FCC RF Test Report

APPLICANT	:	Ubiquiti Networks, Inc.
EQUIPMENT	:	PRISM Station AC
BRAND NAME	:	UBIQUITI
MODEL NAME	:	PS-5AC
FCC ID	:	SWX-PS5AC
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 Mar. 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

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6N2223-02	Rev. 01	Initial issue of report	May 31, 2017
FR6N2223-02	Rev. 02	Adding SHF-EHF Horn Antenna which used for radiated measurements above 18 GHz	Jun. 07, 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 0.11 dB at 5350.320 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 7.20 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, and GPS

Product Specification subjective to this standard	
Antenna Type	WLAN 2.4GHz: Internal Antenna WLAN 5GHz: Horn Antenna GPS: Patch 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 v01r04
- 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

Remark: For radiated spurious emissions, all tests were performed with PoE adapter 1.

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

Ch. #		Band II：5250-5350 MHz			
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30	802.11ac VHT40
L	Low	51	52	53	54
M	Middle	60	60	60	60
H	High	68	67	66	65

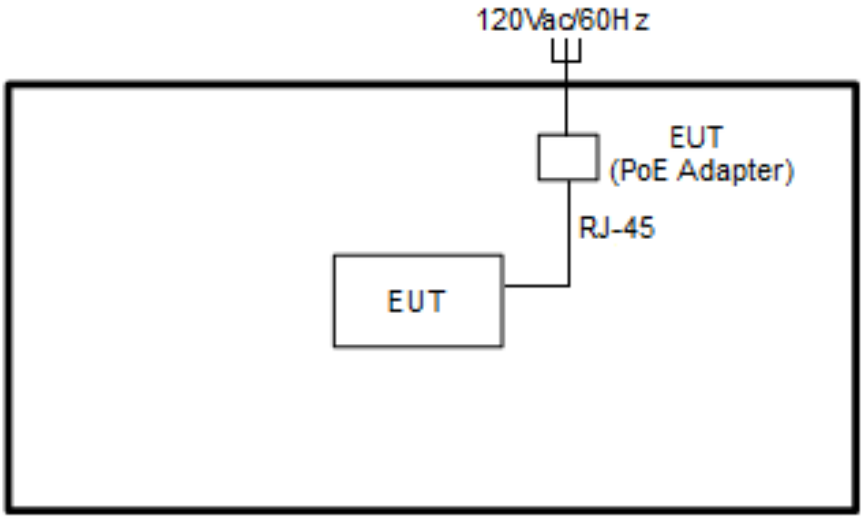
Ch. #		Band II：5250-5350 MHz			
		802.11ac VHT50	802.11ac VHT60	802.11ac VHT80	-
L	Low	55	56	58	-
M	Middle	60	60	60	-
H	High	64	63	61	-

Ch. #		Band III：5470-5725MHz			
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30	802.11ac VHT40
L	Low	96	97	98	99
M	Middle	120	120	120	120
H	High	143	142	141	140

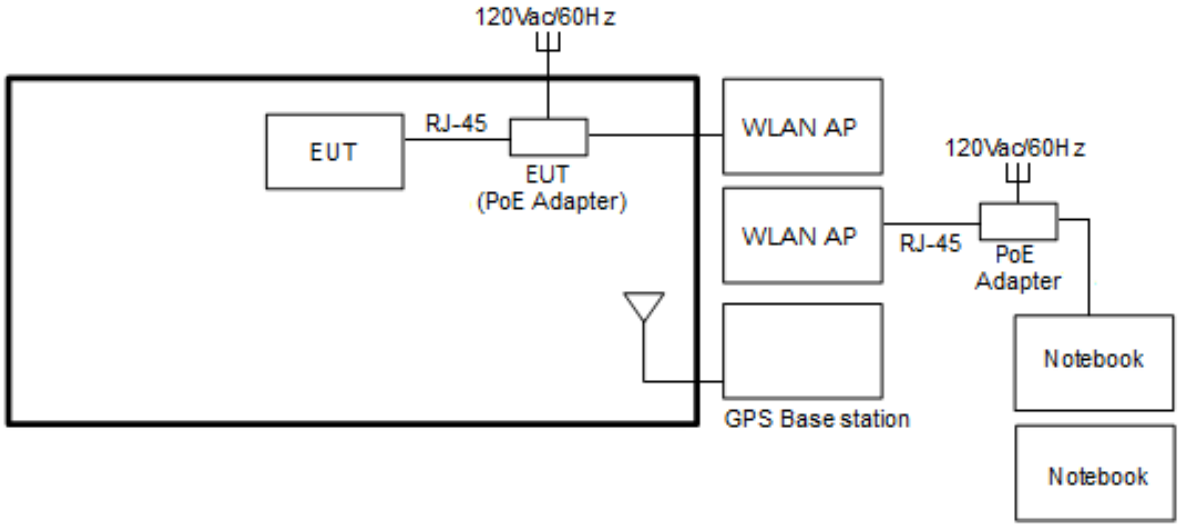
Ch. #		Band III：5470-5725MHz			
		802.11ac VHT50	802.11ac VHT60	802.11ac VHT80	-
L	Low	100	101	103	-
M	Middle	120	120	120	-
H	High	139	138	136	-

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	RP-5AC-GEN2	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	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
4.	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
5.	Antenna	N/A	N/A	N/A	N/A	N/A

2.4 EUT Operation Test Setup

For WLAN function, 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.

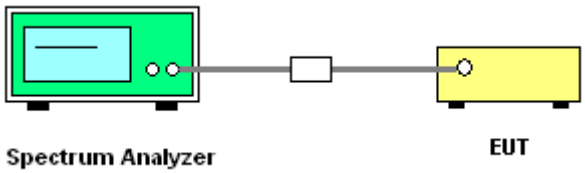
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

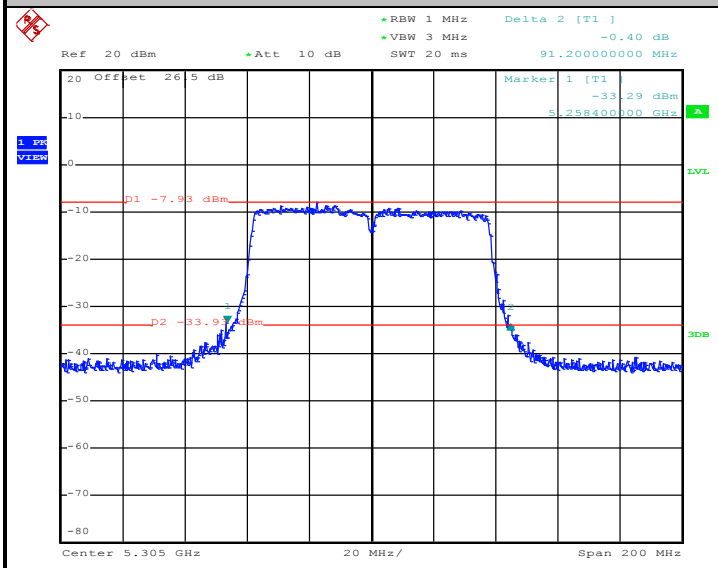
3.1.4 Test Setup



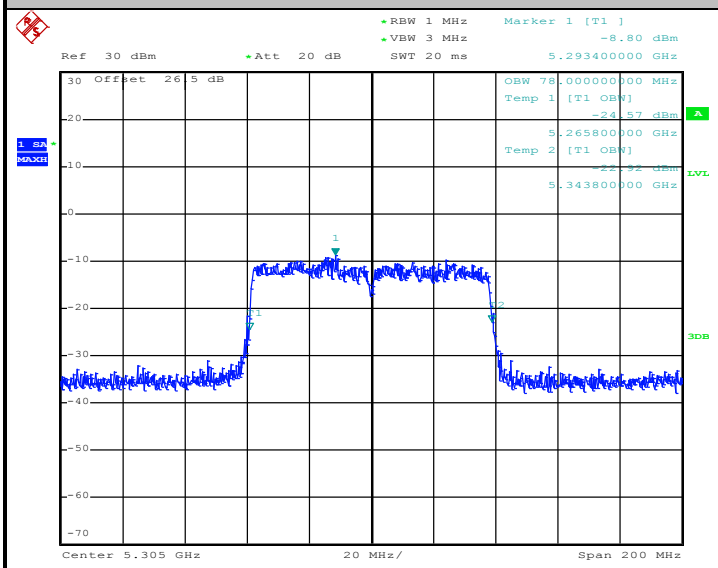
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

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

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

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

3.2.2 Measuring Instruments

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

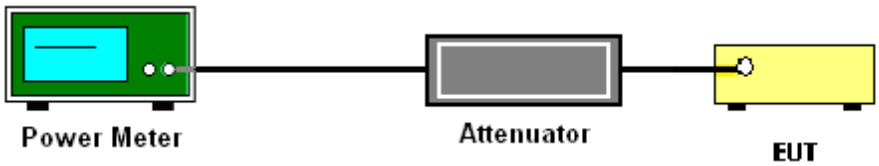
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

 # Method SA-2 #

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

- 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.

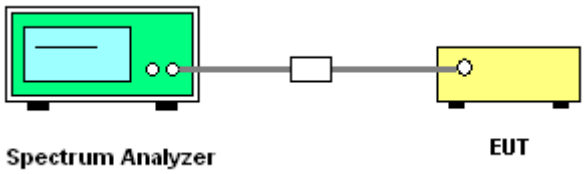
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

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.

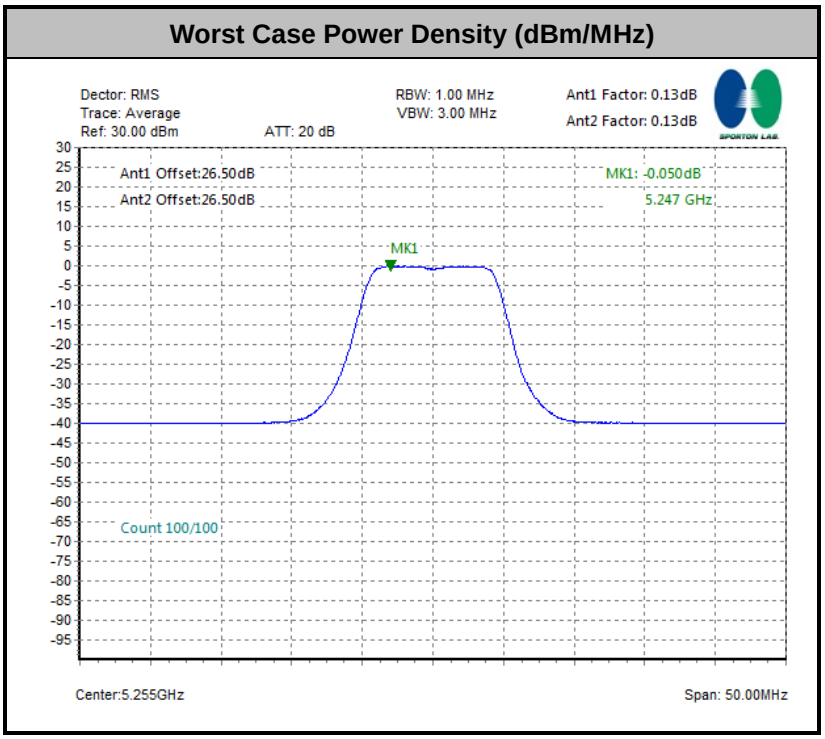
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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



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)
- 27	68.3

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

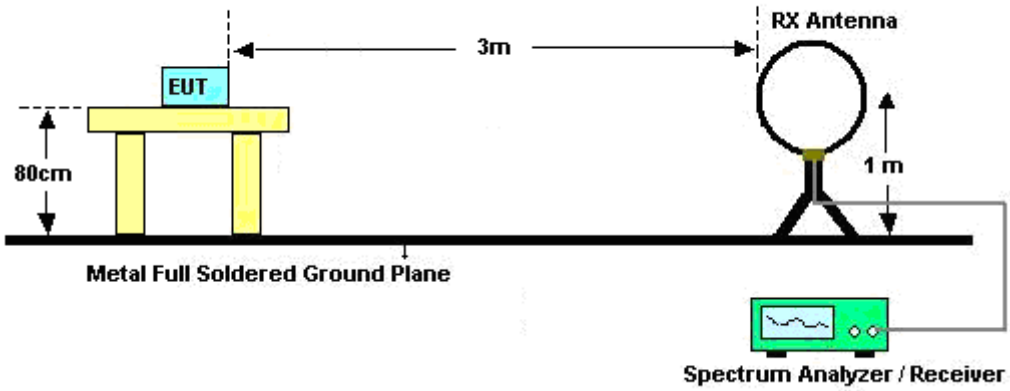
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. Section G) Unwanted emissions measurement.
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

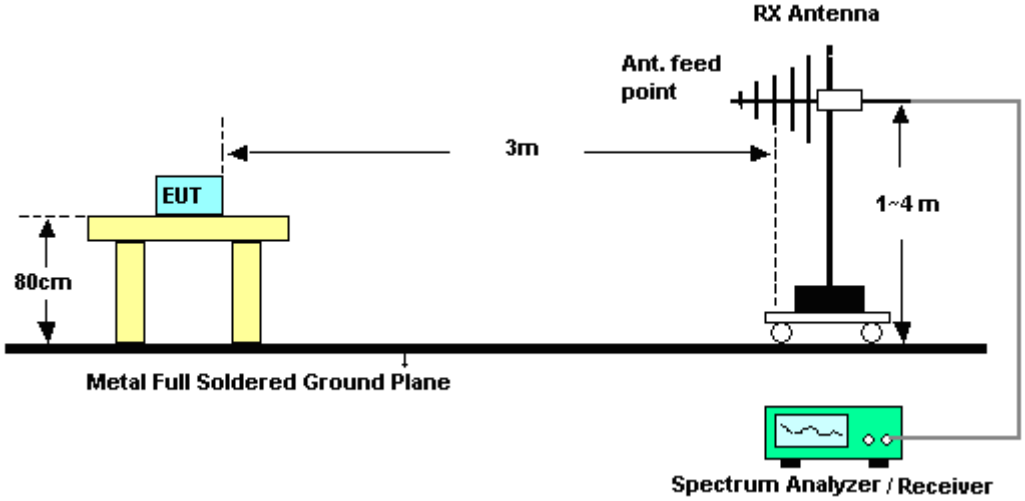
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

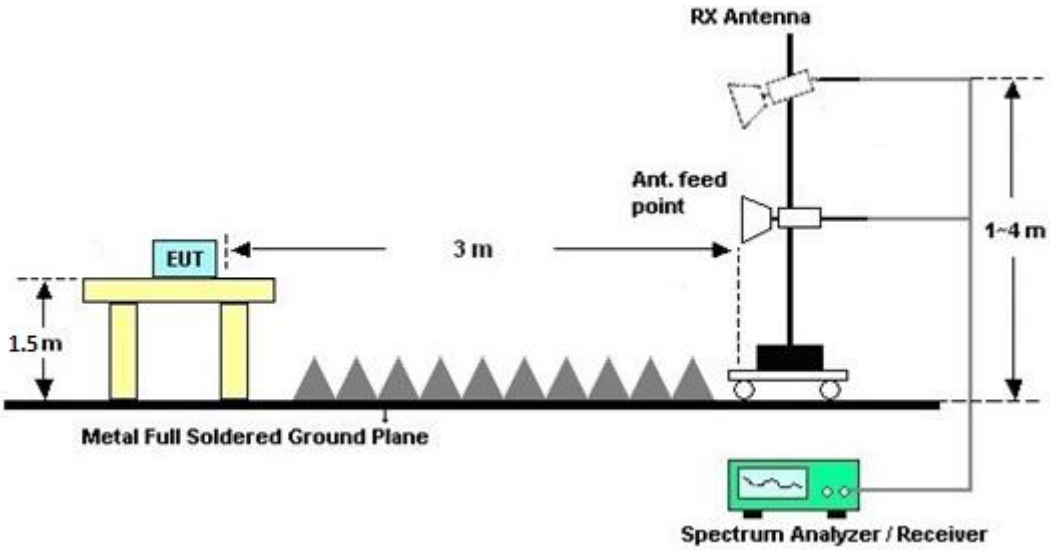
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

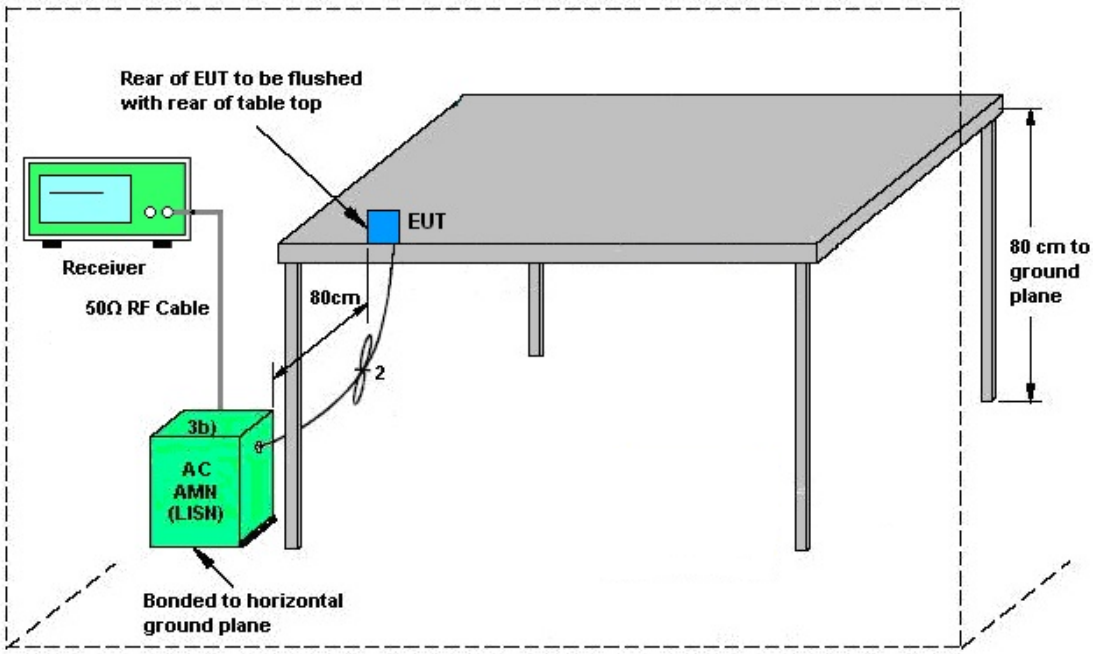
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

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

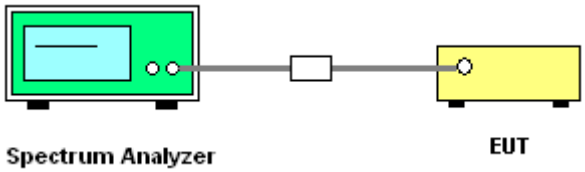
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 Limit of Automatically Discontinue Transmission

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

3.7.2 Measuring Instruments

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

3.7.3 Test Result of Automatically Discontinue Transmission

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

3.8 Antenna Requirements

3.8.1 Standard Applicable

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	Feb. 23, 2017 ~ Mar. 28, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Feb. 23, 2017 ~ Mar. 28, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Feb. 23, 2017 ~ Mar. 28, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 01, 2016	Feb. 23, 2017 ~ Mar. 28, 2017	Aug. 31, 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 17, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Feb. 17, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Feb. 17, 2017	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Feb. 17, 2017	Dec. 05, 2017	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 26, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 07, 2017	Feb. 20, 2017 ~ Mar. 24, 2017	Jan. 06, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Sep. 30, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Sep. 29, 2017	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 26, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Jun. 15, 2017	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 17, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Oct. 16, 2017	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 20, 2017 ~ Mar. 24, 2017	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Feb. 20, 2017 ~ Mar. 24, 2017	N/A	Radiation (03CH10-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Oct. 20, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Oct. 19, 2018	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JPA00101800-30-10P	1601180002	1GHz~18GHz	Jul. 27, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Jul. 26, 2017	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Feb. 20, 2017 ~ Mar. 24, 2017	Nov. 07, 2017	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 10, 2016	Feb. 20, 2017 ~ Mar. 03, 2017	Mar. 09, 2017	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 03, 2017	Mar. 04, 2017 ~ Mar. 24, 2017	Mar. 02, 2018	Radiation (03CH10-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 : FR6N2223-02

Test Engineer:	Kai Liao	Temperature:	21~25	°C
Test Date:	2017/02/23 ~ 2017/03/28	Relative Humidity:	51~54	%

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	10.28	10.28	14.08	13.63	21.12		27.12		22.34		
VHT10	VHT0	2	60	5300	10.23	10.33	14.35	13.70	21.10		27.10		22.37		
VHT10	VHT0	2	68	5340	9.80	10.30	14.05	14.05	20.91		26.91		22.48		
VHT20	VHT0	2	52	5260	18.80	18.60	25.70	24.30	23.70		29.70		23.98		
VHT20	VHT0	2	60	5300	18.90	18.70	25.30	25.00	23.72		29.72		23.98		
VHT20	VHT0	2	67	5335	18.75	18.75	25.30	24.50	23.73		29.73		23.98		
VHT30	VHT0	2	53	5265	28.35	27.60	37.20	36.15	23.98		30.00		23.98		
VHT30	VHT0	2	60	5300	27.90	27.83	36.75	35.70	23.98		30.00		23.98		
VHT30	VHT0	2	66	5330	28.50	28.28	37.20	37.35	23.98		30.00		23.98		
VHT40	VHT0	2	54	5270	36.70	36.90	44.60	45.40	23.98		30.00		23.98		
VHT40	VHT0	2	60	5300	36.90	36.90	46.00	45.60	23.98		30.00		23.98		
VHT40	VHT0	2	65	5325	37.40	37.30	47.00	46.20	23.98		30.00		23.98		
VHT50	VHT0	2	55	5275	45.00	44.88	55.75	54.50	23.98		30.00		23.98		
VHT50	VHT0	2	60	5300	44.88	45.00	56.50	54.50	23.98		30.00		23.98		
VHT50	VHT0	2	64	5320	45.25	45.50	55.50	55.75	23.98		30.00		23.98		
VHT60	VHT0	2	56	5280	55.05	55.35	66.90	65.70	23.98		30.00		23.98		
VHT60	VHT0	2	60	5300	55.35	55.05	67.65	66.60	23.98		30.00		23.98		
VHT60	VHT0	2	63	5315	56.85	56.25	69.30	67.80	23.98		30.00		23.98		
VHT80	VHT0	2	58	5290	76.40	76.40	90.00	90.70	23.98		30.00		23.98		
VHT80	VHT0	2	60	5300	76.40	76.40	89.20	86.80	23.98		30.00		23.98		
VHT80	VHT0	2	61	5305	78.00	77.20	91.20	87.80	23.98		30.00		23.98		

Report Number : FR6N2223-02

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	0.13	0.13	6.77	6.17	9.50	14.34		14.00		30	Pass
VHT10	VHT0	2	60	5300	0.13	0.13	6.32	6.42	9.39	14.37		14.00		30	Pass
VHT10	VHT0	2	68	5340	0.13	0.13	6.50	6.01	9.28	14.48		14.00		30	Pass
VHT20	VHT0	2	52	5260	0.20	0.26	9.42	9.14	12.29	15.98		14.00		30	Pass
VHT20	VHT0	2	60	5300	0.20	0.26	8.89	9.19	12.06	15.98		14.00		30	Pass
VHT20	VHT0	2	67	5335	0.20	0.26	7.76	7.18	10.49	15.98		14.00		30	Pass
VHT30	VHT0	2	53	5265	0.33	0.30	10.86	10.77	13.83	15.98		14.00		30	Pass
VHT30	VHT0	2	60	5300	0.33	0.30	10.60	10.85	13.74	15.98		14.00		30	Pass
VHT30	VHT0	2	66	5330	0.33	0.30	0.62	0.86	3.75	15.98		14.00		30	Pass
VHT40	VHT0	2	54	5270	0.43	0.40	12.09	12.52	14.96	15.98		14.00		30	Pass
VHT40	VHT0	2	60	5300	0.43	0.40	12.46	12.52	15.50	15.98		14.00		30	Pass
VHT40	VHT0	2	65	5325	0.43	0.40	1.96	1.75	4.87	15.98		14.00		30	Pass
VHT50	VHT0	2	55	5275	0.48	0.48	12.70	12.70	15.71	15.98		14.00		30	Pass
VHT50	VHT0	2	60	5300	0.48	0.48	12.91	12.98	15.95	15.98		14.00		30	Pass
VHT50	VHT0	2	64	5320	0.48	0.48	2.58	2.39	5.49	15.98		14.00		30	Pass
VHT60	VHT0	2	56	5280	0.66	0.59	13.17	12.45	15.83	15.98		14.00		30	Pass
VHT60	VHT0	2	60	5300	0.66	0.59	12.77	12.37	15.58	15.98		14.00		30	Pass
VHT60	VHT0	2	63	5315	0.66	0.59	0.55	0.58	3.57	15.98		14.00		30	Pass
VHT80	VHT0	2	58	5290	0.83	0.81	5.58	5.17	8.39	15.98		14.00		30	Pass
VHT80	VHT0	2	60	5300	0.83	0.81	4.16	3.81	7.00	15.98		14.00		30	Pass
VHT80	VHT0	2	61	5305	0.83	0.81	-0.26	-0.30	2.73	15.98		14.00		30	Pass

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	0.13	0.13			-0.05	-0.01		17.01			Pass
VHT10	VHT0	2	60	5300	0.13	0.13			-0.26	-0.01		17.01			Pass
VHT10	VHT0	2	68	5340	0.13	0.13			-0.27	-0.01		17.01			Pass
VHT20	VHT0	2	52	5260	0.20	0.26			-0.05	-0.01		17.01			Pass
VHT20	VHT0	2	60	5300	0.20	0.26			-0.51	-0.01		17.01			Pass
VHT20	VHT0	2	67	5335	0.20	0.26			-2.01	-0.01		17.01			Pass
VHT30	VHT0	2	53	5265	0.33	0.30			-0.21	-0.01		17.01			Pass
VHT30	VHT0	2	60	5300	0.33	0.30			-0.62	-0.01		17.01			Pass
VHT30	VHT0	2	66	5330	0.33	0.30			-10.12	-0.01		17.01			Pass
VHT40	VHT0	2	54	5270	0.43	0.40			-0.58	-0.01		17.01			Pass
VHT40	VHT0	2	60	5300	0.43	0.40			-0.13	-0.01		17.01			Pass
VHT40	VHT0	2	65	5325	0.43	0.40			-10.42	-0.01		17.01			Pass
VHT50	VHT0	2	55	5275	0.48	0.48			-0.51	-0.01		17.01			Pass
VHT50	VHT0	2	60	5300	0.48	0.48			-0.47	-0.01		17.01			Pass
VHT50	VHT0	2	64	5320	0.48	0.48			-10.61	-0.01		17.01			Pass
VHT60	VHT0	2	56	5280	0.66	0.59			-0.59	-0.01		17.01			Pass
VHT60	VHT0	2	60	5300	0.66	0.59			-1.36	-0.01		17.01			Pass
VHT60	VHT0	2	63	5315	0.66	0.59			-13.14	-0.01		17.01			Pass
VHT80	VHT0	2	58	5290	0.83	0.81			-9.74	-0.01		17.01			Pass
VHT80	VHT0	2	60	5300	0.83	0.81			-11.27	-0.01		17.01			Pass
VHT80	VHT0	2	61	5305	0.83	0.81			-15.33	-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	10.15	10.18	14.38	14.10	21.06		27.06		22.49		
VHT10	VHT0	2	120	5600	10.18	10.20	13.85	13.90	21.08		27.08		22.41		
VHT10	VHT0	2	143	5715	10.20	10.20	13.90	13.90	21.09		27.09		22.43		
VHT20	VHT0	2	97	5485	18.80	18.65	25.00	25.20	23.71		29.71		23.98		
VHT20	VHT0	2	120	5600	18.65	18.80	25.95	25.10	23.71		29.71		23.98		
VHT20	VHT0	2	142	5710	18.90	18.95	24.85	25.05	23.76		29.76		23.98		
VHT30	VHT0	2	98	5490	27.83	27.90	36.75	36.45	23.98		30.00		23.98		
VHT30	VHT0	2	120	5600	27.83	28.13	36.45	36.90	23.98		30.00		23.98		
VHT30	VHT0	2	141	5705	28.05	27.98	36.83	37.50	23.98		30.00		23.98		
VHT40	VHT0	2	99	5495	36.80	36.80	45.20	45.40	23.98		30.00		23.98		
VHT40	VHT0	2	120	5600	36.80	37.10	46.20	46.70	23.98		30.00		23.98		
VHT40	VHT0	2	140	5700	37.00	37.00	45.60	46.00	23.98		30.00		23.98		
VHT50	VHT0	2	100	5500	44.88	45.13	54.75	53.13	23.98		30.00		23.98		
VHT50	VHT0	2	120	5600	45.00	45.00	55.75	55.75	23.98		30.00		23.98		
VHT50	VHT0	2	139	5695	45.13	45.00	54.75	54.50	23.98		30.00		23.98		
VHT60	VHT0	2	101	5505	55.20	55.20	67.80	66.90	23.98		30.00		23.98		
VHT60	VHT0	2	120	5600	55.20	55.20	68.25	67.20	23.98		30.00		23.98		
VHT60	VHT0	2	138	5690	55.35	55.35	67.20	66.90	23.98		30.00		23.98		
VHT80	VHT0	2	103	5515	76.20	76.00	88.80	86.00	23.98		30.00		23.98		
VHT80	VHT0	2	120	5600	76.20	75.80	86.40	87.20	23.98		30.00		23.98		
VHT80	VHT0	2	136	5680	76.20	76.00	89.20	88.80	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	0.13	0.13	5.01	5.78	8.43	14.49		14.00		30	Pass
VHT10	VHT0	2	120	5600	0.13	0.13	5.67	5.79	8.75	14.41		14.00		30	Pass
VHT10	VHT0	2	143	5715	0.13	0.13	6.58	6.68	9.65	14.43		14.00		30	Pass
VHT20	VHT0	2	97	5485	0.20	0.26	7.78	9.26	11.60	15.98		14.00		30	Pass
VHT20	VHT0	2	120	5600	0.20	0.26	8.43	8.58	11.52	15.98		14.00		30	Pass
VHT20	VHT0	2	142	5710	0.20	0.26	9.45	9.59	12.53	15.98		14.00		30	Pass
VHT30	VHT0	2	98	5490	0.33	0.30	9.65	10.85	13.30	15.98		14.00		30	Pass
VHT30	VHT0	2	120	5600	0.33	0.30	10.38	10.41	13.41	15.98		14.00		30	Pass
VHT30	VHT0	2	141	5705	0.33	0.30	6.55	6.55	9.56	15.98		14.00		30	Pass
VHT40	VHT0	2	99	5495	0.43	0.40	9.03	9.65	12.36	15.98		14.00		30	Pass
VHT40	VHT0	2	120	5600	0.43	0.40	11.65	11.95	14.81	15.98		14.00		30	Pass
VHT40	VHT0	2	140	5700	0.43	0.40	6.65	6.70	9.69	15.98		14.00		30	Pass
VHT50	VHT0	2	100	5500	0.48	0.48	9.98	10.63	13.33	15.98		14.00		30	Pass
VHT50	VHT0	2	120	5600	0.48	0.48	12.43	12.58	15.51	15.98		14.00		30	Pass
VHT50	VHT0	2	139	5695	0.48	0.48	6.70	6.83	9.77	15.98		14.00		30	Pass
VHT60	VHT0	2	101	5505	0.66	0.59	8.61	9.04	11.84	15.98		14.00		30	Pass
VHT60	VHT0	2	120	5600	0.66	0.59	12.87	13.03	15.96	15.98		14.00		30	Pass
VHT60	VHT0	2	138	5690	0.66	0.59	6.40	6.19	9.30	15.98		14.00		30	Pass
VHT80	VHT0	2	103	5515	0.83	0.81	5.60	5.93	8.78	15.98		14.00		30	Pass
VHT80	VHT0	2	120	5600	0.83	0.81	12.60	13.25	15.95	15.98		14.00		30	Pass
VHT80	VHT0	2	136	5680	0.83	0.81	7.96	8.07	11.03	15.98		14.00		30	Pass

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TEST RESULTS DATA
Power Spectral Density

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	VHT0	2	96	5480	0.13	0.13			-0.38	-0.01		17.01			Pass
VHT10	VHT0	2	120	5600	0.13	0.13			-0.37	-0.01		17.01			Pass
VHT10	VHT0	2	143	5715	0.13	0.13			-0.51	-0.01		17.01			Pass
VHT20	VHT0	2	97	5485	0.20	0.26			-0.26	-0.01		17.01			Pass
VHT20	VHT0	2	120	5600	0.20	0.26			-0.17	-0.01		17.01			Pass
VHT20	VHT0	2	142	5710	0.20	0.26			-0.33	-0.01		17.01			Pass
VHT30	VHT0	2	98	5490	0.33	0.30			-0.19	-0.01		17.01			Pass
VHT30	VHT0	2	120	5600	0.33	0.30			-0.36	-0.01		17.01			Pass
VHT30	VHT0	2	141	5705	0.33	0.30			-4.97	-0.01		17.01			Pass
VHT40	VHT0	2	99	5495	0.43	0.40			-2.32	-0.01		17.01			Pass
VHT40	VHT0	2	120	5600	0.43	0.40			-0.21	-0.01		17.01			Pass
VHT40	VHT0	2	140	5700	0.43	0.40			-6.38	-0.01		17.01			Pass
VHT50	VHT0	2	100	5500	0.48	0.48			-2.29	-0.01		17.01			Pass
VHT50	VHT0	2	120	5600	0.48	0.48			-0.21	-0.01		17.01			Pass
VHT50	VHT0	2	139	5695	0.48	0.48			-7.00	-0.01		17.01			Pass
VHT60	VHT0	2	101	5505	0.66	0.59			-4.62	-0.01		17.01			Pass
VHT60	VHT0	2	120	5600	0.66	0.59			-0.44	-0.01		17.01			Pass
VHT60	VHT0	2	138	5690	0.66	0.59			-8.22	-0.01		17.01			Pass
VHT80	VHT0	2	103	5515	0.83	0.81			-8.84	-0.01		17.01			Pass
VHT80	VHT0	2	120	5600	0.83	0.81			-1.18	-0.01		17.01			Pass
VHT80	VHT0	2	136	5680	0.83	0.81			-7.57	-0.01		17.01			Pass

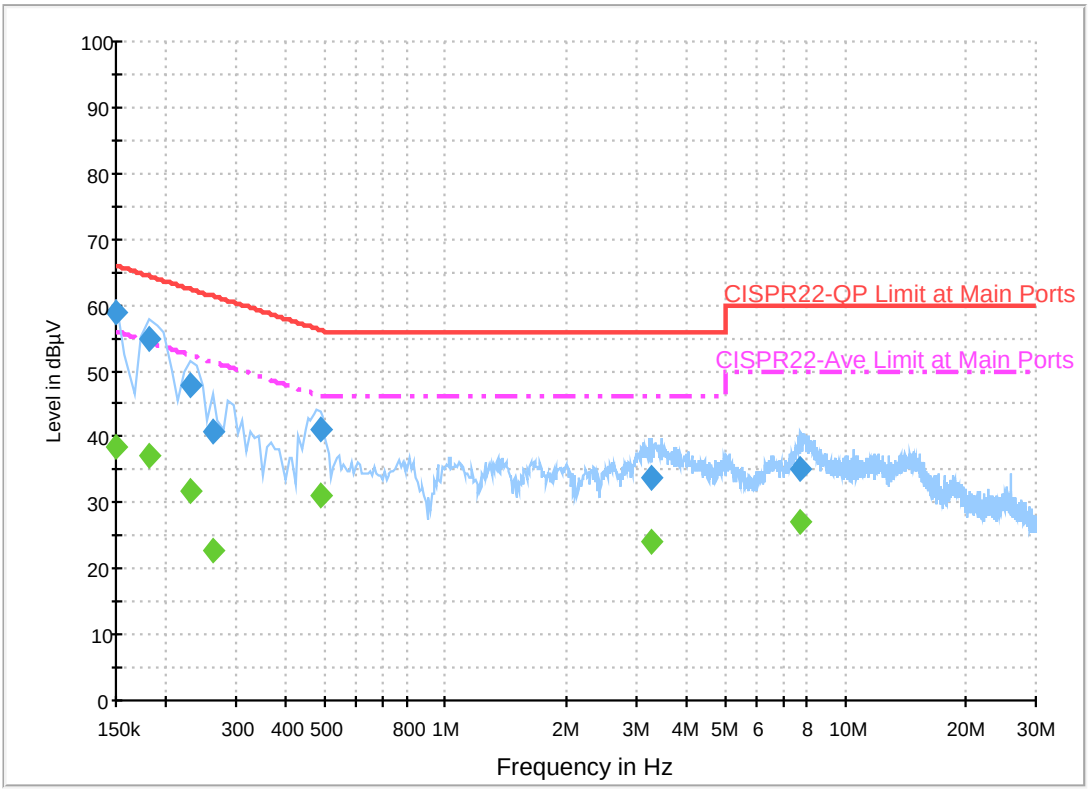
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Arthur Hsieh	**Temperature :**	20~22℃
		Relative Humidity :	50~53%

EUT Information

Report NO :	6N2223-02
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	58.8	Off	L1	19.6	7.2	66.0
0.182000	54.9	Off	L1	19.6	9.5	64.4
0.230000	47.8	Off	L1	19.6	14.6	62.4
0.262000	40.7	Off	L1	19.6	20.7	61.4
0.486000	41.1	Off	L1	19.6	15.1	56.2
3.286000	33.9	Off	L1	19.6	22.1	56.0
7.750000	35.1	Off	L1	19.9	24.9	60.0

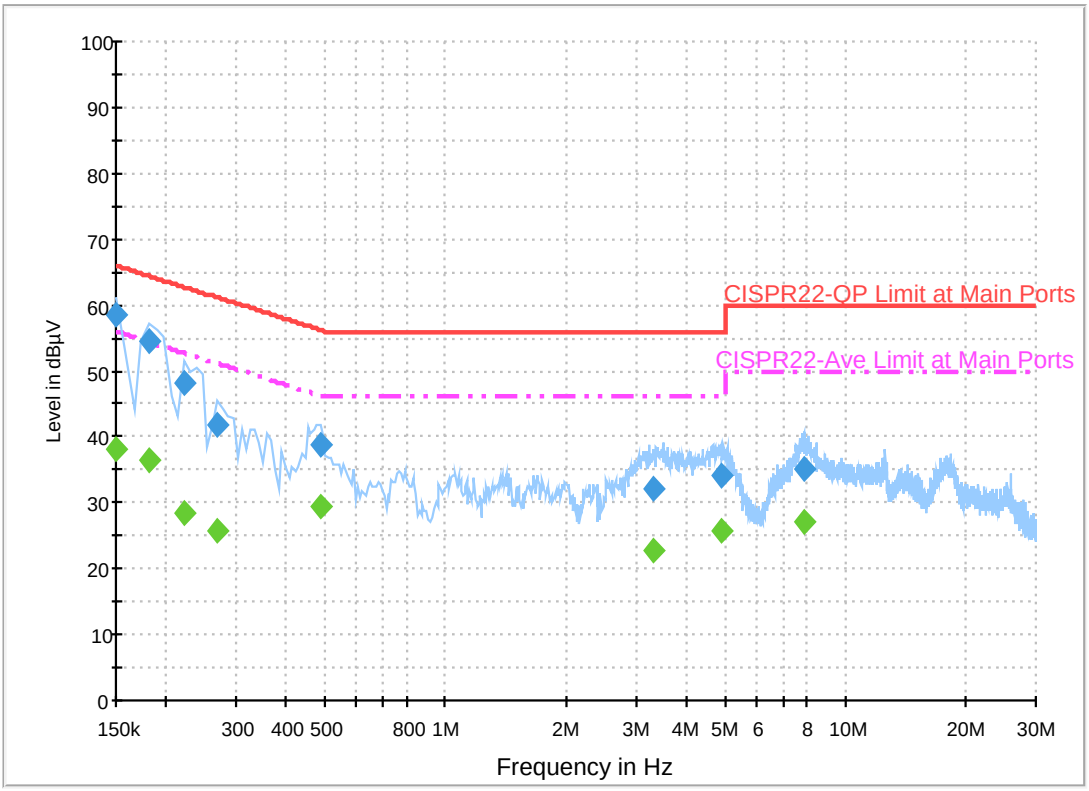
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	38.4	Off	L1	19.6	17.6	56.0
0.182000	37.1	Off	L1	19.6	17.3	54.4
0.230000	31.7	Off	L1	19.6	20.7	52.4
0.262000	22.7	Off	L1	19.6	28.7	51.4
0.486000	31.2	Off	L1	19.6	15.0	46.2
3.286000	24.2	Off	L1	19.6	21.8	46.0
7.750000	27.0	Off	L1	19.9	23.0	50.0

EUT Information

Report NO :	6N2223-02
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)
0.150000	58.7	Off	N	19.5	7.3	66.0
0.182000	54.6	Off	N	19.5	9.8	64.4
0.222000	48.2	Off	N	19.5	14.5	62.7
0.270000	41.9	Off	N	19.5	19.2	61.1
0.486000	38.9	Off	N	19.5	17.3	56.2
3.302000	32.2	Off	N	19.6	23.8	56.0
4.902000	34.3	Off	N	19.7	21.7	56.0
7.894000	35.2	Off	N	19.9	24.8	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	38.3	Off	N	19.5	17.7	56.0
0.182000	36.6	Off	N	19.5	17.8	54.4
0.222000	28.3	Off	N	19.5	24.4	52.7
0.270000	25.6	Off	N	19.5	25.5	51.1
0.486000	29.6	Off	N	19.5	16.6	46.2
3.302000	22.6	Off	N	19.6	23.4	46.0
4.902000	25.8	Off	N	19.7	20.2	46.0
7.894000	27.2	Off	N	19.9	22.8	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5122.2	52.95	-21.05	74	45.61	31.94	7.94	32.54	193	177	P	H
		5148.98	44.62	-9.38	54	37.24	31.98	7.94	32.54	193	177	A	H
	*	5255	118.11	-	-	110.43	32.1	8.12	32.54	193	177	P	H
	*	5255	113.09	-	-	105.41	32.1	8.12	32.54	193	177	A	H
		5389.2	60.33	-13.67	74	52.33	32.26	8.29	32.55	193	177	P	H
		5356.32	52.16	-1.84	54	44.25	32.22	8.23	32.54	193	177	A	H
													H
													H
802.11ac													H
VTH10													H
CH 51		5145.08	56.59	-17.41	74	49.21	31.98	7.94	32.54	221	173	P	V
5255MHz		5141.44	47.52	-6.48	54	40.14	31.98	7.94	32.54	221	173	A	V
	*	5255	118.74	-	-	111.06	32.1	8.12	32.54	221	173	P	V
	*	5255	112.48	-	-	104.8	32.1	8.12	32.54	221	173	A	V
		5364	59	-15	74	51.01	32.24	8.29	32.54	221	173	P	V
		5353.92	51.61	-2.39	54	43.7	32.22	8.23	32.54	221	173	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)
		5095.68	52.69	-21.31	74	45.34	31.92	7.96	32.53	199	186	P	H
		5139.36	44.57	-9.43	54	37.21	31.96	7.94	32.54	199	186	A	H
	*	5300	119.82	-	-	112.02	32.16	8.18	32.54	199	186	P	H
	*	5300	113.62	-	-	105.82	32.16	8.18	32.54	199	186	A	H
		5391.6	60.62	-13.38	74	52.62	32.26	8.29	32.55	199	186	P	H
		5382.24	52.01	-1.99	54	44.01	32.26	8.29	32.55	199	186	A	H
													H
													H
802.11ac													H
VTH10													H
CH 60		5144.3	54.41	-19.59	74	47.03	31.98	7.94	32.54	212	181	P	V
5300MHz		5143.52	46.28	-7.72	54	38.9	31.98	7.94	32.54	212	181	A	V
	*	5300	119.86	-	-	112.06	32.16	8.18	32.54	212	181	P	V
	*	5300	113.55	-	-	105.75	32.16	8.18	32.54	212	181	A	V
		5401.92	56.36	-17.64	74	48.34	32.28	8.29	32.55	212	181	P	V
		5355.6	48.75	-5.25	54	40.84	32.22	8.23	32.54	212	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)
		5340	108.3	34.3	74	100.41	32.2	8.23	32.54	205	181	P	H
		5340	102.78	48.78	54	94.89	32.2	8.23	32.54	205	181	A	H
	*	5350.56	57.19	-	-	49.28	32.22	8.23	32.54	205	181	P	H
	*	5350.08	51.8	-	-	43.89	32.22	8.23	32.54	205	181	A	H
													H
													H
													H
													H
													H
													H
802.11ac VTH10 CH 68 5340MHz		5340	108.8	34.8	74	100.91	32.2	8.23	32.54	212	183	P	V
		5340	104.11	50.11	54	96.22	32.2	8.23	32.54	212	183	A	V
	*	5350.24	58.94	-	-	51.03	32.22	8.23	32.54	212	183	P	V
	*	5350.08	53.35	-	-	45.44	32.22	8.23	32.54	212	183	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	43.75	-30.25	74	48.69	39.9	12.06	56.9	100	0	P	H
		15765	42.81	-31.19	74	48.02	37.66	14.82	57.69	100	0	P	H
802.11ac													H
VTH10													H
CH 51		10510	44.7	-29.3	74	49.64	39.9	12.06	56.9	100	0	P	V
5255MHz		15765	41.65	-32.35	74	46.86	37.66	14.82	57.69	100	0	P	V
													V
													V
		10600	43.39	-30.61	74	56.48	39.98	12.11	65.18	100	0	P	H
		15900	39.56	-34.44	74	52.01	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VTH10													H
CH 60		10600	43.68	-30.32	74	56.77	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	39.72	-34.28	74	52.17	37.47	14.85	64.77	100	0	P	V
													V
													V
		10680	43.09	-30.91	74	56.07	40.04	12.15	65.17	100	0	P	H
		16020	41.02	-32.98	74	53.75	37.4	14.88	65.01	100	0	P	H
802.11ac													H
VTH10													H
CH 68		10680	43.26	-30.74	74	56.24	40.04	12.15	65.17	100	0	P	V
5340MHz		16020	40.1	-33.9	74	52.83	37.4	14.88	65.01	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)
		5106.86	53.49	-20.51	74	46.12	31.94	7.96	32.53	197	177	P	H
		5148.98	44.63	-9.37	54	37.25	31.98	7.94	32.54	197	177	A	H
	*	5260	117.12	-	-	109.42	32.12	8.12	32.54	197	177	P	H
	*	5260	110.22	-	-	102.52	32.12	8.12	32.54	197	177	A	H
		5452.8	59.32	-14.68	74	51.24	32.34	8.29	32.55	197	177	P	H
		5354.16	52.23	-1.77	54	44.32	32.22	8.23	32.54	197	177	A	H
													H
													H
802.11ac													H
VHT20													H
CH 52		5150	57	-17	74	49.62	31.98	7.94	32.54	231	174	P	V
5260MHz		5149.76	47.59	-6.41	54	40.21	31.98	7.94	32.54	231	174	A	V
	*	5260	117.43	-	-	109.73	32.12	8.12	32.54	231	174	P	V
	*	5260	110.38	-	-	102.68	32.12	8.12	32.54	231	174	A	V
		5391.84	58.59	-15.41	74	50.59	32.26	8.29	32.55	231	174	P	V
		5352.48	51.69	-2.31	54	43.78	32.22	8.23	32.54	231	174	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)
		5111.02	53.67	-20.33	74	46.3	31.94	7.96	32.53	198	183	P	H
		5135.72	44.5	-9.5	54	37.14	31.96	7.94	32.54	198	183	A	H
	*	5300	116.99	-	-	109.19	32.16	8.18	32.54	198	183	P	H
	*	5300	110.97	-	-	103.17	32.16	8.18	32.54	198	183	A	H
		5355.6	59.96	-14.04	74	52.05	32.22	8.23	32.54	198	183	P	H
		5383.68	51.97	-2.03	54	43.97	32.26	8.29	32.55	198	183	A	H
													H
													H
802.11ac													H
VHT20													H
CH 60		5133.64	53.83	-20.17	74	46.47	31.96	7.94	32.54	211	183	P	V
5300MHz		5139.36	46.22	-7.78	54	38.86	31.96	7.94	32.54	211	183	A	V
	*	5300	116.6	-	-	108.8	32.16	8.18	32.54	211	183	P	V
	*	5300	110.84	-	-	103.04	32.16	8.18	32.54	211	183	A	V
		5363.04	56.66	-17.34	74	48.67	32.24	8.29	32.54	211	183	P	V
		5353.2	48.92	-5.08	54	41.01	32.22	8.23	32.54	211	183	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	102.49	28.49	74	94.6	32.2	8.23	32.54	208	181	P	H
	*	5335	96.11	42.11	54	88.22	32.2	8.23	32.54	208	181	A	H
		5350.08	60.27	-	-	52.36	32.22	8.23	32.54	208	181	P	H
		5350.08	53.64	-	-	45.73	32.22	8.23	32.54	208	181	A	H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 67	*	5335	104.43	30.43	74	96.54	32.2	8.23	32.54	210	181	P	V
5335MHz	*	5335	97.03	43.03	54	89.14	32.2	8.23	32.54	210	181	A	V
		5350.24	57.27	-	-	49.36	32.22	8.23	32.54	210	181	P	V
		5350.08	51.88	-	-	43.97	32.22	8.23	32.54	210	181	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	44.92	-29.08	74	49.83	39.91	12.08	56.9	100	0	P	H
		15780	41.66	-32.34	74	46.87	37.66	14.82	57.69	100	0	P	H
802.11ac													H
VHT20													H
CH 52		10520	45.34	-28.66	74	50.25	39.91	12.08	56.9	100	0	P	V
5260MHz		15780	42.1	-31.9	74	47.31	37.66	14.82	57.69	100	0	P	V
													V
													V
		10600	44.6	-29.4	74	57.69	39.98	12.11	65.18	100	0	P	H
		15900	40.03	-33.97	74	52.48	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VHT20													H
CH 60		10600	43.13	-30.87	74	56.22	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	39.87	-34.13	74	52.32	37.47	14.85	64.77	100	0	P	V
													V
													V
		10530	42.84	-31.16	74	56.02	39.93	12.08	65.19	100	0	P	H
		15795	39.08	-34.92	74	51.17	37.63	14.82	64.54	100	0	P	H
802.11ac													H
VHT20													H
CH 67		10530	43.64	-30.36	74	56.82	39.93	12.08	65.19	100	0	P	V
5335MHz		15795	39.08	-34.92	74	51.17	37.63	14.82	64.54	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)
		5135.46	52.74	-21.26	74	45.38	31.96	7.94	32.54	195	178	P	H
		5144.3	45.13	-8.87	54	37.75	31.98	7.94	32.54	195	178	A	H
	*	5265	115.69	-	-	107.99	32.12	8.12	32.54	195	178	P	H
	*	5265	108.91	-	-	101.21	32.12	8.12	32.54	195	178	A	H
		5385.36	59.77	-14.23	74	51.77	32.26	8.29	32.55	195	178	P	H
		5350.56	52.76	-1.24	54	44.85	32.22	8.23	32.54	195	178	A	H
													H
													H
802.11ac													H
VHT30													H
CH 53		5132.6	56.16	-17.84	74	48.8	31.96	7.94	32.54	198	174	P	V
5265MHz		5146.12	48.49	-5.51	54	41.11	31.98	7.94	32.54	198	174	A	V
	*	5265	115.44	-	-	107.74	32.12	8.12	32.54	198	174	P	V
	*	5265	108.73	-	-	101.03	32.12	8.12	32.54	198	174	A	V
		5396.4	59.32	-14.68	74	51.3	32.28	8.29	32.55	198	174	P	V
		5356.32	52.31	-1.69	54	44.4	32.22	8.23	32.54	198	174	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)
		5106.34	53.81	-20.19	74	46.44	31.94	7.96	32.53	198	182	P	H
		5148.2	45.1	-8.9	54	37.72	31.98	7.94	32.54	198	182	A	H
	*	5300	116.31	-	-	108.51	32.16	8.18	32.54	198	182	P	H
	*	5300	109.66	-	-	101.86	32.16	8.18	32.54	198	182	A	H
		5386.08	59.93	-14.07	74	51.93	32.26	8.29	32.55	198	182	P	H
		5352.96	53.07	-0.93	54	45.16	32.22	8.23	32.54	198	182	A	H
													H
													H
802.11ac													H
VHT30													H
CH 60		5136.76	53.77	-20.23	74	46.41	31.96	7.94	32.54	212	184	P	V
5300MHz		5141.96	46.61	-7.39	54	39.23	31.98	7.94	32.54	212	184	A	V
	*	5300	115.47	-	-	107.67	32.16	8.18	32.54	212	184	P	V
	*	5300	109.19	-	-	101.39	32.16	8.18	32.54	212	184	A	V
		5376	56.36	-17.64	74	48.38	32.24	8.29	32.55	212	184	P	V
		5354.16	49.72	-4.28	54	41.81	32.22	8.23	32.54	212	184	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)
		5071.76	49.64	-24.36	74	42.28	31.9	7.99	32.53	200	183	P	H
		5140.14	41.16	-12.84	54	33.78	31.98	7.94	32.54	200	183	A	H
	*	5330	94.89	-	-	87	32.2	8.23	32.54	200	183	P	H
	*	5330	89.39	-	-	81.5	32.2	8.23	32.54	200	183	A	H
		5350.08	59.25	-14.75	74	51.34	32.22	8.23	32.54	200	183	P	H
		5350.32	53.08	-0.92	54	45.17	32.22	8.23	32.54	200	183	A	H
													H
													H
802.11ac													H
VHT30													H
CH 66		5099.58	50.23	-23.77	74	42.88	31.92	7.96	32.53	221	180	P	V
5330MHz		5148.46	42.07	-11.93	54	34.69	31.98	7.94	32.54	221	180	A	V
	*	5330	94.51	-	-	86.62	32.2	8.23	32.54	221	180	P	V
	*	5330	88.98	-	-	81.09	32.2	8.23	32.54	221	180	A	V
		5350.32	54.79	-19.21	74	46.88	32.22	8.23	32.54	221	180	P	V
		5350.08	49.39	-4.61	54	41.48	32.22	8.23	32.54	221	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	44.94	-29.06	74	49.82	39.93	12.08	56.89	100	0	P	H
		15795	42.89	-31.11	74	48.1	37.63	14.82	57.66	100	0	P	H
802.11ac													H
VHT30													H
CH 53		10530	45.15	-28.85	74	50.03	39.93	12.08	56.89	100	0	P	V
5265MHz		15795	42.86	-31.14	74	48.07	37.63	14.82	57.66	100	0	P	V
													V
													V
		10600	43.23	-30.77	74	56.32	39.98	12.11	65.18	100	0	P	H
		15900	37.92	-36.08	74	50.37	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VHT30													H
CH 60		10600	42.64	-31.36	74	55.73	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	39.18	-34.82	74	51.63	37.47	14.85	64.77	100	0	P	V
													V
													V
		10660	42.15	-31.85	74	55.17	40.02	12.13	65.17	100	0	P	H
		15990	40.22	-33.78	74	53.05	37.3	14.87	65	100	0	P	H
802.11ac													H
VHT30													H
CH 66		10660	42.32	-31.68	74	55.34	40.02	12.13	65.17	100	0	P	V
5330MHz		15990	39.6	-34.4	74	52.43	37.3	14.87	65	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)
		5149.24	53.23	-20.77	74	45.85	31.98	7.94	32.54	196	172	P	H
		5149.24	45.17	-8.83	54	37.79	31.98	7.94	32.54	196	172	A	H
	*	5270	117.63	-	-	109.93	32.12	8.12	32.54	196	172	P	H
	*	5270	111.2	-	-	103.5	32.12	8.12	32.54	196	172	A	H
		5356.08	59.89	-14.11	74	51.98	32.22	8.23	32.54	196	172	P	H
		5352.96	53.29	-0.71	54	45.38	32.22	8.23	32.54	196	172	A	H
													H
													H
802.11ac													H
VHT40													H
CH 54		5145.08	54.86	-19.14	74	47.48	31.98	7.94	32.54	195	180	P	V
5270MHz		5146.38	48.21	-5.79	54	40.83	31.98	7.94	32.54	195	180	A	V
	*	5270	116.32	-	-	108.62	32.12	8.12	32.54	195	180	P	V
	*	5270	109.91	-	-	102.21	32.12	8.12	32.54	195	180	A	V
		5353.92	60.08	-13.92	74	52.17	32.22	8.23	32.54	195	180	P	V
		5355.6	52.77	-1.23	54	44.86	32.22	8.23	32.54	195	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)
		5110.5	52.94	-21.06	74	45.57	31.94	7.96	32.53	189	183	P	H
		5146.64	45.07	-8.93	54	37.69	31.98	7.94	32.54	189	183	A	H
	*	5300	112.92	-	-	105.12	32.16	8.18	32.54	189	183	P	H
	*	5300	106.75	-	-	98.95	32.16	8.18	32.54	189	183	A	H
		5356.08	60.41	-13.59	74	52.5	32.22	8.23	32.54	189	183	P	H
		5350.32	53.89	-0.11	54	45.98	32.22	8.23	32.54	189	183	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 60		5130.52	54.19	-19.81	74	46.83	31.96	7.94	32.54	223	183	P	V
5300MHz		5148.2	46.84	-7.16	54	39.46	31.98	7.94	32.54	223	183	A	V
	*	5300	113.54	-	-	105.74	32.16	8.18	32.54	223	183	P	V
	*	5300	107.06	-	-	99.26	32.16	8.18	32.54	223	183	A	V
		5355.6	56.33	-17.67	74	48.42	32.22	8.23	32.54	223	183	P	V
		5350.32	50.7	-3.3	54	42.79	32.22	8.23	32.54	223	183	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.

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)
		5147.68	48.8	-25.2	74	41.42	31.98	7.94	32.54	212	182	P	H
		5137.02	41.4	-12.6	54	34.04	31.96	7.94	32.54	212	182	A	H
	*	5325	94.74	-	-	86.87	32.18	8.23	32.54	212	182	P	H
	*	5325	89.11	-	-	81.24	32.18	8.23	32.54	212	182	A	H
		5350.08	60.24	-13.76	74	52.33	32.22	8.23	32.54	212	182	P	H
		5350.32	53.19	-0.81	54	45.28	32.22	8.23	32.54	212	182	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 65		5105.56	49.85	-24.15	74	42.48	31.94	7.96	32.53	211	183	P	V
5325MHz		5141.96	42.53	-11.47	54	35.15	31.98	7.94	32.54	211	183	A	V
	*	5325	95.85	-	-	87.98	32.18	8.23	32.54	211	183	P	V
	*	5325	89.39	-	-	81.52	32.18	8.23	32.54	211	183	A	V
		5350.08	59.05	-14.95	74	51.14	32.22	8.23	32.54	211	183	P	V
		5350.08	50.88	-3.12	54	42.97	32.22	8.23	32.54	211	183	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 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	44.98	-29.02	74	49.86	39.93	12.08	56.89	100	0	P	H
		15810	42.24	-31.76	74	47.43	37.6	14.83	57.62	100	0	P	H
802.11ac													H
VHT40													H
CH 54		10540	45.5	-28.5	74	50.38	39.93	12.08	56.89	100	0	P	V
5270MHz		15810	41.12	-32.88	74	46.31	37.6	14.83	57.62	100	0	P	V
													V
													V
		10600	42.57	-31.43	74	55.66	39.98	12.11	65.18	100	0	P	H
		15900	39.48	-34.52	74	51.93	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VHT40													H
CH 60		10600	42.48	-31.52	74	55.57	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	40.73	-33.27	74	53.18	37.47	14.85	64.77	100	0	P	V
													V
													V
		10650	42.21	-31.79	74	55.23	40.02	12.13	65.17	100	0	P	H
		15975	38.5	-35.5	74	51.26	37.33	14.87	64.96	100	0	P	H
802.11ac													H
VHT40													H
CH 65		10650	43.28	-30.72	74	56.3	40.02	12.13	65.17	100	0	P	V
5325MHz		15975	39.44	-34.56	74	52.2	37.33	14.87	64.96	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)
		5134.94	53.25	-20.75	74	45.89	31.96	7.94	32.54	202	179	P	H
		5147.42	45.18	-8.82	54	37.8	31.98	7.94	32.54	202	179	A	H
	*	5275	115.07	-	-	107.37	32.12	8.12	32.54	202	179	P	H
	*	5275	108.6	-	-	100.9	32.12	8.12	32.54	202	179	A	H
		5388.96	59.83	-14.17	74	51.83	32.26	8.29	32.55	202	179	P	H
		5350.56	53.45	-0.55	54	45.54	32.22	8.23	32.54	202	179	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 55		5124.28	51.85	-22.15	74	44.49	31.96	7.94	32.54	233	173	P	V
5275MHz		5149.24	45.32	-8.68	54	37.94	31.98	7.94	32.54	233	173	A	V
	*	5275	115.06	-	-	107.36	32.12	8.12	32.54	233	173	P	V
	*	5275	108.46	-	-	100.76	32.12	8.12	32.54	233	173	A	V
		5363.76	57.93	-16.07	74	49.94	32.24	8.29	32.54	233	173	P	V
		5354.64	49.81	-4.19	54	41.9	32.22	8.23	32.54	233	173	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)
		5075.14	49.53	-24.47	74	42.17	31.9	7.99	32.53	190	183	P	H
		5099.32	41.52	-12.48	54	34.17	31.92	7.96	32.53	190	183	A	H
	*	5300	107.44	-	-	99.64	32.16	8.18	32.54	190	183	P	H
	*	5300	100.93	-	-	93.13	32.16	8.18	32.54	190	183	A	H
		5350.08	60.08	-13.92	74	52.17	32.22	8.23	32.54	190	183	P	H
		5350.56	52.73	-1.27	54	44.82	32.22	8.23	32.54	190	183	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 60		5092.82	51.01	-22.99	74	43.66	31.92	7.96	32.53	238	182	P	V
5300MHz		5146.38	42.27	-11.73	54	34.89	31.98	7.94	32.54	238	182	A	V
	*	5300	106.85	-	-	99.05	32.16	8.18	32.54	238	182	P	V
	*	5300	101	-	-	93.2	32.16	8.18	32.54	238	182	A	V
		5356.56	58.48	-15.52	74	50.57	32.22	8.23	32.54	238	182	P	V
		5350.08	50.79	-3.21	54	42.88	32.22	8.23	32.54	238	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.

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)
		5093.08	49.17	-24.83	74	41.82	31.92	7.96	32.53	200	179	P	H
		5115.18	41.17	-12.83	54	33.8	31.94	7.96	32.53	200	179	A	H
	*	5320	94.21	-	-	86.39	32.18	8.18	32.54	200	179	P	H
	*	5320	88.82	-	-	81	32.18	8.18	32.54	200	179	A	H
		5350.08	60.39	-13.61	74	52.48	32.22	8.23	32.54	200	179	P	H
		5350.08	53.49	-0.51	54	45.58	32.22	8.23	32.54	200	179	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 64		5144.82	51.25	-22.75	74	43.87	31.98	7.94	32.54	223	179	P	V
5320MHz		5148.98	42.1	-11.9	54	34.72	31.98	7.94	32.54	223	179	A	V
	*	5320	95.08	-	-	87.26	32.18	8.18	32.54	223	179	P	V
	*	5320	88.97	-	-	81.15	32.18	8.18	32.54	223	179	A	V
		5351.04	57.84	-16.16	74	49.93	32.22	8.23	32.54	223	179	P	V
		5350.8	50.27	-3.73	54	42.36	32.22	8.23	32.54	223	179	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 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	45.95	-28.05	74	50.82	39.94	12.08	56.89	100	0	P	H
		15825	42.06	-31.94	74	47.23	37.58	14.83	57.58	100	0	P	H
802.11ac													H
VHT50													H
CH 55		10550	45.84	-28.16	74	50.71	39.94	12.08	56.89	100	0	P	V
5275MHz		15825	42.85	-31.15	74	48.02	37.58	14.83	57.58	100	0	P	V
													V
													V
		10600	43.2	-30.8	74	56.29	39.98	12.11	65.18	100	0	P	H
		15900	38.79	-35.21	74	51.24	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VHT50													H
CH 60		10600	42.21	-31.79	74	55.3	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	39.82	-34.18	74	52.27	37.47	14.85	64.77	100	0	P	V
													V
													V
		10640	41.83	-32.17	74	54.86	40.01	12.13	65.17	100	0	P	H
		15960	39.87	-34.13	74	52.56	37.36	14.87	64.92	100	0	P	H
802.11ac													H
VHT50													H
CH 64		10640	42.45	-31.55	74	55.48	40.01	12.13	65.17	100	0	P	V
5320MHz		15960	39.26	-34.74	74	51.95	37.36	14.87	64.92	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)
		5136.76	50.18	-23.82	74	42.82	31.96	7.94	32.54	186	176	P	H
		5149.76	42.03	-11.97	54	34.65	31.98	7.94	32.54	186	176	A	H
	*	5280	108.94	-	-	101.22	32.14	8.12	32.54	186	176	P	H
	*	5280	102.11	-	-	94.39	32.14	8.12	32.54	186	176	A	H
		5357.28	58.96	-15.04	74	51.05	32.22	8.23	32.54	186	176	P	H
		5350.32	53.14	-0.86	54	45.23	32.22	8.23	32.54	186	176	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 56		5146.12	52.85	-21.15	74	45.47	31.98	7.94	32.54	224	177	P	V
5280MHz		5149.24	45.69	-8.31	54	38.31	31.98	7.94	32.54	224	177	A	V
	*	5280	109.23	-	-	101.51	32.14	8.12	32.54	224	177	P	V
	*	5280	101.75	-	-	94.03	32.14	8.12	32.54	224	177	A	V
		5350.32	57.12	-16.88	74	49.21	32.22	8.23	32.54	224	177	P	V
		5350.32	50.95	-3.05	54	43.04	32.22	8.23	32.54	224	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)
		5142.22	49.81	-24.19	74	42.43	31.98	7.94	32.54	193	186	P	H
		5104	41.5	-12.5	54	34.15	31.92	7.96	32.53	193	186	A	H
	*	5300	104.02	-	-	96.22	32.16	8.18	32.54	193	186	P	H
	*	5300	98.37	-	-	90.57	32.16	8.18	32.54	193	186	A	H
		5353.2	60.46	-13.54	74	52.55	32.22	8.23	32.54	193	186	P	H
		5351.52	53.11	-0.89	54	45.2	32.22	8.23	32.54	193	186	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 60		5142.22	51.22	-22.78	74	43.84	31.98	7.94	32.54	229	181	P	V
5300MHz		5138.06	42.38	-11.62	54	35.02	31.96	7.94	32.54	229	181	A	V
	*	5300	104.23	30.23	74	96.43	32.16	8.18	32.54	229	181	P	V
	*	5300	98.18	-	-	90.38	32.16	8.18	32.54	229	181	A	V
		5353.2	58.64	-	-	50.73	32.22	8.23	32.54	229	181	P	V
		5350.32	52.34	-1.66	54	44.43	32.22	8.23	32.54	229	181	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.

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)
		5113.36	50.35	-23.65	74	42.98	31.94	7.96	32.53	203	187	P	H
		5080.86	41.5	-12.5	54	34.14	31.9	7.99	32.53	203	187	A	H
	*	5315	91.93	-	-	84.11	32.18	8.18	32.54	203	187	P	H
	*	5315	85.93	-	-	78.11	32.18	8.18	32.54	203	187	A	H
		5350.56	59.63	-14.37	74	51.72	32.22	8.23	32.54	203	187	P	H
		5350.08	53.42	-0.58	54	45.51	32.22	8.23	32.54	203	187	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 63		5115.7	49.19	-24.81	74	41.82	31.94	7.96	32.53	211	179	P	V
5315MHz		5144.82	42.43	-11.57	54	35.05	31.98	7.94	32.54	211	179	A	V
	*	5315	91.62	-	-	83.8	32.18	8.18	32.54	211	179	P	V
	*	5315	86.14	-	-	78.32	32.18	8.18	32.54	211	179	A	V
		5350.08	59.14	-14.86	74	51.23	32.22	8.23	32.54	211	179	P	V
		5350.08	49.36	-4.64	54	41.45	32.22	8.23	32.54	211	179	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 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	45.63	-28.37	74	50.48	39.94	12.1	56.89	100	0	P	H
		15840	43.3	-30.7	74	48.45	37.55	14.84	57.54	100	0	P	H
802.11ac													H
VHT60													H
CH 56		10560	45.86	-28.14	74	50.71	39.94	12.1	56.89	100	0	P	V
5280MHz		15840	41.43	-32.57	74	46.58	37.55	14.84	57.54	100	0	P	V
													V
													V
		10600	42.52	-31.48	74	55.61	39.98	12.11	65.18	100	0	P	H
		15900	39.06	-34.94	74	51.51	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VHT60													H
CH 60		10600	42.99	-31.01	74	56.08	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	40	-34	74	52.45	37.47	14.85	64.77	100	0	P	V
													V
													V
		10630	43.11	-30.89	74	56.18	40	12.11	65.18	100	0	P	H
		15945	39.24	-34.76	74	51.89	37.38	14.86	64.89	100	0	P	H
802.11ac													H
VHT60													H
CH 63		10630	43.35	-30.65	74	56.42	40	12.11	65.18	100	0	P	V
5315MHz		15945	39.45	-34.55	74	52.1	37.38	14.86	64.89	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)
		5137.54	49.6	-24.4	74	42.24	31.96	7.94	32.54	199	179	P	H
		5125.06	42.55	-11.45	54	35.19	31.96	7.94	32.54	199	179	A	H
	*	5290	102.54	-	-	94.76	32.14	8.18	32.54	199	179	P	H
	*	5290	94.2	-	-	86.42	32.14	8.18	32.54	199	179	A	H
		5351.04	61.48	-12.52	74	53.57	32.22	8.23	32.54	199	179	P	H
		5350.56	53.45	-0.55	54	45.54	32.22	8.23	32.54	199	179	A	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 58		5136.76	49.42	-24.58	74	42.06	31.96	7.94	32.54	212	177	P	V
5290MHz		5104.52	43.43	-10.57	54	36.08	31.92	7.96	32.53	212	177	A	V
	*	5290	100.43	-	-	92.65	32.14	8.18	32.54	212	177	P	V
	*	5290	92.87	-	-	85.09	32.14	8.18	32.54	212	177	A	V
		5350.08	56.35	-17.65	74	48.44	32.22	8.23	32.54	212	177	P	V
		5350.8	51.12	-2.88	54	43.21	32.22	8.23	32.54	212	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)
		5065.52	50.95	-23.05	74	43.61	31.88	7.99	32.53	197	182	P	H
		5141.44	41.45	-12.55	54	34.07	31.98	7.94	32.54	197	182	A	H
	*	5300	95.65	-	-	87.85	32.16	8.18	32.54	197	182	P	H
	*	5300	90.76	-	-	82.96	32.16	8.18	32.54	197	182	A	H
		5352	60.16	-13.84	74	52.25	32.22	8.23	32.54	197	182	P	H
		5350.08	52.91	-1.09	54	45	32.22	8.23	32.54	197	182	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 60		5107.38	50.18	-23.82	74	42.81	31.94	7.96	32.53	234	180	P	V
5300MHz		5132.34	42.43	-11.57	54	35.07	31.96	7.94	32.54	234	180	A	V
	*	5300	93.89	-	-	86.09	32.16	8.18	32.54	234	180	P	V
	*	5300	88.47	-	-	80.67	32.16	8.18	32.54	234	180	A	V
		5350.8	57.82	-16.18	74	49.91	32.22	8.23	32.54	234	180	P	V
		5350.08	48.54	-5.46	54	40.63	32.22	8.23	32.54	234	180	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.

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	49.39	-24.61	74	42.03	31.96	7.94	32.54	197	182	P	H
		5109.46	42.97	-11.03	54	35.6	31.94	7.96	32.53	197	182	A	H
	*	5305	90.3	-	-	82.5	32.16	8.18	32.54	197	182	P	H
	*	5305	84.95	-	-	77.15	32.16	8.18	32.54	197	182	A	H
		5351.76	58.21	-15.79	74	50.3	32.22	8.23	32.54	197	182	P	H
		5350.56	53.27	-0.73	54	45.36	32.22	8.23	32.54	197	182	A	H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 61		5132.34	49.98	-24.02	74	42.62	31.96	7.94	32.54	228	182	P	V
5305MHz		5119.86	43.36	-10.64	54	36	31.94	7.96	32.54	228	182	A	V
	*	5305	90.46	-	-	82.66	32.16	8.18	32.54	228	182	P	V
	*	5305	85.69	-	-	77.89	32.16	8.18	32.54	228	182	A	V
		5351.76	55.3	-18.7	74	47.39	32.22	8.23	32.54	228	182	P	V
		5350.56	50.5	-3.5	54	42.59	32.22	8.23	32.54	228	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 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	45.63	-28.37	74	50.44	39.97	12.1	56.88	100	0	P	H
		15870	41.45	-32.55	74	46.59	37.49	14.84	57.47	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	45.84	-28.16	74	50.65	39.97	12.1	56.88	100	0	P	V
5290MHz		15870	40.9	-33.1	74	46.04	37.49	14.84	57.47	100	0	P	V
													V
													V
		10600	42.19	-31.81	74	55.28	39.98	12.11	65.18	100	0	P	H
		15900	38.89	-35.11	74	51.34	37.47	14.85	64.77	100	0	P	H
802.11ac													H
VHT80													H
CH 60		10600	42.39	-31.61	74	55.48	39.98	12.11	65.18	100	0	P	V
5300MHz		15900	38.72	-35.28	74	51.17	37.47	14.85	64.77	100	0	P	V
													V
													V
		10610	42.29	-31.71	74	55.38	39.98	12.11	65.18	100	0	P	H
		15915	39.36	-34.64	74	51.88	37.44	14.85	64.81	100	0	P	H
802.11ac													H
VHT80													H
CH 61		10610	41.85	-32.15	74	54.94	39.98	12.11	65.18	100	0	P	V
5305MHz		15915	39.92	-34.08	74	52.44	37.44	14.85	64.81	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)
		5382.32	61.19	-12.81	74	53.19	32.26	8.29	32.55	207	173	P	H
		5469.84	65.74	-2.46	68.2	57.64	32.36	8.29	32.55	207	173	P	H
		5455.92	52.65	-1.35	54	44.57	32.34	8.29	32.55	207	173	A	H
	*	5480	114.75	-	-	106.63	32.38	8.29	32.55	207	173	P	H
	*	5480	107.97	-	-	99.85	32.38	8.29	32.55	207	173	A	H
													H
													H
													H
802.11ac													H
VTH10													H
CH 96		5444.08	56.38	-17.62	74	48.32	32.32	8.29	32.55	227	176	P	V
5480MHz		5469.84	66.49	-1.71	68.2	58.39	32.36	8.29	32.55	227	176	P	V
		5458.96	48.74	-5.26	54	40.66	32.34	8.29	32.55	227	176	A	V
	*	5480	116.2	-	-	108.08	32.38	8.29	32.55	227	176	P	V
	*	5480	109.33	-	-	101.21	32.38	8.29	32.55	227	176	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)
		5350.72	60.43	-13.57	74	52.52	32.22	8.23	32.54	197	176	P	H
		5459.92	59.72	-14.28	74	51.64	32.34	8.29	32.55	197	176	P	H
		5356.24	52.63	-1.37	54	44.72	32.22	8.23	32.54	197	176	A	H
	*	5600	118.55	-	-	110.48	32.46	8.2	32.59	197	176	P	H
	*	5600	111.65	-	-	103.58	32.46	8.2	32.59	197	176	A	H
		5742.6	58.21	-9.99	68.2	49.99	32.54	8.33	32.65	197	176	P	H
													H
													H
802.11ac													H
VTH10													H
CH 120		5358.16	60.32	-13.68	74	52.41	32.22	8.23	32.54	195	176	P	V
5600MHz		5470	58.34	-9.86	68.2	50.24	32.36	8.29	32.55	195	176	P	V
		5351.44	51.98	-2.02	54	44.07	32.22	8.23	32.54	195	176	A	V
	*	5600	119.14	-	-	111.07	32.46	8.2	32.59	195	176	P	V
	*	5600	112.91	-	-	104.84	32.46	8.2	32.59	195	176	A	V
		5732.625	60.52	-7.68	68.2	52.31	32.53	8.33	32.65	195	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)
	*	5715	111.31	-	-	103.13	32.52	8.3	32.64	203	175	P	H
	*	5715	104.72	-	-	96.54	32.52	8.3	32.64	203	175	A	H
		5725.48	67.54	-0.66	68.2	59.32	32.53	8.33	32.64	203	175	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ac VTH10 CH 143 5715MHz	*	5715	114.01	-	-	105.83	32.52	8.3	32.64	204	177	P	V
	*	5715	106.6	-	-	98.42	32.52	8.3	32.64	204	177	A	V
		5725.4	67.34	-0.86	68.2	59.12	32.53	8.33	32.64	204	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 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	39.95	-34.05	74	52.51	40.27	12.28	65.11	100	0	P	H
		16440	39.8	-28.4	68.2	51.09	38.6	15.2	65.09	100	0	P	H
802.11ac													H
VTH10													H
CH 96		10960	42.78	-31.22	74	55.34	40.27	12.28	65.11	100	0	P	V
5480MHz		16440	37.42	-30.78	68.2	48.71	38.6	15.2	65.09	100	0	P	V
													V
													V
		11200	39.72	-34.28	74	52.34	40.18	12.42	65.22	100	0	P	H
		16800	40.77	-27.43	68.2	50.51	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VTH10													H
CH 120		11200	42.22	-31.78	74	54.84	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	41.17	-27.03	68.2	50.91	39.74	15.33	64.81	100	0	P	V
													V
													V
		11430	38.02	-35.98	74	50.81	40.04	12.53	65.36	100	0	P	H
		17145	41.83	-26.37	68.2	49.88	40.82	15.52	64.39	100	0	P	H
802.11ac													H
VTH10													H
CH 143		11430	41.86	-32.14	74	54.65	40.04	12.53	65.36	100	0	P	V
5715MHz		17145	41.91	-26.29	68.2	49.96	40.82	15.52	64.39	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)
		5378.16	54.3	-19.7	74	46.3	32.26	8.29	32.55	214	170	P	H
		5469.52	66.22	-1.98	68.2	58.12	32.36	8.29	32.55	214	170	P	H
		5458.48	46.3	-7.7	54	38.22	32.34	8.29	32.55	214	170	A	H
	*	5485	109.03	-	-	100.91	32.38	8.29	32.55	214	170	P	H
	*	5485	102.57	-	-	94.45	32.38	8.29	32.55	214	170	A	H
													H
													H
													H
802.11ac													H
VHT20													H
CH 97		5372.08	55.09	-18.91	74	47.1	32.24	8.29	32.54	210	173	P	V
5485MHz		5470	65.08	-3.12	68.2	56.98	32.36	8.29	32.55	210	173	P	V
		5350.8	48.06	-5.94	54	40.15	32.22	8.23	32.54	210	173	A	V
	*	5485	110.24	-	-	102.12	32.38	8.29	32.55	210	173	P	V
	*	5485	102.23	-	-	94.11	32.38	8.29	32.55	210	173	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)
		5446.48	59.38	-14.62	74	51.3	32.34	8.29	32.55	205	175	P	H
		5461.12	58.47	-9.73	68.2	50.39	32.34	8.29	32.55	205	175	P	H
		5354.32	51.31	-2.69	54	43.4	32.22	8.23	32.54	205	175	A	H
	*	5600	116.56	-	-	108.49	32.46	8.2	32.59	205	175	P	H
	*	5600	109.92	-	-	101.85	32.46	8.2	32.59	205	175	A	H
		5728.425	57.01	-11.19	68.2	48.79	32.53	8.33	32.64	205	175	P	H
													H
													H
802.11ac													H
VHT20													H
CH 120		5351.92	58.99	-15.01	74	51.08	32.22	8.23	32.54	217	178	P	V
5600MHz		5467.36	56.72	-11.48	68.2	48.62	32.36	8.29	32.55	217	178	P	V
		5355.52	50.78	-3.22	54	42.87	32.22	8.23	32.54	217	178	A	V
	*	5600	117.14	-	-	109.07	32.46	8.2	32.59	217	178	P	V
	*	5600	110.61	-	-	102.54	32.46	8.2	32.59	217	178	A	V
		5737	60.57	-7.63	68.2	52.35	32.54	8.33	32.65	217	178	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	106.84	-	-	98.66	32.52	8.3	32.64	215	176	P	H
	*	5710	99.76	-	-	91.58	32.52	8.3	32.64	215	176	A	H
		5725.16	66.79	-1.41	68.2	58.57	32.53	8.33	32.64	215	176	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT20													H
CH 142	*	5710	108.15	-	-	99.97	32.52	8.3	32.64	207	176	P	V
5710MHz	*	5710	101.54	-	-	93.36	32.52	8.3	32.64	207	176	A	V
		5726.2	67.14	-1.06	68.2	58.92	32.53	8.33	32.64	207	176	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	39.47	-34.53	74	52.03	40.27	12.28	65.11	100	0	P	H
		16455	38.62	-29.58	68.2	49.86	38.65	15.2	65.09	100	0	P	H
802.11ac													H
VHT20													H
CH 97		10970	42.24	-31.76	74	54.8	40.27	12.28	65.11	100	0	P	V
5485MHz		16455	37.8	-30.4	68.2	49.04	38.65	15.2	65.09	100	0	P	V
													V
													V
		11200	41.51	-32.49	74	54.13	40.18	12.42	65.22	100	0	P	H
		16800	41.34	-26.86	68.2	51.08	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VHT20													H
CH 120		11200	43.25	-30.75	74	55.87	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	39.23	-28.97	68.2	48.97	39.74	15.33	64.81	100	0	P	V
													V
													V
		11420	42.72	-31.28	74	55.49	40.05	12.53	65.35	100	0	P	H
		17130	44.17	-24.03	68.2	52.29	40.77	15.52	64.41	100	0	P	H
802.11ac													H
VHT20													H
CH 142		11420	41.83	-32.17	74	54.6	40.05	12.53	65.35	100	0	P	V
5710MHz		17130	45.7	-22.5	68.2	53.82	40.77	15.52	64.41	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 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)
		5397.04	53.06	-20.94	74	45.04	32.28	8.29	32.55	208	165	P	H
		5470	67.16	-1.04	68.2	59.06	32.36	8.29	32.55	208	165	P	H
		5459.68	46.25	-7.75	54	38.17	32.34	8.29	32.55	208	165	A	H
	*	5490	104.12	-	-	96	32.38	8.29	32.55	208	165	P	H
	*	5490	97.67	-	-	89.55	32.38	8.29	32.55	208	165	A	H
		5754.85	51.61	-16.59	68.2	43.37	32.56	8.33	32.65	208	165	P	H
													H
													H
802.11ac													H
VHT30													H
CH 98		5354.08	51.77	-22.23	74	43.86	32.22	8.23	32.54	199	176	P	V
5490MHz		5470	67.62	-0.58	68.2	59.52	32.36	8.29	32.55	199	176	P	V
		5459.92	44.96	-9.04	54	36.88	32.34	8.29	32.55	199	176	A	V
	*	5490	103.71	-	-	95.59	32.38	8.29	32.55	199	176	P	V
	*	5490	96.57	-	-	88.45	32.38	8.29	32.55	199	176	A	V
		5755.725	52.48	-15.72	68.2	44.24	32.56	8.33	32.65	199	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)
		5357.2	60.1	-13.9	74	52.19	32.22	8.23	32.54	188	175	P	H
		5467.84	57.85	-10.35	68.2	49.75	32.36	8.29	32.55	188	175	P	H
		5355.04	52.26	-1.74	54	44.35	32.22	8.23	32.54	188	175	A	H
	*	5600	115.33	-	-	107.26	32.46	8.2	32.59	188	175	P	H
	*	5600	110.38	-	-	102.31	32.46	8.2	32.59	188	175	A	H
		5735.425	56.52	-11.68	68.2	48.3	32.54	8.33	32.65	188	175	P	H
													H
													H
802.11ac													H
VHT30													H
CH 120		5375.44	59.87	-14.13	74	51.89	32.24	8.29	32.55	216	175	P	V
5600MHz		5470	56.43	-11.77	68.2	48.33	32.36	8.29	32.55	216	175	P	V
		5354.32	51.86	-2.14	54	43.95	32.22	8.23	32.54	216	175	A	V
	*	5600	116.23	-	-	108.16	32.46	8.2	32.59	216	175	P	V
	*	5600	111.25	-	-	103.18	32.46	8.2	32.59	216	175	A	V
		5732.1	59.56	-8.64	68.2	51.35	32.53	8.33	32.65	216	175	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)
		5383.12	52.96	-21.04	74	44.96	32.26	8.29	32.55	182	175	P	H
		5467.84	52.54	-15.66	68.2	44.44	32.36	8.29	32.55	182	175	P	H
		5407.6	46.01	-7.99	54	37.99	32.28	8.29	32.55	182	175	A	H
	*	5705	101.16	-	-	92.98	32.52	8.3	32.64	182	175	P	H
	*	5705	95.45	-	-	87.27	32.52	8.3	32.64	182	175	A	H
		5725	67.4	-0.8	68.2	59.18	32.53	8.33	32.64	182	175	P	H
													H
													H
802.11ac													H
VHT30													H
CH 141		5398.48	50.73	-23.27	74	42.71	32.28	8.29	32.55	208	176	P	V
5705MHz		5467.36	49.03	-19.17	68.2	40.93	32.36	8.29	32.55	208	176	P	V
		5352.88	43.95	-10.05	54	36.04	32.22	8.23	32.54	208	176	A	V
	*	5705	103.03	-	-	94.85	32.52	8.3	32.64	208	176	P	V
	*	5705	97.6	-	-	89.42	32.52	8.3	32.64	208	176	A	V
		5725.275	67.31	-0.89	68.2	59.09	32.53	8.33	32.64	208	176	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	44.14	-29.86	74	56.67	40.29	12.28	65.1	100	0	P	H
		16470	41	-27.2	68.2	52.19	38.7	15.2	65.09	100	0	P	H
802.11ac													H
VHT30													H
CH 98		10980	44.3	-29.7	74	56.83	40.29	12.28	65.1	100	0	P	V
5490MHz		16470	40.42	-27.78	68.2	51.61	38.7	15.2	65.09	100	0	P	V
													V
													V
		11200	43.51	-30.49	74	56.13	40.18	12.42	65.22	100	0	P	H
		16800	41.67	-26.53	68.2	51.41	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VHT30													H
CH 120		11200	43.1	-30.9	74	55.72	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	42.49	-25.71	68.2	52.23	39.74	15.33	64.81	100	0	P	V
													V
													V
		11410	43.56	-30.44	74	56.31	40.06	12.53	65.34	100	0	P	H
		17115	44.91	-23.29	68.2	53.1	40.73	15.52	64.44	100	0	P	H
802.11ac													H
VHT30													H
CH 141		11410	43.69	-30.31	74	56.44	40.06	12.53	65.34	100	0	P	V
5705MHz		17115	44.96	-23.24	68.2	53.15	40.73	15.52	64.44	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)
		5459.68	54.26	-19.74	74	46.18	32.34	8.29	32.55	187	178	P	H
		5469.52	67.73	-0.47	68.2	59.63	32.36	8.29	32.55	187	178	P	H
		5459.92	47.38	-6.62	54	39.3	32.34	8.29	32.55	187	178	A	H
	*	5495	103.57	-	-	95.45	32.38	8.29	32.55	187	178	P	H
	*	5495	95.91	-	-	87.79	32.38	8.29	32.55	187	178	A	H
		5729.475	51.53	-16.67	68.2	43.31	32.53	8.33	32.64	187	178	P	H
													H
													H
802.11ac													H
VHT40													H
CH 99		5458.72	54.61	-19.39	74	46.53	32.34	8.29	32.55	212	178	P	V
5495MHz		5470	64.04	-4.16	68.2	55.94	32.36	8.29	32.55	212	178	P	V
		5459.92	45.85	-8.15	54	37.77	32.34	8.29	32.55	212	178	A	V
	*	5495	101.97	-	-	93.85	32.38	8.29	32.55	212	178	P	V
	*	5495	96.01	-	-	87.89	32.38	8.29	32.55	212	178	A	V
		5763.425	51.35	-16.85	68.2	43.1	32.56	8.35	32.66	212	178	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)
		5393.68	58.83	-15.17	74	50.83	32.26	8.29	32.55	186	175	P	H
		5464	57.93	-10.27	68.2	49.83	32.36	8.29	32.55	186	175	P	H
		5353.6	51.52	-2.48	54	43.61	32.22	8.23	32.54	186	175	A	H
	*	5600	115.77	-	-	107.7	32.46	8.2	32.59	186	175	P	H
	*	5600	109.22	-	-	101.15	32.46	8.2	32.59	186	175	A	H
		5731.75	56.85	-11.35	68.2	48.64	32.53	8.33	32.65	186	175	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 120		5401.36	58.19	-15.81	74	50.17	32.28	8.29	32.55	219	176	P	V
5600MHz		5461.12	57.02	-11.18	68.2	48.94	32.34	8.29	32.55	219	176	P	V
		5355.52	51.13	-2.87	54	43.22	32.22	8.23	32.54	219	176	A	V
	*	5600	115.69	-	-	107.62	32.46	8.2	32.59	219	176	P	V
	*	5600	109.36	-	-	101.29	32.46	8.2	32.59	219	176	A	V
		5732.275	60.14	-8.06	68.2	51.93	32.53	8.33	32.65	219	176	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.

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)
		5409.76	53.88	-20.12	74	45.86	32.28	8.29	32.55	190	175	P	H
		5462.08	51.77	-16.43	68.2	43.69	32.34	8.29	32.55	190	175	P	H
		5440	45.13	-8.87	54	37.07	32.32	8.29	32.55	190	175	A	H
	*	5700	100.76	-	-	92.58	32.51	8.3	32.63	190	175	P	H
	*	5700	94.26	-	-	86.08	32.51	8.3	32.63	190	175	A	H
		5725	66.54	-1.66	68.2	58.32	32.53	8.33	32.64	190	175	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT40													H
CH 140		5356.72	51.47	-22.53	74	43.56	32.22	8.23	32.54	220	175	P	V
5700MHz		5465.68	49.08	-19.12	68.2	40.98	32.36	8.29	32.55	220	175	P	V
		5360.56	43.33	-10.67	54	35.4	32.24	8.23	32.54	220	175	A	V
	*	5700	102.44	-	-	94.26	32.51	8.3	32.63	220	175	P	V
	*	5700	95.52	-	-	87.34	32.51	8.3	32.63	220	175	A	V
		5725.8	66.12	-2.08	68.2	57.9	32.53	8.33	32.64	220	175	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 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	42.81	-31.19	74	55.33	40.3	12.28	65.1	100	0	P	H
		16485	40.95	-27.25	68.2	52.07	38.75	15.23	65.1	100	0	P	H
802.11ac													H
VHT40													H
CH 99		10990	43.26	-30.74	74	55.78	40.3	12.28	65.1	100	0	P	V
5495MHz		16485	41.7	-26.5	68.2	52.82	38.75	15.23	65.1	100	0	P	V
													V
													V
		11200	42.89	-31.11	74	55.51	40.18	12.42	65.22	100	0	P	H
		16800	42.71	-25.49	68.2	52.45	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VHT40													H
CH 120		11200	43.41	-30.59	74	56.03	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	41.44	-26.76	68.2	51.18	39.74	15.33	64.81	100	0	P	V
													V
													V
		11400	43.42	-30.58	74	56.17	40.06	12.53	65.34	100	0	P	H
		17100	45.05	-23.15	68.2	53.35	40.68	15.48	64.46	100	0	P	H
802.11ac													H
VHT40													H
CH 140		11400	43.61	-30.39	74	56.36	40.06	12.53	65.34	100	0	P	V
5700MHz		17100	43.61	-24.59	68.2	51.91	40.68	15.48	64.46	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)
		5458.24	55.78	-18.22	74	47.7	32.34	8.29	32.55	204	172	P	H
		5469.04	67.09	-1.11	68.2	58.99	32.36	8.29	32.55	204	172	P	H
		5459.92	49.63	-4.37	54	41.55	32.34	8.29	32.55	204	172	A	H
	*	5500	102.93	-	-	94.79	32.4	8.29	32.55	204	172	P	H
	*	5500	96.66	-	-	88.52	32.4	8.29	32.55	204	172	A	H
		5757.3	51.3	-16.9	68.2	43.07	32.56	8.33	32.66	204	172	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 100		5459.92	52.75	-21.25	74	44.67	32.34	8.29	32.55	226	175	P	V
5500MHz		5470	66.23	-1.97	68.2	58.13	32.36	8.29	32.55	226	175	P	V
		5459.92	48.61	-5.39	54	40.53	32.34	8.29	32.55	226	175	A	V
	*	5500	103.16	-	-	95.02	32.4	8.29	32.55	226	175	P	V
	*	5500	96.74	-	-	88.6	32.4	8.29	32.55	226	175	A	V
		5755.725	51.34	-16.86	68.2	43.1	32.56	8.33	32.65	226	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)
		5368.24	59.98	-14.02	74	51.99	32.24	8.29	32.54	206	175	P	H
		5466.4	56.94	-11.26	68.2	48.84	32.36	8.29	32.55	206	175	P	H
		5352.16	52.1	-1.9	54	44.19	32.22	8.23	32.54	206	175	A	H
	*	5600	113.86	-	-	105.79	32.46	8.2	32.59	206	175	P	H
	*	5600	108.51	-	-	100.44	32.46	8.2	32.59	206	175	A	H
		5732.8	56.76	-11.44	68.2	48.55	32.53	8.33	32.65	206	175	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 120		5456.08	58.79	-15.21	74	50.71	32.34	8.29	32.55	218	174	P	V
5600MHz		5469.76	56.19	-12.01	68.2	48.09	32.36	8.29	32.55	218	174	P	V
		5355.52	51.38	-2.62	54	43.47	32.22	8.23	32.54	218	174	A	V
	*	5600	114.49	-	-	106.42	32.46	8.2	32.59	218	174	P	V
	*	5600	108.66	-	-	100.59	32.46	8.2	32.59	218	174	A	V
		5759.05	59.31	-8.89	68.2	51.08	32.56	8.33	32.66	218	174	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.

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)
		5352.4	53.21	-20.79	74	45.3	32.22	8.23	32.54	191	174	P	H
		5460.88	50.94	-17.26	68.2	42.86	32.34	8.29	32.55	191	174	P	H
		5440.24	45.6	-8.4	54	37.54	32.32	8.29	32.55	191	174	A	H
	*	5695	100.2	-	-	92.02	32.51	8.3	32.63	191	174	P	H
	*	5695	94.15	-	-	85.97	32.51	8.3	32.63	191	174	A	H
		5726.325	66.7	-1.5	68.2	58.48	32.53	8.33	32.64	191	174	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT50													H
CH 139		5363.44	50.73	-23.27	74	42.74	32.24	8.29	32.54	211	177	P	V
5695MHz		5462.8	48.36	-19.84	68.2	40.26	32.36	8.29	32.55	211	177	P	V
		5354.8	43.53	-10.47	54	35.62	32.22	8.23	32.54	211	177	A	V
	*	5695	101.37	-	-	93.19	32.51	8.3	32.63	211	177	P	V
	*	5695	95.55	-	-	87.37	32.51	8.3	32.63	211	177	A	V
		5725.45	66.56	-1.64	68.2	58.34	32.53	8.33	32.64	211	177	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 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	42.46	-31.54	74	54.96	40.3	12.3	65.1	100	0	P	H
		16500	40.78	-27.42	68.2	51.85	38.8	15.23	65.1	100	0	P	H
802.11ac													H
VHT50													H
CH 100		11000	43.52	-30.48	74	56.02	40.3	12.3	65.1	100	0	P	V
5500MHz		16500	41.78	-26.42	68.2	52.85	38.8	15.23	65.1	100	0	P	V
													V
													V
		11200	43.97	-30.03	74	56.59	40.18	12.42	65.22	100	0	P	H
		16800	42.34	-25.86	68.2	52.08	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VHT50													H
CH 120		11200	44.41	-29.59	74	57.03	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	41.75	-26.45	68.2	51.49	39.74	15.33	64.81	100	0	P	V
													V
													V
		11390	43.25	-30.75	74	56	40.07	12.51	65.33	100	0	P	H
		17085	44.07	-24.13	68.2	52.44	40.63	15.48	64.48	100	0	P	H
802.11ac													H
VHT50													H
CH 139		11390	43.58	-30.42	74	56.33	40.07	12.51	65.33	100	0	P	V
5695MHz		17085	43.73	-24.47	68.2	52.1	40.63	15.48	64.48	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	58.52	-15.48	74	50.44	32.34	8.29	32.55	210	176	P	H
		5469.52	67.69	-0.51	68.2	59.59	32.36	8.29	32.55	210	176	P	H
		5459.92	50.59	-3.41	54	42.51	32.34	8.29	32.55	210	176	A	H
	*	5505	99.28	-	-	91.15	32.4	8.29	32.56	210	176	P	H
	*	5505	93.86	-	-	85.73	32.4	8.29	32.56	210	176	A	H
		5726.675	50.88	-17.32	68.2	42.66	32.53	8.33	32.64	210	176	P	H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 101		5459.92	53.83	-20.17	74	45.75	32.34	8.29	32.55	199	176	P	V
5505MHz		5469.76	66.95	-1.25	68.2	58.85	32.36	8.29	32.55	199	176	P	V
		5459.68	48.19	-5.81	54	40.11	32.34	8.29	32.55	199	176	A	V
	*	5505	99.58	-	-	91.45	32.4	8.29	32.56	199	176	P	V
	*	5505	93.95	-	-	85.82	32.4	8.29	32.56	199	176	A	V
		5741.2	52.18	-16.02	68.2	43.96	32.54	8.33	32.65	199	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)
		5380.24	60.48	-13.52	74	52.48	32.26	8.29	32.55	201	178	P	H
		5461.84	57.72	-10.48	68.2	49.64	32.34	8.29	32.55	201	178	P	H
		5351.68	51.74	-2.26	54	43.83	32.22	8.23	32.54	201	178	A	H
	*	5600	113.45	-	-	105.38	32.46	8.2	32.59	201	178	P	H
	*	5600	107.72	-	-	99.65	32.46	8.2	32.59	201	178	A	H
		5763.6	56.54	-11.66	68.2	48.29	32.56	8.35	32.66	201	178	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 120		5355.28	58.08	-15.92	74	50.17	32.22	8.23	32.54	218	177	P	V
5600MHz		5466.4	56.62	-11.58	68.2	48.52	32.36	8.29	32.55	218	177	P	V
		5358.16	51.66	-2.34	54	43.75	32.22	8.23	32.54	218	177	A	V
	*	5600	113.18	-	-	105.11	32.46	8.2	32.59	218	177	P	V
	*	5600	107.64	-	-	99.57	32.46	8.2	32.59	218	177	A	V
		5735.25	60.28	-7.92	68.2	52.06	32.54	8.33	32.65	218	177	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.

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)
		5426.56	53.8	-20.2	74	45.76	32.3	8.29	32.55	206	174	P	H
		5463.76	50.96	-17.24	68.2	42.86	32.36	8.29	32.55	206	174	P	H
		5352.64	45.21	-8.79	54	37.3	32.22	8.23	32.54	206	174	A	H
	*	5690	99.41	-	-	91.23	32.51	8.3	32.63	206	174	P	H
	*	5690	92.42	-	-	84.24	32.51	8.3	32.63	206	174	A	H
		5725.275	67.56	-0.64	68.2	59.34	32.53	8.33	32.64	206	174	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT60													H
CH 138		5355.28	51.63	-22.37	74	43.72	32.22	8.23	32.54	205	175	P	V
5690MHz		5466.4	49.68	-18.52	68.2	41.58	32.36	8.29	32.55	205	175	P	V
		5354.56	43.46	-10.54	54	35.55	32.22	8.23	32.54	205	175	A	V
	*	5690	99.78	-	-	91.6	32.51	8.3	32.63	205	175	P	V
	*	5690	93.95	-	-	85.77	32.51	8.3	32.63	205	175	A	V
		5727.025	66.71	-1.49	68.2	58.49	32.53	8.33	32.64	205	175	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 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	43.73	-30.27	74	56.25	40.29	12.3	65.11	100	0	P	H
		16515	41.33	-26.87	68.2	52.31	38.86	15.24	65.08	100	0	P	H
802.11ac													H
VHT60													H
CH 101		11010	44.35	-29.65	74	56.87	40.29	12.3	65.11	100	0	P	V
5505MHz		16515	41.25	-26.95	68.2	52.23	38.86	15.24	65.08	100	0	P	V
													V
													V
		11200	44.22	-29.78	74	56.84	40.18	12.42	65.22	100	0	P	H
		16800	43.08	-25.12	68.2	52.82	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VHT60													H
CH 120		11200	43.98	-30.02	74	56.6	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	42.29	-25.91	68.2	52.03	39.74	15.33	64.81	100	0	P	V
													V
													V
		11380	43.63	-30.37	74	56.38	40.07	12.51	65.33	100	0	P	H
		17070	44.86	-23.34	68.2	53.35	40.59	15.43	64.51	100	0	P	H
802.11ac													H
VHT60													H
CH 138		11380	43.91	-30.09	74	56.66	40.07	12.51	65.33	100	0	P	V
5690MHz		17070	45.37	-22.83	68.2	53.86	40.59	15.43	64.51	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)
		5459.92	57.85	-16.15	74	49.77	32.34	8.29	32.55	189	181	P	H
		5469.04	64.91	-3.29	68.2	56.81	32.36	8.29	32.55	189	181	P	H
		5459.44	53.63	-0.37	54	45.55	32.34	8.29	32.55	189	181	A	H
	*	5515	96.76	-	-	88.62	32.41	8.29	32.56	189	181	P	H
	*	5515	91.27	-	-	83.13	32.41	8.29	32.56	189	181	A	H
		5744.35	50.53	-17.67	68.2	42.31	32.54	8.33	32.65	189	181	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 103		5458.48	57.6	-16.4	74	49.52	32.34	8.29	32.55	243	179	P	V
5515MHz		5468.8	63.09	-5.11	68.2	54.99	32.36	8.29	32.55	243	179	P	V
		5459.68	50.85	-3.15	54	42.77	32.34	8.29	32.55	243	179	A	V
	*	5515	96.51	-	-	88.37	32.41	8.29	32.56	243	179	P	V
	*	5515	91.75	-	-	83.61	32.41	8.29	32.56	243	179	A	V
		5728.425	51.45	-16.75	68.2	43.23	32.53	8.33	32.64	243	179	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)
		5419.84	59.21	-14.79	74	51.17	32.3	8.29	32.55	211	180	P	H
		5467.12	58.78	-9.42	68.2	50.68	32.36	8.29	32.55	211	180	P	H
		5421.52	53.67	-0.33	54	45.63	32.3	8.29	32.55	211	180	A	H
	*	5600	112.89	-	-	104.82	32.46	8.2	32.59	211	180	P	H
	*	5600	107.22	-	-	99.15	32.46	8.2	32.59	211	180	A	H
		5736.125	58.48	-9.72	68.2	50.26	32.54	8.33	32.65	211	180	P	H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 120		5352.4	58.65	-15.35	74	50.74	32.22	8.23	32.54	213	172	P	V
5600MHz		5468.56	57.93	-10.27	68.2	49.83	32.36	8.29	32.55	213	172	P	V
		5350.24	52.78	-1.22	54	44.87	32.22	8.23	32.54	213	172	A	V
	*	5600	112.03	-	-	103.96	32.46	8.2	32.59	213	172	P	V
	*	5600	107.74	-	-	99.67	32.46	8.2	32.59	213	172	A	V
		5727.375	59.83	-8.37	68.2	51.61	32.53	8.33	32.64	213	172	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.

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)
		5356.48	53.29	-20.71	74	45.38	32.22	8.23	32.54	186	179	P	H
		5463.76	53.27	-14.93	68.2	45.17	32.36	8.29	32.55	186	179	P	H
		5406.4	47.4	-6.6	54	39.38	32.28	8.29	32.55	186	179	A	H
	*	5680	101.65	-	-	93.51	32.5	8.27	32.63	186	179	P	H
	*	5680	97.31	-	-	89.17	32.5	8.27	32.63	186	179	A	H
		5725.8	67.72	-0.48	68.2	59.5	32.53	8.33	32.64	186	179	P	H
													H
													H
													H
													H
													H
													H
802.11ac VHT80 CH 136 5680MHz													H
		5378.08	50.71	-23.29	74	42.71	32.26	8.29	32.55	217	181	P	V
		5469.76	49.61	-18.59	68.2	41.51	32.36	8.29	32.55	217	181	P	V
		5357.2	45.26	-8.74	54	37.35	32.22	8.23	32.54	217	181	A	V
	*	5680	102.22	-	-	94.08	32.5	8.27	32.63	217	181	P	V
	*	5680	96.15	-	-	88.01	32.5	8.27	32.63	217	181	A	V
		5725.45	67.02	-1.18	68.2	58.8	32.53	8.33	32.64	217	181	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 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	44.03	-29.97	74	56.57	40.28	12.3	65.12	100	0	P	H
		16545	41.64	-26.56	68.2	52.56	38.91	15.24	65.07	100	0	P	H
802.11ac													H
VHT80													H
CH 103		11030	43.9	-30.1	74	56.44	40.28	12.3	65.12	100	0	P	V
5515MHz		16545	41.72	-26.48	68.2	52.64	38.91	15.24	65.07	100	0	P	V
													V
													V
		11200	43.95	-30.05	74	56.57	40.18	12.42	65.22	100	0	P	H
		16800	42.06	-26.14	68.2	51.8	39.74	15.33	64.81	100	0	P	H
802.11ac													H
VHT80													H
CH 120		11200	43.41	-30.59	74	56.03	40.18	12.42	65.22	100	0	P	V
5600MHz		16800	42.08	-26.12	68.2	51.82	39.74	15.33	64.81	100	0	P	V
													V
													V
		11370	44.01	-29.99	74	56.74	40.08	12.51	65.32	100	0	P	H
		17055	43.43	-24.77	68.2	51.99	40.54	15.43	64.53	100	0	P	H
802.11ac													H
VHT80													H
CH 136		11370	43.04	-30.96	74	55.77	40.08	12.51	65.32	100	0	P	V
5680MHz		17055	43.18	-25.02	68.2	51.74	40.54	15.43	64.53	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		81.84	23.05	-16.95	40	40.86	14.02	0.93	32.76	-	-	P	H
		98.31	21.67	-21.83	43.5	37.16	16.14	1.14	32.77	-	-	P	H
		122.88	26.24	-17.26	43.5	40.01	17.86	1.14	32.77	-	-	P	H
		414.8	35.64	-10.36	46	43.61	22.65	2.16	32.78	-	-	P	H
		519.8	32.63	-13.37	46	38.88	24.32	2.33	32.9	-	-	P	H
		874.7	36.88	-9.12	46	37.46	28.7	3.16	32.44	100	0	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT30		37.83	31.96	-8.04	40	42.44	21.62	0.65	32.75	100	0	P	V
LF		81.84	31.85	-8.15	40	49.66	14.02	0.93	32.76	-	-	P	V
		122.88	25.13	-18.37	43.5	38.9	17.86	1.14	32.77	-	-	P	V
		412.7	37.07	-8.93	46	45.07	22.62	2.16	32.78	-	-	P	V
		519.8	33.94	-12.06	46	40.19	24.32	2.33	32.9	-	-	P	V
		874.7	35.8	-10.2	46	36.38	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. 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 Plots

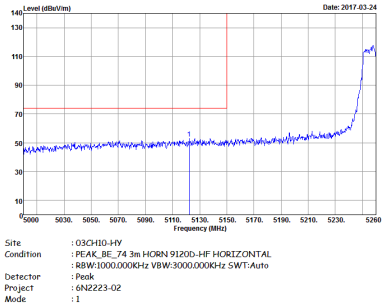
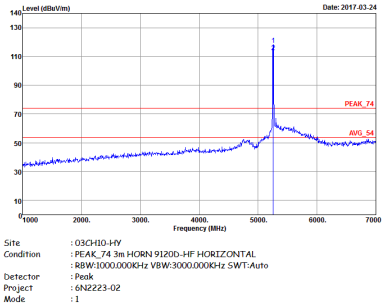
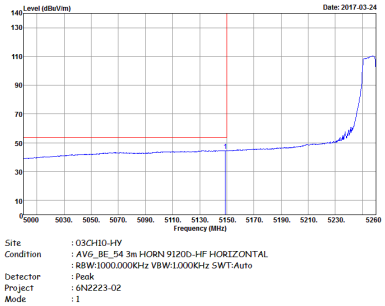
Test Engineer :	Tsung Lee, Stan Hsieh, and Kyle Chuang	**Temperature :**	22~24°C
		Relative Humidity :	46~48%

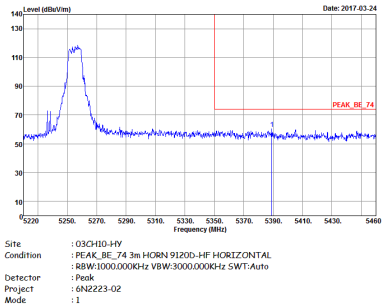
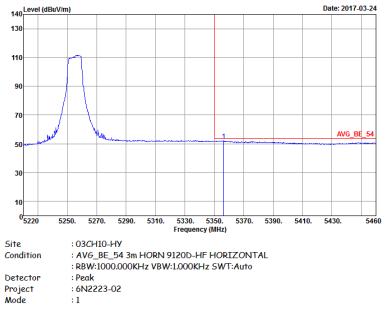
Note symbol

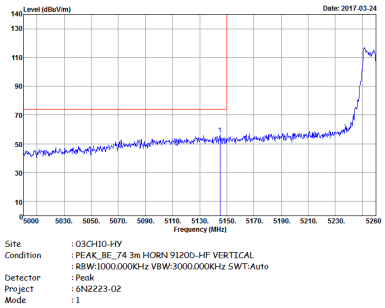
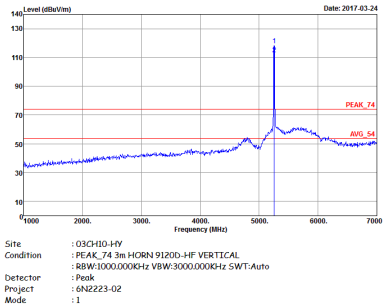
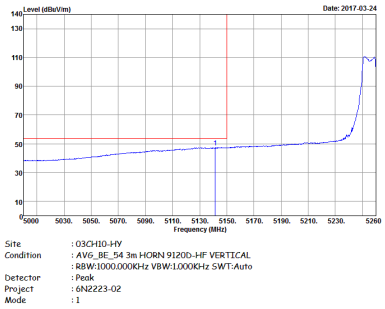
-L	**Low channel location**
-R	**High channel location**

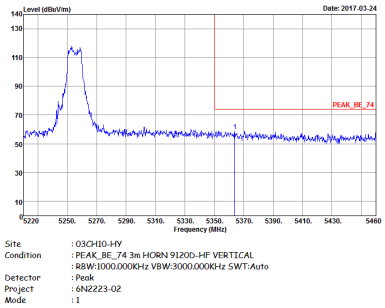
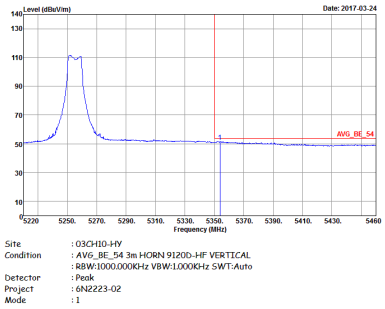
Band 2 - 5250~5350MHz

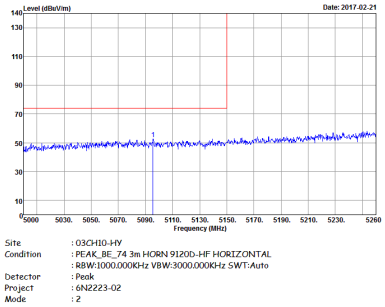
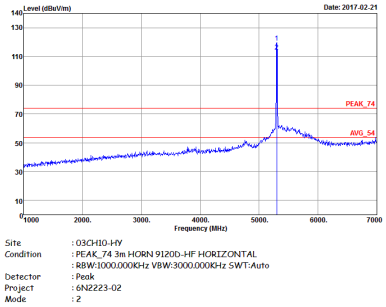
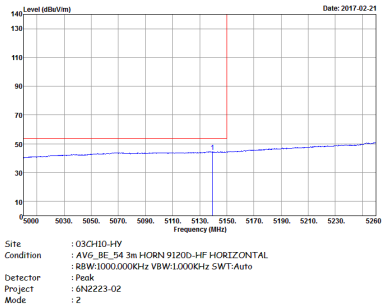
WIFI 802.11ac VHT10 (Band Edge @ 3m)

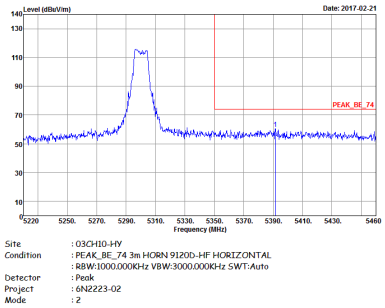
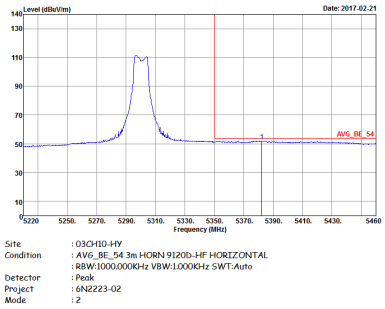
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

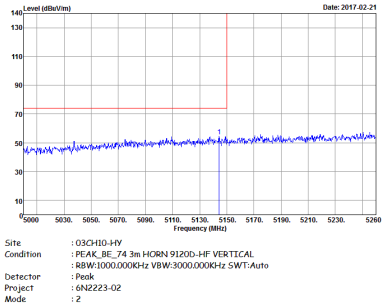
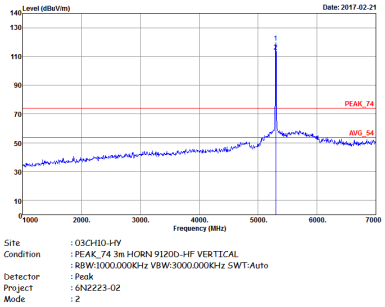
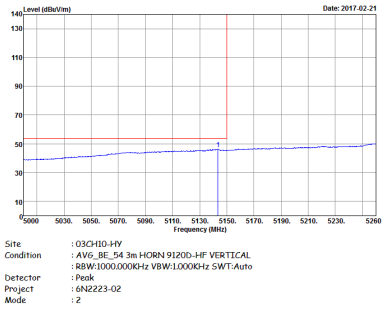
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

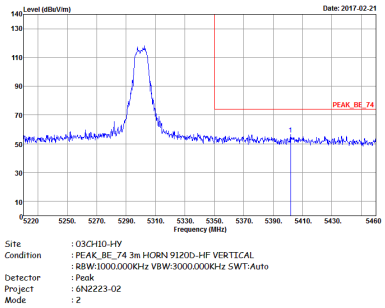
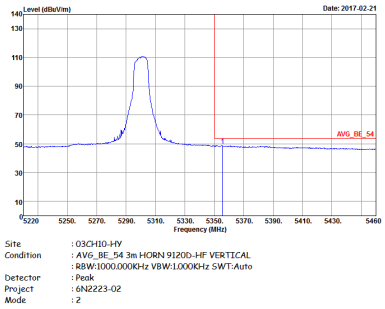
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

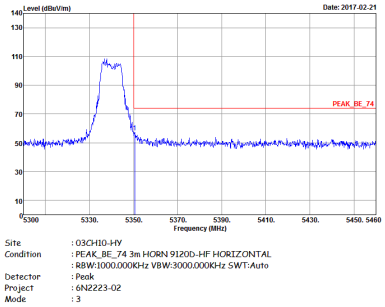
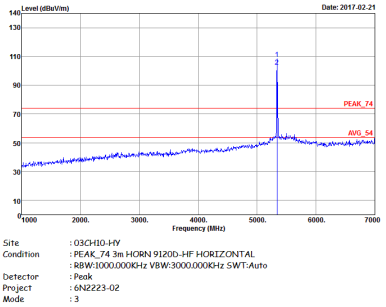
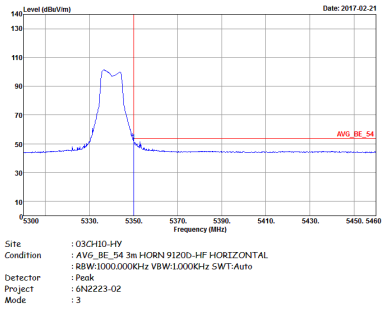
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

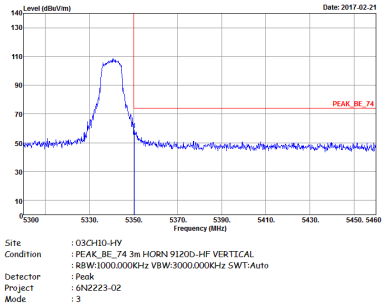
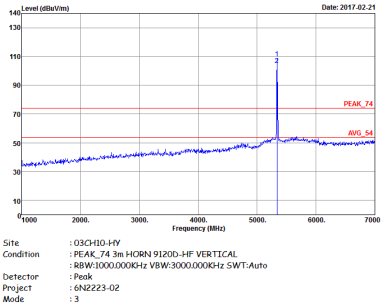
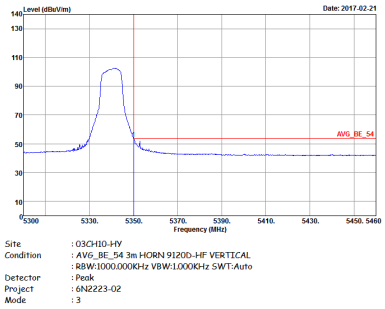
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

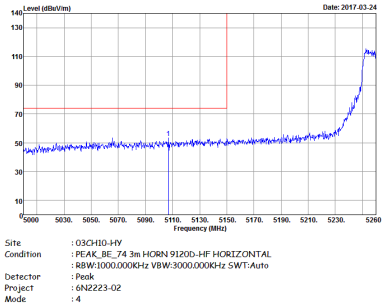
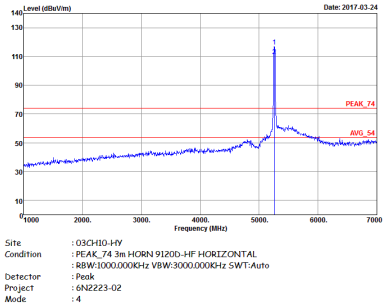
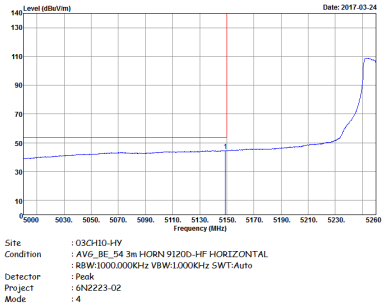
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

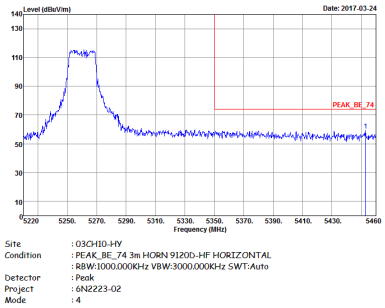
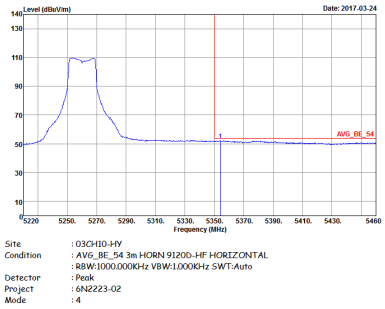
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

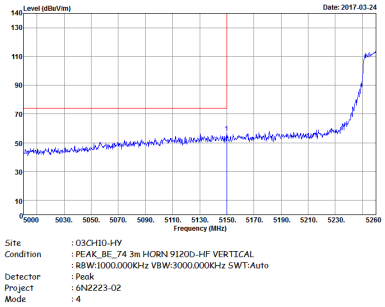
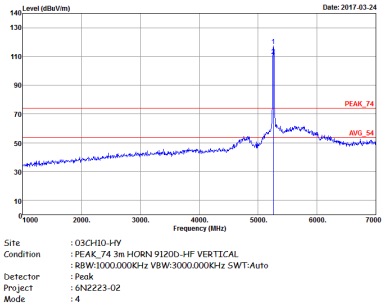
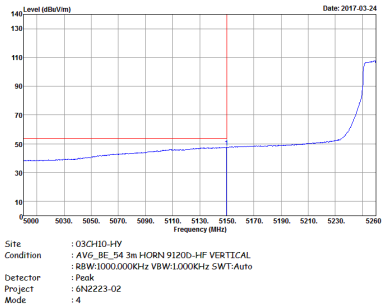
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

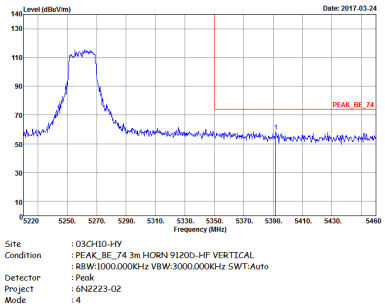
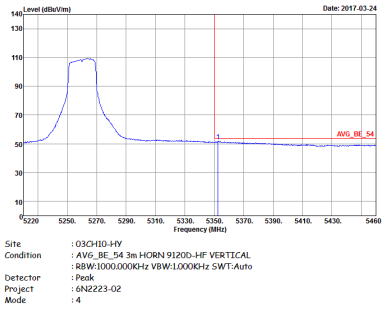
Band 2 5250~5350MHz

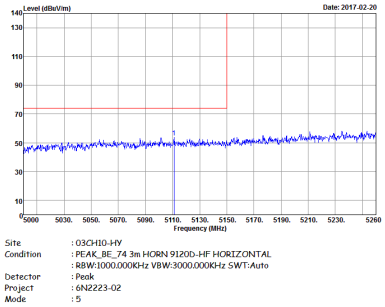
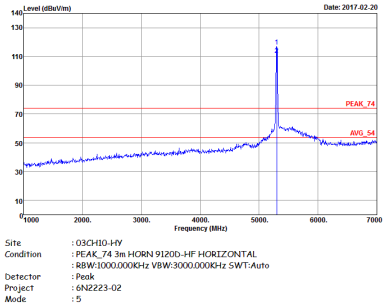
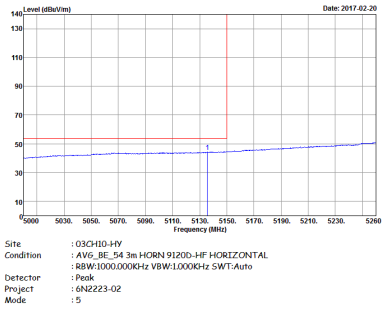
WIFI 802.11ac VHT20 (Band Edge @ 3m)

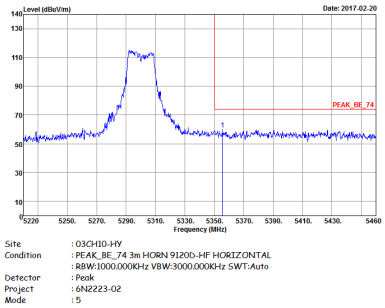
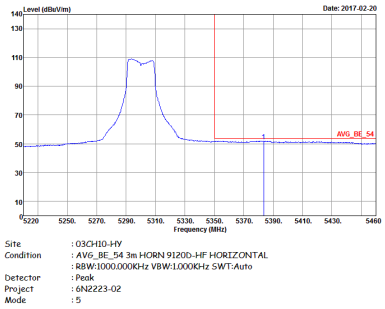
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

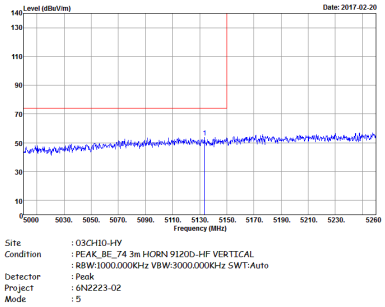
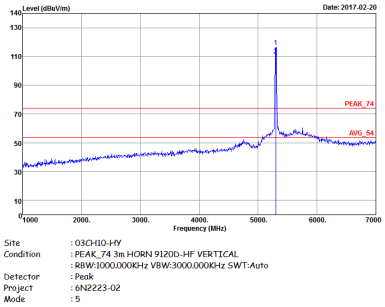
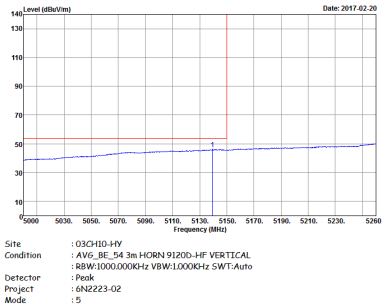
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

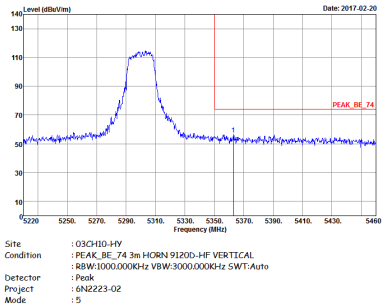
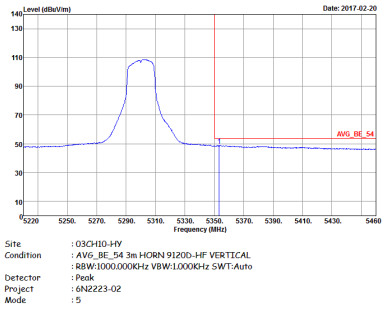
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

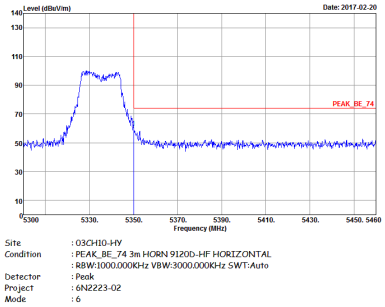
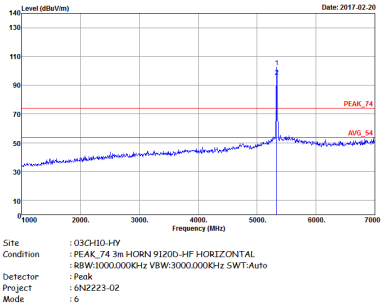
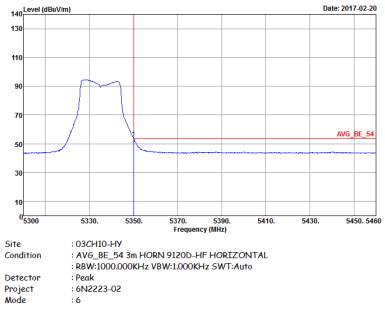
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

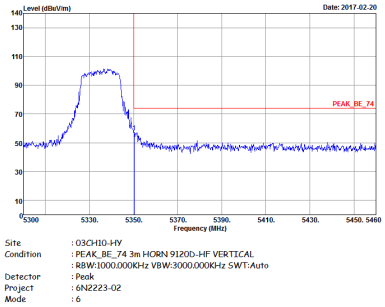
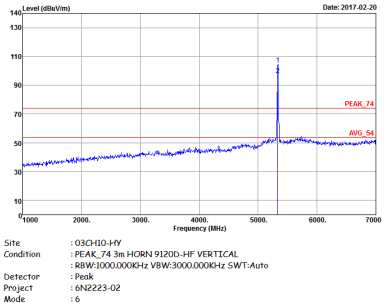
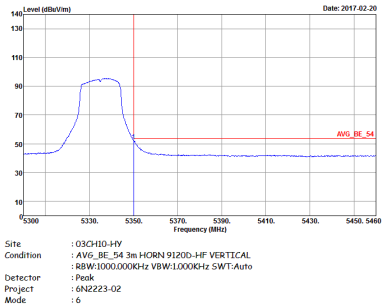
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

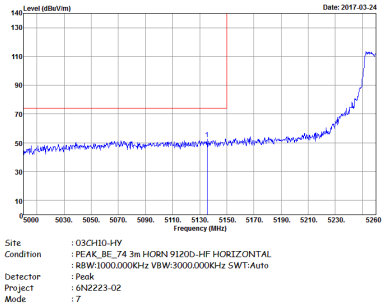
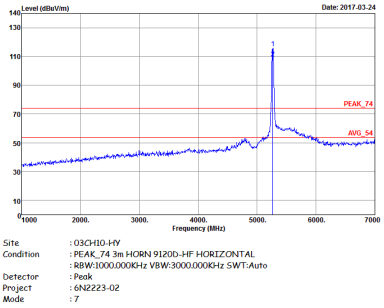
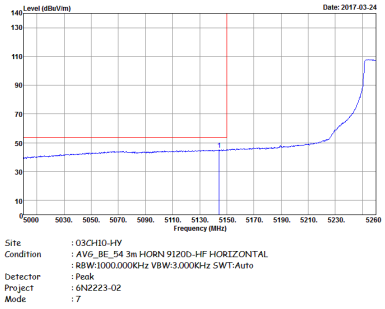
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

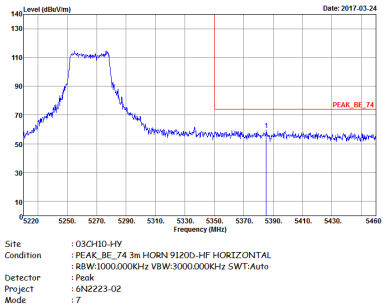
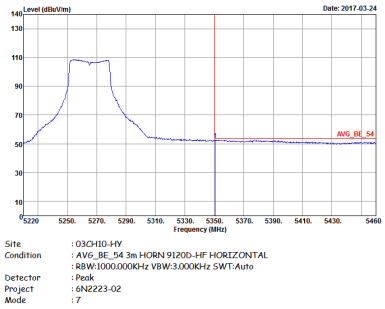
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

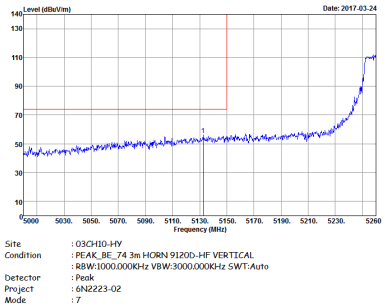
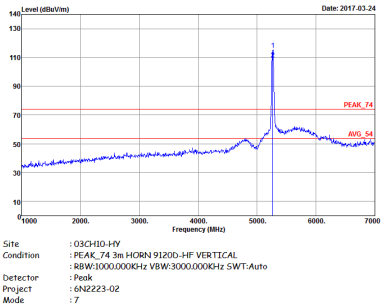
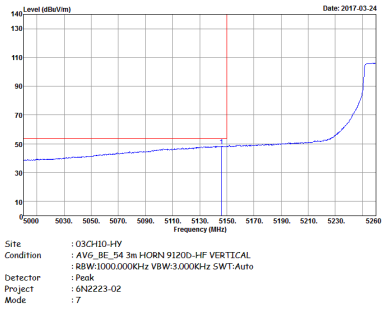
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

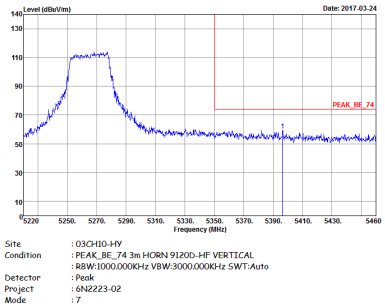
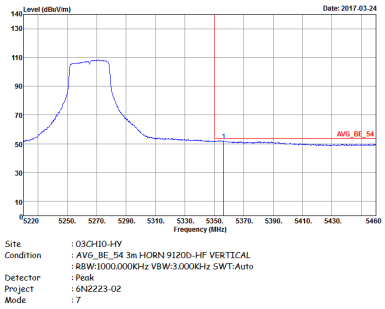
Band 2 5250~5350MHz

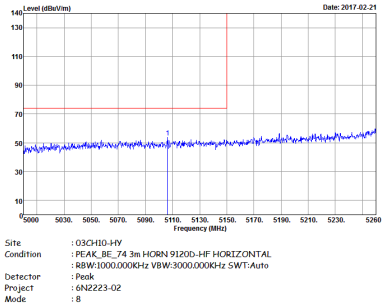
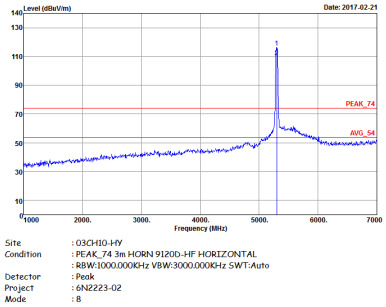
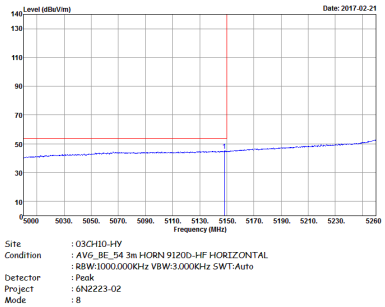
WIFI 802.11ac VHT30 (Band Edge @ 3m)

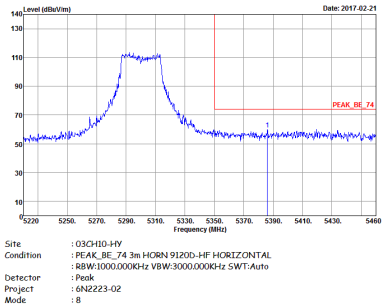
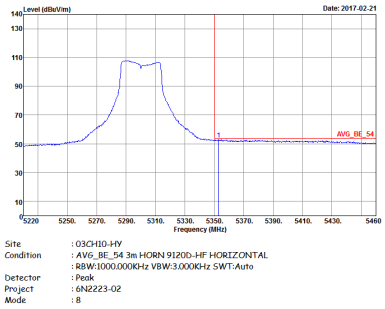
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

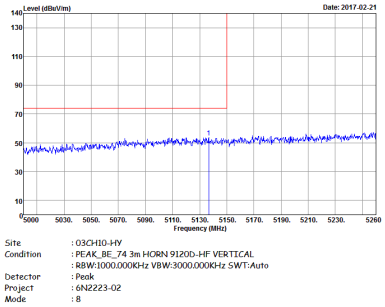
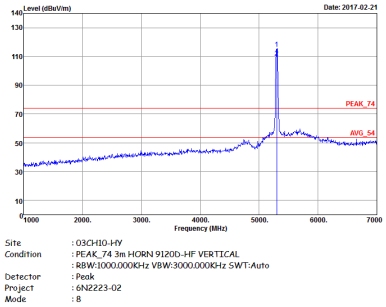
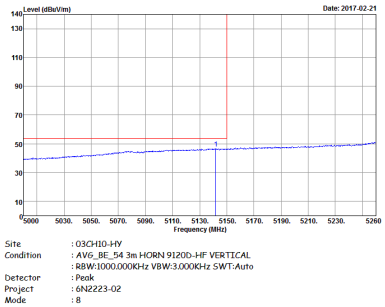
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

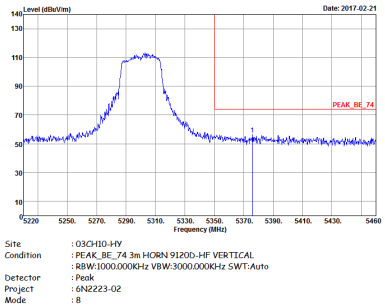
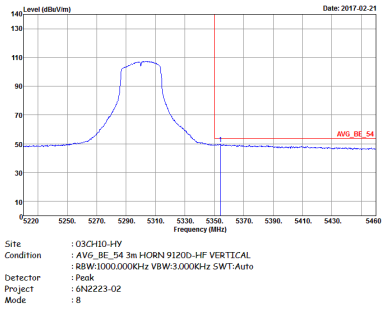
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

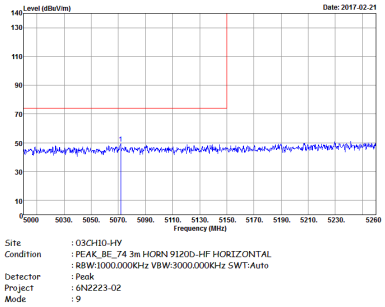
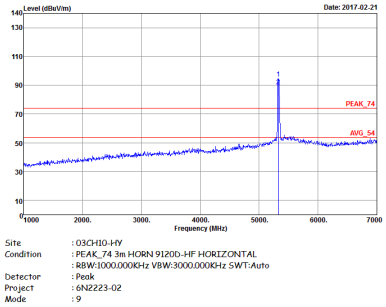
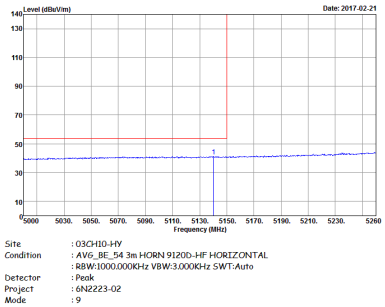
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

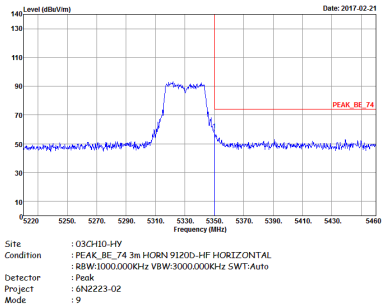
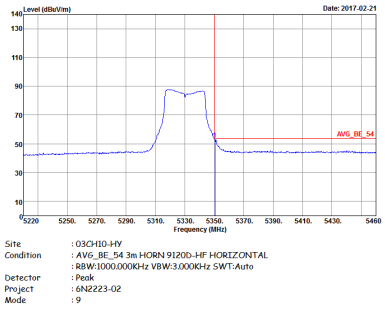
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

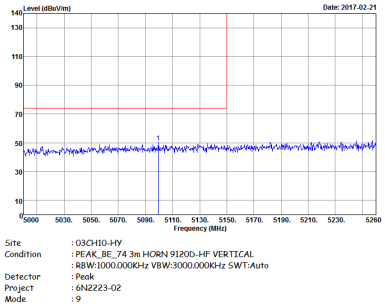
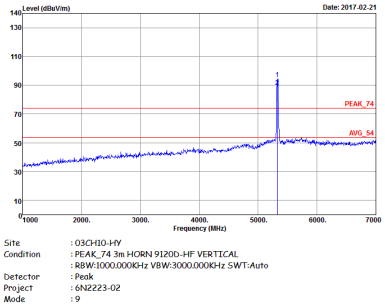
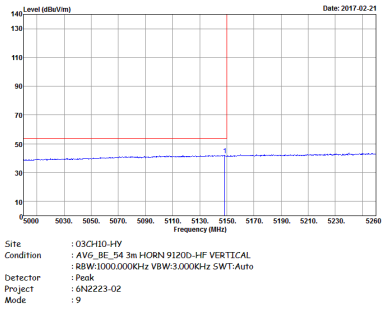
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

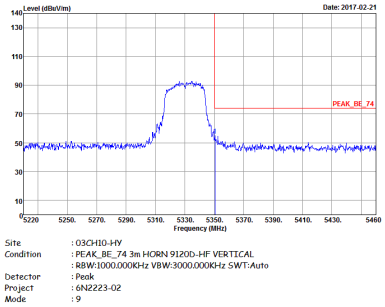
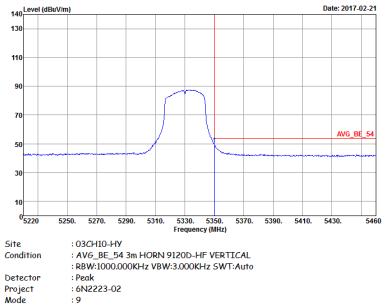
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

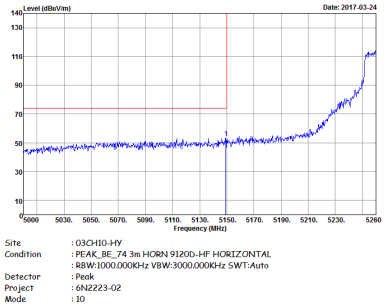
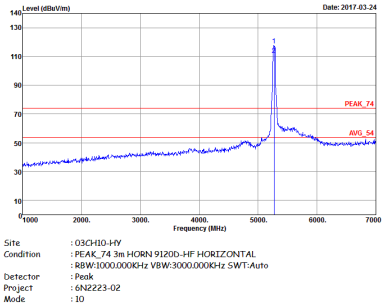
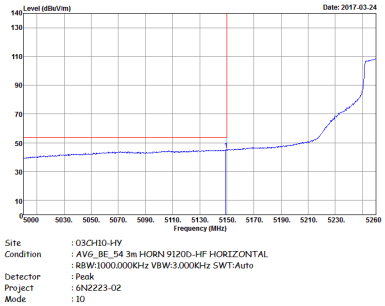
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

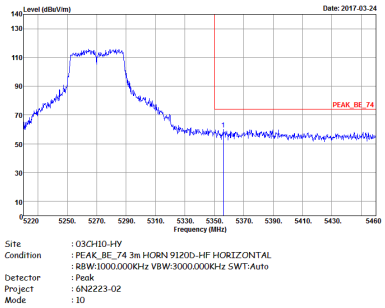
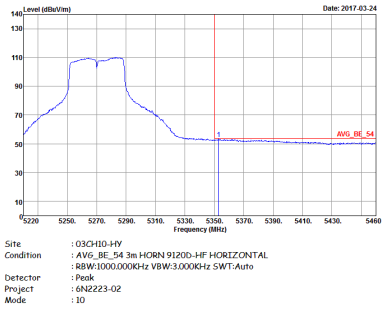
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

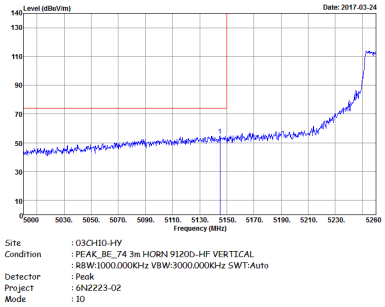
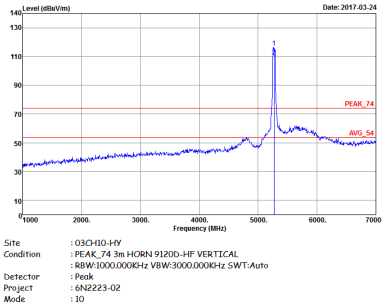
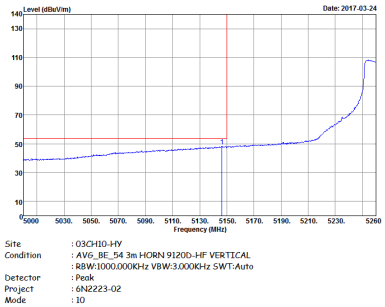
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

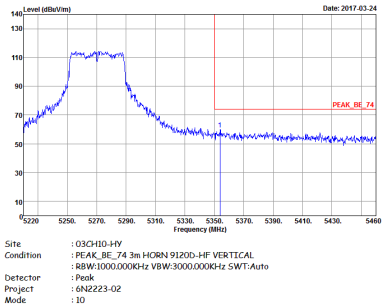
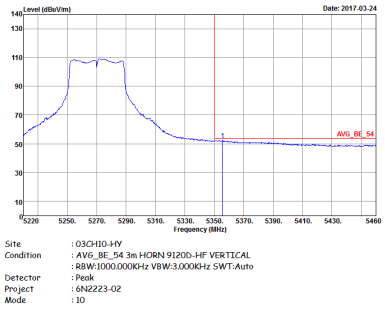
Band 2 5250~5350MHz

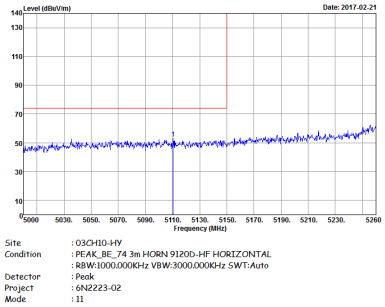
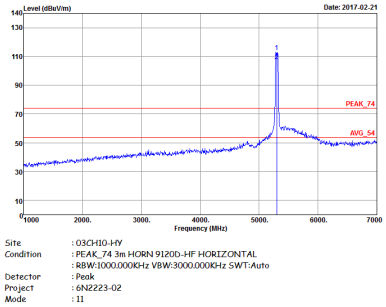
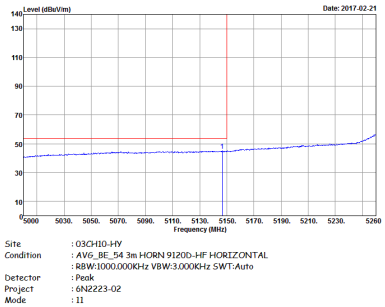
WIFI 802.11ac VHT40 (Band Edge @ 3m)

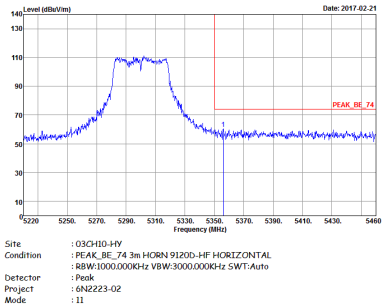
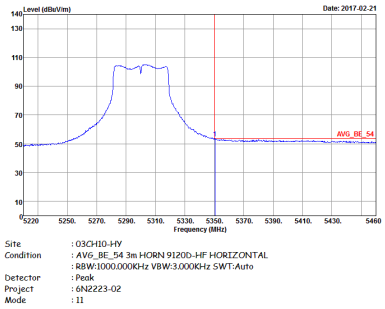
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

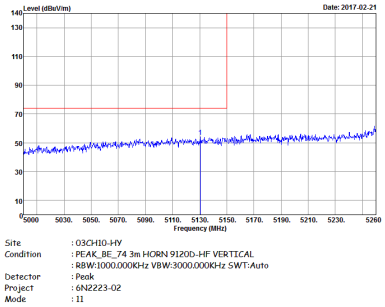
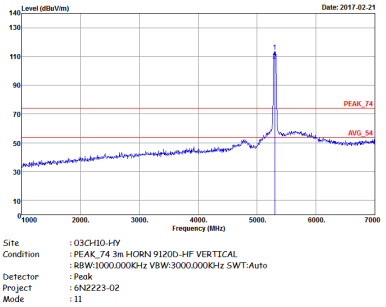
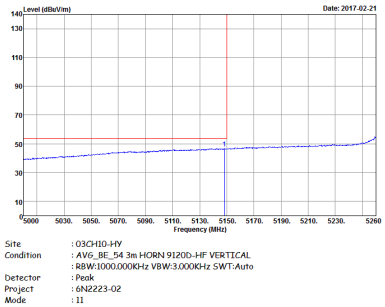
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

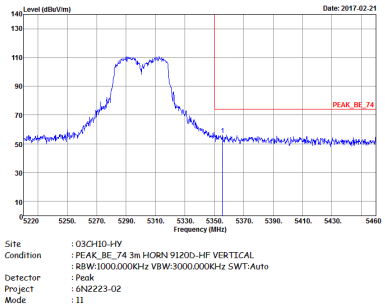
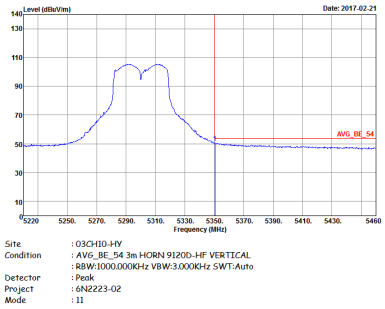
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

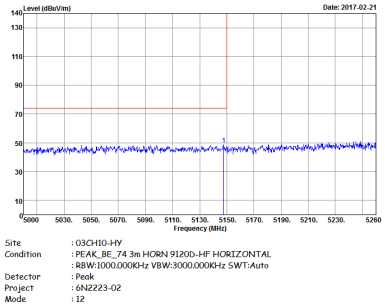
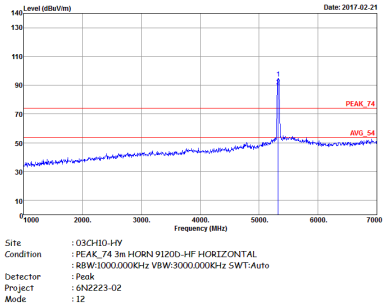
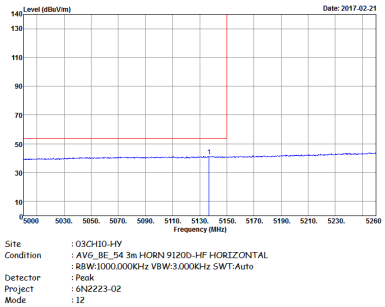
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH54 5270MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

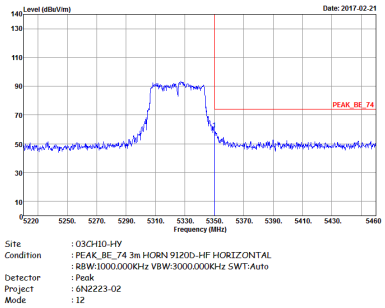
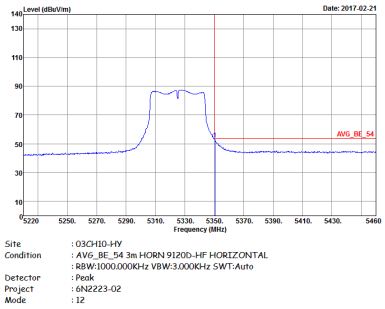
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

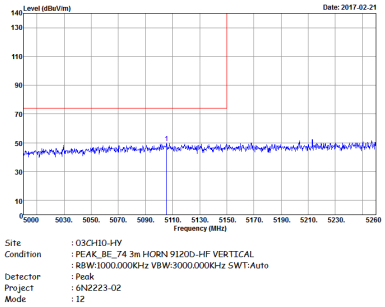
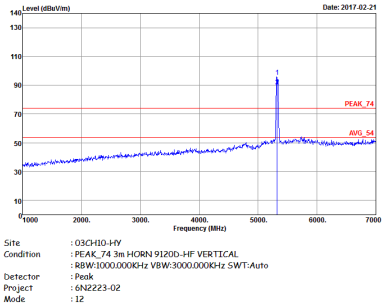
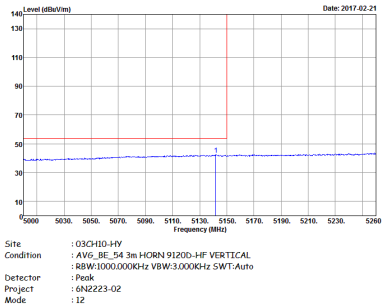
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

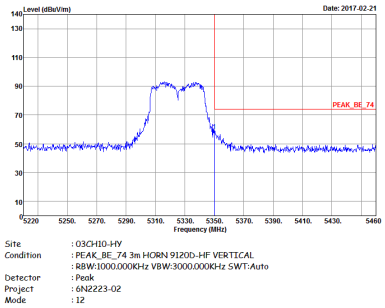
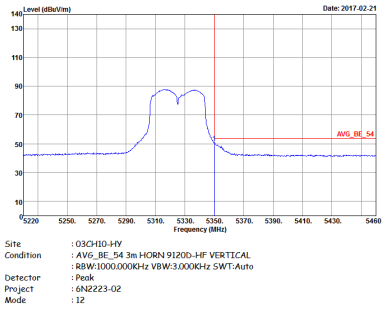
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

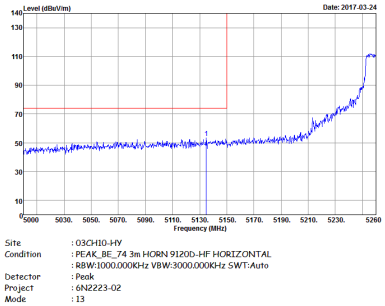
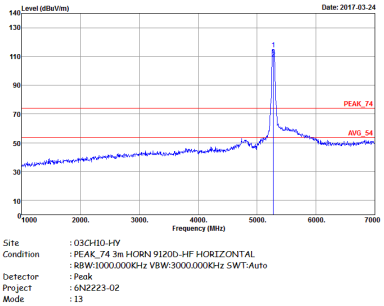
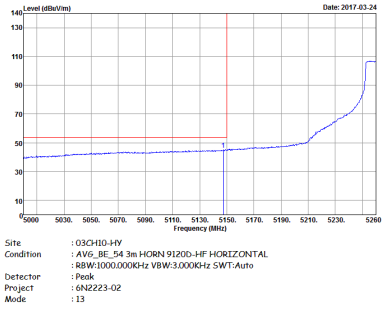
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

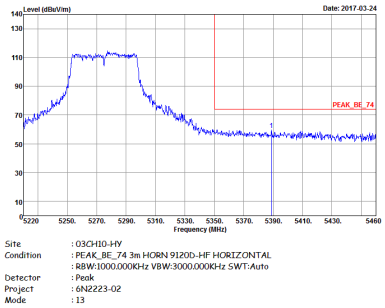
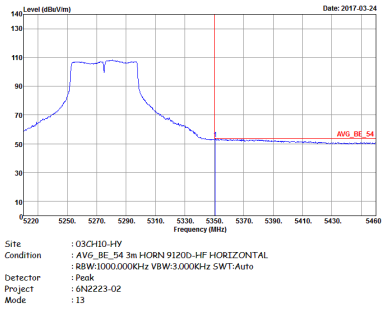
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

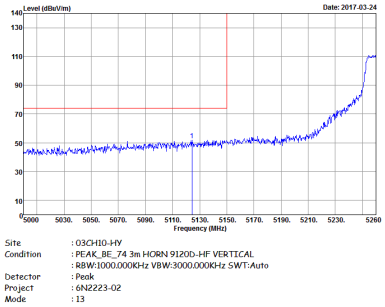
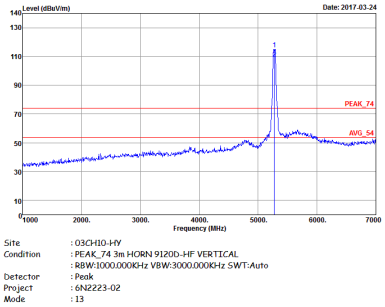
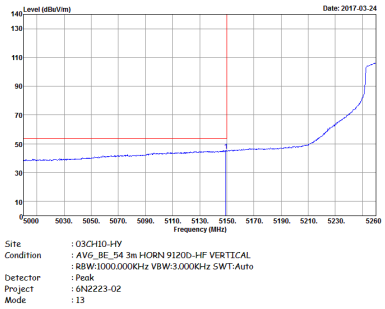
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH65 5325MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

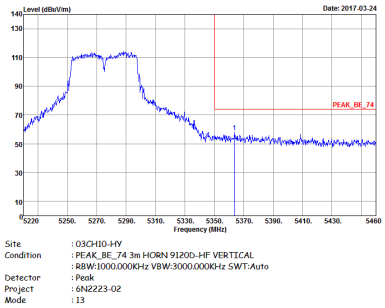
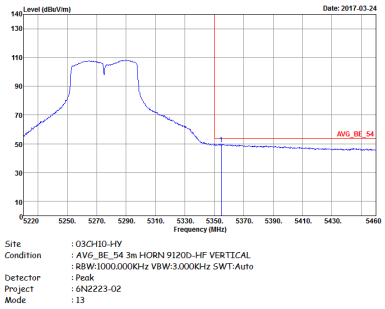
Band 2 5250~5350MHz

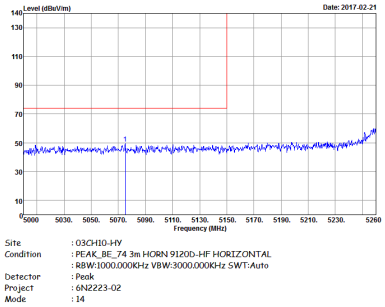
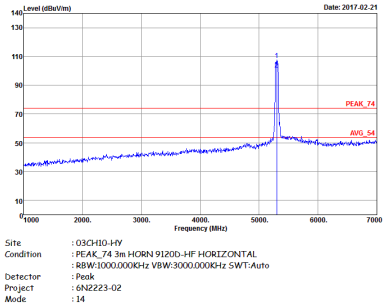
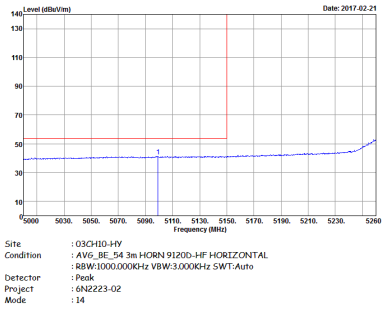
WIFI 802.11ac VHT50 (Band Edge @ 3m)

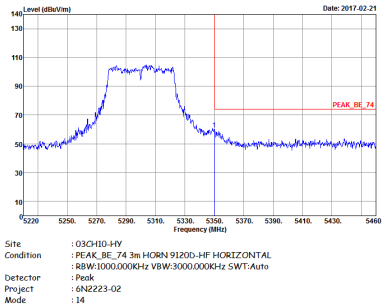
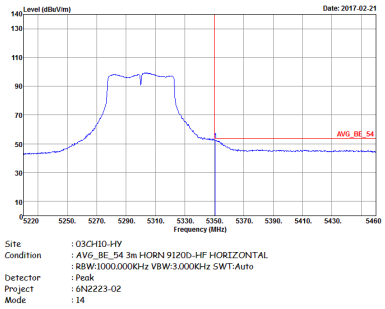
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

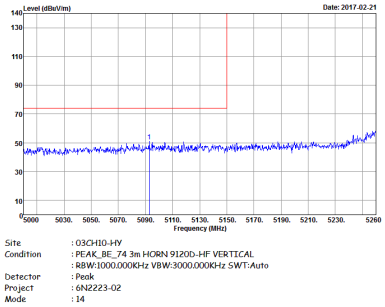
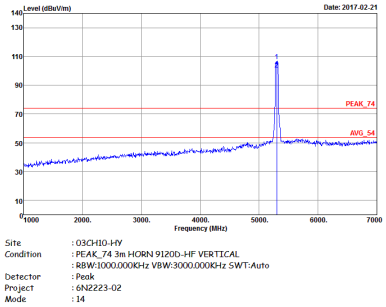
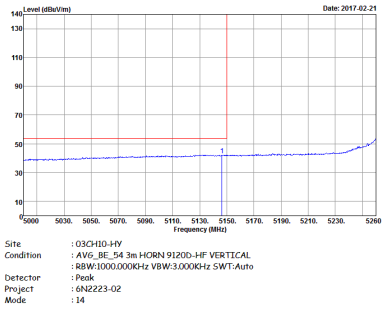
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

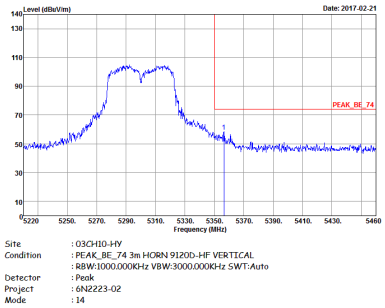
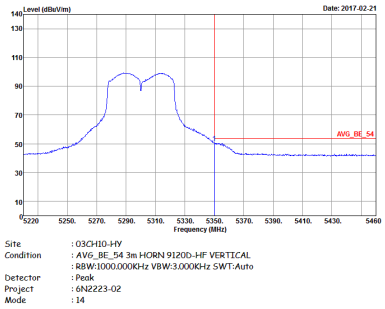
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

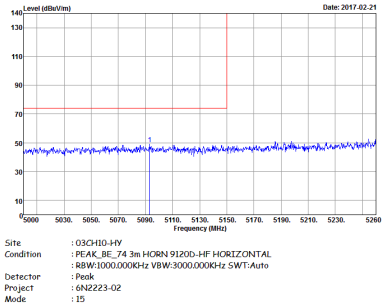
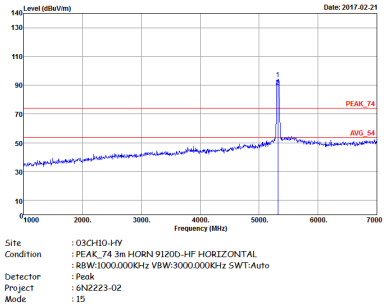
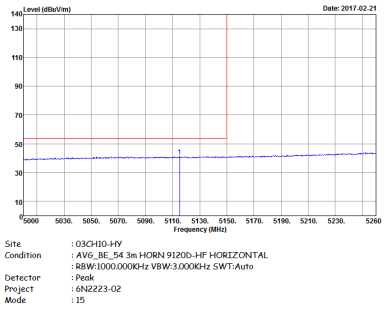
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH55 5275MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

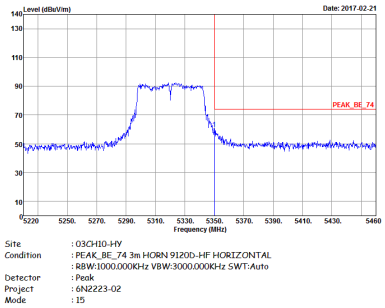
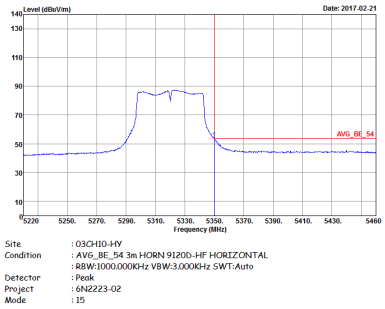
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

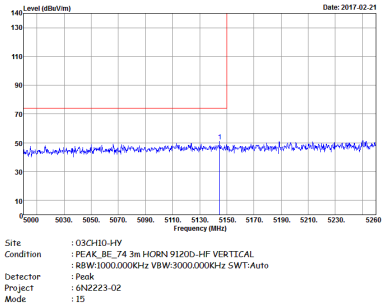
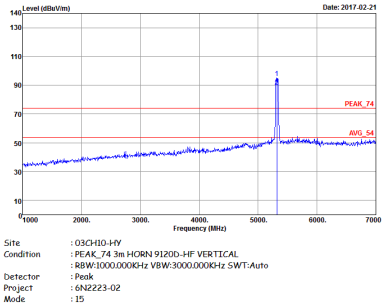
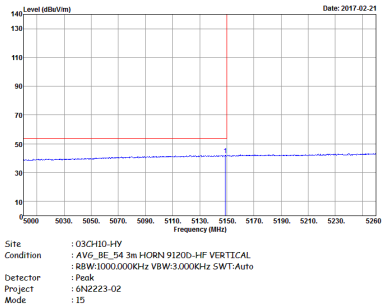
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

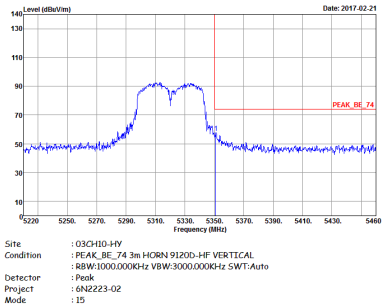
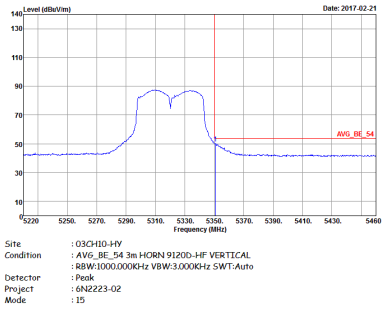
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

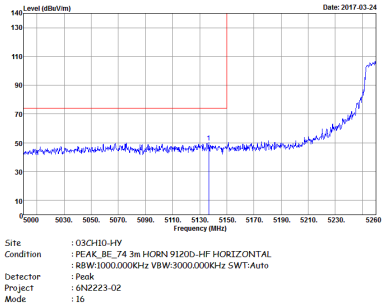
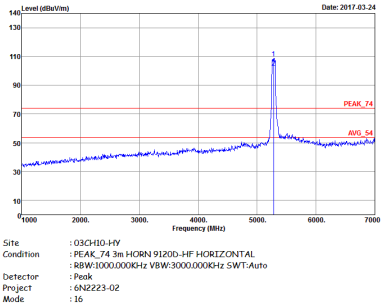
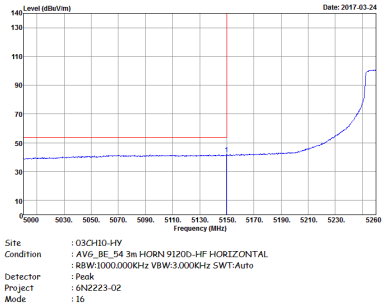
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

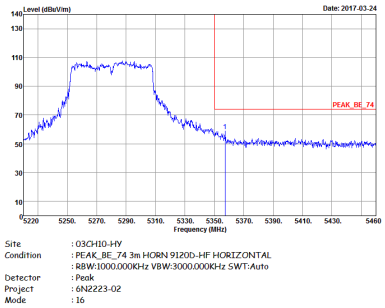
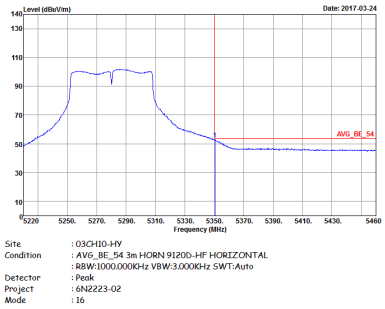
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

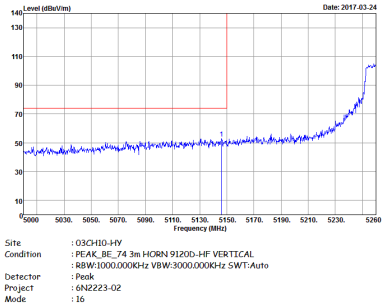
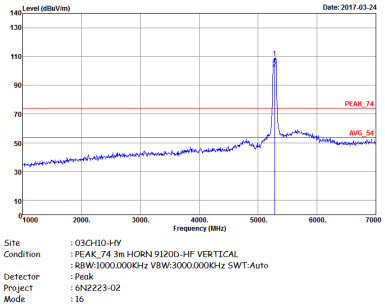
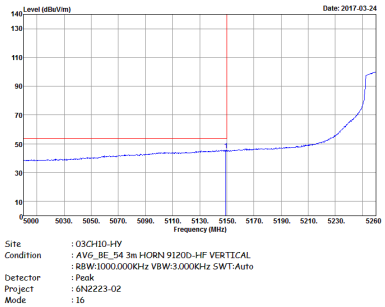
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT50 CH64 5320MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

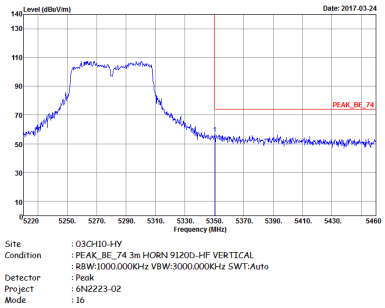
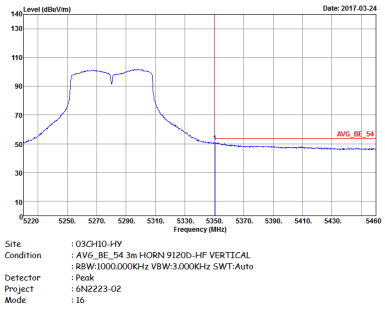
Band 2 5250~5350MHz

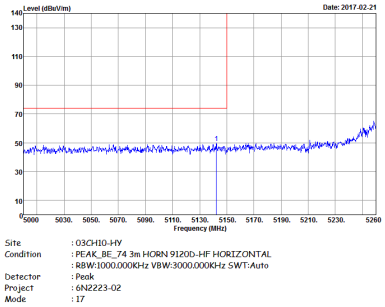
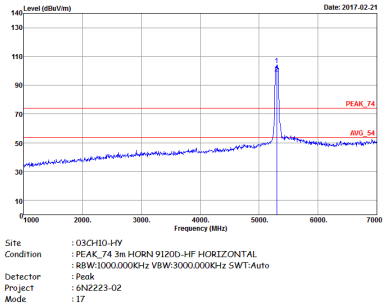
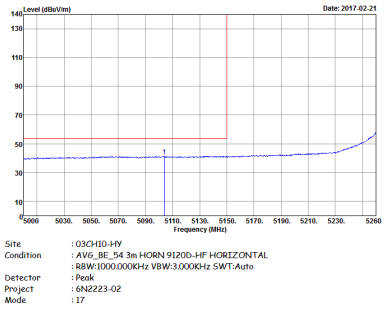
WIFI 802.11ac VHT60 (Band Edge @ 3m)

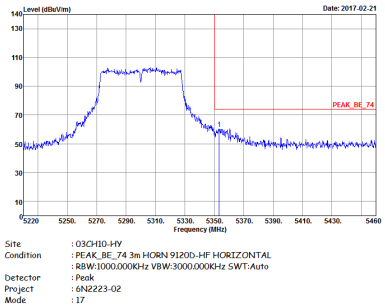
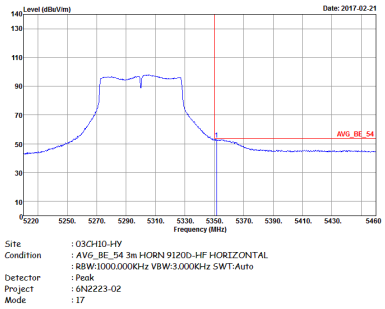
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

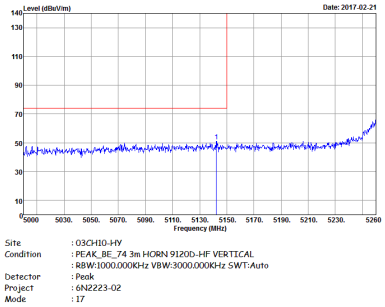
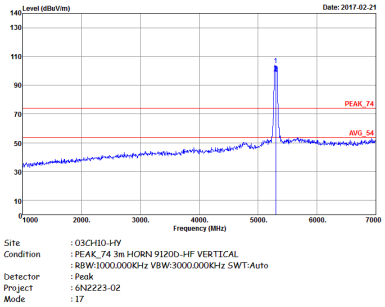
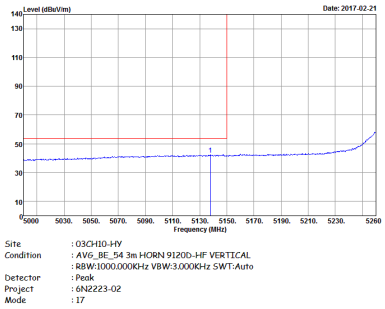
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

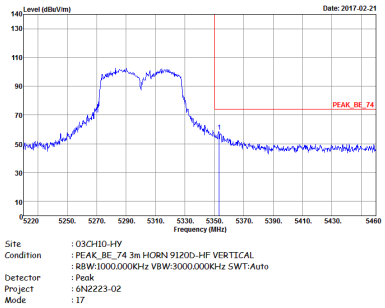
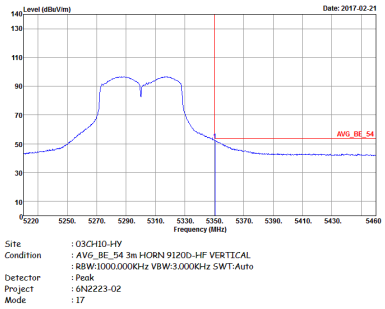
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

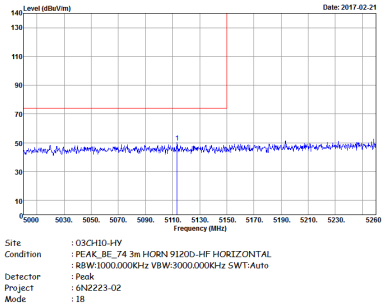
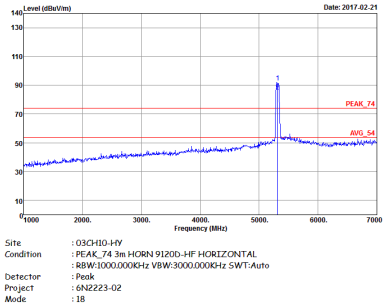
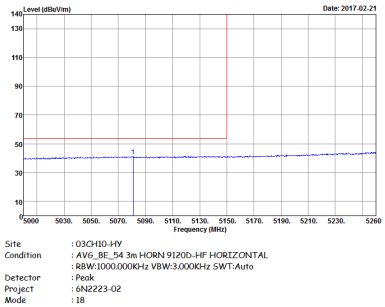
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH56 5280MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

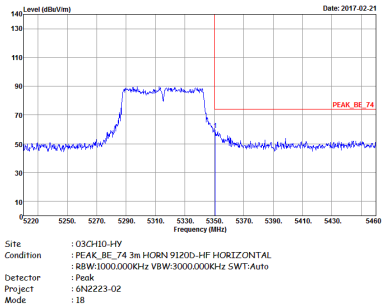
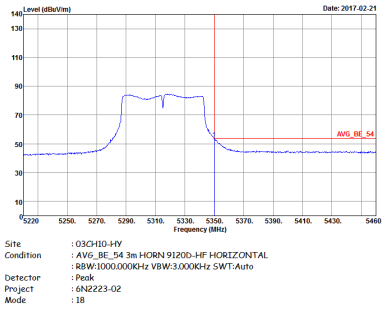
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

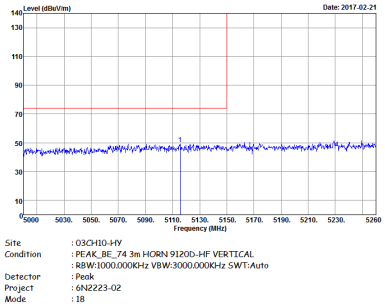
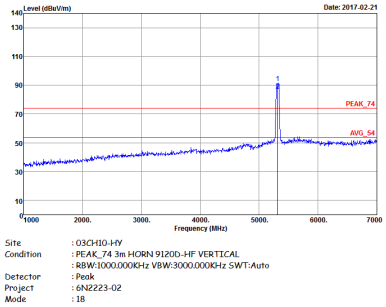
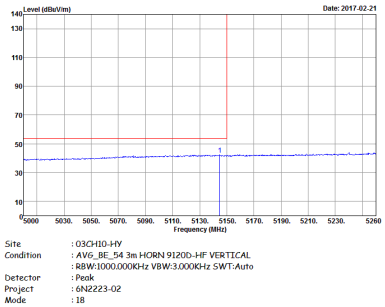
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

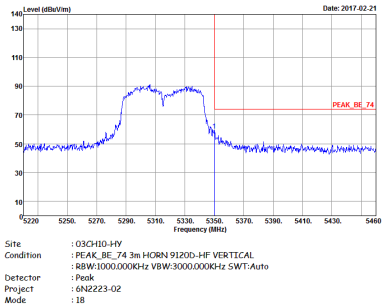
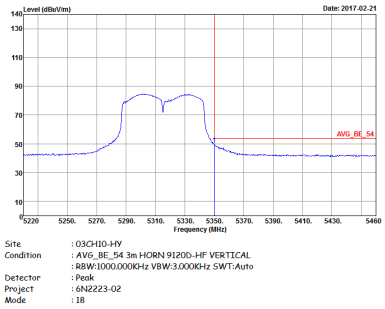
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

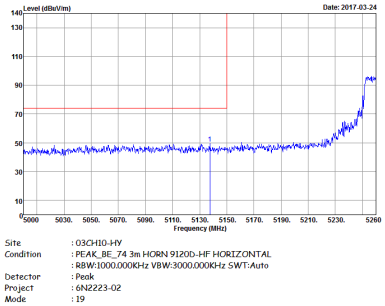
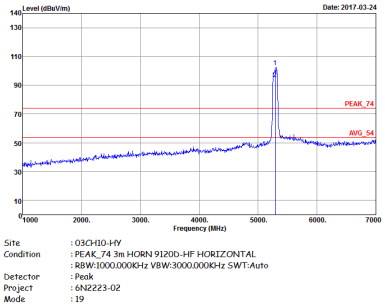
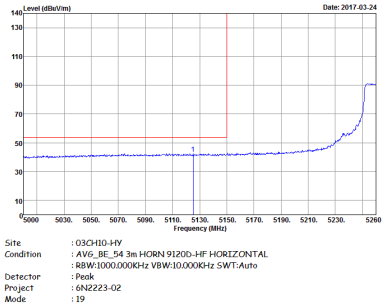
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

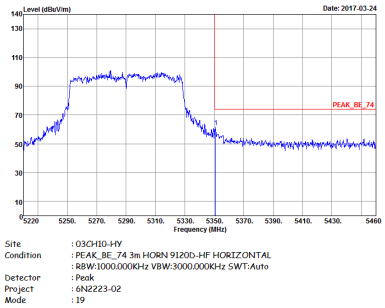
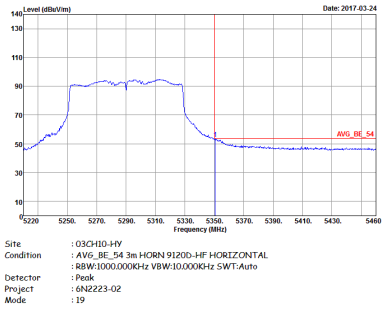
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

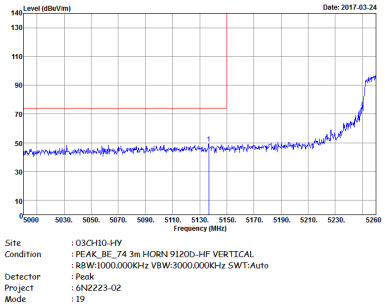
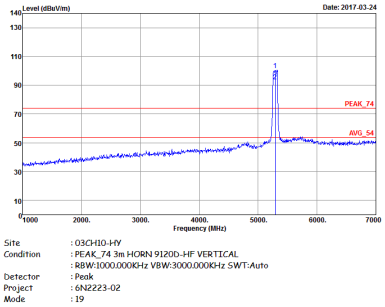
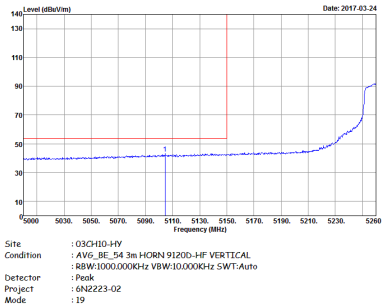
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT60 CH63 5315MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

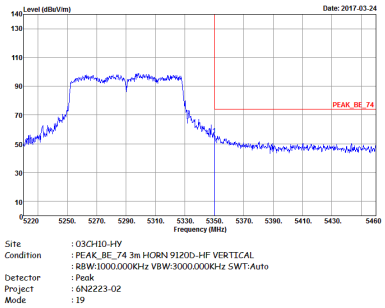
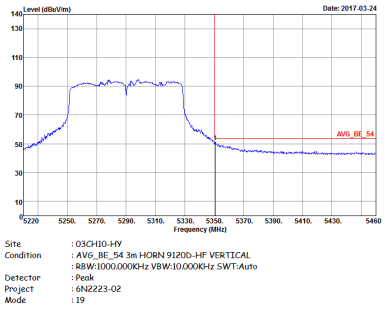
Band 2 5250~5350MHz

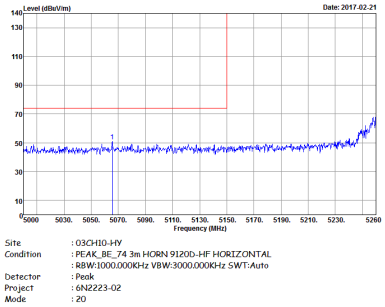
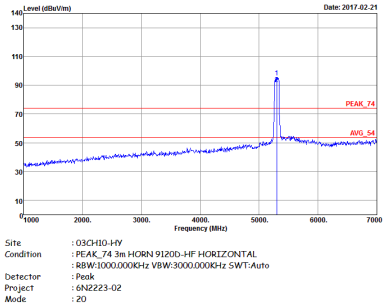
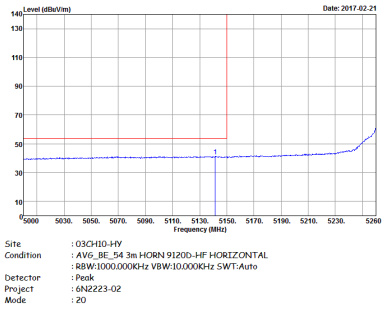
WIFI 802.11ac VHT80 (Band Edge @ 3m)

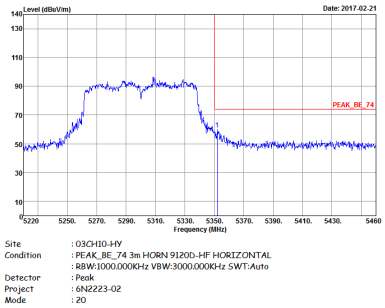
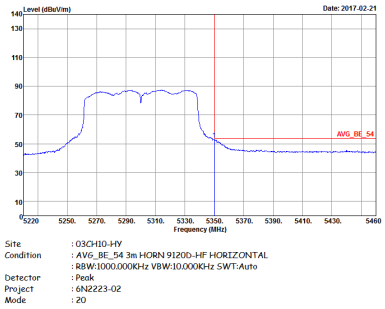
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

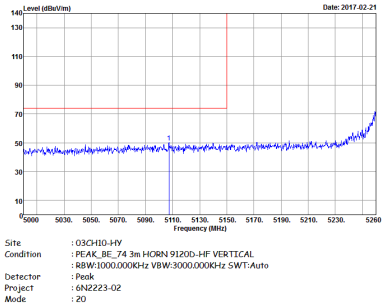
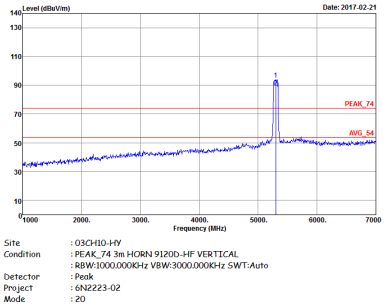
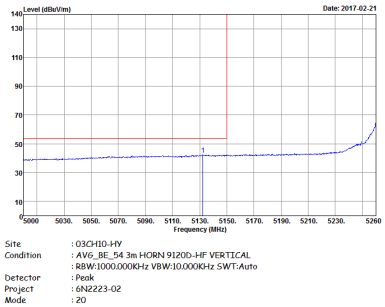
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

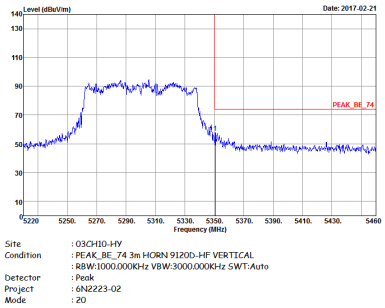
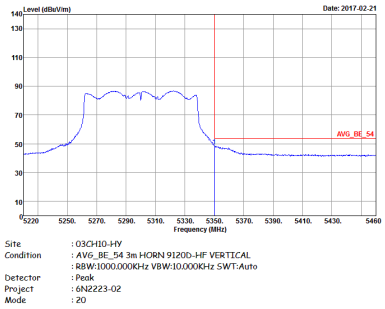
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

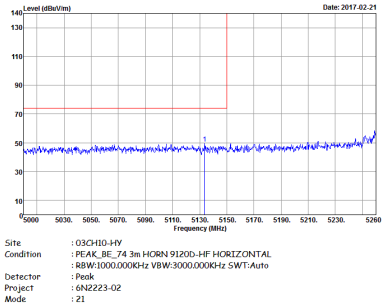
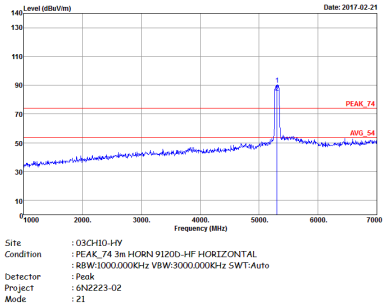
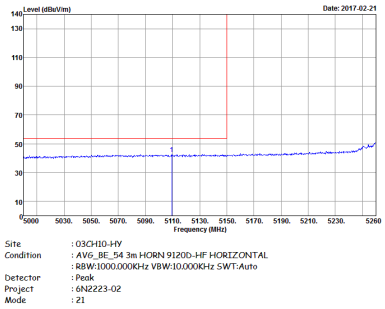
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

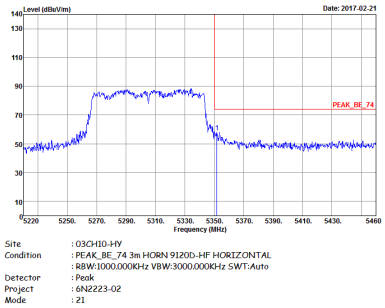
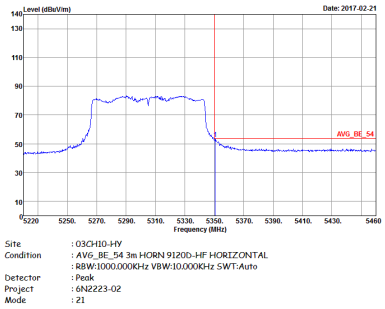
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz -L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

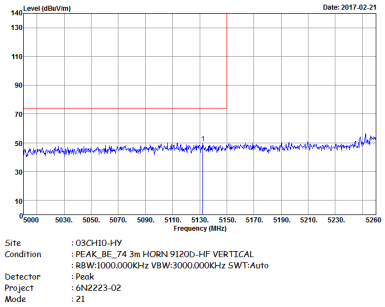
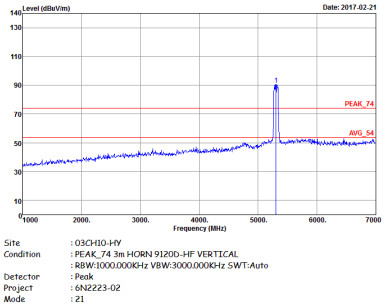
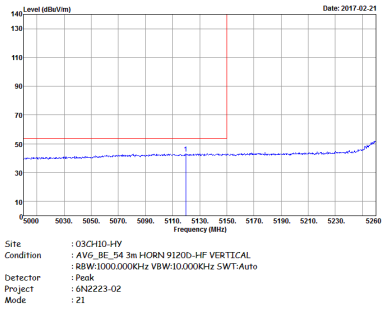
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

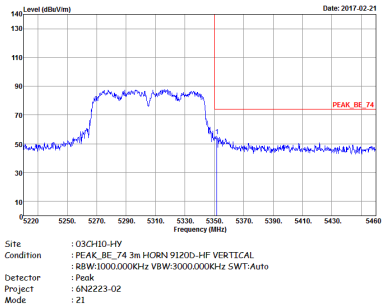
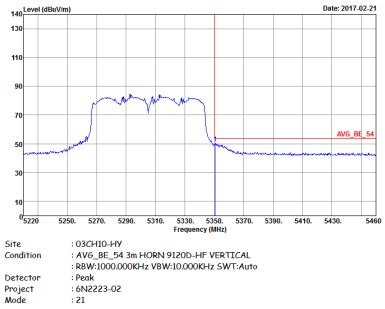
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH60 5300MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

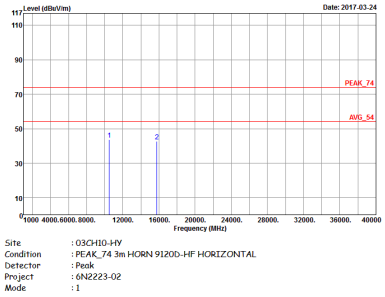
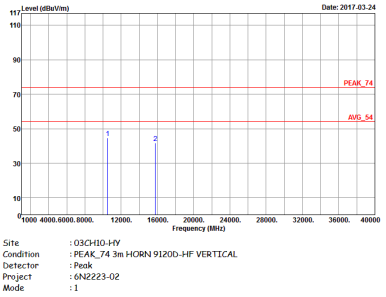
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz -R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

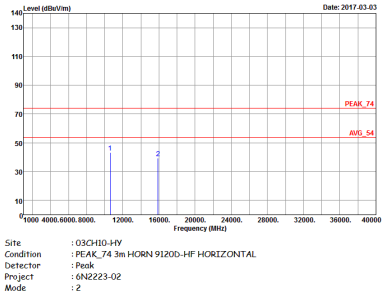
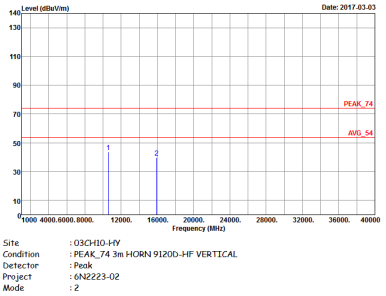
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz -L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

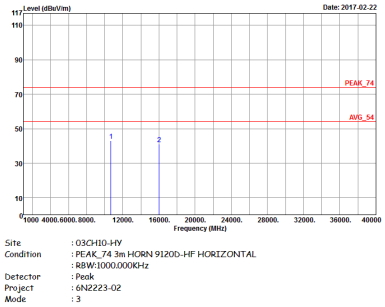
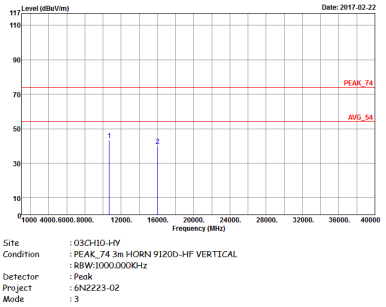
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH61 5305MHz -R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11ac VHT10 (Harmonic @ 3m)

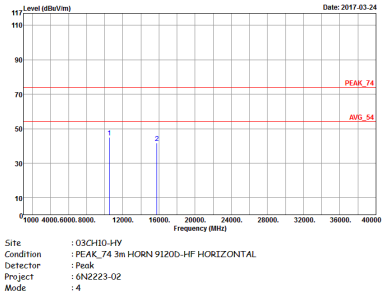
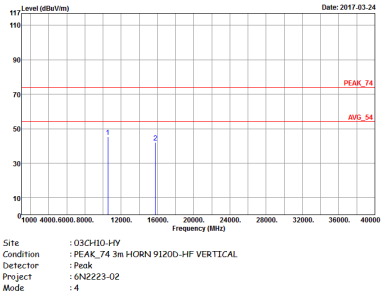
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT10 CH51 5255MHz	
1+2	Horizontal	Vertical
Peak Avg.		

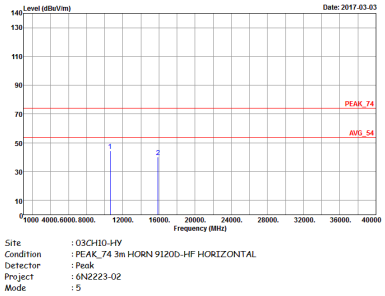
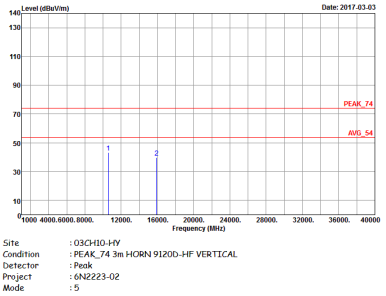
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT10 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

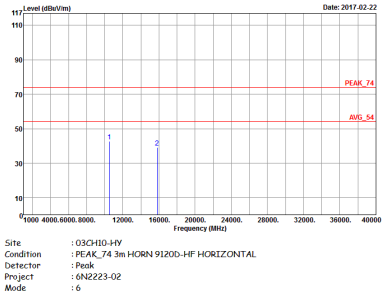
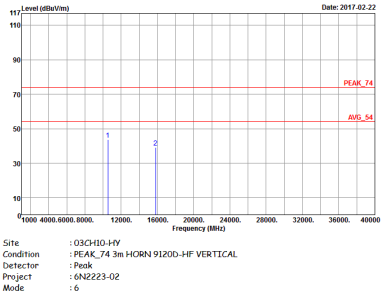
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT10 CH68 5340MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

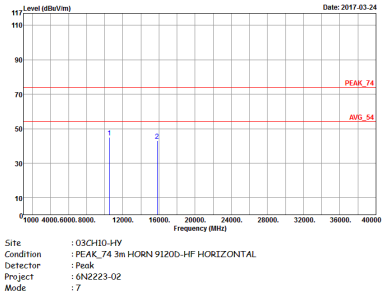
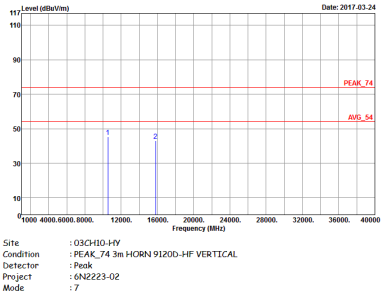
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

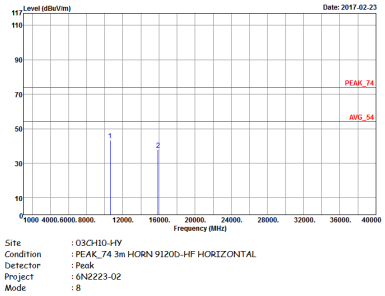
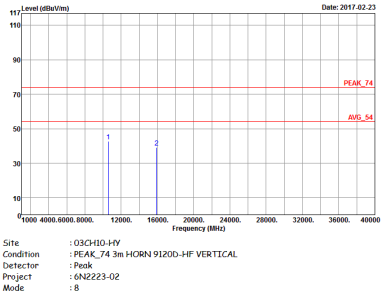
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

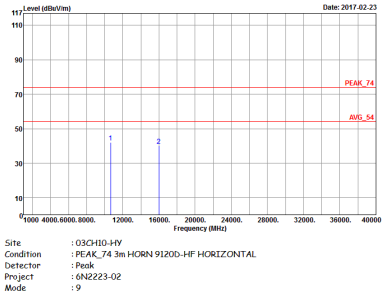
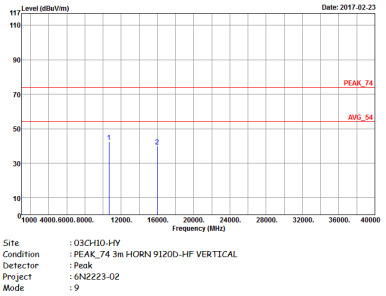
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH67 5335MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT30 (Harmonic @ 3m)

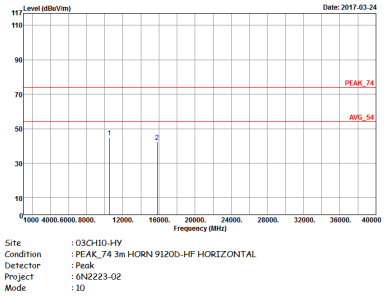
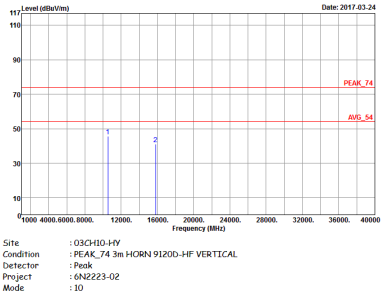
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT30 CH53 5265MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT30 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT30 CH66 5330MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

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

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