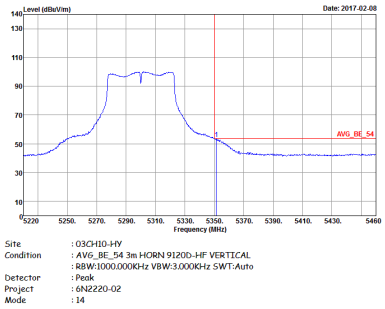
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

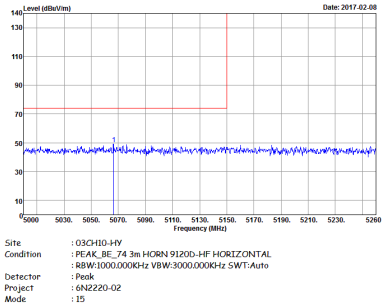
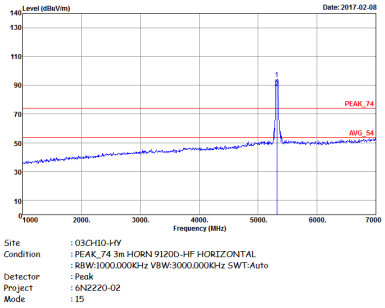
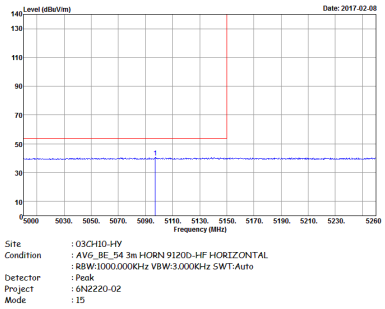
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

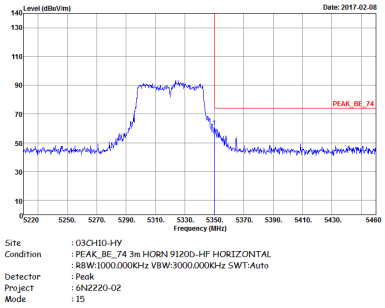
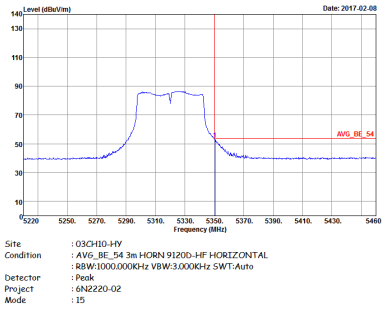
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2220-02 Mode : 14	 Site : 03CH10-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2220-02 Mode : 14
Avg.	 Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2220-02 Mode : 14	Left blank

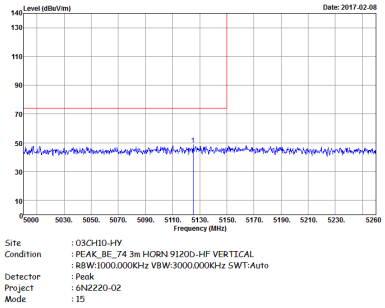
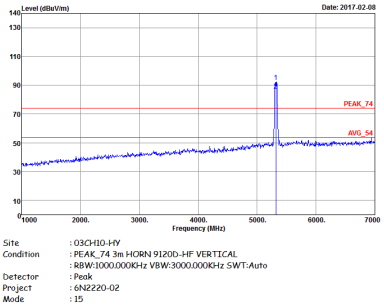
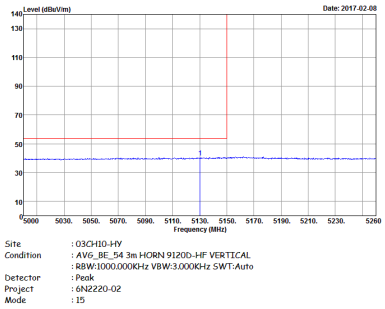
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

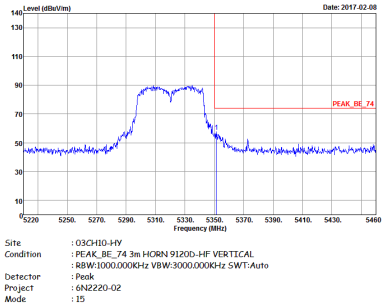
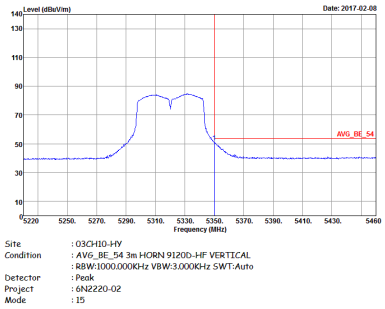
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

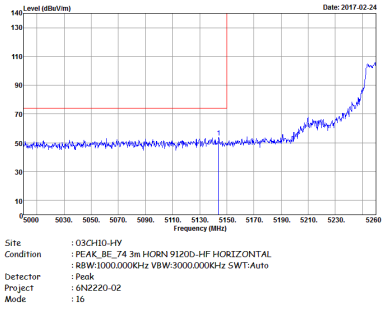
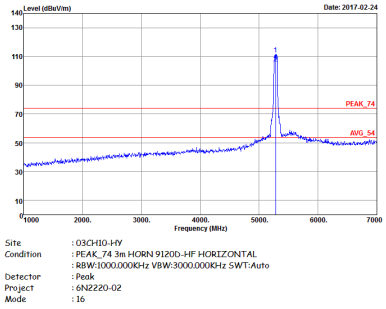
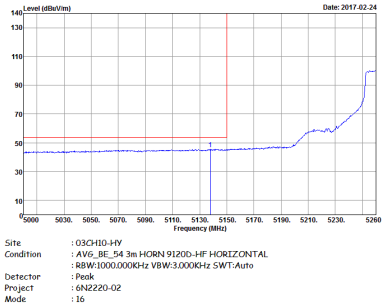
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

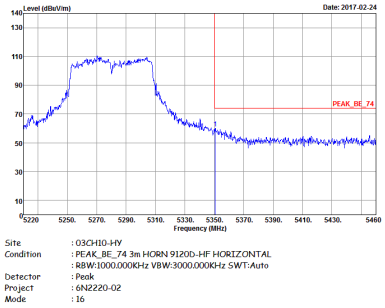
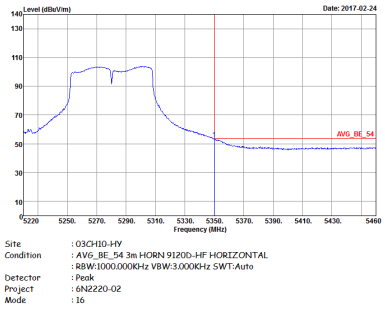
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

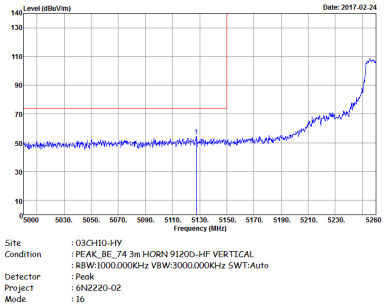
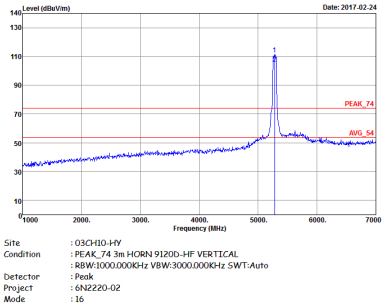
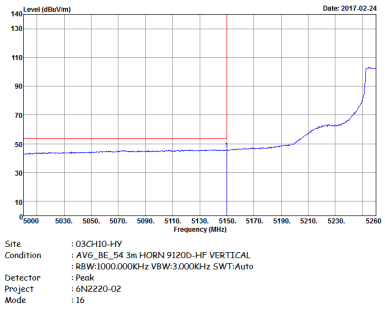
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

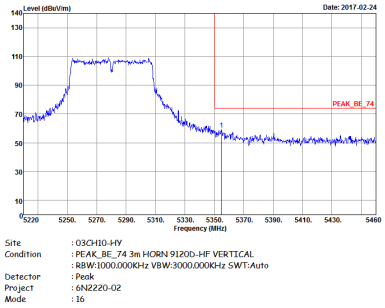
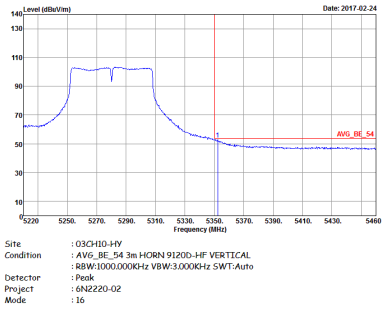
Band 2 5250~5350MHz

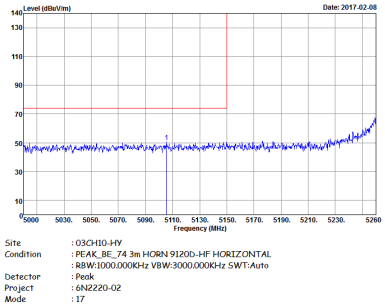
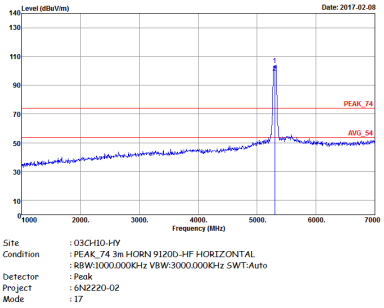
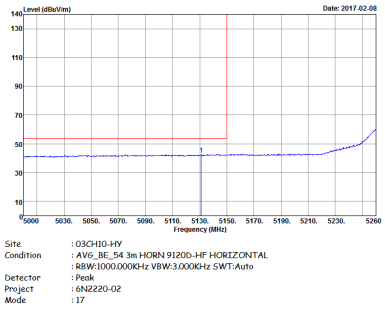
WIFI 802.11ac VHT60 (Band Edge @ 3m)

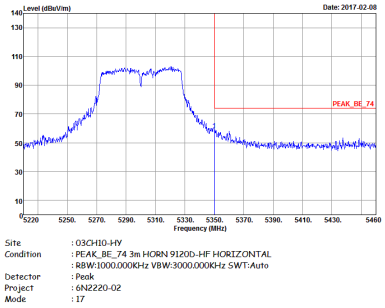
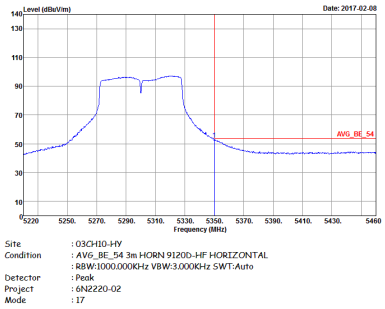
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

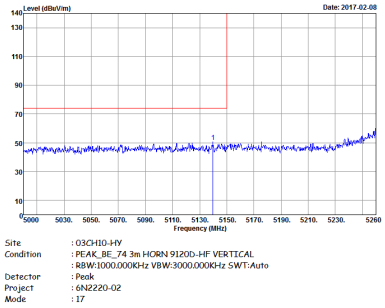
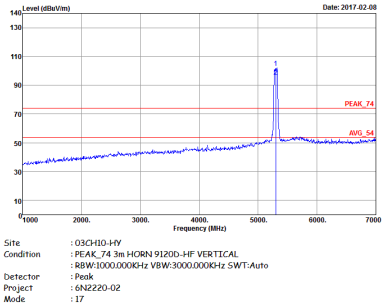
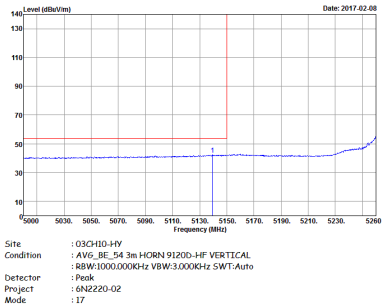
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

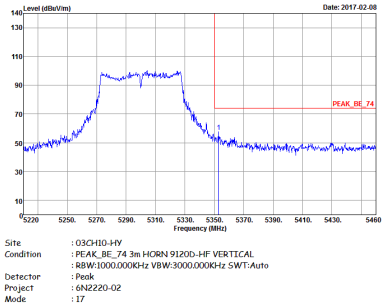
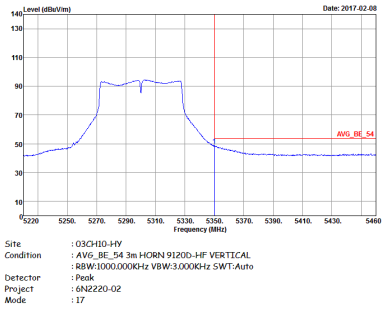
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

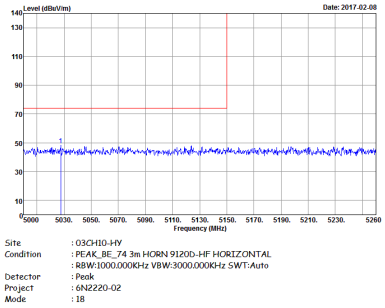
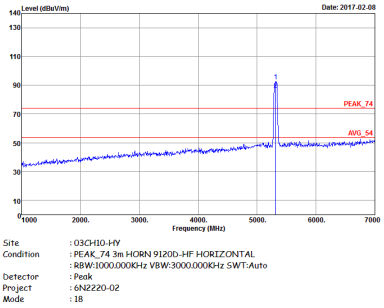
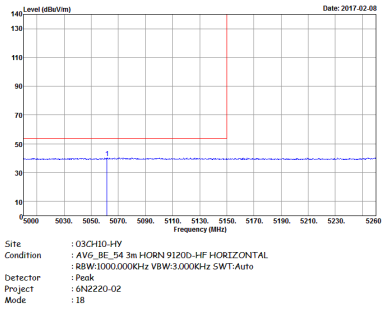
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

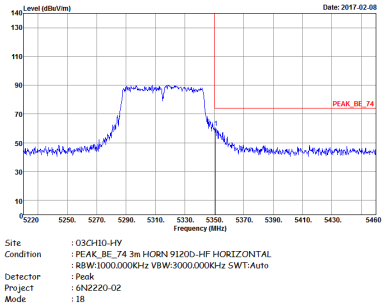
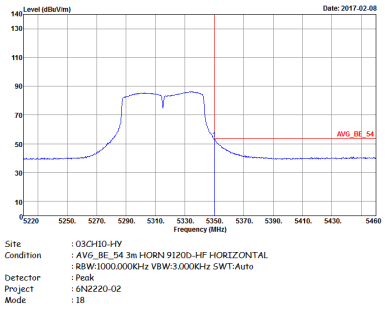
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

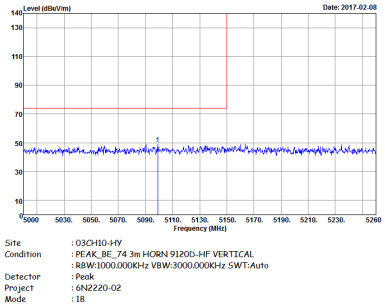
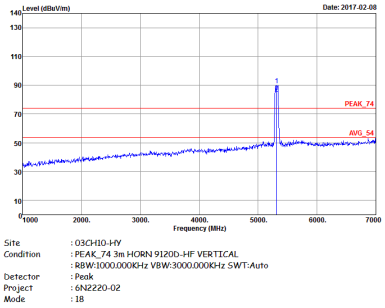
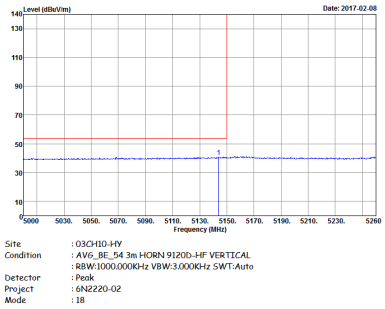
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

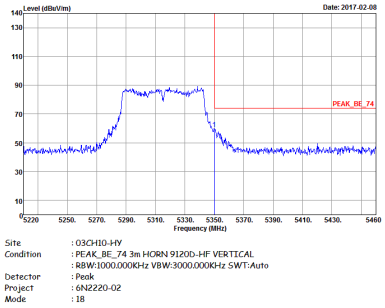
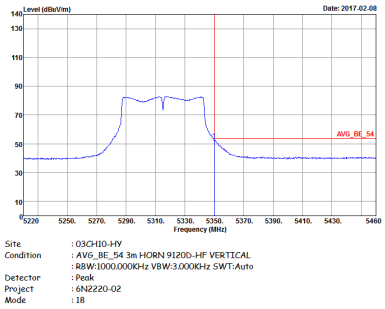
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

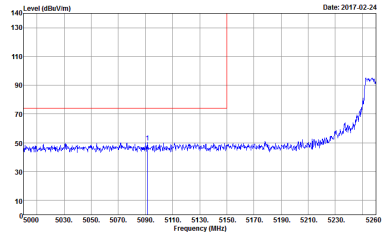
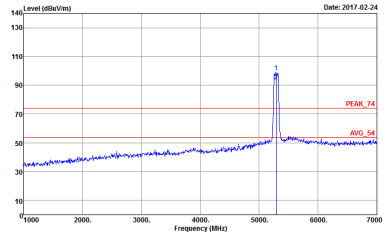
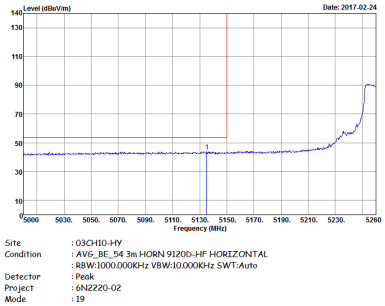
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

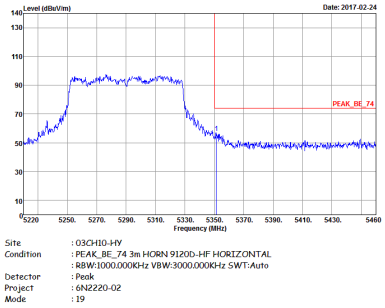
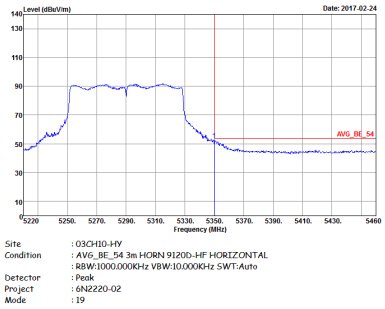
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

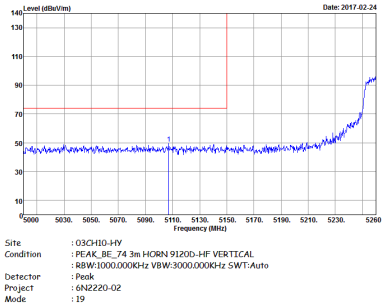
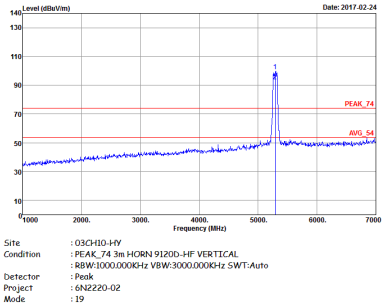
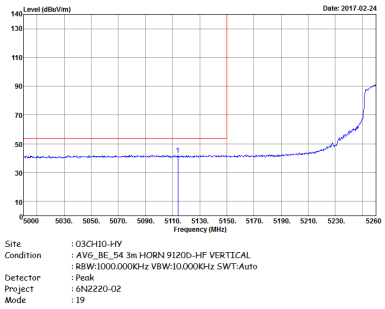
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

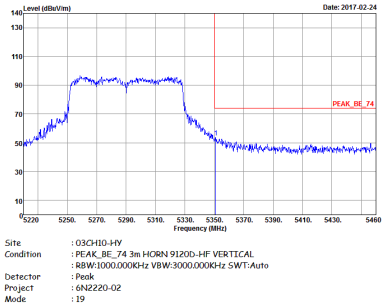
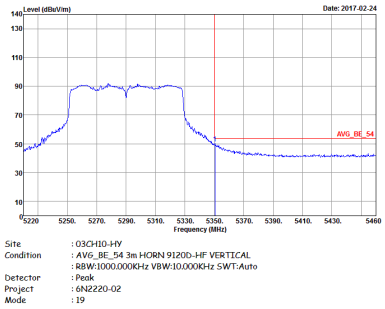
Band 2 5250~5350MHz

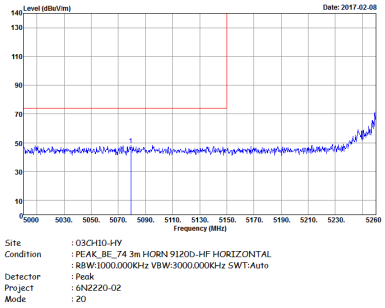
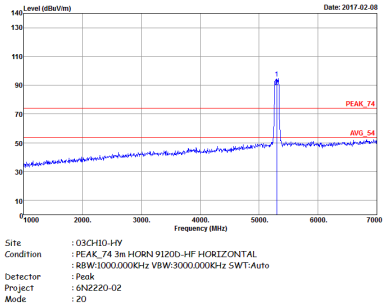
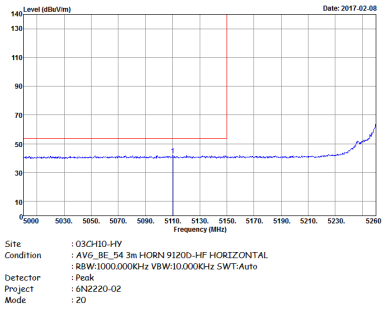
WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

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

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

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

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