FCC RADIO TEST REPORT

FCC ID	:	**PY7-26817E**
Equipment	:	**GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac, GPS and NFC**
Brand Name	:	**Sony**
Applicant	:	**Sony Mobile Communications Inc. 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan**
Manufacturer	:	**Sony Mobile Communications Inc. 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Mar. 25, 2019 and testing was started from May 30, 2019 and completed on Jun. 19, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Jones Tsai

Approved by: Jones Tsai

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

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History of this test report

Report No.	Version	Description	Issued Date
FR932517-01E	01	Initial issue of report	Jun. 26, 2019
FR932517-01E	02	Revising applicable standard and antenna gain.	Jul. 04, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 3.30 dB at 5350.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 16.34 dB at 0.467 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Yimin Ho

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, NFC, and GNSS.

Standards-related Product Specification	
Antenna Type / Gain	**<5150 MHz ~ 5250 MHz>** Inverted-F Antenna: -6.4 dBi **<5250 MHz ~ 5350 MHz>** Inverted-F Antenna: -6.6 dBi **<5470 MHz ~ 5725 MHz>** Inverted-F Antenna: -3.2 dBi

EUT Information List			
HW Version	SW Version	S/N	Performed Test Item
A	0.96	BH9300YUGP	RF conducted measurement
		BH9301C2GP	Radiated Spurious Emission
		BH9300ZHGP	AC Conducted Emission

Accessory List	
AC Adapter	Model Name : UCH20
	S/N: 1116W37712433
Earphone	Model Name.: STH40D
	S/N : N/A
USB Cable	Model Name.: UCB20
	S/N : N/A

Note:

1. Above EUT list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test, and the serial number of each type of accessories is listed in each section of this report.
3. For other wireless features of this EUT, test report will be issued separately.
4. The firmware installed in the EUT during testing was 0_30089_A_69_7_IETS-5102.

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

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

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

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

FCC Designation No.: TW1190 and TW0007

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

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

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

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MP3 + USB Cable (Charging from Adapter) + Battery + Earphone

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

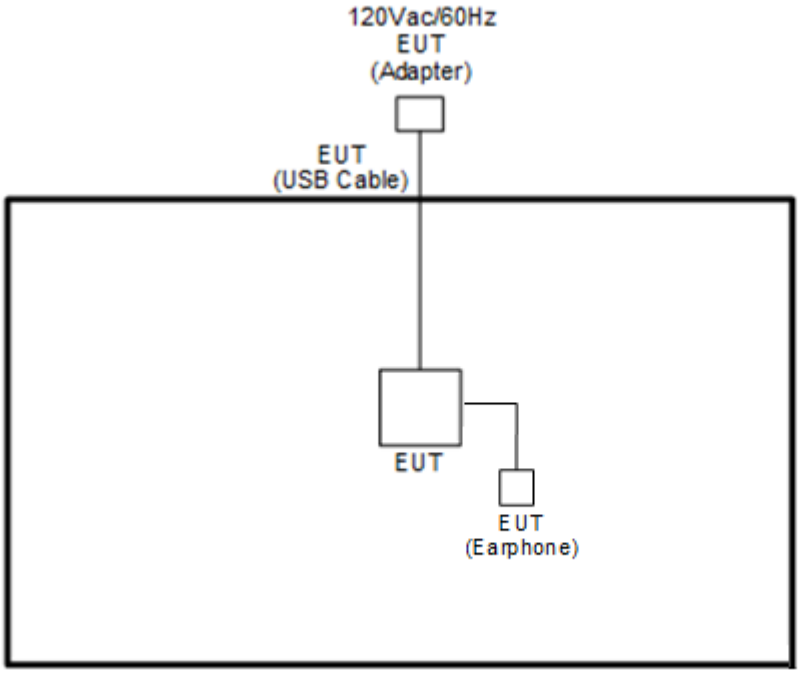
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

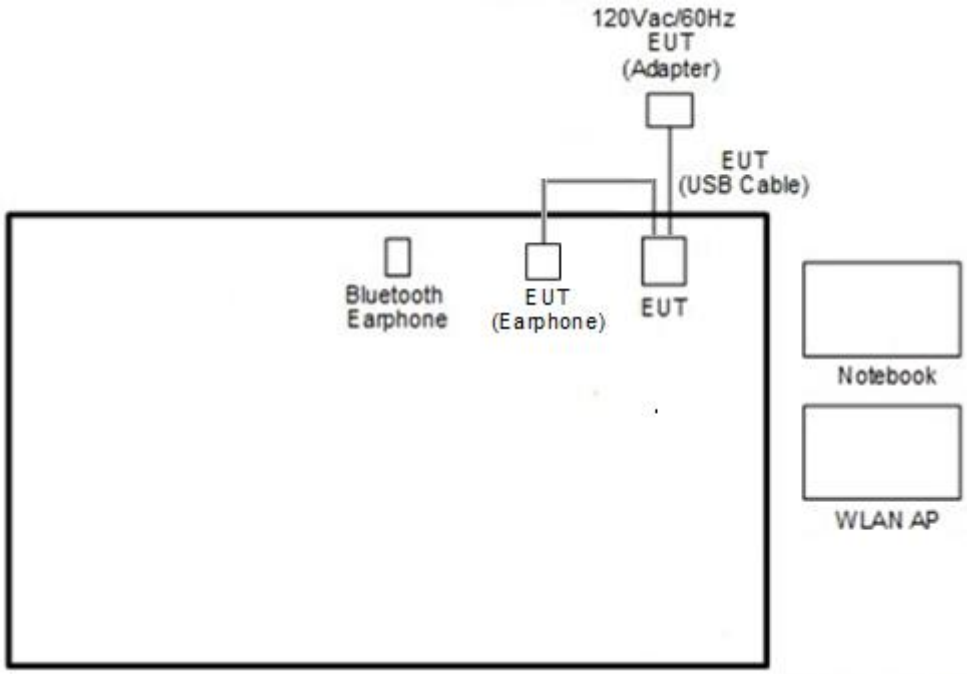
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony	SBH82D	PY7-RD0010	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB & 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB &26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

For 26dB & 99OB

Section C) Emission bandwidth

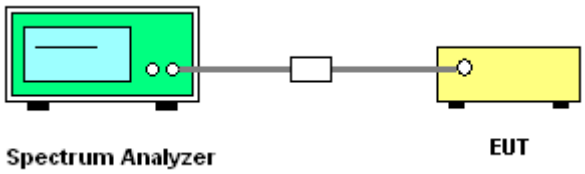
1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
6. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
7. Measure and record the results in the test report.

For 6dB

Section C) Emission bandwidth

1. Set RBW = 100kHz.
2. Set the VBW ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

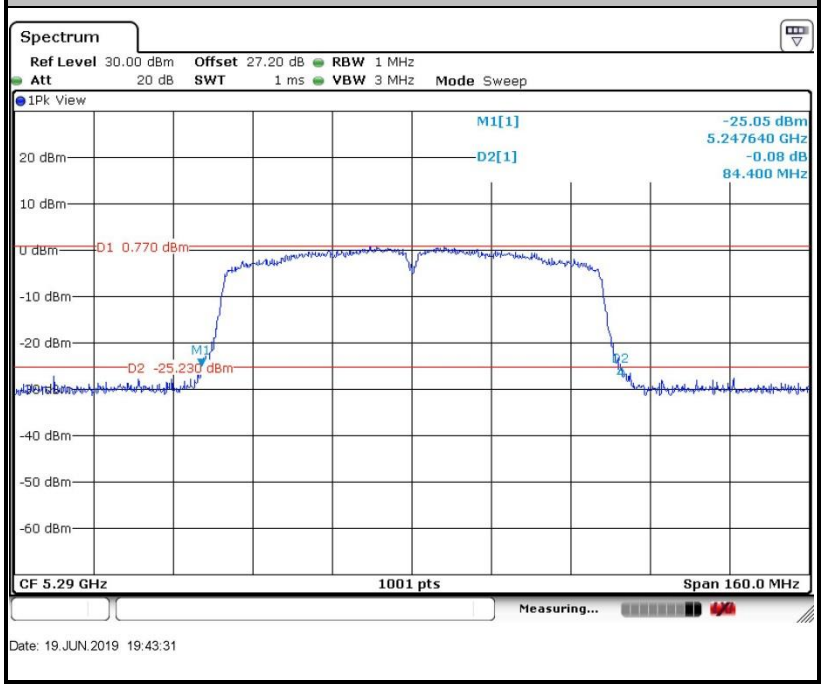
3.1.4 Test Setup



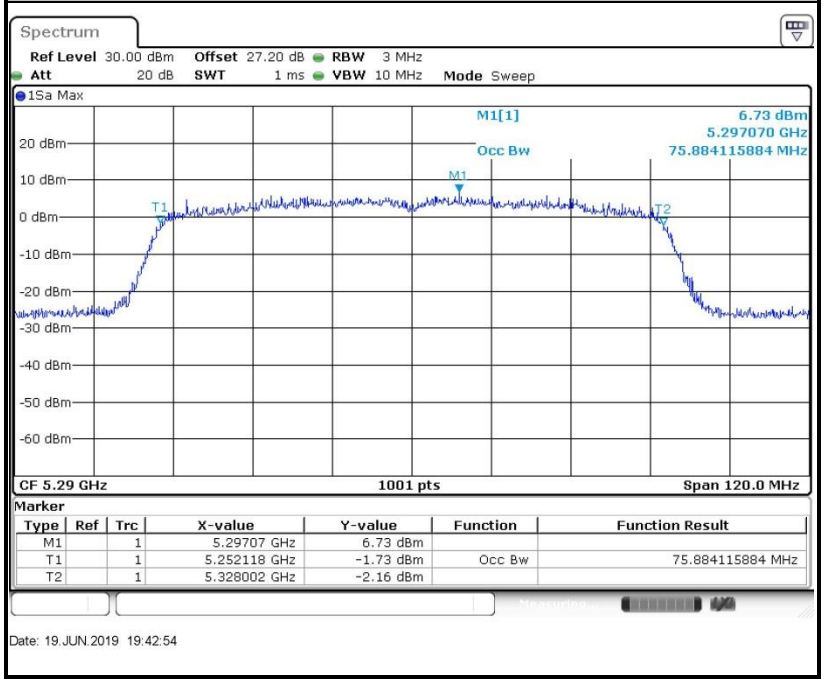
3.1.5 Test Result of 6dB & 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



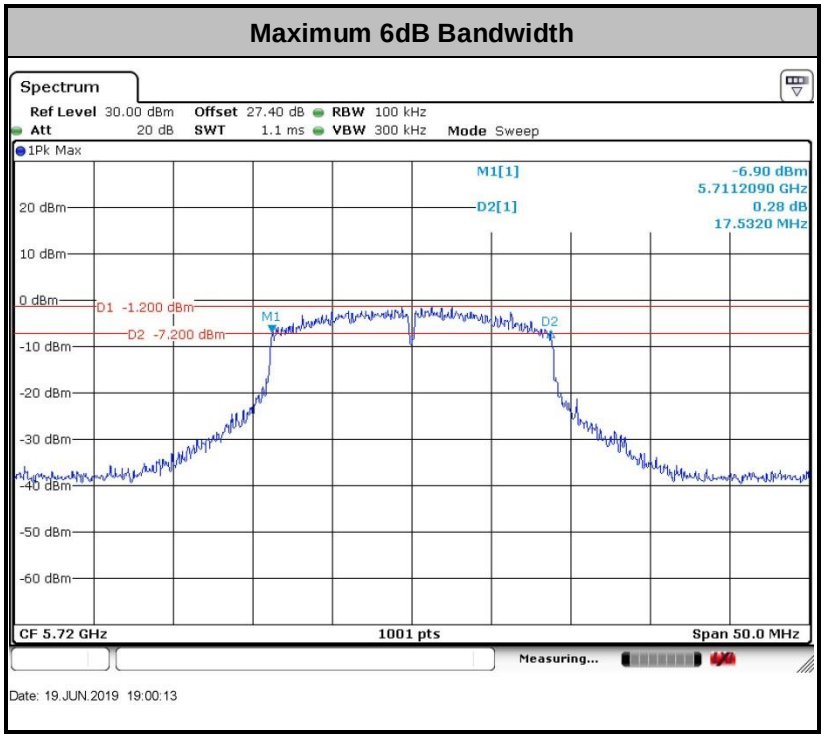
Maximum 99% Occupied Bandwidth



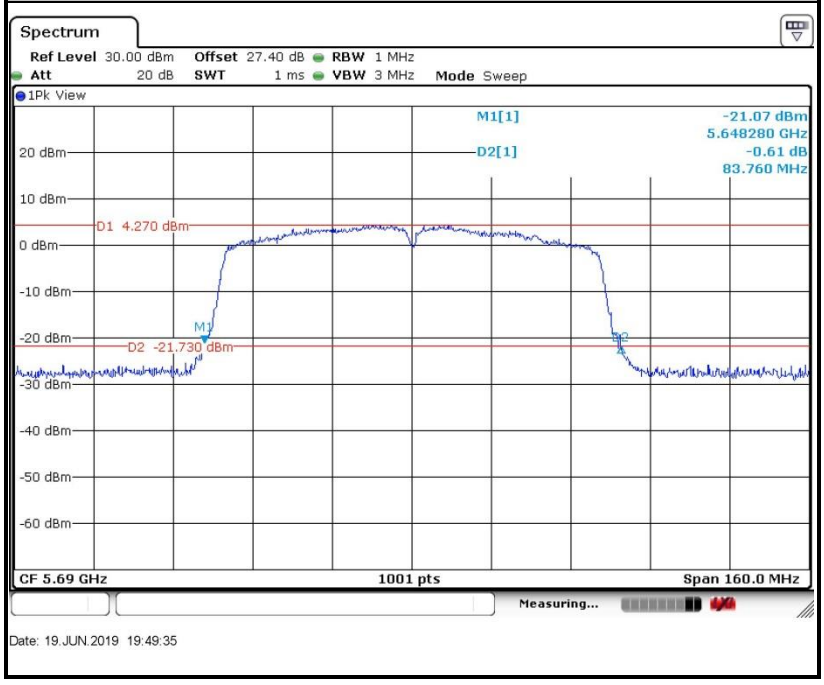
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<Straddle Channel>

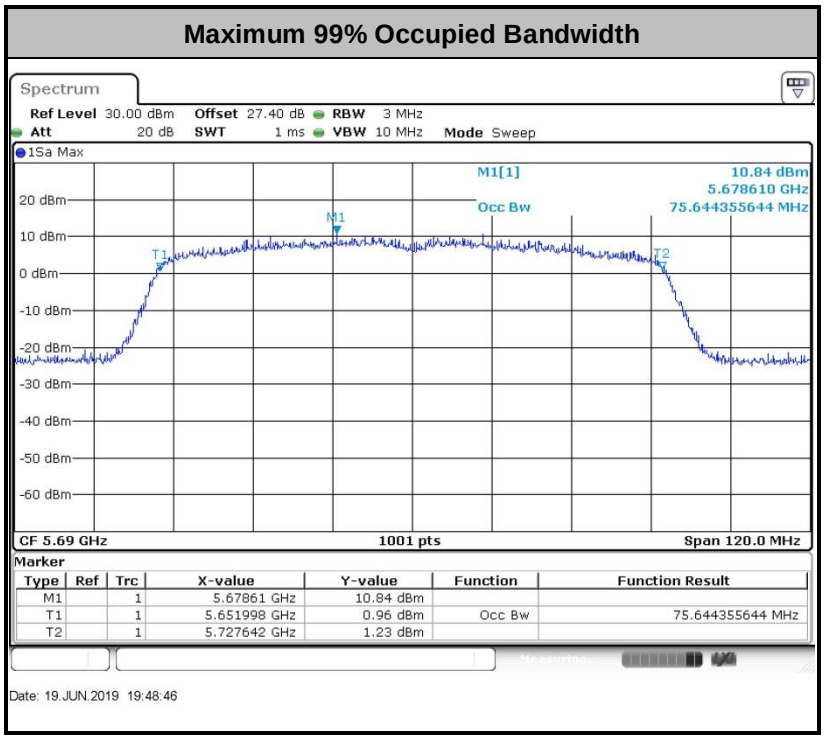
Maximum 6dB Bandwidth



Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

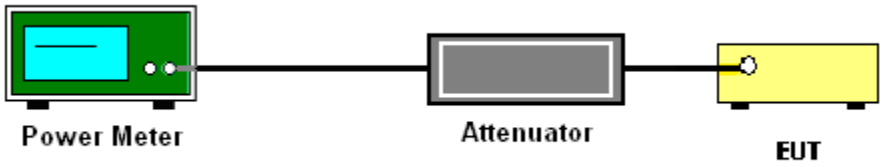
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

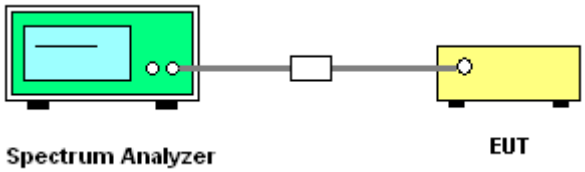
 # Method SA-2 #

(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.

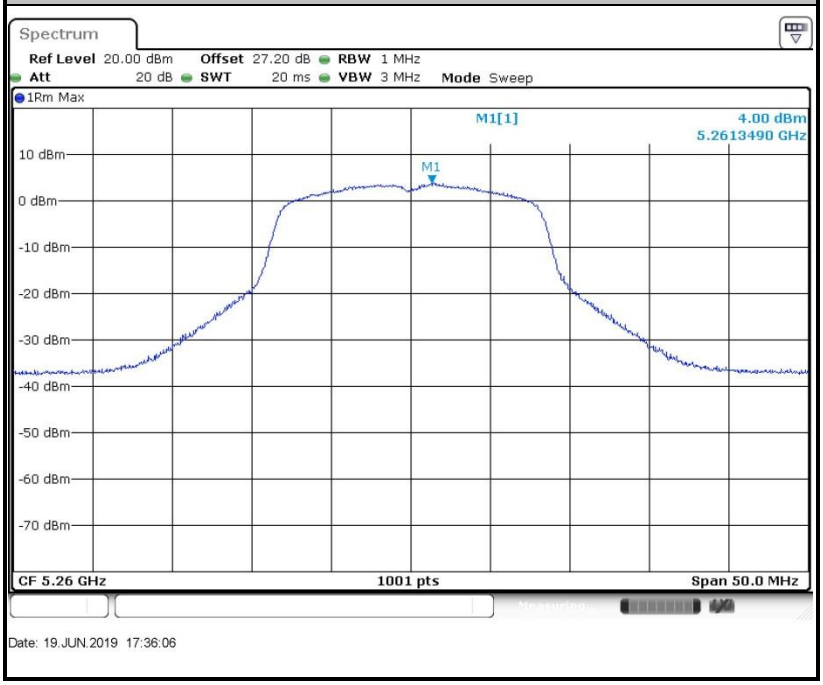
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBµV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

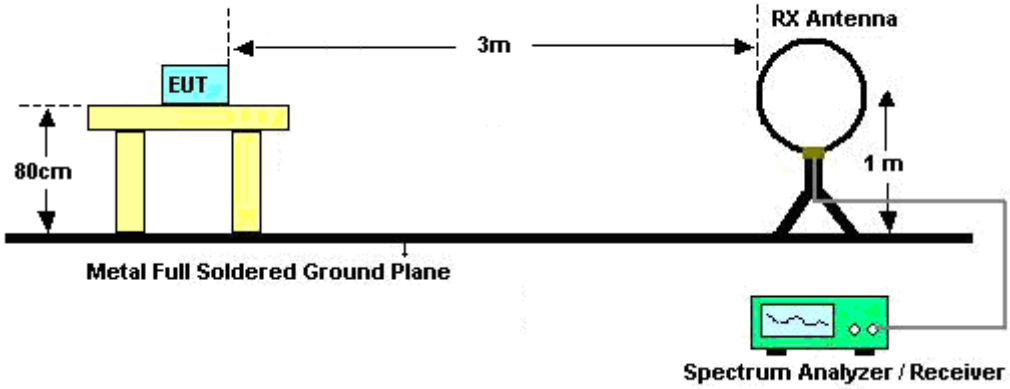
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

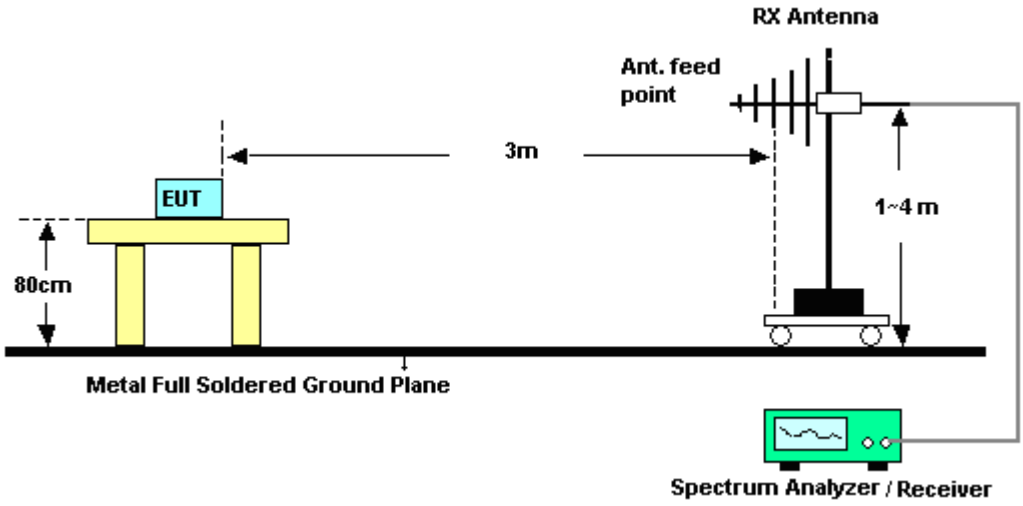
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

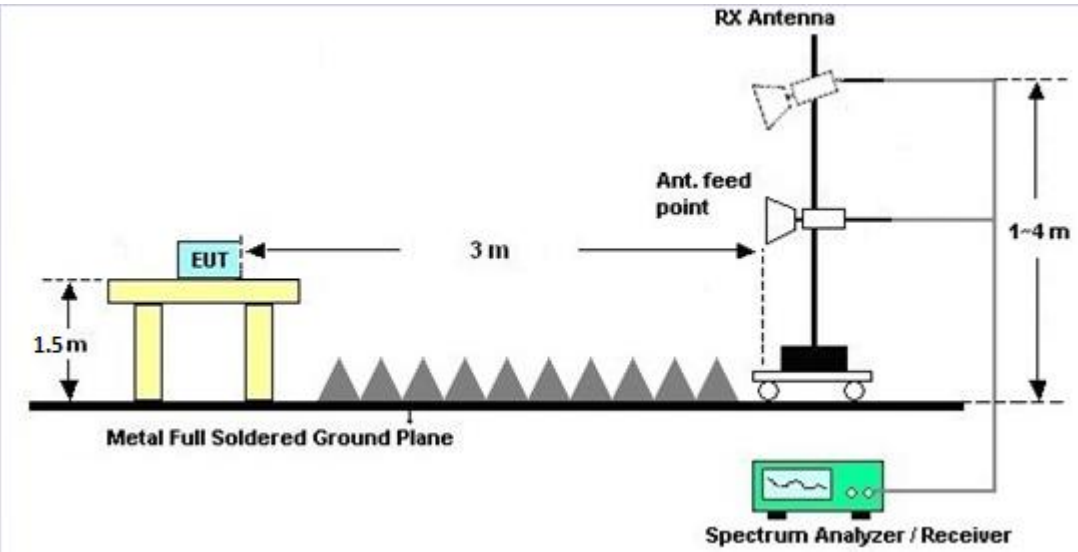
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

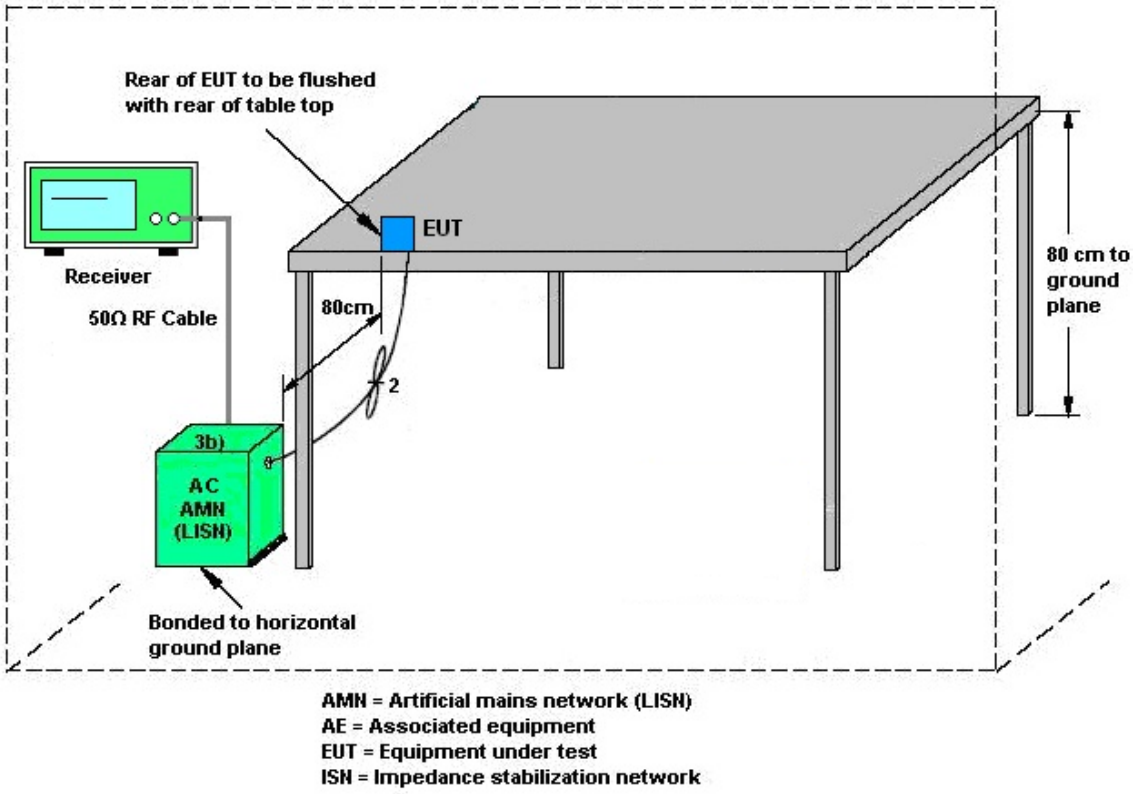
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

EUT is verified this characteristic during the function check of normal sample associated with an access point:

A. Information start: make EUT supply information to the access point.

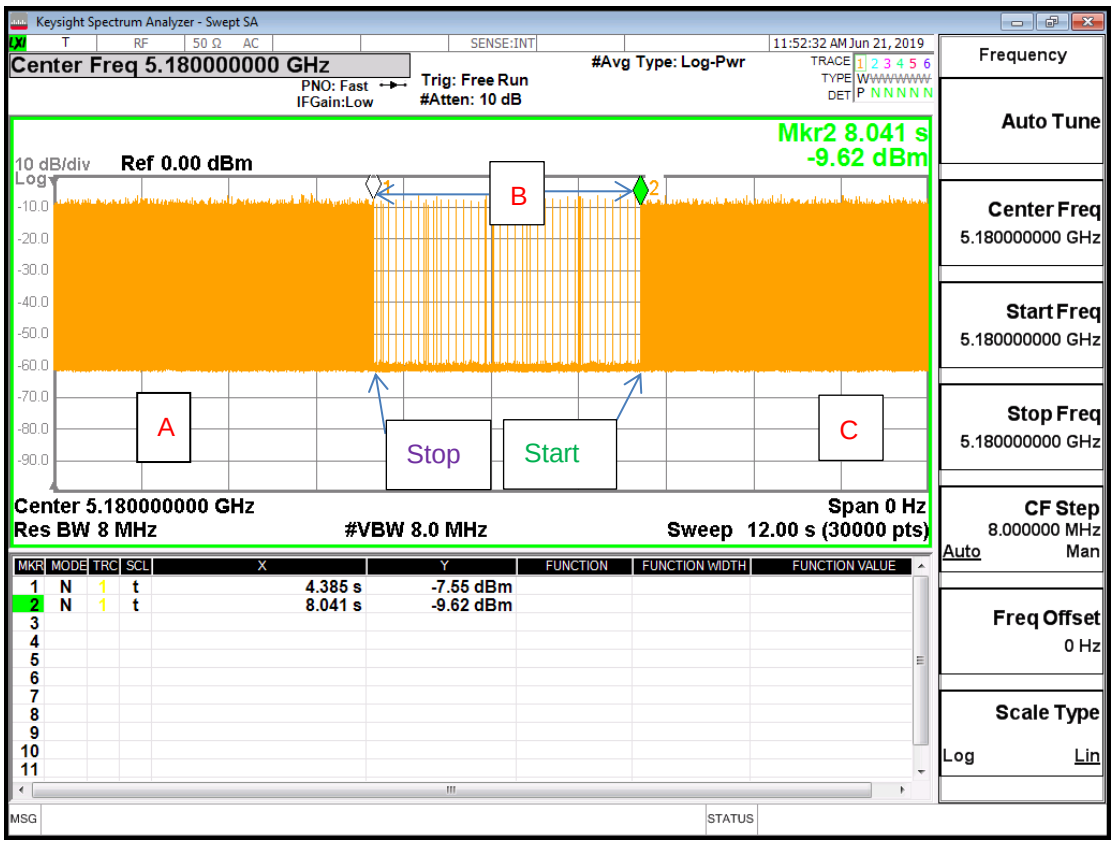
B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5180MHz



Note: The control / signalling information during the period B is precluded.

3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	DTM-303A	TP157075	N/A	Nov. 05, 2018	May 30, 2019~ Jun. 19, 2019	Nov. 04, 2019	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	May 30, 2019~ Jun. 19, 2019	Dec. 18 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	May 30, 2019~ Jun. 19, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	May 30, 2019~ Jun. 19, 2019	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 13, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Jun. 13, 2019	Nov. 11, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Jun. 13, 2019	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jun. 13, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jun. 13, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 13, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jun. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jun. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 07, 2019	Jun. 11, 2019~ Jun. 19, 2019	Jan. 06, 2020	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Feb. 12, 2019	Jun. 11, 2019~ Jun. 19, 2019	Feb. 11, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Oct. 17, 2018	Jun. 11, 2019~ Jun. 19, 2019	Oct. 16, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 05, 2018	Jun. 11, 2019~ Jun. 19, 2019	Dec. 04, 2019	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2018	Jun. 11, 2019~ Jun. 19, 2019	Dec. 27, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Apr. 01, 2018	Jun. 11, 2019~ Jun. 19, 2019	Apr. 31, 2020	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY532701915	1GHz~26.5GHz	Aug. 23, 2018	Jun. 11, 2019~ Jun. 19, 2019	Aug. 22, 2019	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Jun. 11, 2019~ Jun. 19, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY541300815	20Hz ~ 8.4GHz	Nov. 01, 2018	Jun. 11, 2019~ Jun. 19, 2019	Oct. 31, 2019	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-302	SN1	N/A	Jul. 22, 2018	Jun. 11, 2019~ Jun. 19, 2019	Jul. 21, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1G Low Pass	Sep. 16, 2018	Jun. 11, 2019~ Jun. 19, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN3	6.75 GHz Highpass	Sep. 16, 2018	Jun. 11, 2019~ Jun. 19, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 15, 2019	Jun. 11, 2019~ Jun. 19, 2019	Apr. 14, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4	30M-18G	Apr. 15, 2019	Jun. 11, 2019~ Jun. 19, 2019	Apr. 14, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY802430/4	30M~18GHz	May 13, 2019	Jun. 11, 2019~ Jun. 19, 2019	May 12, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 13, 2019	Jun. 11, 2019~ Jun. 19, 2019	Mar. 12, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 13, 2019	Jun. 11, 2019~ Jun. 19, 2019	Mar. 12, 2020	Radiation (03CH15-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Jun. 11, 2019~ Jun. 19, 2019	N/A	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 11, 2019~ Jun. 19, 2019	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 11, 2019~ Jun. 19, 2019	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jun. 11, 2019~ Jun. 19, 2019	N/A	Radiation (03CH15-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Howard Lin	Temperature:	21~25	°C
Test Date:	2019/5/30~2019/6/19	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	16.58	-	23.83	-	-		22.20	-		
11a	6Mbps	1	44	5220	16.63	-	23.88	-	-		22.21	-		
11a	6Mbps	1	48	5240	16.63	-	24.83	-	-		22.21	-		
HT20	MCS0	1	36	5180	17.68	-	24.88	-	-		22.48	-		
HT20	MCS0	1	44	5220	17.68	-	25.43	-	-		22.48	-		
HT20	MCS0	1	48	5240	17.68	-	25.13	-	-		22.48	-		
HT40	MCS0	1	38	5190	36.06	-	41.45	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.16	-	41.36	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.64	-	83.76	-	-		23.01	-		

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	13.30	-		24.00	-	-6.40	-		Pass
11a	6Mbps	1	44	5220	13.50	-		24.00	-	-6.40	-		Pass
11a	6Mbps	1	48	5240	13.30	-		24.00	-	-6.40	-		Pass
HT20	MCS0	1	36	5180	13.50	-		24.00	-	-6.40	-		Pass
HT20	MCS0	1	44	5220	13.30	-		24.00	-	-6.40	-		Pass
HT20	MCS0	1	48	5240	13.30	-		24.00	-	-6.40	-		Pass
HT40	MCS0	1	38	5190	13.50	-		24.00	-	-6.40	-		Pass
HT40	MCS0	1	46	5230	13.30	-		24.00	-	-6.40	-		Pass
VHT20	MCS0	1	36	5180	13.40	-		24.00	-	-6.40	-		Pass
VHT20	MCS0	1	44	5220	13.20	-		24.00	-	-6.40	-		Pass
VHT20	MCS0	1	48	5240	13.20	-		24.00	-	-6.40	-		Pass
VHT40	MCS0	1	38	5190	13.40	-		24.00	-	-6.40	-		Pass
VHT40	MCS0	1	46	5230	13.20	-		24.00	-	-6.40	-		Pass
VHT80	MCS0	1	42	5210	13.00	-		24.00	-	-6.40	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.00	0.00	3.45	-		11.00	-	-6.40	-		Pass
11a	6Mbps	1	44	5220	0.00	0.00	3.82	-		11.00	-	-6.40	-		Pass
11a	6Mbps	1	48	5240	0.00	0.00	3.54	-		11.00	-	-6.40	-		Pass
HT20	MCS0	1	36	5180	0.00	0.00	3.80	-		11.00	-	-6.40	-		Pass
HT20	MCS0	1	44	5220	0.00	0.00	3.66	-		11.00	-	-6.40	-		Pass
HT20	MCS0	1	48	5240	0.00	0.00	3.52	-		11.00	-	-6.40	-		Pass
HT40	MCS0	1	38	5190	0.00	0.00	0.51	-		11.00	-	-6.40	-		Pass
HT40	MCS0	1	46	5230	0.00	0.00	1.00	-		11.00	-	-6.40	-		Pass
VHT80	MCS0	1	42	5210	0.00	0.00	-2.56	-		11.00	-	-6.40	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.63	-	24.88	-	23.21	-	29.21	-	23.98	-	
11a	6Mbps	1	60	5300	16.58	-	24.43	-	23.20	-	29.20	-	23.98	-	
11a	6Mbps	1	64	5320	16.58	-	25.18	-	23.20	-	29.20	-	23.98	-	
HT20	MCS0	1	52	5260	17.63	-	24.98	-	23.46	-	29.46	-	23.98	-	
HT20	MCS0	1	60	5300	17.73	-	26.22	-	23.49	-	29.49	-	23.98	-	
HT20	MCS0	1	64	5320	17.63	-	25.28	-	23.46	-	29.46	-	23.98	-	
HT40	MCS0	1	54	5270	35.96	-	41.72	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	35.96	-	41.63	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.88	-	84.40	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	13.50	-		23.98	-	-6.60	-	30	Pass
11a	6Mbps	1	60	5300	13.50	-		23.98	-	-6.60	-	30	Pass
11a	6Mbps	1	64	5320	13.50	-		23.98	-	-6.60	-	30	Pass
HT20	MCS0	1	52	5260	13.30	-		23.98	-	-6.60	-	30	Pass
HT20	MCS0	1	60	5300	13.40	-		23.98	-	-6.60	-	30	Pass
HT20	MCS0	1	64	5320	13.40	-		23.98	-	-6.60	-	30	Pass
HT40	MCS0	1	54	5270	13.30	-		23.98	-	-6.60	-	30	Pass
HT40	MCS0	1	62	5310	11.90	-		23.98	-	-6.60	-	30	Pass
VHT20	MCS0	1	52	5260	13.20	-		23.98	-	-6.60	-	30	Pass
VHT20	MCS0	1	60	5300	13.30	-		23.98	-	-6.60	-	30	Pass
VHT20	MCS0	1	64	5320	13.30	-		23.98	-	-6.60	-	30	Pass
VHT40	MCS0	1	54	5270	13.20	-		23.98	-	-6.60	-	30	Pass
VHT40	MCS0	1	62	5310	11.80	-		23.98	-	-6.60	-	30	Pass
VHT80	MCS0	1	58	5290	9.40	-		23.98	-	-6.60	-	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		
11a	6Mbps	1	52	5260	0.00	0.00	4.00	-		11.00	-	-6.60	-		Pass
11a	6Mbps	1	60	5300	0.00	0.00	3.86	-		11.00	-	-6.60	-		Pass
11a	6Mbps	1	64	5320	0.00	0.00	3.86	-		11.00	-	-6.60	-		Pass
HT20	MCS0	1	52	5260	0.00	0.00	3.79	-		11.00	-	-6.60	-		Pass
HT20	MCS0	1	60	5300	0.00	0.00	3.47	-		11.00	-	-6.60	-		Pass
HT20	MCS0	1	64	5320	0.00	0.00	3.70	-		11.00	-	-6.60	-		Pass
HT40	MCS0	1	54	5270	0.00	0.00	0.59	-		11.00	-	-6.60	-		Pass
HT40	MCS0	1	62	5310	0.00	0.00	-0.39	-		11.00	-	-6.60	-		Pass
VHT80	MCS0	1	58	5290	0.00	0.00	-6.31	-		11.00	-	-6.60	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.63	-	24.93	-	23.21	-	29.21	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.63	-	24.88	-	23.21	-	29.21	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.63	-	24.83	-	23.21	-	29.21	-	23.98	-	----	----
11a	6Mbps	1	144	5720	13.39	-	17.19	-	22.27	-	28.27	-	23.35	-	2.542	-
HT20	MCS0	1	100	5500	17.68	-	25.23	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.68	-	25.62	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.68	-	26.37	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	144	5720	13.89	-	17.79	-	22.43	-	28.43	-	23.50	-	3.741	-
HT40	MCS0	1	102	5510	36.06	-	41.72	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.16	-	41.72	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	35.96	-	41.27	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	142	5710	33.18	-	36.04	-	23.98	-	30.00	-	23.98	-	2.533	-
VHT80	MCS0	1	106	5530	75.76	-	82.96	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.88	-	83.60	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	138	5690	73.00	-	76.72	-	23.98	-	30.00	-	23.98	-	0.01	-

TEST RESULTS DATA
Average Power Table

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	13.40	-		23.98	-	-3.20	-	30	Pass
11a	6Mbps	1	116	5580	13.30	-		23.98	-	-3.20	-	30	Pass
11a	6Mbps	1	140	5700	13.50	-		23.98	-	-3.20	-	30	Pass
11a	6Mbps	1	144	5720	13.30	-		23.35	-	-3.20	-	30	Pass
HT20	MCS0	1	100	5500	13.30	-		23.98	-	-3.20	-	30	Pass
HT20	MCS0	1	116	5580	13.30	-		23.98	-	-3.20	-	30	Pass
HT20	MCS0	1	140	5700	13.50	-		23.98	-	-3.20	-	30	Pass
HT20	MCS0	1	144	5720	13.30	-		23.50	-	-3.20	-	30	Pass
HT40	MCS0	1	102	5510	13.40	-		23.98	-	-3.20	-	30	Pass
HT40	MCS0	1	110	5550	13.50	-		23.98	-	-3.20	-	30	Pass
HT40	MCS0	1	134	5670	13.40	-		23.98	-	-3.20	-	30	Pass
HT40	MCS0	1	142	5710	13.30	-		23.98	-	-3.20	-	30	Pass
VHT20	MCS0	1	100	5500	13.20	-		23.98	-	-3.20	-	30	Pass
VHT20	MCS0	1	116	5580	13.20	-		23.98	-	-3.20	-	30	Pass
VHT20	MCS0	1	140	5700	13.40	-		23.98	-	-3.20	-	30	Pass
VHT20	MCS0	1	144	5720	13.20	-		23.50	-	-3.20	-	30	Pass
VHT40	MCS0	1	102	5510	13.30	-		23.98	-	-3.20	-	30	Pass
VHT40	MCS0	1	110	5550	13.40	-		23.98	-	-3.20	-	30	Pass
VHT40	MCS0	1	134	5670	13.30	-		23.98	-	-3.20	-	30	Pass
VHT40	MCS0	1	142	5710	13.20	-		23.98	-	-3.20	-	30	Pass
VHT80	MCS0	1	106	5530	13.40	-		23.98	-	-3.20	-	30	Pass
VHT80	MCS0	1	122	5610	13.30	-		23.98	-	-3.20	-	30	Pass
VHT80	MCS0	1	138	5690	13.20	-		23.98	-	-3.20	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.00	0.00	3.05	-		11.00	-	-3.20	-		Pass
11a	6Mbps	1	116	5580	0.00	0.00	2.79	-		11.00	-	-3.20	-		Pass
11a	6Mbps	1	140	5700	0.00	0.00	3.14	-		11.00	-	-3.20	-		Pass
11a	6Mbps	1	144	5720	0.00	0.00	2.95	-		11.00	-	-3.20	-		Pass
HT20	MCS0	1	100	5500	0.00	0.00	2.91	-		11.00	-	-3.20	-		Pass
HT20	MCS0	1	116	5580	0.00	0.00	2.85	-		11.00	-	-3.20	-		Pass
HT20	MCS0	1	140	5700	0.00	0.00	3.32	-		11.00	-	-3.20	-		Pass
HT20	MCS0	1	144	5720	0.00	0.00	2.81	-		11.00	-	-3.20	-		Pass
HT40	MCS0	1	102	5510	0.00	0.00	-0.06	-		11.00	-	-3.20	-		Pass
HT40	MCS0	1	110	5550	0.00	0.00	0.10	-		11.00	-	-3.20	-		Pass
HT40	MCS0	1	134	5670	0.00	0.00	0.12	-		11.00	-	-3.20	-		Pass
HT40	MCS0	1	142	5710	0.00	0.00	-0.09	-		11.00	-	-3.20	-		Pass
VHT80	MCS0	1	106	5530	0.00	0.00	-2.64	-		11.00	-	-3.20	-		Pass
VHT80	MCS0	1	122	5610	0.00	0.00	-2.83	-		11.00	-	-3.20	-		Pass
VHT80	MCS0	1	138	5690	0.00	0.00	-2.69	-		11.00	-	-3.20	-		Pass

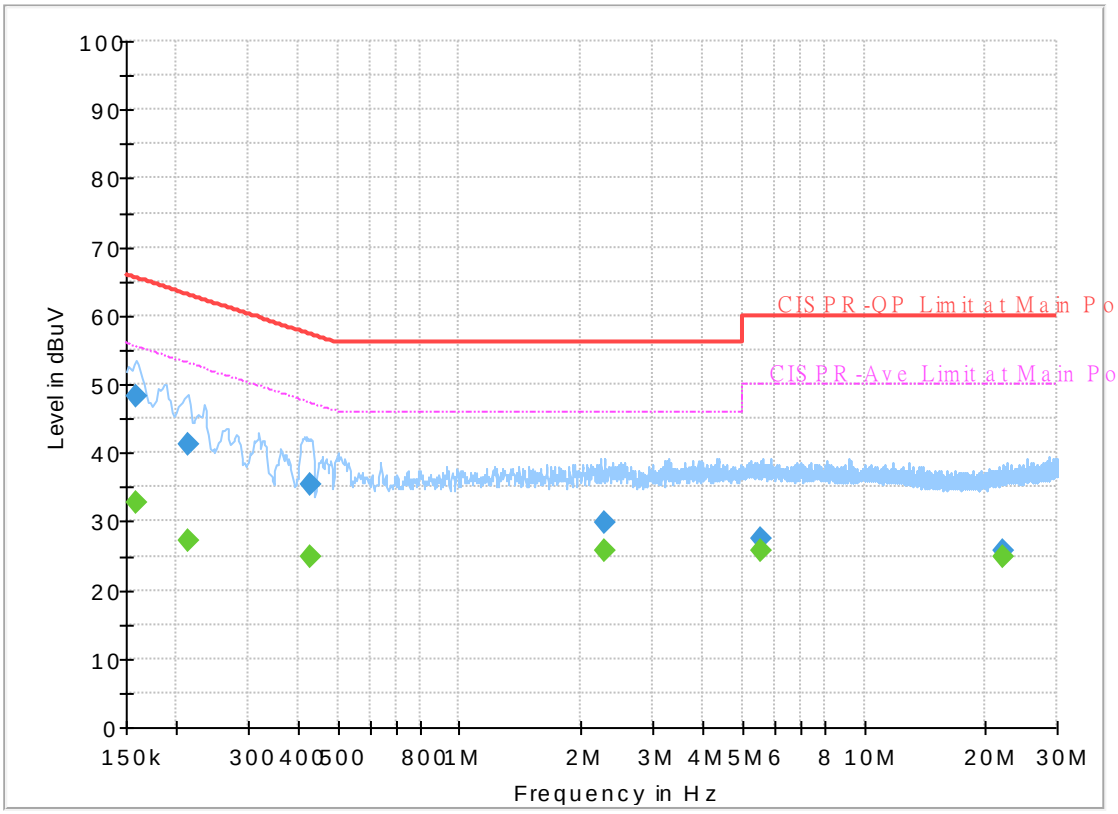
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	**Temperature :**	24~26℃
		Relative Humidity :	53~55%

EUT Information

Report NO :	932517-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



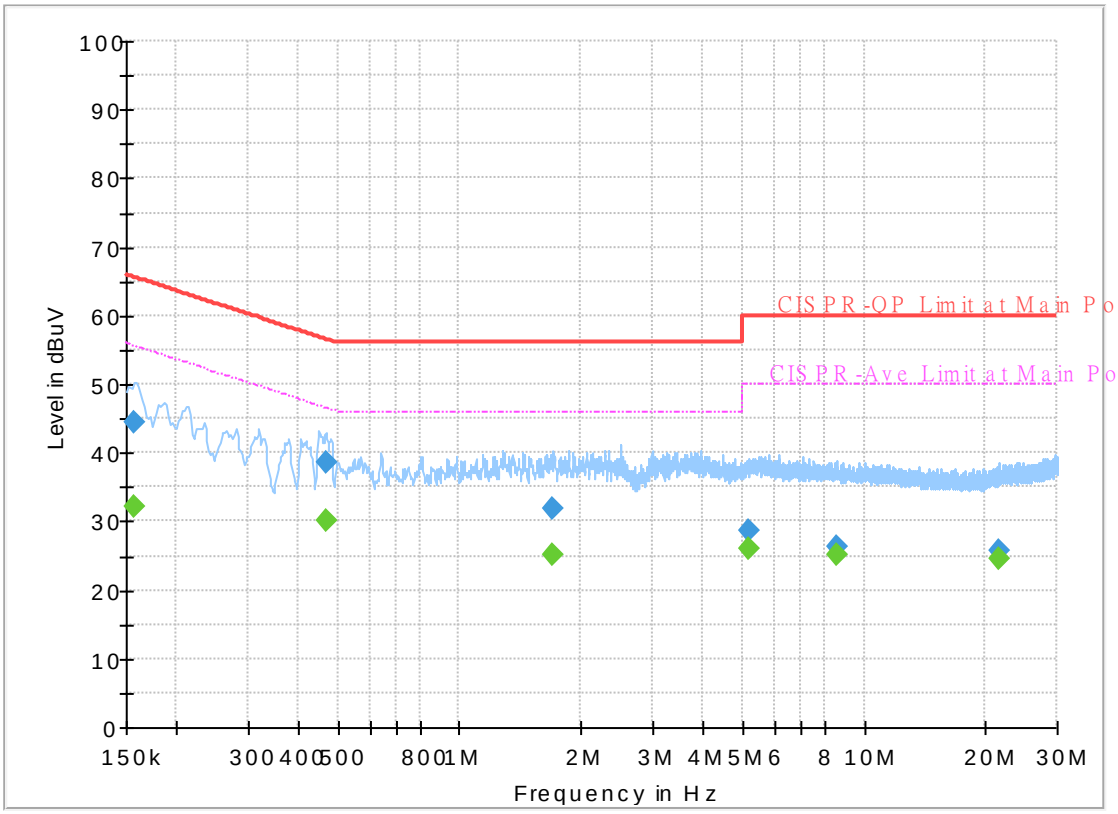
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	32.74	55.52	22.78	L1	OFF	19.5
0.159000	48.25	---	65.52	17.27	L1	OFF	19.5
0.213000	---	27.33	53.09	25.76	L1	OFF	19.5
0.213000	41.12	---	63.09	21.97	L1	OFF	19.5
0.429000	---	24.77	47.27	22.50	L1	OFF	19.5
0.429000	35.36	---	57.27	21.91	L1	OFF	19.5
2.280750	---	25.77	46.00	20.23	L1	OFF	19.5
2.280750	29.78	---	56.00	26.22	L1	OFF	19.5
5.577000	---	25.70	50.00	24.30	L1	OFF	19.7
5.577000	27.50	---	60.00	32.50	L1	OFF	19.7
22.146000	---	24.74	50.00	25.26	L1	OFF	20.3
22.146000	25.83	---	60.00	34.17	L1	OFF	20.3

EUT Information

Report NO :	932517-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	32.05	55.63	23.58	N	OFF	19.5
0.156750	44.51	---	65.63	21.12	N	OFF	19.5
0.467250	---	30.22	46.56	16.34	N	OFF	19.5
0.467250	38.59	---	56.56	17.97	N	OFF	19.5
1.698000	---	25.25	46.00	20.75	N	OFF	19.6
1.698000	31.92	---	56.00	24.08	N	OFF	19.6
5.178750	---	25.91	50.00	24.09	N	OFF	19.7
5.178750	28.76	---	60.00	31.24	N	OFF	19.7
8.524500	---	25.13	50.00	24.87	N	OFF	19.9
8.524500	26.27	---	60.00	33.73	N	OFF	19.9
21.482250	---	24.68	50.00	25.32	N	OFF	20.4
21.482250	25.62	---	60.00	34.38	N	OFF	20.4

Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and BigShow Wang	Temperature :	24~26°C
		Relative Humidity :	45~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5034.84	50.57	-23.43	74	39.92	31.8	9.13	30.28	101	360	P	H
		5139.1	41.09	-12.91	54	30.29	31.83	9.24	30.27	101	360	A	H
	*	5180	102.65	-	-	91.96	31.67	9.29	30.27	101	360	P	H
	*	5180	94.76	-	-	84.07	31.67	9.29	30.27	101	360	A	H
													H
		5090.22	49.73	-24.27	74	38.92	31.9	9.19	30.28	296	253	P	V
		5074.88	40.6	-13.4	54	29.81	31.9	9.17	30.28	296	253	A	V
	*	5180	100.96	-	-	90.27	31.67	9.29	30.27	296	253	P	V
	*	5180	92.86	-	-	82.17	31.67	9.29	30.27	296	253	A	V
													V
802.11a CH 44 5220MHz		5078	50.36	-23.64	74	39.56	31.9	9.18	30.28	102	360	P	H
		5097.5	40.83	-13.17	54	30.01	31.9	9.2	30.28	102	360	A	H
	*	5220	103.4	-	-	92.81	31.53	9.33	30.27	102	360	P	H
	*	5220	95.61	-	-	85.02	31.53	9.33	30.27	102	360	A	H
		5394.2	50.48	-23.52	74	39.75	31.53	9.46	30.26	102	360	P	H
		5458.6	40.51	-13.49	54	29.5	31.7	9.57	30.26	102	360	A	H
		5118.04	49.88	-24.12	74	39.07	31.87	9.22	30.28	308	260	P	V
		5081.12	40.88	-13.12	54	30.08	31.9	9.18	30.28	308	260	A	V
	*	5220	102.07	-	-	91.48	31.53	9.33	30.27	308	260	P	V
	*	5220	93.93	-	-	83.34	31.53	9.33	30.27	308	260	A	V
		5365.08	49.39	-24.61	74	38.76	31.47	9.43	30.27	308	260	P	V
		5445.16	40.74	-13.26	54	29.78	31.67	9.55	30.26	308	260	A	V

802.11a CH 48 5240MHz		5078.26	49.98	-24.02	74	39.18	31.9	9.18	30.28	104	360	P	H
		5072.54	40.77	-13.23	54	29.98	31.9	9.17	30.28	104	360	A	H
	*	5240	104.15	-	-	93.61	31.47	9.34	30.27	104	360	P	H
	*	5240	96.38	-	-	85.84	31.47	9.34	30.27	104	360	A	H
		5448.52	49.74	-24.26	74	38.75	31.7	9.55	30.26	104	360	P	H
		5413.24	40.65	-13.35	54	29.79	31.63	9.49	30.26	104	360	A	H
		5147.42	49.62	-24.38	74	38.84	31.8	9.25	30.27	359	249	P	V
		5112.58	40.69	-13.31	54	29.89	31.87	9.21	30.28	359	249	A	V
	*	5240	102.78	-	-	92.24	31.47	9.34	30.27	359	249	P	V
	*	5240	94.96	-	-	84.42	31.47	9.34	30.27	359	249	A	V
		5414.64	51.27	-22.73	74	40.41	31.63	9.49	30.26	359	249	P	V
		5440.96	40.52	-13.48	54	29.57	31.67	9.54	30.26	359	249	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	46.03	-22.17	68.2	53.85	39.37	13.57	60.76	100	0	P	H
		15540	43.81	-30.19	74	50.42	37.93	17.01	61.55	100	0	P	H
													H
													H
		10360	45.79	-22.41	68.2	53.61	39.37	13.57	60.76	100	0	P	V
		15540	44.98	-29.02	74	51.59	37.93	17.01	61.55	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.24	-22.96	68.2	53.02	39.53	13.65	60.96	100	0	P	H
		15660	44.07	-29.93	74	50.87	37.45	17.16	61.41	100	0	P	H
													H
													H
		10440	45.66	-22.54	68.2	53.44	39.53	13.65	60.96	100	0	P	V
		15660	43.96	-30.04	74	50.76	37.45	17.16	61.41	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.22	-22.98	68.2	53.01	39.58	13.68	61.05	100	0	P	H
		15720	45.02	-28.98	74	51.85	37.3	17.21	61.34	100	0	P	H
													H
													H
		10480	45.82	-22.38	68.2	53.61	39.58	13.68	61.05	100	0	P	V
		15720	44.73	-29.27	74	51.56	37.3	17.21	61.34	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	53.62	-20.38	74	42.83	31.8	9.26	30.27	100	40	P	H
		5147.16	41.06	-12.94	54	30.28	31.8	9.25	30.27	100	40	A	H
	*	5180	101.13	-	-	90.44	31.67	9.29	30.27	100	40	P	H
	*	5180	95.98	-	-	85.29	31.67	9.29	30.27	100	40	A	H
802.11n													H
HT20													H
CH 36		5148.2	50.2	-23.8	74	39.42	31.8	9.25	30.27	369	248	P	V
5180MHz		5150	40.63	-13.37	54	29.84	31.8	9.26	30.27	369	248	A	V
	*	5180	101.37	-	-	90.68	31.67	9.29	30.27	369	248	P	V
	*	5180	93.12	-	-	82.43	31.67	9.29	30.27	369	248	A	V
													V
													V
		5077.74	50.78	-23.22	74	39.98	31.9	9.18	30.28	100	67	P	H
		5095.68	40.22	-13.78	54	29.4	31.9	9.2	30.28	100	67	A	H
	*	5220	102.87	-	-	92.28	31.53	9.33	30.27	100	67	P	H
	*	5220	95.06	-	-	84.47	31.53	9.33	30.27	100	67	A	H
802.11n		5445.16	49.33	-24.67	74	38.37	31.67	9.55	30.26	100	67	P	H
HT20		5449.64	40.09	-13.91	54	29.09	31.7	9.56	30.26	100	67	A	H
CH 44		5105.82	49.81	-24.19	74	39.01	31.87	9.21	30.28	363	249	P	V
5220MHz		5106.6	40.23	-13.77	54	29.43	31.87	9.21	30.28	363	249	A	V
	*	5220	101.64	-	-	91.05	31.53	9.33	30.27	363	249	P	V
	*	5220	93.69	-	-	83.1	31.53	9.33	30.27	363	249	A	V
		5377.4	49.31	-24.69	74	38.66	31.47	9.44	30.26	363	249	P	V
		5448.52	39.97	-14.03	54	28.98	31.7	9.55	30.26	363	249	A	V

		5013	50.6	-23.4	74	40.08	31.7	9.1	30.28	100	40	P	H
		5086.06	40.39	-13.61	54	29.59	31.9	9.18	30.28	100	40	A	H
	*	5240	103.23	-	-	92.69	31.47	9.34	30.27	100	40	P	H
	*	5240	95.18	-	-	84.64	31.47	9.34	30.27	100	40	A	H
802.11n		5447.96	50.13	-23.87	74	39.14	31.7	9.55	30.26	100	40	P	H
HT20		5456.36	40.18	-13.82	54	29.17	31.7	9.57	30.26	100	40	A	H
CH 48		5110.76	50.62	-23.38	74	39.82	31.87	9.21	30.28	360	246	P	V
5240MHz		5078.78	40.43	-13.57	54	29.63	31.9	9.18	30.28	360	246	A	V
	*	5240	103.24	-	-	92.7	31.47	9.34	30.27	360	246	P	V
	*	5240	95.23	-	-	84.69	31.47	9.34	30.27	360	246	A	V
		5427.8	49.32	-24.68	74	38.44	31.63	9.51	30.26	360	246	P	V
		5458.32	40.38	-13.62	54	29.37	31.7	9.57	30.26	360	246	A	V

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

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10360	44.62	-23.58	68.2	52.44	39.37	13.57	60.76	100	0	P	H
		15540	45.38	-28.62	74	51.99	37.93	17.01	61.55	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	45.22	-22.98	68.2	53.04	39.37	13.57	60.76	100	0	P	V
5180MHz		15540	44.63	-29.37	74	51.24	37.93	17.01	61.55	100	0	P	V
													V
													V
		10440	44.64	-23.56	68.2	52.42	39.53	13.65	60.96	100	0	P	H
		15660	44.4	-29.6	74	51.2	37.45	17.16	61.41	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	44.84	-23.36	68.2	52.62	39.53	13.65	60.96	100	0	P	V
5220MHz		15660	44.12	-29.88	74	50.92	37.45	17.16	61.41	100	0	P	V
													V
													V
		10480	43.57	-24.63	68.2	51.36	39.58	13.68	61.05	100	0	P	H
		15720	45.01	-28.99	74	51.84	37.3	17.21	61.34	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	44.22	-23.98	68.2	52.01	39.58	13.68	61.05	100	0	P	V
5240MHz		15720	45.66	-28.34	74	52.49	37.3	17.21	61.34	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.24	57.14	-16.86	74	46.36	31.8	9.25	30.27	100	40	P	H
		5150	48.99	-5.01	54	38.2	31.8	9.26	30.27	100	40	A	H
	*	5190	100.38	-	-	89.68	31.67	9.3	30.27	100	40	P	H
	*	5190	92.21	-	-	81.51	31.67	9.3	30.27	100	40	A	H
		5435.92	49.71	-24.29	74	38.77	31.67	9.53	30.26	100	40	P	H
		5447.4	40.78	-13.22	54	29.79	31.7	9.55	30.26	100	40	A	H
		5149.24	53.72	-20.28	74	42.94	31.8	9.25	30.27	347	254	P	V
		5150	45.32	-8.68	54	34.53	31.8	9.26	30.27	347	254	A	V
	*	5190	98.37	-	-	87.67	31.67	9.3	30.27	347	254	P	V
	*	5190	90.73	-	-	80.03	31.67	9.3	30.27	347	254	A	V
		5420.8	49.68	-24.32	74	38.81	31.63	9.5	30.26	347	254	P	V
		5413.8	40.6	-13.4	54	29.74	31.63	9.49	30.26	347	254	A	V
802.11n HT40 CH 46 5230MHz		5135.46	50.43	-23.57	74	39.63	31.83	9.24	30.27	100	33	P	H
		5116.74	41.02	-12.98	54	30.21	31.87	9.22	30.28	100	33	A	H
	*	5230	101.9	-	-	91.37	31.47	9.33	30.27	100	33	P	H
	*	5230	94.11	-	-	83.58	31.47	9.33	30.27	100	33	A	H
		5364.52	49.71	-24.29	74	39.08	31.47	9.43	30.27	100	33	P	H
		5441.24	40.89	-13.11	54	29.94	31.67	9.54	30.26	100	33	A	H
		5093.34	49.94	-24.06	74	39.13	31.9	9.19	30.28	359	265	P	V
		5107.64	40.96	-13.04	54	30.16	31.87	9.21	30.28	359	265	A	V
	*	5230	98.74	-	-	88.21	31.47	9.33	30.27	359	265	P	V
	*	5230	90.41	-	-	79.88	31.47	9.33	30.27	359	265	A	V
		5356.12	49.66	-24.34	74	39.1	31.4	9.43	30.27	359	265	P	V
		5390.56	40.88	-13.12	54	30.16	31.53	9.45	30.26	359	265	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10380	44.11	-24.09	68.2	51.9	39.43	13.59	60.81	100	0	P	H
		15570	46.16	-27.84	74	52.86	37.77	17.05	61.52	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	43.94	-24.26	68.2	51.73	39.43	13.59	60.81	100	0	P	V
5190MHz		15570	45.47	-28.53	74	52.17	37.77	17.05	61.52	100	0	P	V
													V
													V
		10460	44.31	-23.89	68.2	52.1	39.55	13.66	61	100	0	P	H
		15690	44.9	-29.1	74	51.73	37.35	17.19	61.37	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	44.07	-24.13	68.2	51.86	39.55	13.66	61	100	0	P	V
5230MHz		15690	45.01	-28.99	74	51.84	37.35	17.19	61.37	100	0	P	V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.5	57.88	-16.12	74	47.1	31.8	9.25	30.27	100	46	P	H
		5149.24	50.24	-3.76	54	39.46	31.8	9.25	30.27	100	46	A	H
	*	5210	98.63	-	-	88.05	31.53	9.32	30.27	100	46	P	H
	*	5210	90.81	-	-	80.23	31.53	9.32	30.27	100	46	A	H
		5438.44	50.43	-23.57	74	39.49	31.67	9.53	30.26	100	46	P	H
		5454.96	40.9	-13.1	54	29.89	31.7	9.57	30.26	100	46	A	H
		5144.56	52.99	-21.01	74	42.21	31.8	9.25	30.27	386	247	P	V
		5150	44.58	-9.42	54	33.79	31.8	9.26	30.27	386	247	A	V
	*	5210	95.22	-	-	84.64	31.53	9.32	30.27	386	247	P	V
	*	5210	87.38	-	-	76.8	31.53	9.32	30.27	386	247	A	V
		5391.4	50.27	-23.73	74	39.55	31.53	9.45	30.26	386	247	P	V
		5447.4	41	-13	54	30.01	31.7	9.55	30.26	386	247	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10420	44.54	-23.66	68.2	52.31	39.52	13.62	60.91	100	0	P	H
		15630	45.36	-28.64	74	52.18	37.5	17.12	61.44	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.14	-24.06	68.2	51.91	39.52	13.62	60.91	100	0	P	V
5210MHz		15630	44.65	-29.35	74	51.47	37.5	17.12	61.44	100	0	P	V
													V
													V

Remark

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

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5139.74	49.27	-24.73	74	38.5	31.8	9.24	30.27	100	67	P	H
		5106.76	40.82	-13.18	54	30.02	31.87	9.21	30.28	100	67	A	H
	*	5260	104.57	-	-	94.08	31.4	9.36	30.27	100	67	P	H
	*	5260	96.57	-	-	86.08	31.4	9.36	30.27	100	67	A	H
		5398.8	49.64	-24.36	74	38.84	31.6	9.46	30.26	100	67	P	H
		5459.76	40.74	-13.26	54	29.72	31.7	9.58	30.26	100	67	A	H
		5103.36	49.66	-24.34	74	38.84	31.9	9.2	30.28	340	254	P	V
		5106.42	40.81	-13.19	54	30.01	31.87	9.21	30.28	340	254	A	V
	*	5260	103.17	-	-	92.68	31.4	9.36	30.27	340	254	P	V
	*	5260	95.37	-	-	84.88	31.4	9.36	30.27	340	254	A	V
		5414.88	50.17	-23.83	74	39.31	31.63	9.49	30.26	340	254	P	V
		5425.92	40.68	-13.32	54	29.8	31.63	9.51	30.26	340	254	A	V
802.11a CH 60 5300MHz		5057.8	49.23	-24.77	74	38.46	31.9	9.15	30.28	100	66	P	H
		5100.3	40.88	-13.12	54	30.06	31.9	9.2	30.28	100	66	A	H
	*	5300	104.83	-	-	94.31	31.4	9.39	30.27	100	66	P	H
	*	5300	97.09	-	-	86.57	31.4	9.39	30.27	100	66	A	H
		5350.56	50.55	-23.45	74	40	31.4	9.42	30.27	100	66	P	H
		5357.52	41.08	-12.92	54	30.52	31.4	9.43	30.27	100	66	A	H
		5134.64	49.93	-24.07	74	39.13	31.83	9.24	30.27	373	255	P	V
		5105.74	40.91	-13.09	54	30.11	31.87	9.21	30.28	373	255	A	V
	*	5300	103.68	-	-	93.16	31.4	9.39	30.27	373	255	P	V
	*	5300	95.75	-	-	85.23	31.4	9.39	30.27	373	255	A	V
		5430.48	49.72	-24.28	74	38.79	31.67	9.52	30.26	373	255	P	V
		5457.84	40.82	-13.18	54	29.81	31.7	9.57	30.26	373	255	A	V

802.11a CH 64 5320MHz	*	5320	104.83	-	-	94.3	31.4	9.4	30.27	100	60	P	H
	*	5320	96.99	-	-	86.46	31.4	9.4	30.27	100	60	A	H
		5352.8	52.67	-21.33	74	42.12	31.4	9.42	30.27	100	60	P	H
		5350.24	41.99	-12.01	54	31.44	31.4	9.42	30.27	100	60	A	H
													H
													H
	*	5320	104.35	-	-	93.82	31.4	9.4	30.27	351	256	P	V
	*	5320	96.41	-	-	85.88	31.4	9.4	30.27	351	256	A	V
		5351.36	50.58	-23.42	74	40.03	31.4	9.42	30.27	351	256	P	V
		5350.08	41.46	-12.54	54	30.91	31.4	9.42	30.27	351	256	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	45.08	-23.12	68.2	52.88	39.63	13.69	61.12	100	0	P	H
		15780	44.74	-29.26	74	51.43	37.3	17.27	61.26	100	0	P	H
													H
													H
		10520	46.66	-21.54	68.2	54.46	39.63	13.69	61.12	100	0	P	V
		15780	44.48	-29.52	74	51.17	37.3	17.27	61.26	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	49.34	-24.66	74	57.05	39.8	13.71	61.22	100	0	P	H
		15900	46.09	-27.91	74	52.83	37	17.38	61.12	100	0	P	H
													H
													H
		10600	48.02	-25.98	74	55.73	39.8	13.71	61.22	100	0	P	V
		15900	45.19	-28.81	74	51.93	37	17.38	61.12	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.81	-27.19	74	54.56	39.8	13.72	61.27	100	0	P	H
		15960	43.72	-30.28	74	50.51	36.93	17.33	61.05	100	0	P	H
													H
													H
		10640	49.25	-24.75	74	57	39.8	13.72	61.27	100	0	P	V
		15960	43.76	-30.24	74	50.55	36.93	17.33	61.05	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5072.08	50.5	-23.5	74	39.71	31.9	9.17	30.28	100	31	P	H
		5100.98	40.53	-13.47	54	29.71	31.9	9.2	30.28	100	31	A	H
	*	5260	104.19	-	-	93.7	31.4	9.36	30.27	100	31	P	H
	*	5260	96.07	-	-	85.58	31.4	9.36	30.27	100	31	A	H
802.11n		5415.36	50.19	-23.81	74	39.33	31.63	9.49	30.26	100	31	P	H
HT20		5415.12	40.41	-13.59	54	29.55	31.63	9.49	30.26	100	31	A	H
CH 52		5024.48	50.71	-23.29	74	40.07	31.8	9.12	30.28	342	251	P	V
5260MHz		5106.76	40.49	-13.51	54	29.69	31.87	9.21	30.28	342	251	A	V
	*	5260	103.19	-	-	92.7	31.4	9.36	30.27	342	251	P	V
	*	5260	95.15	-	-	84.66	31.4	9.36	30.27	342	251	A	V
		5449.92	50.6	-23.4	74	39.6	31.7	9.56	30.26	342	251	P	V
		5454.48	40.42	-13.58	54	29.41	31.7	9.57	30.26	342	251	A	V
		5066.64	49.9	-24.1	74	39.12	31.9	9.16	30.28	100	55	P	H
		5072.76	40.41	-13.59	54	29.62	31.9	9.17	30.28	100	55	A	H
	*	5300	104.37	-	-	93.85	31.4	9.39	30.27	100	55	P	H
	*	5300	96.51	-	-	85.99	31.4	9.39	30.27	100	55	A	H
802.11n		5369.04	50.39	-23.61	74	39.75	31.47	9.44	30.27	100	55	P	H
HT20		5356.8	41.01	-12.99	54	30.45	31.4	9.43	30.27	100	55	A	H
CH 60		5075.48	49.38	-24.62	74	38.59	31.9	9.17	30.28	372	255	P	V
5300MHz		5077.18	40.45	-13.55	54	29.66	31.9	9.17	30.28	372	255	A	V
	*	5320	103.35	-	-	92.82	31.4	9.4	30.27	372	255	P	V
	*	5320	95.48	-	-	84.95	31.4	9.4	30.27	372	255	A	V
		5379.84	49.98	-24.02	74	39.27	31.53	9.44	30.26	372	255	P	V
		5363.04	40.44	-13.56	54	29.81	31.47	9.43	30.27	372	255	A	V

	*	5320	104.02	-	-	93.49	31.4	9.4	30.27	100	54	P	H
	*	5320	101.69	-	-	91.16	31.4	9.4	30.27	100	54	A	H
		5433.12	49.84	-24.16	74	38.91	31.67	9.52	30.26	100	54	P	H
		5350.08	41.41	-12.59	54	30.86	31.4	9.42	30.27	100	54	A	H
802.11n													H
HT20													H
CH 64	*	5320	103.15	-	-	92.62	31.4	9.4	30.27	314	253	P	V
5320MHz	*	5320	101.23	-	-	90.7	31.4	9.4	30.27	314	253	A	V
		5443.44	50.2	-23.8	74	39.25	31.67	9.54	30.26	314	253	P	V
		5350.32	40.84	-13.16	54	30.29	31.4	9.42	30.27	314	253	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10520	44.45	-23.75	68.2	52.25	39.63	13.69	61.12	100	0	P	H
		15780	44.67	-29.33	74	51.36	37.3	17.27	61.26	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	45.96	-22.24	68.2	53.76	39.63	13.69	61.12	100	0	P	V
5260MHz		15780	45.39	-28.61	74	52.08	37.3	17.27	61.26	100	0	P	V
													V
													V
		10600	44.84	-29.16	74	52.55	39.8	13.71	61.22	100	0	P	H
		15900	44.53	-29.47	74	51.27	37	17.38	61.12	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	44.92	-29.08	74	52.63	39.8	13.71	61.22	100	0	P	V
5300MHz		15900	45.02	-28.98	74	51.76	37	17.38	61.12	100	0	P	V
													V
													V
		10640	46.17	-27.83	74	53.92	39.8	13.72	61.27	100	0	P	H
		15960	44.9	-29.1	74	51.69	36.93	17.33	61.05	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	45.96	-28.04	74	53.71	39.8	13.72	61.27	100	0	P	V
5320MHz		15960	44.19	-29.81	74	50.98	36.93	17.33	61.05	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5040.46	49.47	-24.53	74	38.72	31.9	9.13	30.28	100	32	P	H
		5105.74	41.02	-12.98	54	30.22	31.87	9.21	30.28	100	32	A	H
	*	5270	101.21	-	-	90.72	31.4	9.36	30.27	100	32	P	H
	*	5270	93.44	-	-	82.95	31.4	9.36	30.27	100	32	A	H
		5352.96	51.29	-22.71	74	40.74	31.4	9.42	30.27	100	32	P	H
		5357.28	41.01	-12.99	54	30.45	31.4	9.43	30.27	100	32	A	H
		5140.76	50.92	-23.08	74	40.15	31.8	9.24	30.27	304	254	P	V
		5095.54	40.9	-13.1	54	30.08	31.9	9.2	30.28	304	254	A	V
	*	5270	98.8	-	-	88.31	31.4	9.36	30.27	304	254	P	V
	*	5270	91.19	-	-	80.7	31.4	9.36	30.27	304	254	A	V
		5446.32	50.64	-23.36	74	39.65	31.7	9.55	30.26	304	254	P	V
		5390.4	40.7	-13.3	54	29.98	31.53	9.45	30.26	304	254	A	V
802.11n HT40 CH 62 5310MHz		5106.08	50.9	-23.1	74	40.1	31.87	9.21	30.28	100	53	P	H
		5113.9	40.88	-13.12	54	30.07	31.87	9.22	30.28	100	53	A	H
	*	5310	101.24	-	-	90.72	31.4	9.39	30.27	100	53	P	H
	*	5310	92.59	-	-	82.07	31.4	9.39	30.27	100	53	A	H
		5350.56	59.2	-14.8	74	48.65	31.4	9.42	30.27	100	53	P	H
		5350	50.7	-3.3	54	40.15	31.4	9.42	30.27	100	53	A	H
		5107.78	50.77	-23.23	74	39.97	31.87	9.21	30.28	372	256	P	V
		5064.94	41.03	-12.97	54	30.25	31.9	9.16	30.28	372	256	A	V
	*	5310	99.61	-	-	89.09	31.4	9.39	30.27	372	256	P	V
	*	5310	91.27	-	-	80.75	31.4	9.39	30.27	372	256	A	V
		5350.08	53.41	-20.59	74	42.86	31.4	9.42	30.27	372	256	P	V
		5350.08	46.26	-7.74	54	35.71	31.4	9.42	30.27	372	256	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10540	44.62	-23.58	68.2	52.4	39.67	13.7	61.15	100	0	P	V
		15810	45.53	-28.47	74	52.16	37.3	17.3	61.23	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	44.28	-23.92	68.2	52.06	39.67	13.7	61.15	100	0	P	V
5270MHz		15810	45.16	-28.84	74	51.79	37.3	17.3	61.23	100	0	P	V
													V
													V
		10620	45.09	-28.91	74	52.81	39.8	13.72	61.24	100	0	P	H
		15930	45	-29	74	51.75	36.97	17.36	61.08	100	0	P	H
802.11n												P	H
HT40												P	H
CH 62		10620	44.75	-29.25	74	52.47	39.8	13.72	61.24	100	0	P	V
5310MHz		15930	44.54	-29.46	74	51.29	36.97	17.36	61.08	100	0	P	V
												P	V
												P	V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5112.88	49.69	-24.31	74	38.89	31.87	9.21	30.28	100	51	P	H
		5097.92	40.86	-13.14	54	30.04	31.9	9.2	30.28	100	51	A	H
	*	5290	96.19	-	-	85.68	31.4	9.38	30.27	100	51	P	H
	*	5290	88.35	-	-	77.84	31.4	9.38	30.27	100	51	A	H
		5351.76	58.37	-15.63	74	47.82	31.4	9.42	30.27	100	51	P	H
		5350.08	48.95	-5.05	54	38.4	31.4	9.42	30.27	100	51	A	H
		5117.3	50.26	-23.74	74	39.45	31.87	9.22	30.28	318	248	P	V
		5090.78	40.83	-13.17	54	30.02	31.9	9.19	30.28	318	248	A	V
	*	5290	92.74	-	-	82.23	31.4	9.38	30.27	318	248	P	V
	*	5290	84.98	-	-	74.47	31.4	9.38	30.27	318	248	A	V
		5354.16	53.84	-20.16	74	43.28	31.4	9.43	30.27	318	248	P	V
		5352.48	45.29	-8.71	54	34.74	31.4	9.42	30.27	318	248	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10580	43.77	-24.43	68.2	51.49	39.77	13.71	61.2	100	0	P	H
		15870	44.17	-29.83	74	50.92	37.06	17.35	61.16	100	0	P	H
802.11ac												P	H
VHT80												P	H
CH 58		10580	43.46	-24.74	68.2	51.18	39.77	13.71	61.2	100	0	P	V
5290MHz		15870	43.7	-30.3	74	50.45	37.06	17.35	61.16	100	0	P	V
												P	V
												P	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5458.96	53.94	-20.06	74	42.93	31.7	9.57	30.26	100	48	P	H
		5469.52	55.52	-12.68	68.2	44.48	31.7	9.6	30.26	100	48	P	H
		5453.68	42.65	-11.35	54	31.65	31.7	9.56	30.26	100	48	A	H
	*	5500	105.72	-	-	94.62	31.7	9.66	30.26	100	48	P	H
	*	5500	97.36	-	-	86.26	31.7	9.66	30.26	100	48	A	H
													H
		5457.52	52.22	-21.78	74	41.21	31.7	9.57	30.26	312	259	P	V
		5468.88	50.75	-17.45	68.2	39.72	31.7	9.59	30.26	312	259	P	V
		5440.08	41.82	-12.18	54	30.87	31.67	9.54	30.26	312	259	A	V
	*	5500	103.59	-	-	92.49	31.7	9.66	30.26	312	259	P	V
	*	5500	95.85	-	-	84.75	31.7	9.66	30.26	312	259	A	V
													V
802.11a CH 116 5580MHz		5381.68	50.36	-23.64	74	39.64	31.53	9.45	30.26	100	39	P	H
		5463.52	51.02	-17.18	68.2	40	31.7	9.58	30.26	100	39	P	H
		5454.16	40.89	-13.11	54	29.88	31.7	9.57	30.26	100	39	A	H
	*	5580	103.25	-	-	91.94	31.8	9.81	30.3	100	39	P	H
	*	5580	95.42	-	-	84.11	31.8	9.81	30.3	100	39	A	H
		5765	49.85	-18.35	68.2	38.31	32.07	9.87	30.4	100	39	P	H
		5350.24	49.83	-24.17	74	39.28	31.4	9.42	30.27	318	251	P	V
		5467.6	50.09	-18.11	68.2	39.06	31.7	9.59	30.26	318	251	P	V
		5449.6	40.65	-13.35	54	29.65	31.7	9.56	30.26	318	251	A	V
	*	5580	103.16	-	-	91.85	31.8	9.81	30.3	318	251	P	V
	*	5580	95.19	-	-	83.88	31.8	9.81	30.3	318	251	A	V
		5749.88	49.88	-18.32	68.2	38.41	32	9.86	30.39	318	251	P	V

802.11a CH 140 5700MHz	*	5700	101.89	-	-	90.59	31.8	9.86	30.36	100	42	P	H
	*	5700	93.51	-	-	82.21	31.8	9.86	30.36	100	42	A	H
		5728.44	51.64	-16.56	68.2	40.23	31.93	9.86	30.38	100	42	P	H
													H
													H
													H
	*	5700	102.42	-	-	91.12	31.8	9.86	30.36	307	257	P	V
	*	5700	94.63	-	-	83.33	31.8	9.86	30.36	307	257	A	V
		5726.12	51.6	-16.6	68.2	40.19	31.93	9.86	30.38	307	257	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	46.79	-27.21	74	54.23	40.4	13.86	61.7	100	0	P	H
		16500	45.23	-22.97	68.2	48.78	38.6	17.55	59.7	100	0	P	H
													H
													H
		11000	46.96	-27.04	74	54.4	40.4	13.86	61.7	100	0	P	V
		16500	45.48	-22.72	68.2	49.03	38.6	17.55	59.7	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	46.86	-27.14	74	54.65	39.93	14.14	61.86	100	0	P	H
		16740	48.2	-20	68.2	50.15	39.78	17.92	59.65	100	0	P	H
													H
													H
		11160	47.01	-26.99	74	54.8	39.93	14.14	61.86	100	0	P	V
		16740	47.45	-20.75	68.2	49.4	39.78	17.92	59.65	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.03	-26.97	74	54.6	40	14.53	62.1	100	0	P	H
		17100	48.8	-19.4	68.2	49.44	40.5	18.24	59.38	100	0	P	H
													H
													H
		11400	46.72	-27.28	74	54.29	40	14.53	62.1	100	0	P	V
		17100	49.28	-18.92	68.2	49.92	40.5	18.24	59.38	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5447.92	50.65	-23.35	74	39.66	31.7	9.55	30.26	100	45	P	H
		5468.08	51.65	-16.55	68.2	40.62	31.7	9.59	30.26	100	45	P	H
		5457.52	41.03	-12.97	54	30.02	31.7	9.57	30.26	100	45	A	H
	*	5500	102.98	-	-	91.88	31.7	9.66	30.26	100	45	P	H
802.11n	*	5500	94.83	-	-	83.73	31.7	9.66	30.26	100	45	A	H
HT20													H
CH 100		5454.48	51.27	-22.73	74	40.26	31.7	9.57	30.26	313	254	P	V
5500MHz		5465.84	50.62	-17.58	68.2	39.59	31.7	9.59	30.26	313	254	P	V
		5458.96	40.79	-13.21	54	29.78	31.7	9.57	30.26	313	254	A	V
	*	5500	102.7	-	-	91.6	31.7	9.66	30.26	313	254	P	V
	*	5500	94.75	-	-	83.65	31.7	9.66	30.26	313	254	A	V
													V
		5435.68	49.88	-24.12	74	38.94	31.67	9.53	30.26	100	44	P	H
		5466.88	49.79	-18.41	68.2	38.76	31.7	9.59	30.26	100	44	P	H
		5455.12	40.07	-13.93	54	29.06	31.7	9.57	30.26	100	44	A	H
	*	5580	102.68	-	-	91.37	31.8	9.81	30.3	100	44	P	H
802.11n	*	5580	94.29	-	-	82.98	31.8	9.81	30.3	100	44	A	H
HT20		5753.345	48.87	-19.33	68.2	37.32	32.07	9.87	30.39	100	44	P	H
CH 116		5452	49.4	-24.6	74	38.4	31.7	9.56	30.26	319	239	P	V
5580MHz		5465.92	48.83	-19.37	68.2	37.8	31.7	9.59	30.26	319	239	P	V
		5458	40.06	-13.94	54	29.05	31.7	9.57	30.26	319	239	A	V
	*	5580	102.23	-	-	90.92	31.8	9.81	30.3	319	239	P	V
	*	5580	94.34	-	-	83.03	31.8	9.81	30.3	319	239	A	V
		5760.59	49.34	-18.86	68.2	37.8	32.07	9.87	30.4	319	239	P	V

	*	5700	100.99	-	-	89.69	31.8	9.86	30.36	100	40	P	H
	*	5700	92.61	-	-	81.31	31.8	9.86	30.36	100	40	A	H
		5727.96	50.64	-17.56	68.2	39.23	31.93	9.86	30.38	100	40	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	102.26	-	-	90.96	31.8	9.86	30.36	305	258	P	V
5700MHz	*	5700	93.98	-	-	82.68	31.8	9.86	30.36	305	258	A	V
		5727.88	50.54	-17.66	68.2	39.13	31.93	9.86	30.38	305	258	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11000	46.07	-27.93	74	53.51	40.4	13.86	61.7	100	0	P	H
		16500	45.4	-22.8	68.2	48.95	38.6	17.55	59.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	46.98	-27.02	74	54.42	40.4	13.86	61.7	100	0	P	V
5500MHz		16500	45.2	-23	68.2	48.75	38.6	17.55	59.7	100	0	P	V
													V
													V
		11160	46.09	-27.91	74	53.88	39.93	14.14	61.86	100	0	P	H
		16740	47.03	-21.17	68.2	48.98	39.78	17.92	59.65	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	45.84	-28.16	74	53.63	39.93	14.14	61.86	100	0	P	V
5580MHz		16740	48.18	-20.02	68.2	50.13	39.78	17.92	59.65	100	0	P	V
													V
													V
		11400	45.24	-28.76	74	52.81	40	14.53	62.1	100	0	P	H
		17100	49.2	-19	68.2	49.84	40.5	18.24	59.38	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.52	-27.48	74	54.09	40	14.53	62.1	100	0	P	V
5700MHz		17100	49.32	-18.88	68.2	49.96	40.5	18.24	59.38	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5459.44	50.53	-23.47	74	39.51	31.7	9.58	30.26	100	47	P	H
		5469.52	53.42	-14.78	68.2	42.38	31.7	9.6	30.26	100	47	P	H
		5459.92	42.24	-11.76	54	31.22	31.7	9.58	30.26	100	47	A	H
	*	5510	100.67	-	-	89.57	31.7	9.67	30.27	100	47	P	H
802.11n	*	5510	92.37	-	-	81.27	31.7	9.67	30.27	100	47	A	H
HT40		5727.83	49.95	-18.25	68.2	38.54	31.93	9.86	30.38	100	47	P	H
CH 102		5454.4	50.21	-23.79	74	39.2	31.7	9.57	30.26	308	259	P	V
5510MHz		5468.08	52.57	-15.63	68.2	41.54	31.7	9.59	30.26	308	259	P	V
		5459.68	41.63	-12.37	54	30.61	31.7	9.58	30.26	308	259	A	V
	*	5510	99.77	-	-	88.67	31.7	9.67	30.27	308	259	P	V
	*	5510	91.96	-	-	80.86	31.7	9.67	30.27	308	259	A	V
		5763.74	50.03	-18.17	68.2	38.49	32.07	9.87	30.4	308	259	P	V
		5458.24	49.67	-24.33	74	38.66	31.7	9.57	30.26	100	46	P	H
		5469.76	49.19	-19.01	68.2	38.15	31.7	9.6	30.26	100	46	P	H
		5458.72	40.76	-13.24	54	29.75	31.7	9.57	30.26	100	46	A	H
	*	5550	99.9	-	-	88.64	31.8	9.75	30.29	100	46	P	H
802.11n	*	5550	91.78	-	-	80.52	31.8	9.75	30.29	100	46	A	H
HT40		5755.865	48.87	-19.33	68.2	37.32	32.07	9.87	30.39	100	46	P	H
CH 110		5459.44	50.29	-23.71	74	39.27	31.7	9.58	30.26	323	261	P	V
5550MHz		5463.04	49.82	-18.38	68.2	38.8	31.7	9.58	30.26	323	261	P	V
		5415.04	40.53	-13.47	54	29.67	31.63	9.49	30.26	323	261	A	V
	*	5550	99.98	-	-	88.72	31.8	9.75	30.29	323	261	P	V
	*	5550	92.1	-	-	80.84	31.8	9.75	30.29	323	261	A	V
		5762.165	49.54	-18.66	68.2	38	32.07	9.87	30.4	323	261	P	V

		5459.2	49.58	-24.42	74	38.56	31.7	9.58	30.26	100	42	P	H
		5467.95	48.53	-19.67	68.2	37.5	31.7	9.59	30.26	100	42	P	H
		5451.85	40.45	-13.55	54	29.45	31.7	9.56	30.26	100	42	A	H
	*	5670	98.55	-	-	87.29	31.75	9.86	30.35	100	42	P	H
802.11n	*	5670	90.49	-	-	79.23	31.75	9.86	30.35	100	42	A	H
HT40		5744.525	50.05	-18.15	68.2	38.58	32	9.86	30.39	100	42	P	H
CH 134		5413.35	49.7	-24.3	74	38.84	31.63	9.49	30.26	324	259	P	V
5670MHz		5465.85	49.45	-18.75	68.2	38.42	31.7	9.59	30.26	324	259	P	V
		5428.05	40.39	-13.61	54	29.51	31.63	9.51	30.26	324	259	A	V
	*	5670	99.2	-	-	87.94	31.75	9.86	30.35	324	259	P	V
	*	5670	91.18	-	-	79.92	31.75	9.86	30.35	324	259	A	V
		5727.55	50.63	-17.57	68.2	39.22	31.93	9.86	30.38	324	259	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11020	47.55	-26.45	74	55.05	40.33	13.89	61.72	100	0	P	H
		16530	45.73	-22.47	68.2	49.12	38.7	17.6	59.69	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	45.58	-28.42	74	53.08	40.33	13.89	61.72	100	0	P	V
5510MHz		16530	45.72	-22.48	68.2	49.11	38.7	17.6	59.69	100	0	P	V
													V
													V
		11100	46.1	-27.9	74	53.92	40	13.98	61.8	100	0	P	H
		16650	46.13	-22.07	68.2	48.78	39.2	17.82	59.67	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	45.77	-28.23	74	53.59	40	13.98	61.8	100	0	P	V
5550MHz		16650	46	-22.2	68.2	48.65	39.2	17.82	59.67	100	0	P	V
													V
													V
		11340	45.31	-28.69	74	52.95	39.87	14.53	62.04	100	0	P	H
		17010	48.54	-19.66	68.2	49.53	40.5	18.09	59.58	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	44.71	-29.29	74	52.35	39.87	14.53	62.04	100	0	P	V
5670MHz		17010	48.4	-19.8	68.2	49.39	40.5	18.09	59.58	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.76	56.16	-17.84	74	45.15	31.7	9.57	30.26	100	48	P	H
		5468.08	57.44	-10.76	68.2	46.41	31.7	9.59	30.26	100	48	P	H
		5459.92	46.78	-7.22	54	35.76	31.7	9.58	30.26	100	48	A	H
	*	5530	96.73	-	-	85.57	31.73	9.71	30.28	100	48	P	H
802.11ac	*	5530	88.58	-	-	77.42	31.73	9.71	30.28	100	48	A	H
VHT80		5742.635	50.01	-18.19	68.2	38.54	32	9.86	30.39	100	48	P	H
CH 106		5458.96	54.49	-19.51	74	43.48	31.7	9.57	30.26	343	254	P	V
5530MHz		5469.04	54.92	-13.28	68.2	43.89	31.7	9.59	30.26	343	254	P	V
		5458.72	44.43	-9.57	54	33.42	31.7	9.57	30.26	343	254	A	V
	*	5530	97.01	-	-	85.85	31.73	9.71	30.28	343	254	P	V
	*	5530	88.81	-	-	77.65	31.73	9.71	30.28	343	254	A	V
		5729.09	49.98	-18.22	68.2	38.57	31.93	9.86	30.38	343	254	P	V
		5438.8	50.98	-23.02	74	40.03	31.67	9.54	30.26	100	44	P	H
		5464.72	49.87	-18.33	68.2	38.84	31.7	9.59	30.26	100	44	P	H
		5414.32	40.65	-13.35	54	29.79	31.63	9.49	30.26	100	44	A	H
	*	5610	96.26	-	-	84.93	31.8	9.85	30.32	100	44	P	H
802.11ac	*	5610	88.29	-	-	76.96	31.8	9.85	30.32	100	44	A	H
VHT80		5732.555	50	-18.2	68.2	38.59	31.93	9.86	30.38	100	44	P	H
CH 122		5400.64	49.45	-24.55	74	38.65	31.6	9.46	30.26	300	258	P	V
5610MHz		5468.08	49.4	-18.8	68.2	38.37	31.7	9.59	30.26	300	258	P	V
		5456.56	40.45	-13.55	54	29.44	31.7	9.57	30.26	300	258	A	V
	*	5610	96.46	-	-	85.13	31.8	9.85	30.32	300	258	P	V
	*	5610	88.33	-	-	77	31.8	9.85	30.32	300	258	A	V
		5759.96	49.48	-18.72	68.2	37.94	32.07	9.87	30.4	300	258	P	V

Remark

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

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11060	46.13	-27.87	74	53.82	40.13	13.94	61.76	100	0	P	H
		16590	46.04	-22.16	68.2	49.16	38.85	17.71	59.68	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	45.83	-28.17	74	53.52	40.13	13.94	61.76	100	0	P	V
5530MHz		16590	46.68	-21.52	68.2	49.8	38.85	17.71	59.68	100	0	P	V
													V
													V
		11220	46.33	-27.67	74	54.05	39.88	14.32	61.92	100	0	P	H
		16830	47.41	-20.79	68.2	48.88	40.2	17.96	59.63	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	45.15	-28.85	74	52.87	39.88	14.32	61.92	100	0	P	V
5610MHz		16830	47.44	-20.76	68.2	48.91	40.2	17.96	59.63	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5411.62	49.61	-24.39	74	38.76	31.63	9.48	30.26	100	38	P	H
		5468.17	49.72	-18.48	68.2	38.69	31.7	9.59	30.26	100	38	P	H
		5459.2	40.35	-13.65	54	29.33	31.7	9.58	30.26	100	38	A	H
	*	5720	100.69	-	-	89.27	31.93	9.86	30.37	100	38	P	H
	*	5720	92.87	-	-	81.45	31.93	9.86	30.37	100	38	A	H
		5909	50.5	-17.7	68.2	38.63	32.33	10.01	30.47	100	38	P	H
		5423.32	49.95	-24.05	74	39.07	31.63	9.51	30.26	300	258	P	V
		5468.17	49.08	-19.12	68.2	38.05	31.7	9.59	30.26	300	258	P	V
		5453.74	40.45	-13.55	54	29.45	31.7	9.56	30.26	300	258	A	V
	*	5720	101.31	-	-	89.89	31.93	9.86	30.37	300	258	P	V
	*	5720	93.46	-	-	82.04	31.93	9.86	30.37	300	258	A	V
		5937.75	51.1	-17.1	68.2	39.18	32.37	10.04	30.49	300	258	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	46.51	-27.49	74	54.07	40.07	14.51	62.14	100	0	P	H
		17160	48.34	-19.86	68.2	48.66	40.57	18.36	59.25	100	0	P	H
													H
													H
		11440	47.42	-26.58	74	54.98	40.07	14.51	62.14	100	0	P	V
		17160	48.58	-19.62	68.2	48.9	40.57	18.36	59.25	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5424.49	49.54	-24.46	74	38.66	31.63	9.51	30.26	100	37	P	H
		5462.32	49.57	-18.63	68.2	38.55	31.7	9.58	30.26	100	37	P	H
		5458.81	39.93	-14.07	54	28.92	31.7	9.57	30.26	100	37	A	H
	*	5720	100.4	-	-	88.98	31.93	9.86	30.37	100	37	P	H
	*	5720	97.69	-	-	86.27	31.93	9.86	30.37	100	37	A	H
		5910.25	50.84	-17.36	68.2	38.97	32.33	10.01	30.47	100	37	P	H
		5371.45	50.29	-23.71	74	39.65	31.47	9.44	30.27	300	259	P	V
		5466.22	48.45	-19.75	68.2	37.42	31.7	9.59	30.26	300	259	P	V
		5457.64	39.97	-14.03	54	28.96	31.7	9.57	30.26	300	259	A	V
	*	5720	101.1	-	-	89.68	31.93	9.86	30.37	300	259	P	V
	*	5720	98.93	-	-	87.51	31.93	9.86	30.37	300	259	A	V
		5868.25	51.75	-16.45	68.2	40.01	32.23	9.96	30.45	300	259	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11440	44.73	-29.27	74	52.29	40.07	14.51	62.14	100	0	P	H
		17160	48.56	-19.64	68.2	48.88	40.57	18.36	59.25	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	45.4	-28.6	74	52.96	40.07	14.51	62.14	100	0	P	V
5720MHz		17160	49.64	-18.56	68.2	49.96	40.57	18.36	59.25	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5420.98	49.13	-24.87	74	38.26	31.63	9.5	30.26	100	40	P	H
		5465.83	48.8	-19.4	68.2	37.77	31.7	9.59	30.26	100	40	P	H
		5451.4	40.62	-13.38	54	29.62	31.7	9.56	30.26	100	40	A	H
	*	5710	97.98	-	-	86.62	31.87	9.86	30.37	100	40	P	H
	*	5710	90.06	-	-	78.7	31.87	9.86	30.37	100	40	A	H
		5945.25	51.76	-16.44	68.2	39.8	32.4	10.05	30.49	100	40	P	H
		5370.28	50.39	-23.61	74	39.75	31.47	9.44	30.27	321	255	P	V
		5468.17	49.14	-19.06	68.2	38.11	31.7	9.59	30.26	321	255	P	V
		5396.8	40.55	-13.45	54	29.75	31.6	9.46	30.26	321	255	A	V
	*	5710	99.41	-	-	88.05	31.87	9.86	30.37	321	255	P	V
	*	5710	91.62	-	-	80.26	31.87	9.86	30.37	321	255	A	V
		5871.75	51.06	-17.14	68.2	39.28	32.27	9.96	30.45	321	255	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11420	45.17	-28.83	74	52.74	40.03	14.52	62.12	100	0	P	H
		17130	48.72	-19.48	68.2	49.2	40.53	18.3	59.31	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	44.76	-29.24	74	52.33	40.03	14.52	62.12	100	0	P	V
5710MHz		17130	50.13	-18.07	68.2	50.61	40.53	18.3	59.31	100	0	P	V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5365.99	50.44	-23.56	74	39.81	31.47	9.43	30.27	100	40	P	H
		5465.05	49.53	-18.67	68.2	38.5	31.7	9.59	30.26	100	40	P	H
		5436.58	40.53	-13.47	54	29.59	31.67	9.53	30.26	100	40	A	H
	*	5690	94.93	-	-	83.63	31.8	9.86	30.36	100	40	P	H
	*	5690	86.82	-	-	75.52	31.8	9.86	30.36	100	40	A	H
		5909.25	51.19	-17.01	68.2	39.32	32.33	10.01	30.47	100	40	P	H
		5427.22	49.81	-24.19	74	38.93	31.63	9.51	30.26	308	257	P	V
		5461.54	49.63	-18.57	68.2	38.61	31.7	9.58	30.26	308	257	P	V
		5458.42	40.8	-13.2	54	29.79	31.7	9.57	30.26	308	257	A	V
	*	5690	96.32	-	-	85.02	31.8	9.86	30.36	308	257	P	V
	*	5690	88.17	-	-	76.87	31.8	9.86	30.36	308	257	A	V
		5870.75	50.69	-17.51	68.2	38.91	32.27	9.96	30.45	308	257	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11380	45.31	-28.69	74	52.89	39.97	14.53	62.08	100	0	P	H
		17070	48.5	-19.7	68.2	49.26	40.5	18.19	59.45	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	44.78	-29.22	74	52.36	39.97	14.53	62.08	100	0	P	V
5690MHz		17070	48.61	-19.59	68.2	49.37	40.5	18.19	59.45	100	0	P	V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30	23.94	-16.06	40	30.66	25.2	0.7	32.62	-	-	P	H
		110.51	22.5	-21	43.5	36.62	17	1.39	32.51	-	-	P	H
		123.12	22.88	-20.62	43.5	36.34	17.6	1.45	32.51	-	-	P	H
		282.2	22.8	-23.2	46	34.16	18.89	2.28	32.53	-	-	P	H
		514.03	25.62	-20.38	46	31.16	24.1	2.93	32.57	-	-	P	H
		909.79	32.46	-13.54	46	30.76	29.29	3.97	31.56	100	0	P	H
													H
													H
													H
													H
													H
													H
		30	30.56	-9.44	40	37.28	25.2	0.7	32.62	100	0	P	V
		104.69	23.78	-19.72	43.5	38.31	16.61	1.37	32.51	-	-	P	V
		123.12	26.09	-17.41	43.5	39.55	17.6	1.45	32.51	-	-	P	V
		282.2	20.92	-25.08	46	32.28	18.89	2.28	32.53	-	-	P	V
		513.06	26.23	-19.77	46	31.77	24.1	2.93	32.57	-	-	P	V
		910.76	35.8	-10.2	46	34.07	29.32	3.97	31.56	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

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

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission

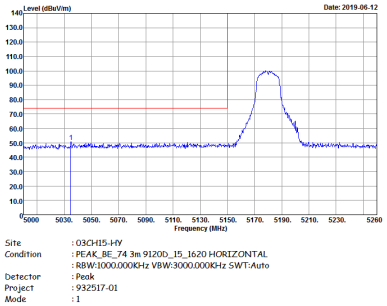
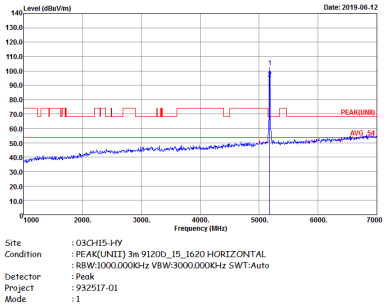
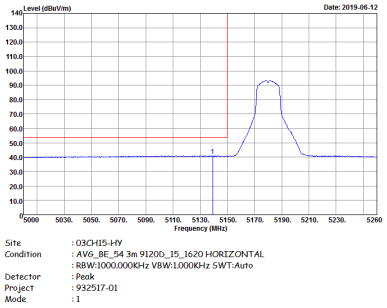
Test Engineer :	Karl Hou and BigShow Wang	**Temperature :**	24~26°C
		Relative Humidity :	45~65%

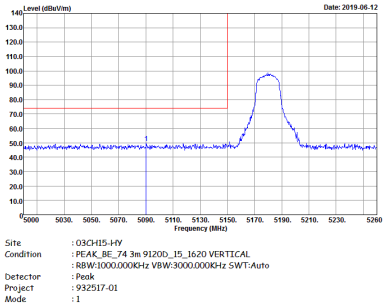
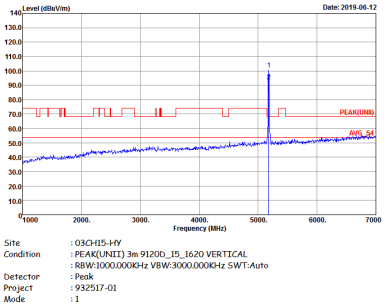
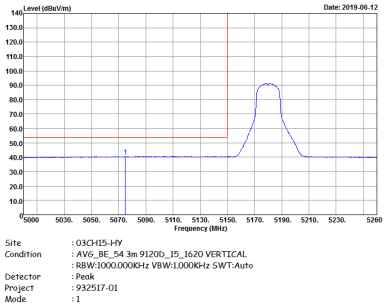
Note symbol

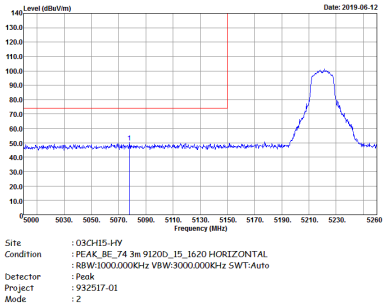
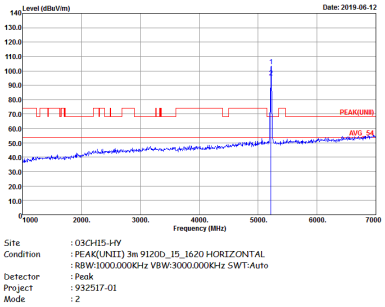
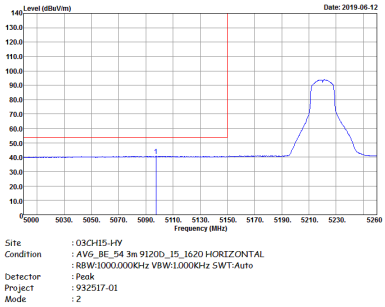
-L	**Low channel location**
-R	**High channel location**

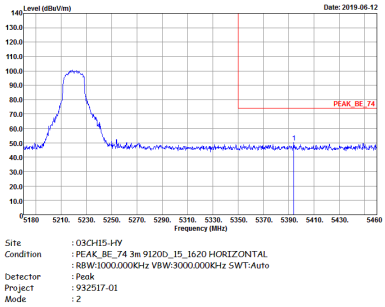
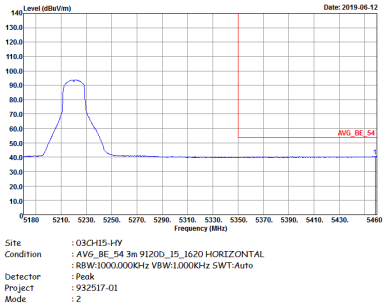
Band 1 - 5150~5250MHz

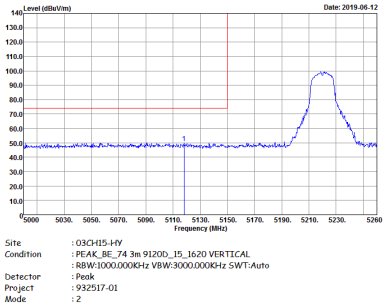
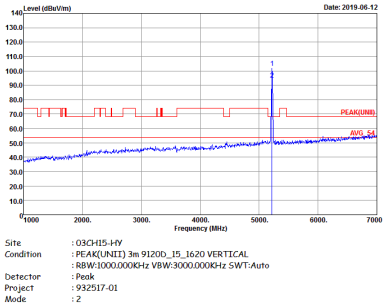
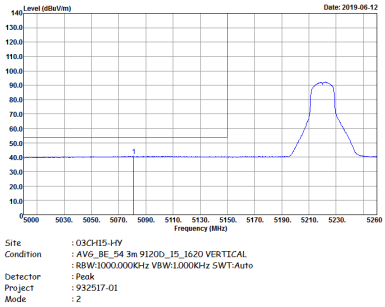
WIFI 802.11a (Band Edge @ 3m)

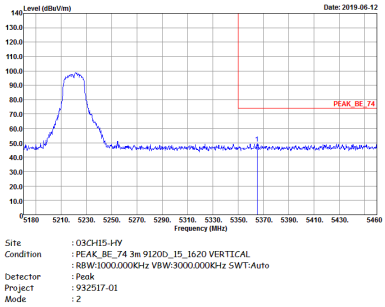
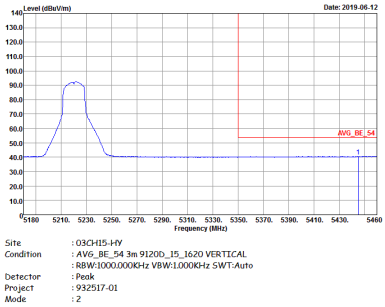
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

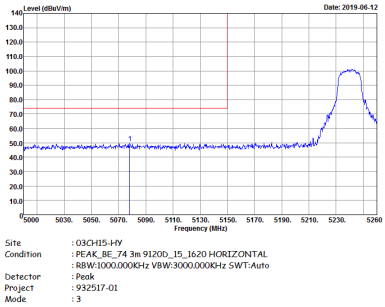
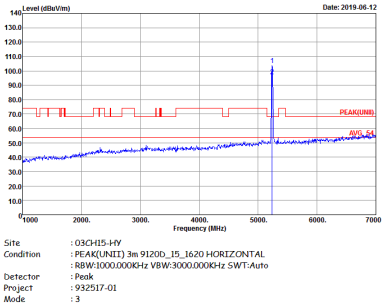
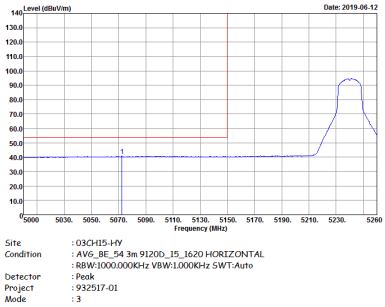
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

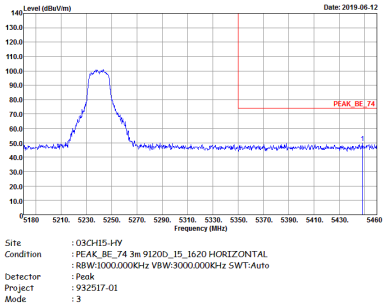
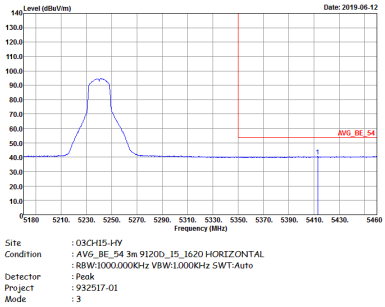
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

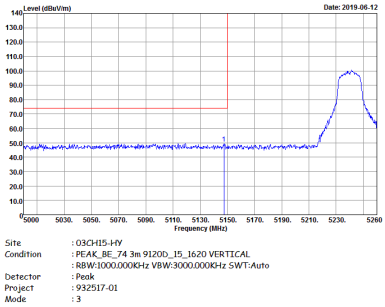
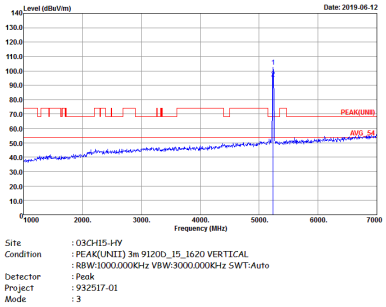
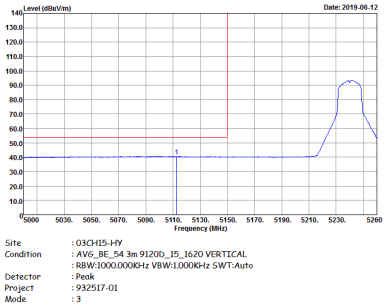
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

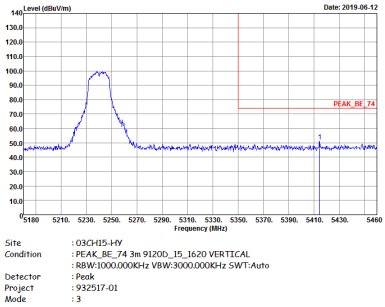
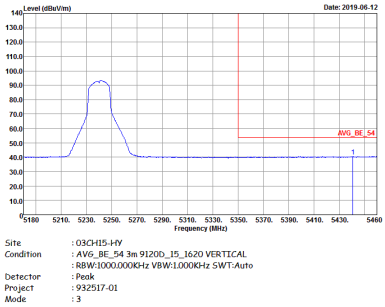
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

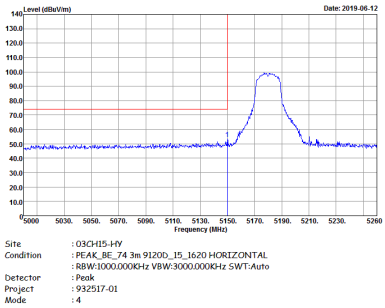
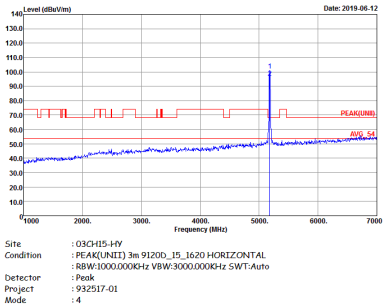
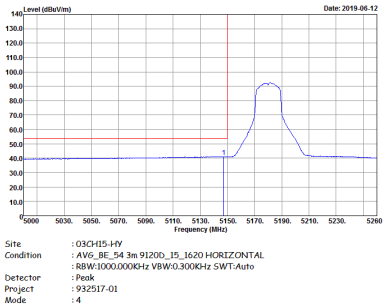
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

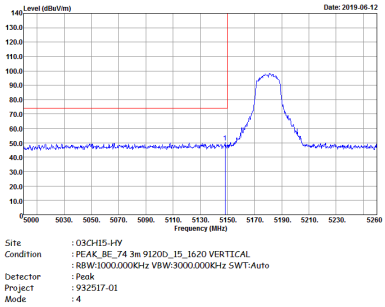
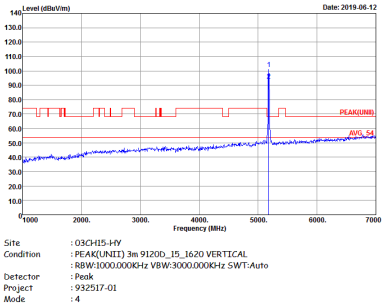
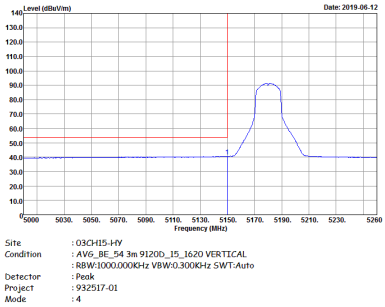
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

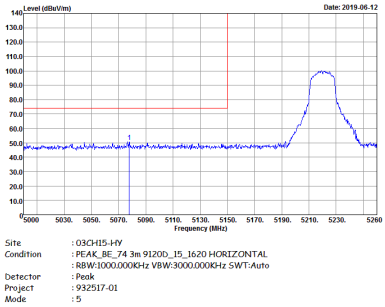
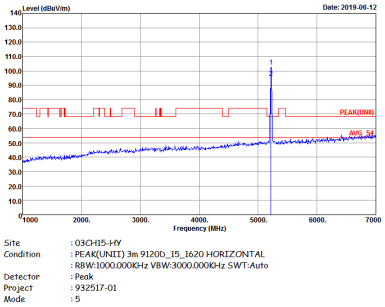
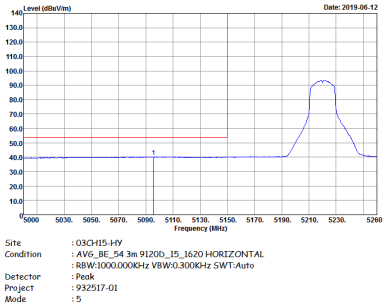
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

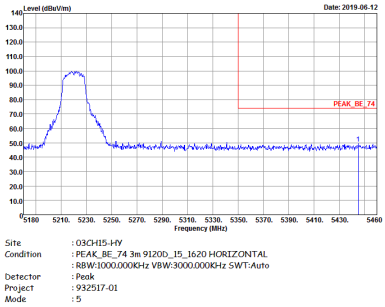
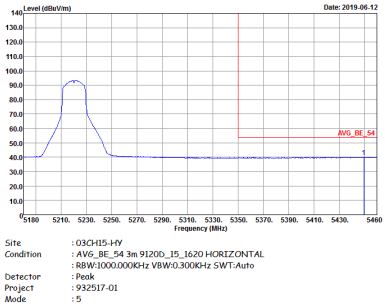
Band 1 5150~5250MHz

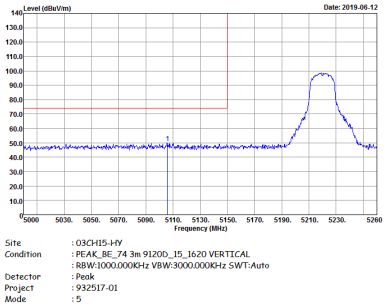
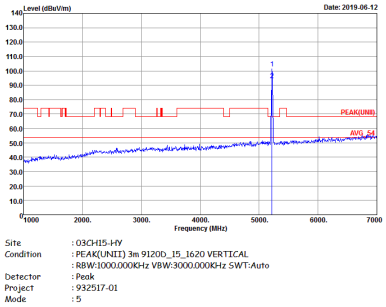
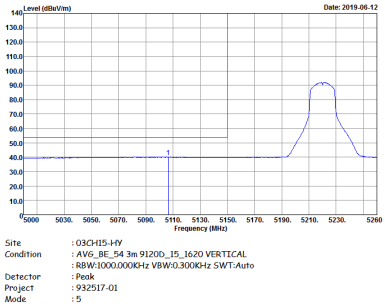
WIFI 802.11n HT20 (Band Edge @ 3m)

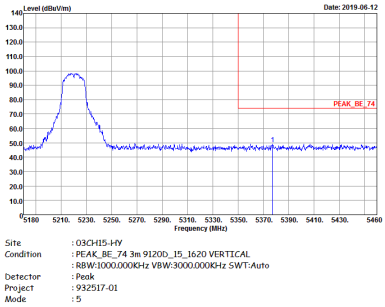
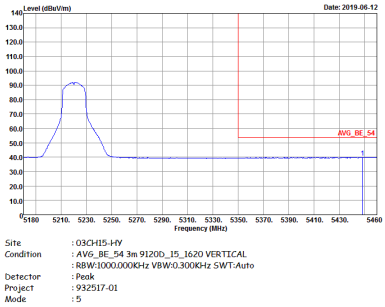
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

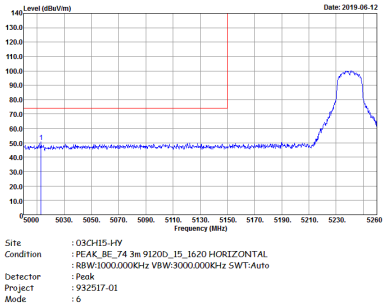
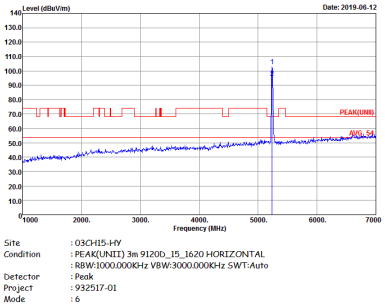
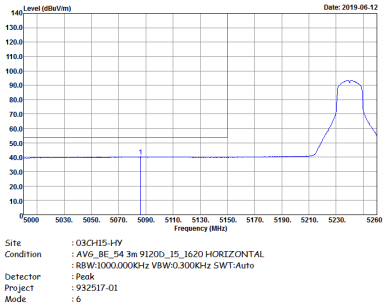
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

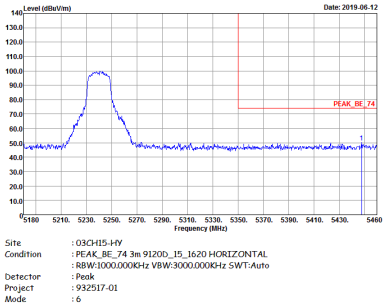
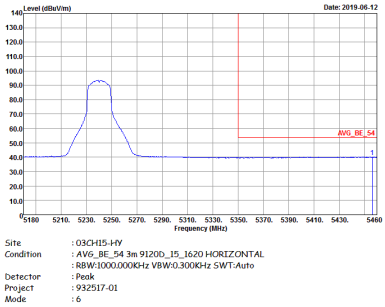
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

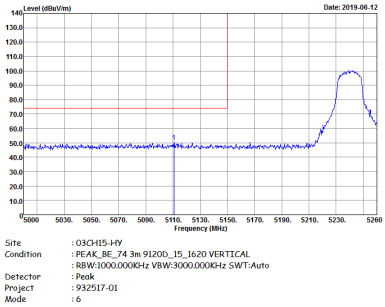
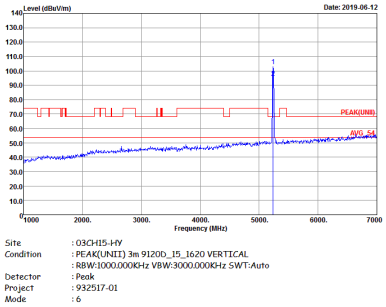
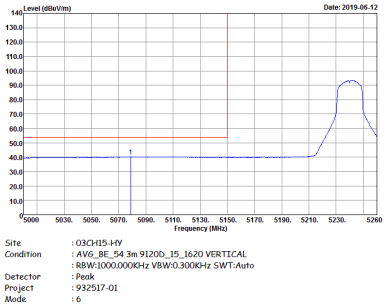
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

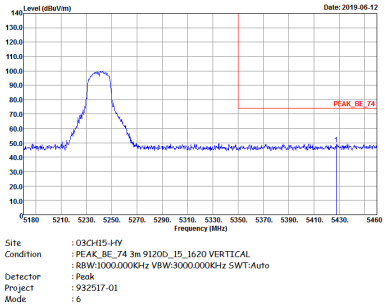
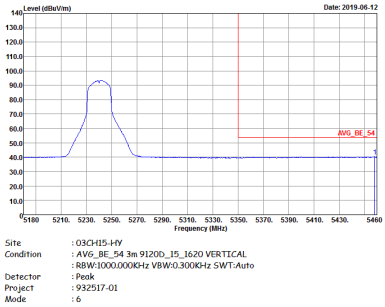
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

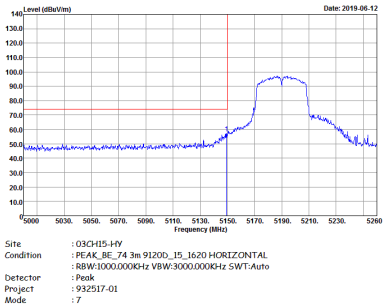
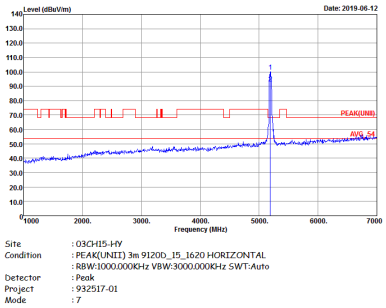
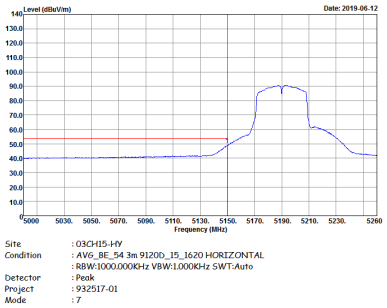
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

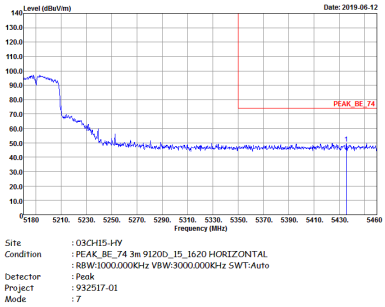
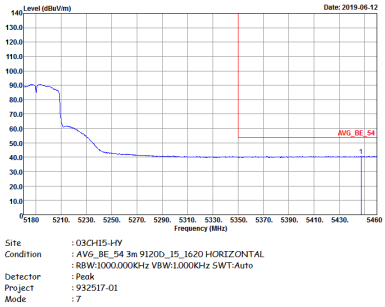
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

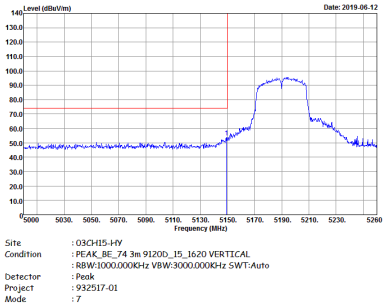
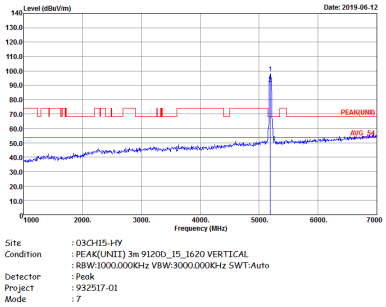
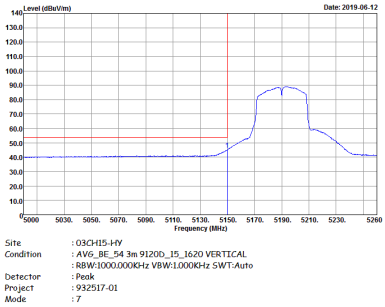
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

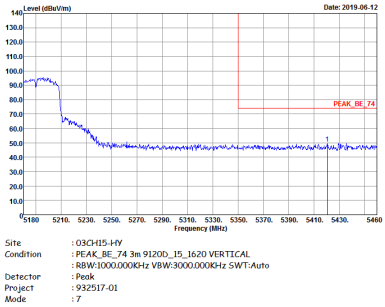
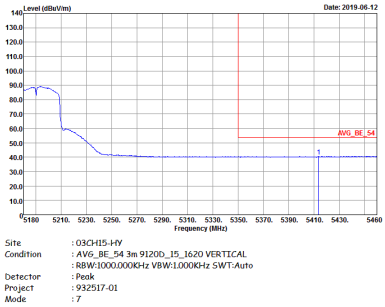
Band 1 5150~5250MHz

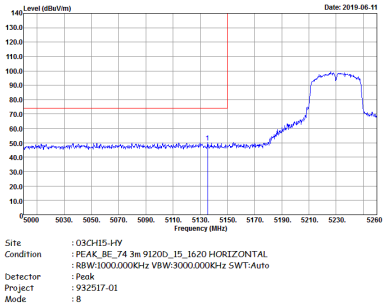
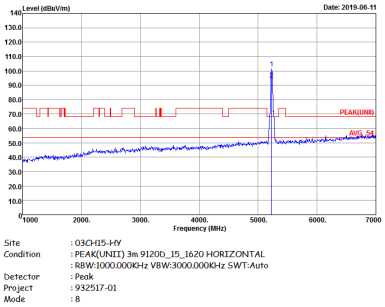
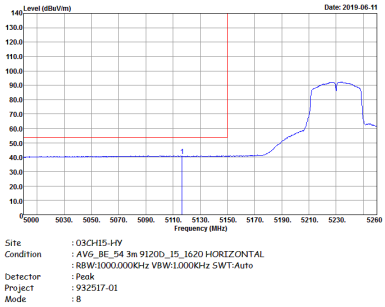
WIFI 802.11n HT40 (Band Edge @ 3m)

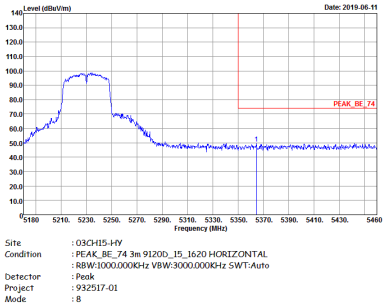
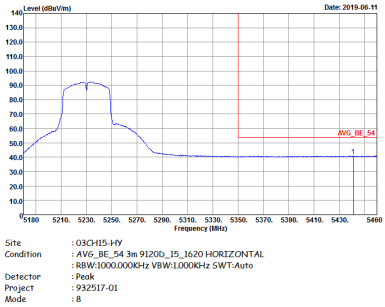
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

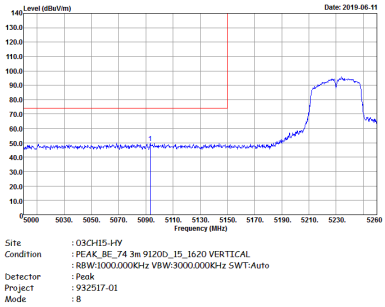
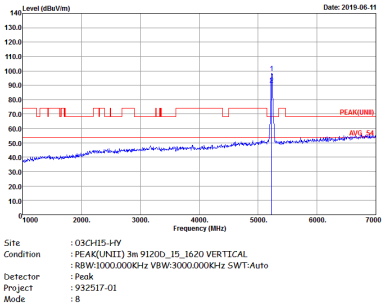
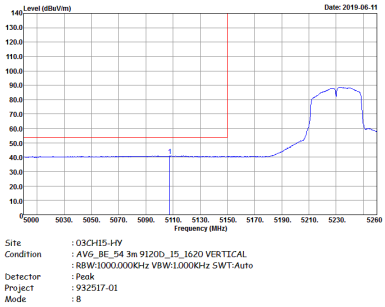
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

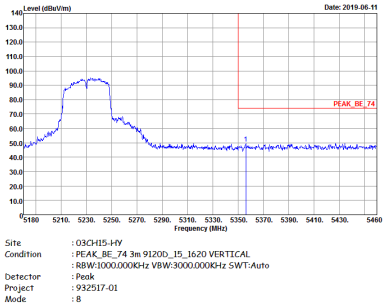
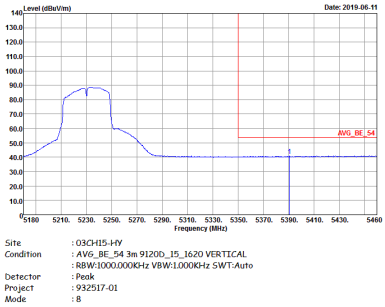
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

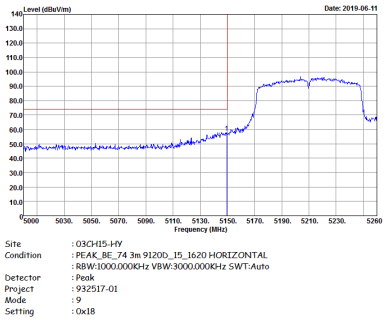
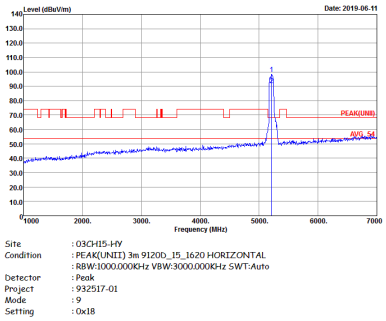
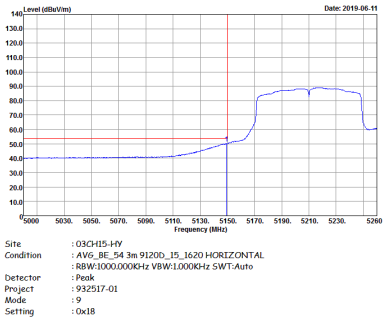
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

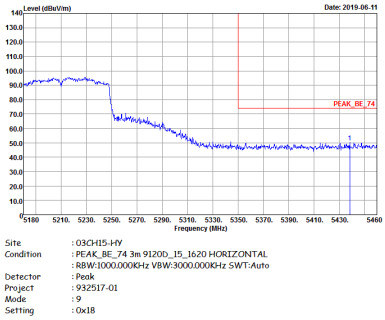
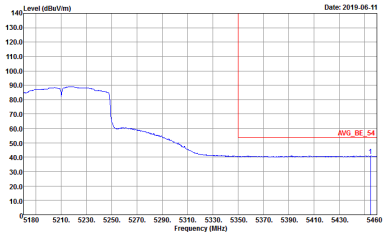
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

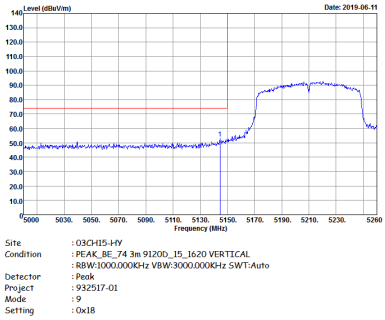
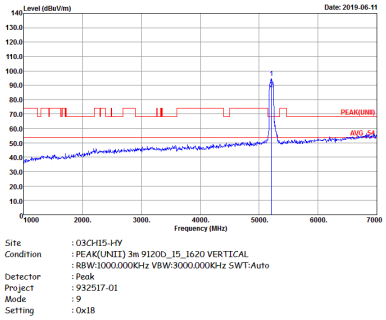
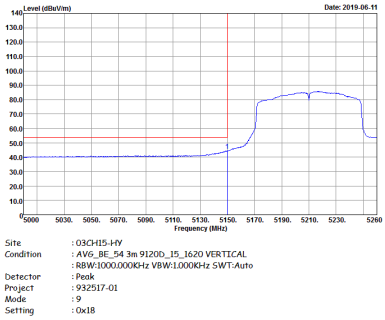
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

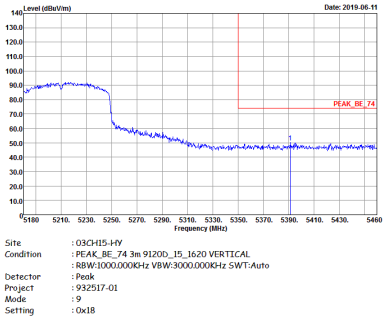
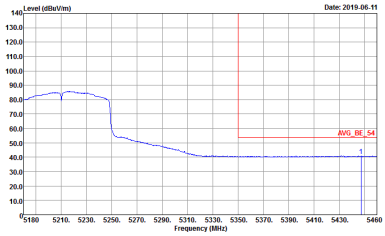
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

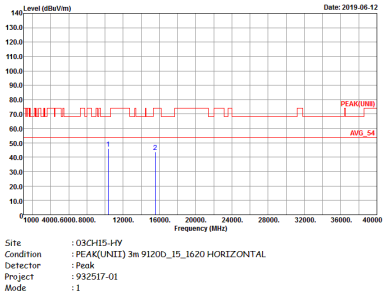
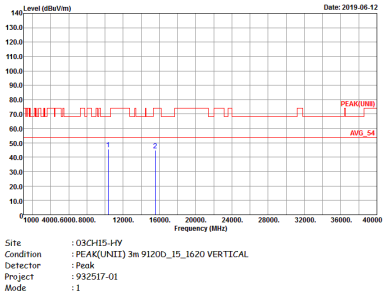
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 932517-01 Mode : 9 Setting : 0x18	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 932517-01 Mode : 9 Setting : 0x18	Left blank

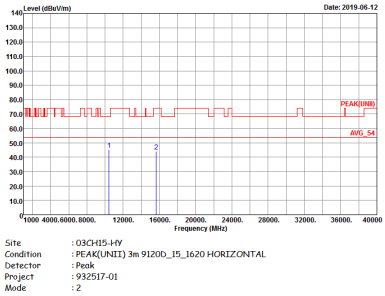
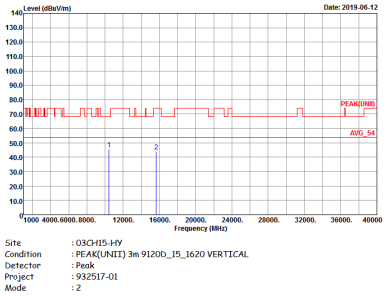
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

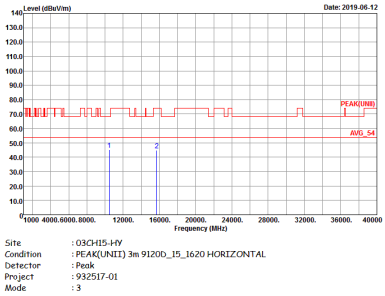
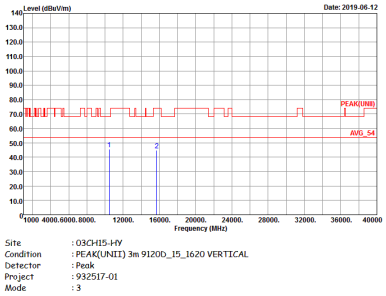
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 932517-01 Mode : 9 Setting : 0x18	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 932517-01 Mode : 9 Setting : 0x18	Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

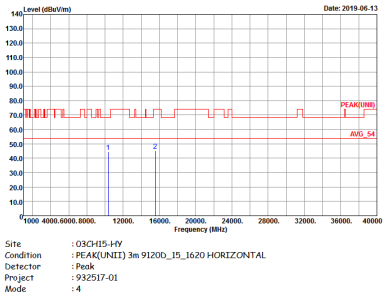
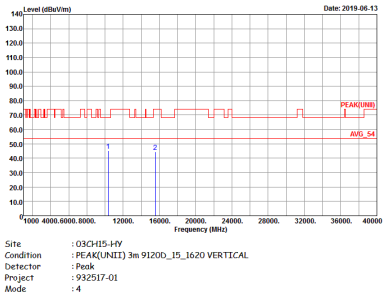
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

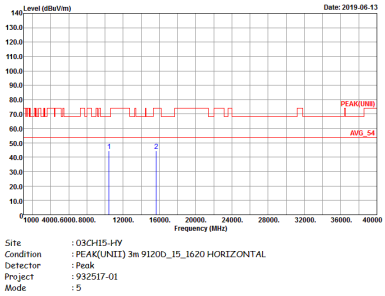
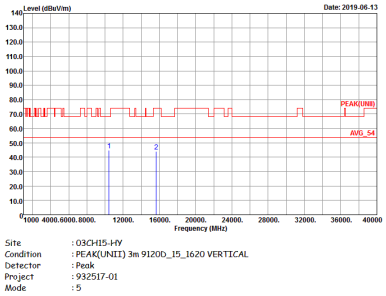
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

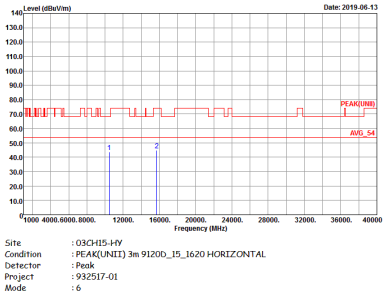
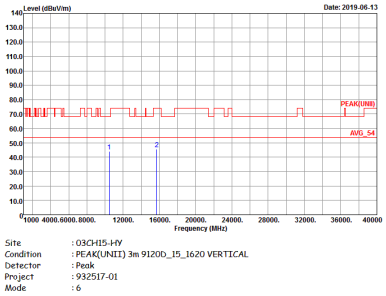
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

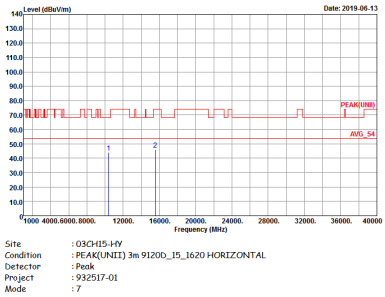
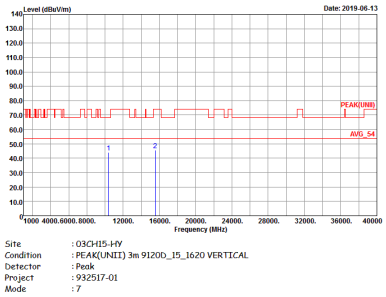
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

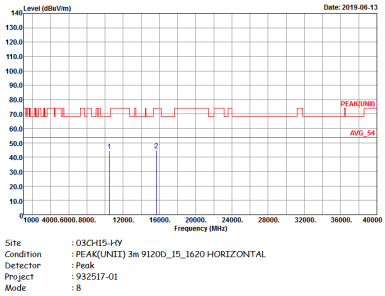
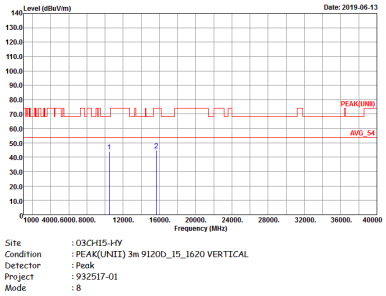
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

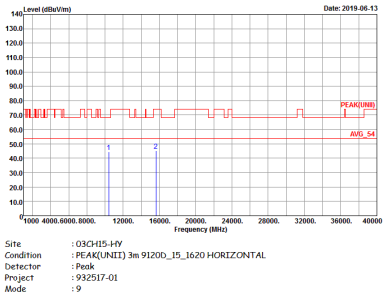
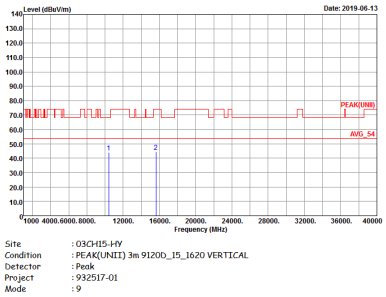
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

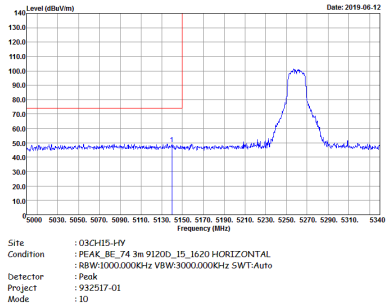
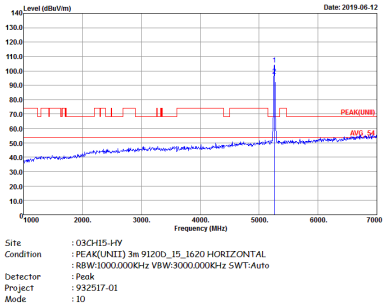
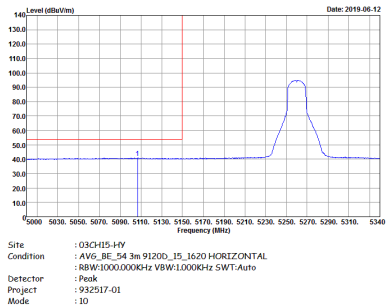
Band 1 5150~5250MHz

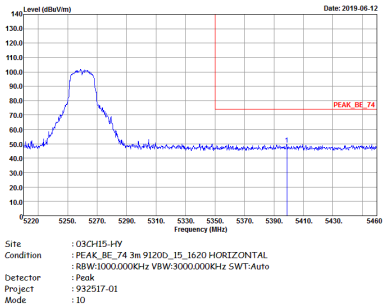
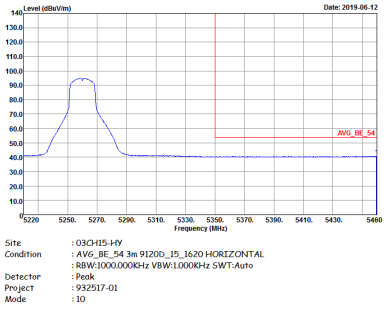
WIFI 802.11ac VHT80 (Harmonic @ 3m)

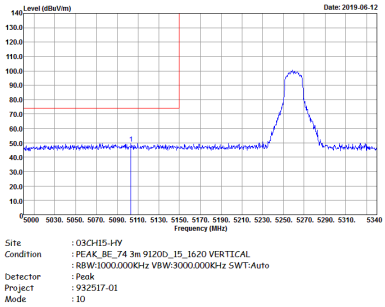
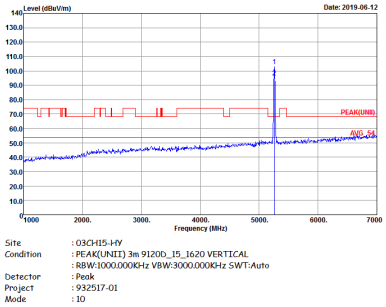
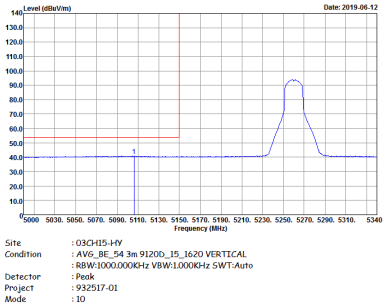
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

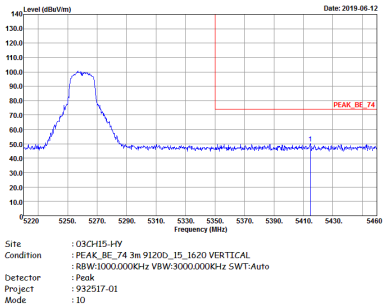
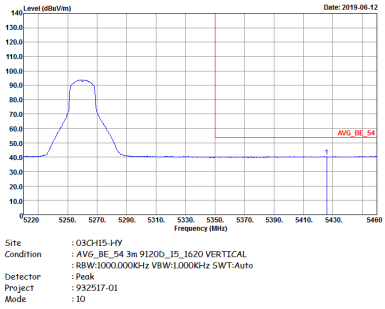
Band 2 - 5250~5350MHz

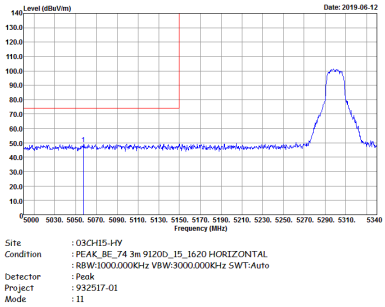
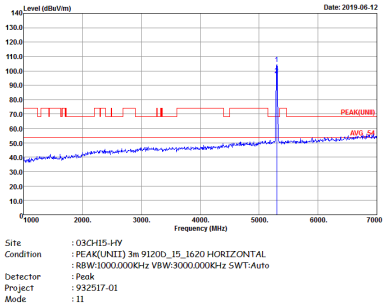
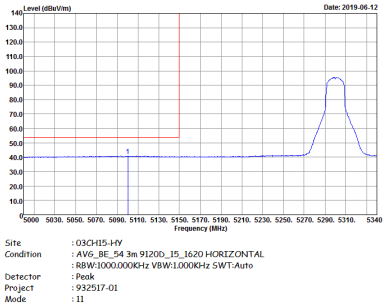
WIFI 802.11a (Band Edge @ 3m)

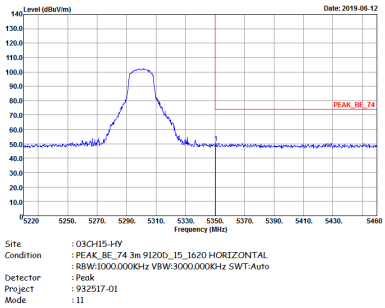
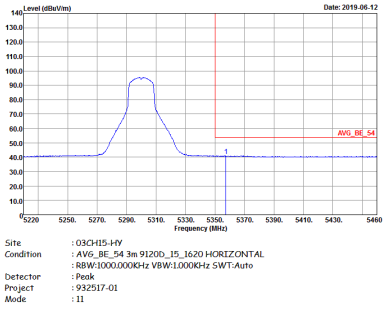
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

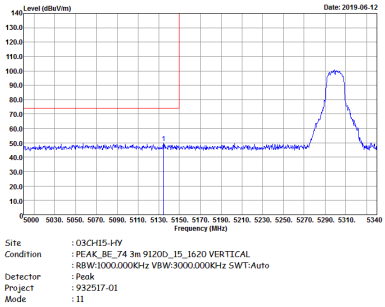
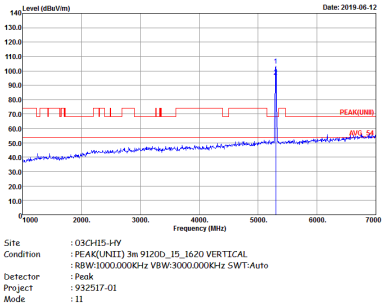
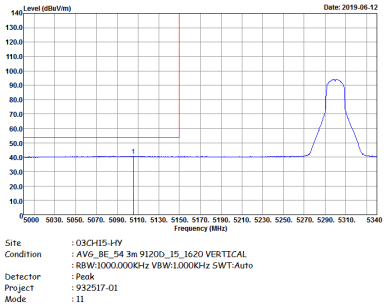
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

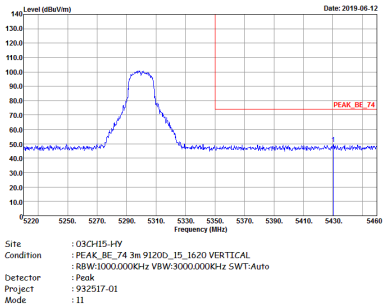
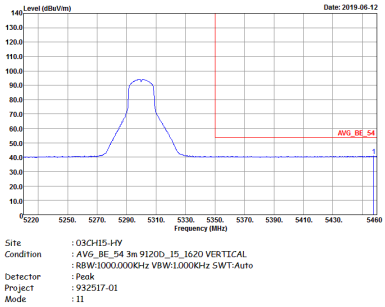
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

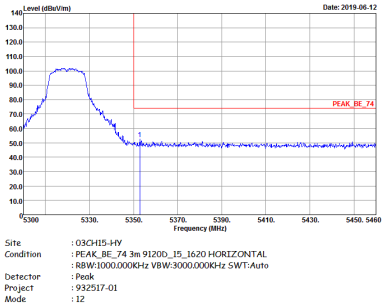
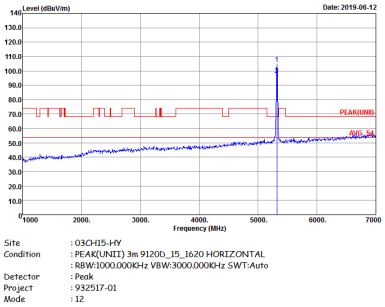
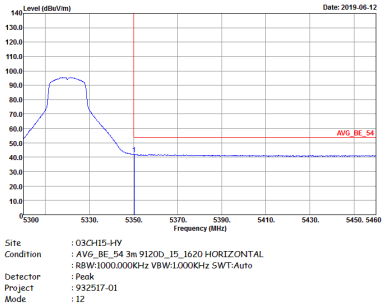
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

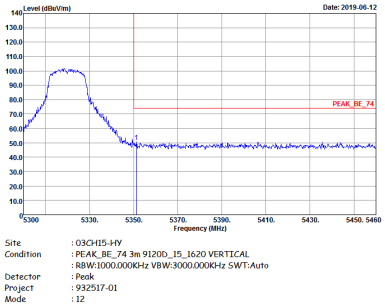
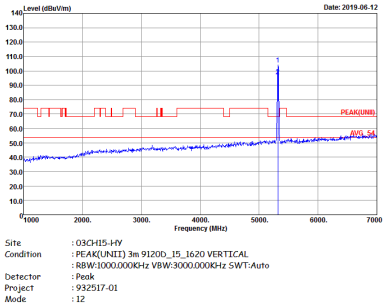
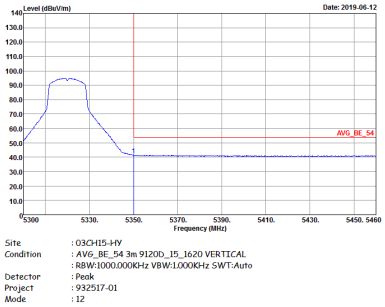
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

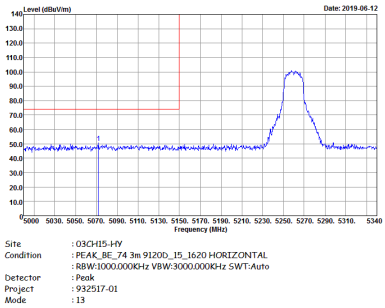
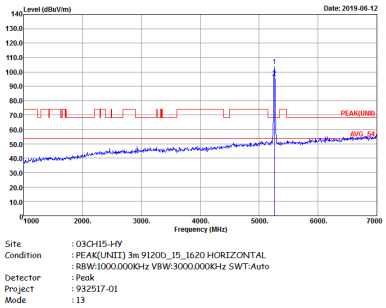
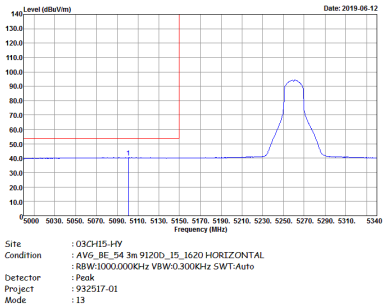
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

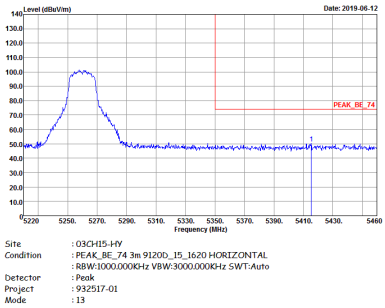
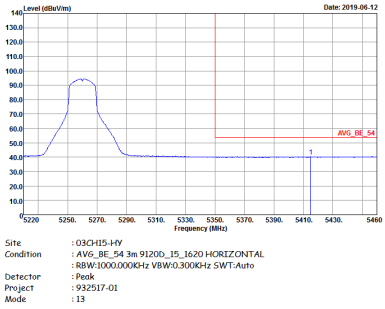
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

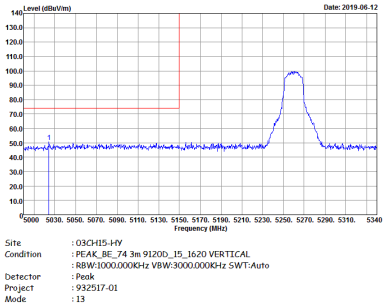
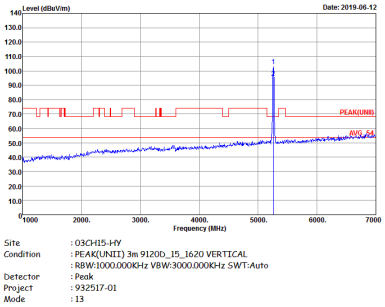
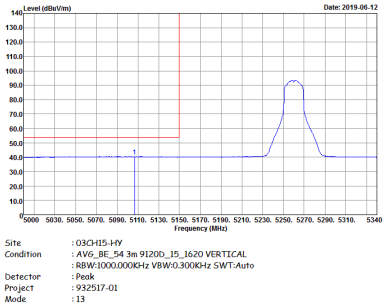
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

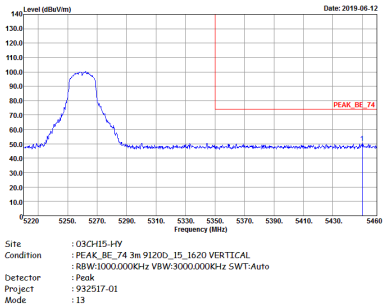
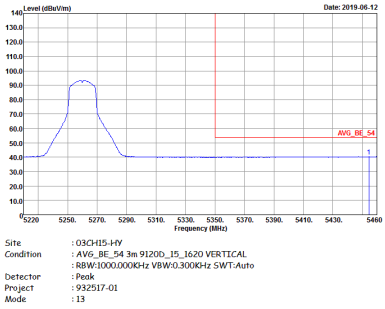
Band 2 5250~5350MHz

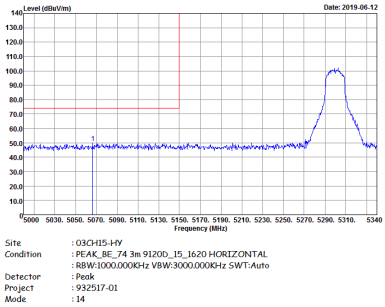
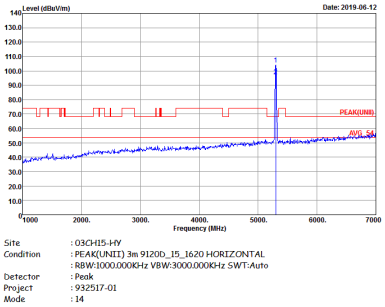
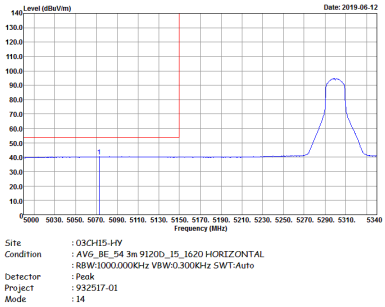
WIFI 802.11n HT20 (Band Edge @ 3m)

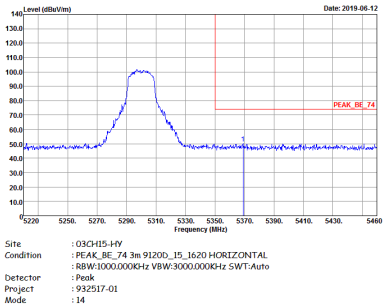
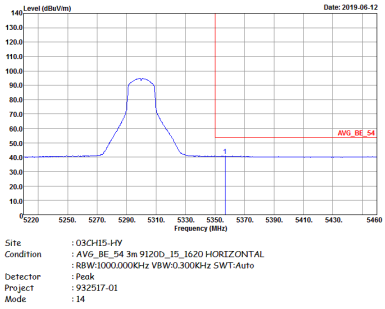
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

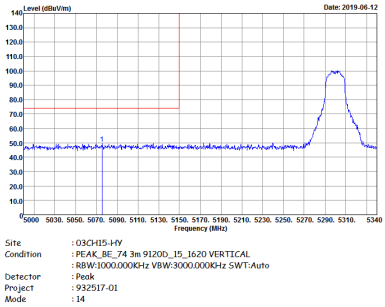
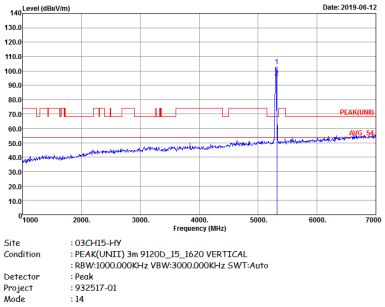
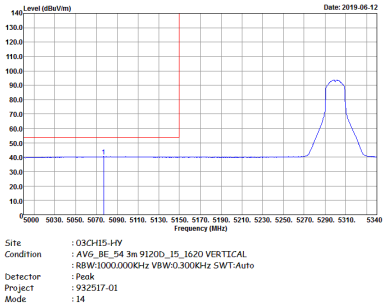
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

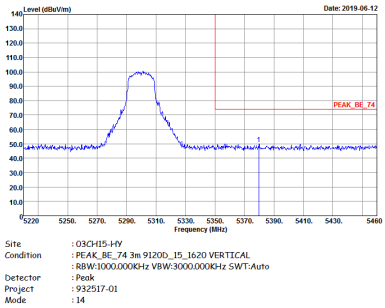
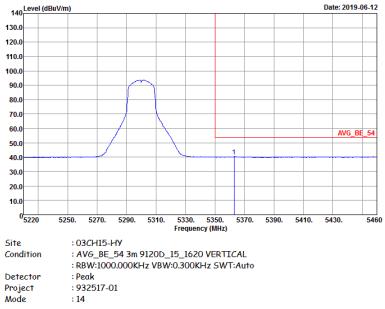
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

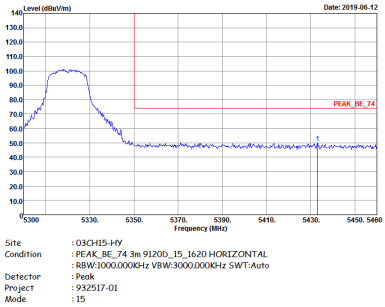
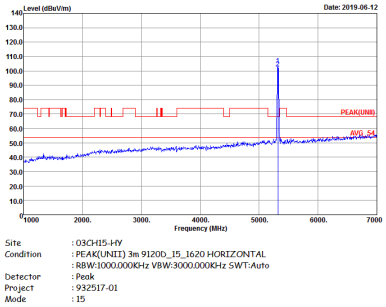
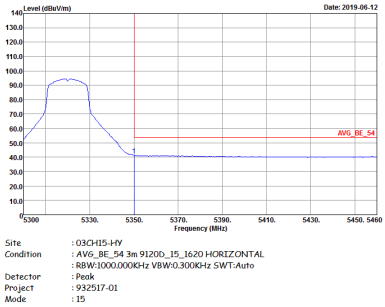
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

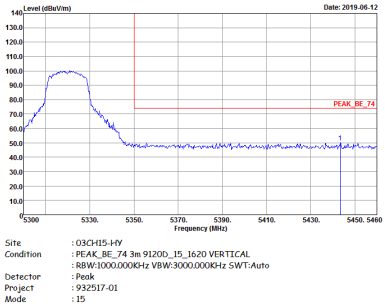
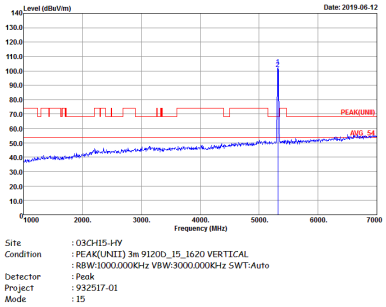
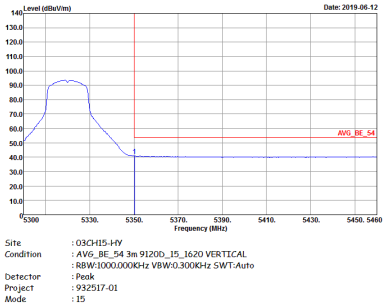
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

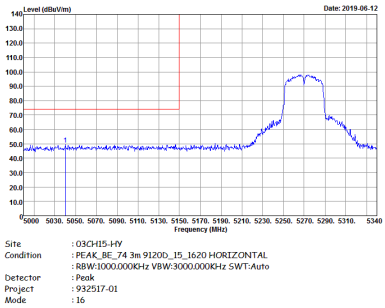
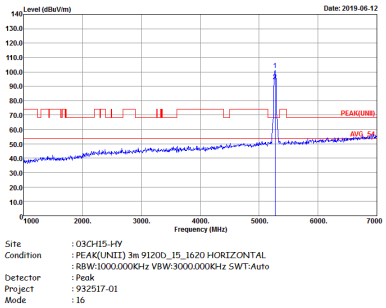
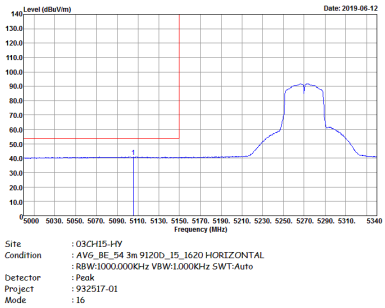
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

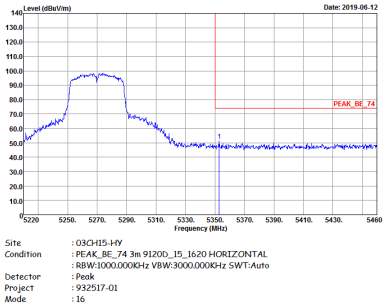
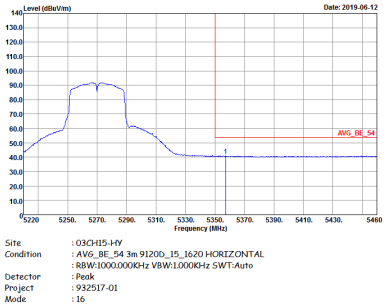
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

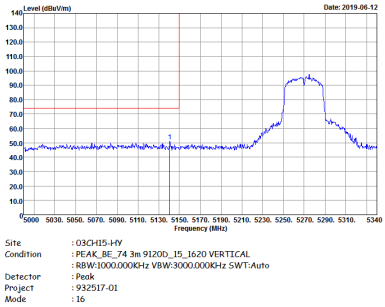
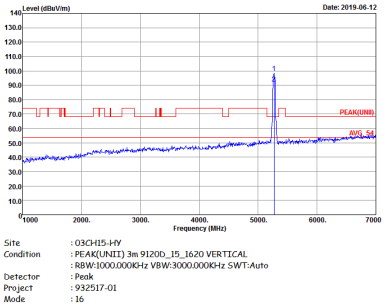
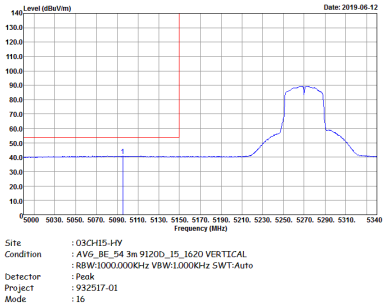
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

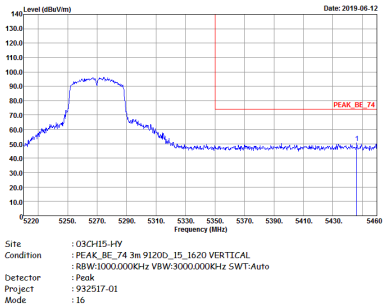
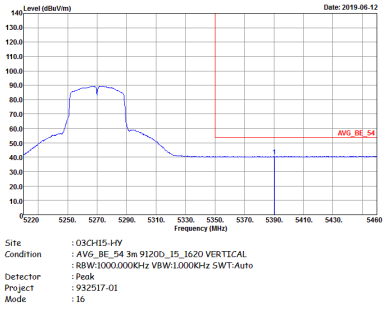
Band 2 5250~5350MHz

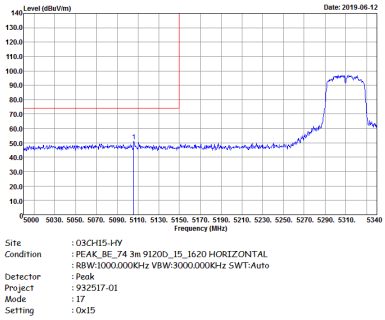
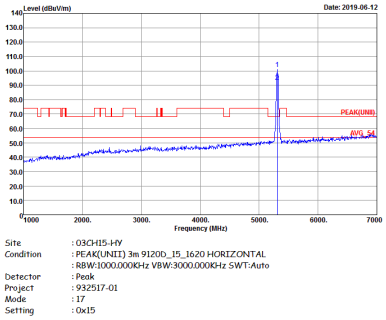
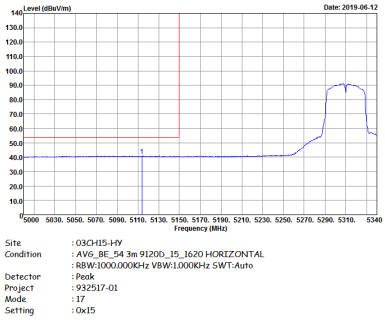
WIFI 802.11n HT40 (Band Edge @ 3m)

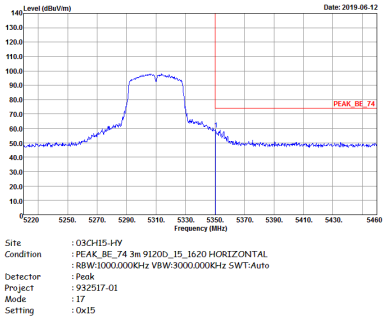
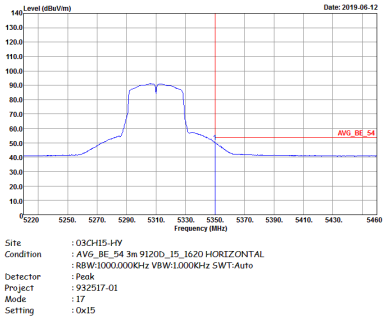
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

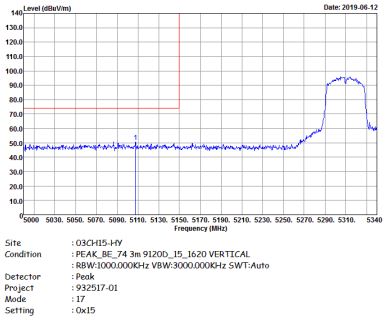
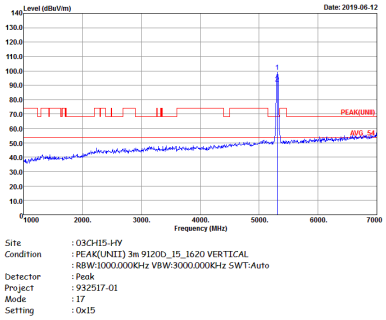
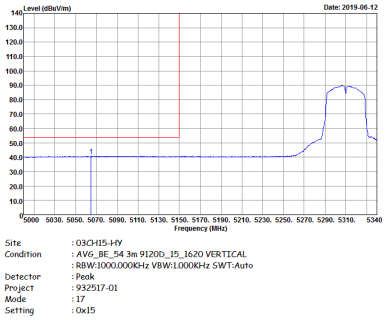
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

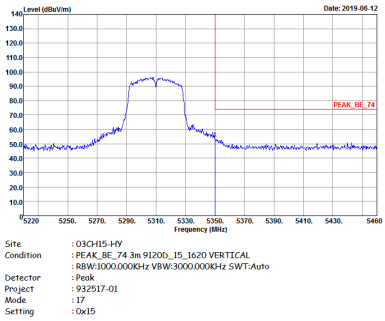
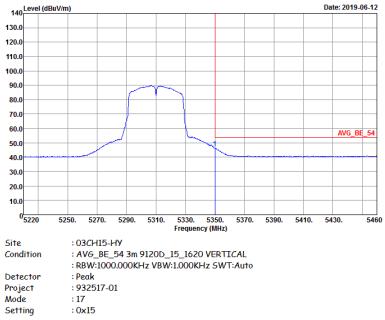
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

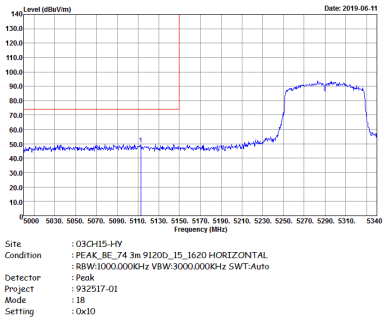
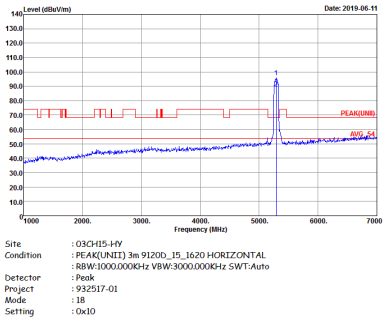
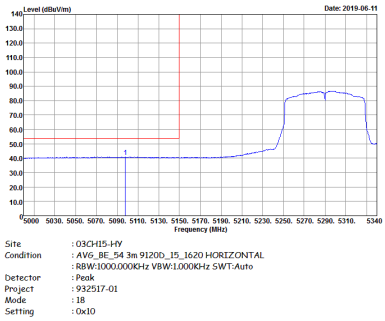
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

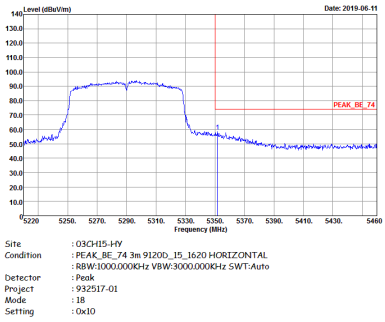
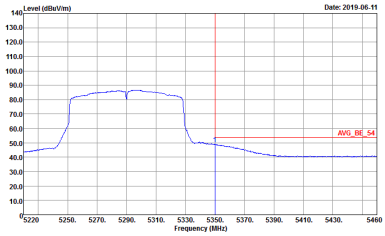
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

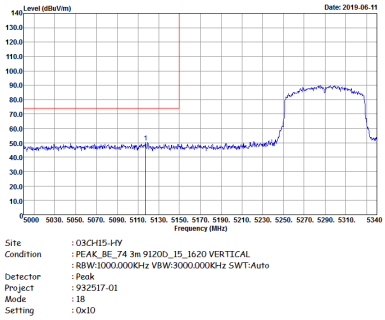
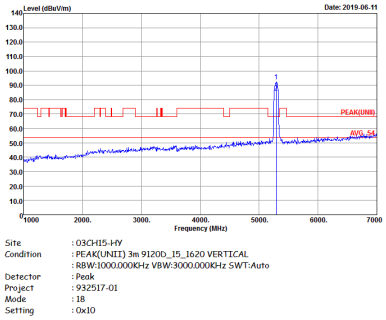
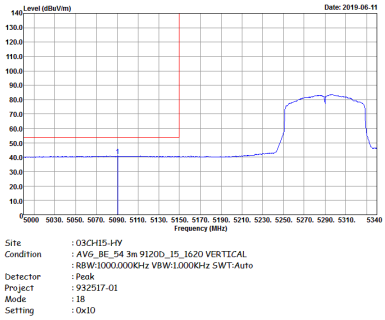
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

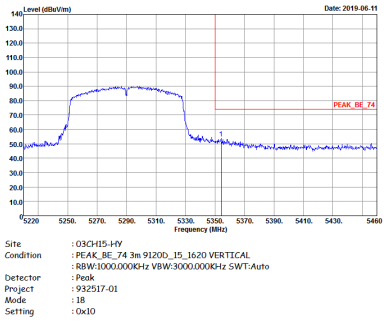
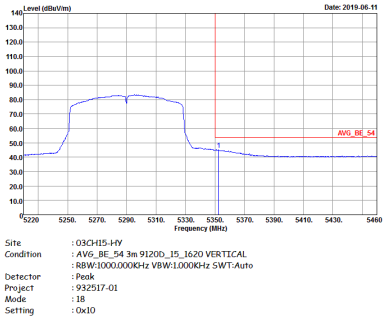
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

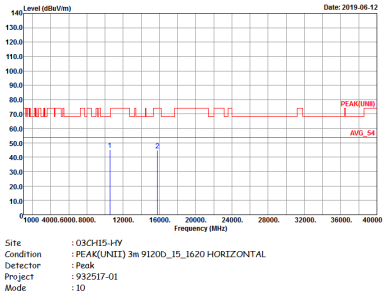
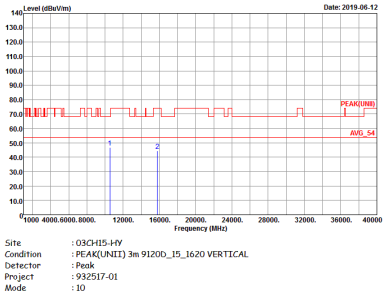
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 932517-01 Mode : 18 Setting : 0x10	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 932517-01 Mode : 18 Setting : 0x10	Left blank

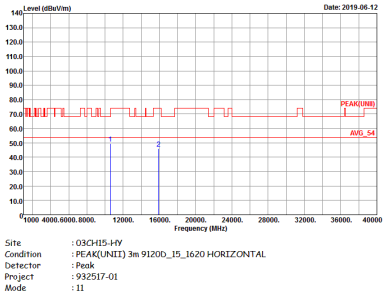
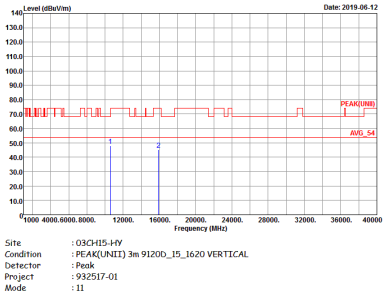
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

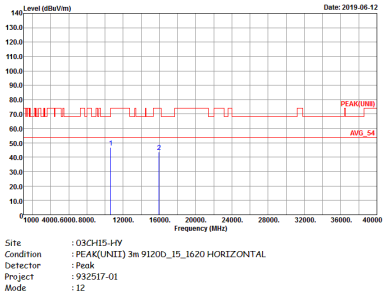
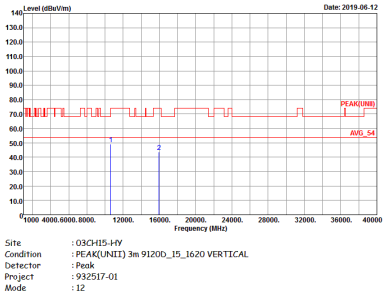
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

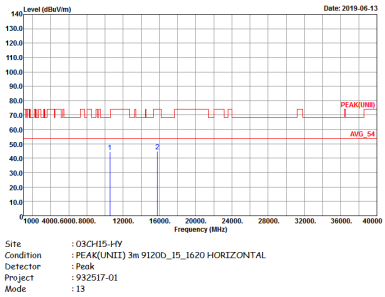
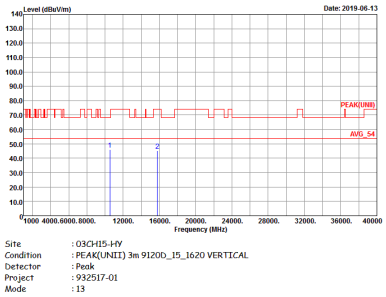
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

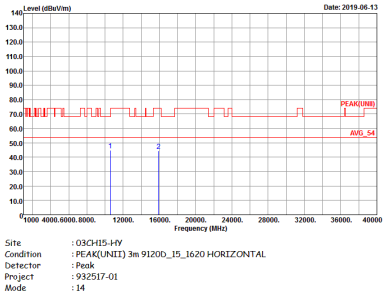
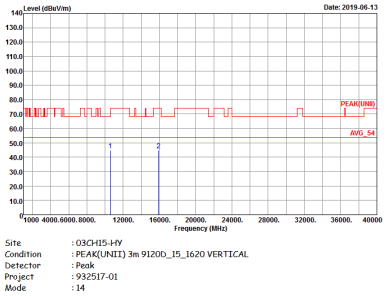
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

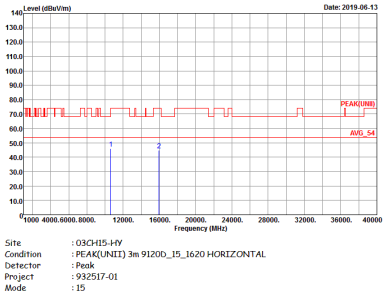
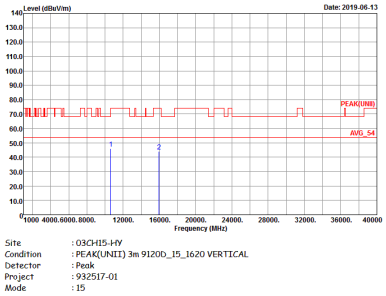
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

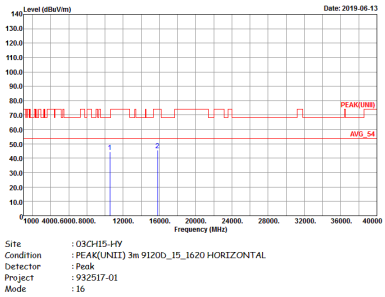
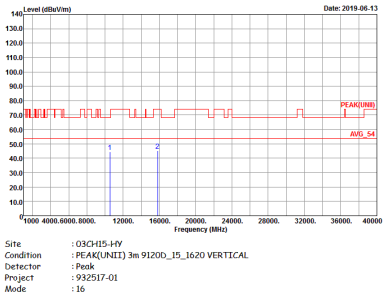
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

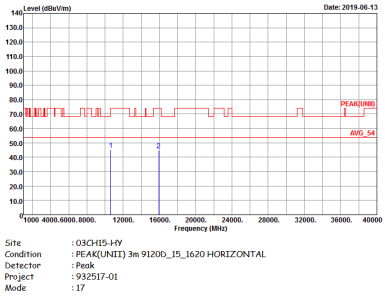
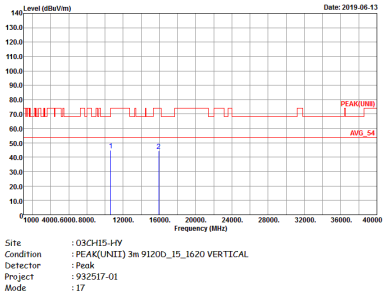
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

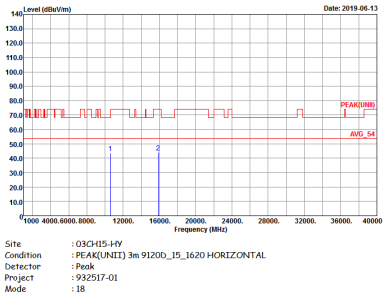
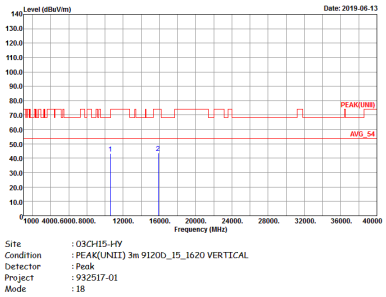
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.		

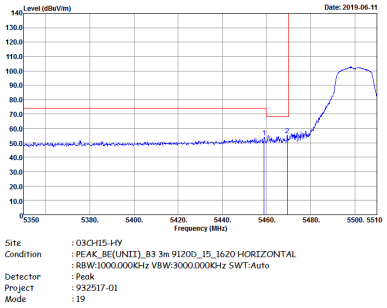
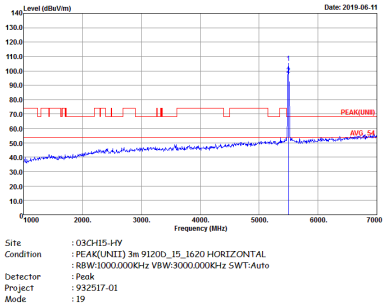
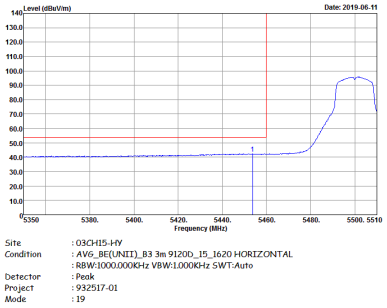
Band 2 5250~5350MHz

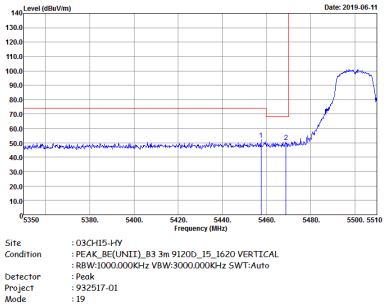
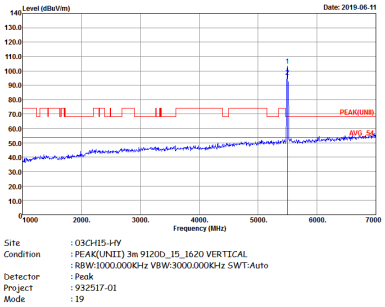
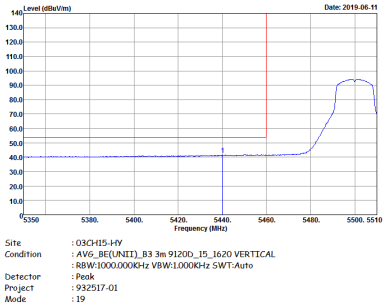
WIFI 802.11ac VHT80 (Harmonic @ 3m)

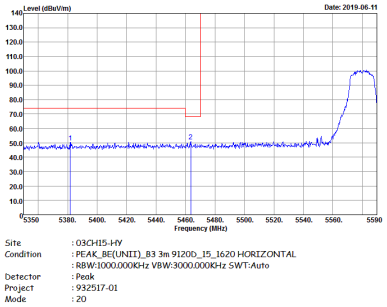
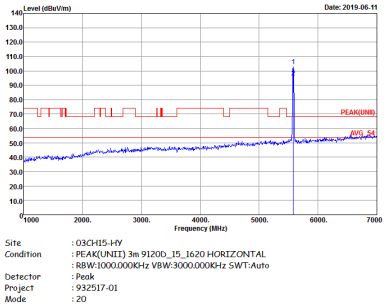
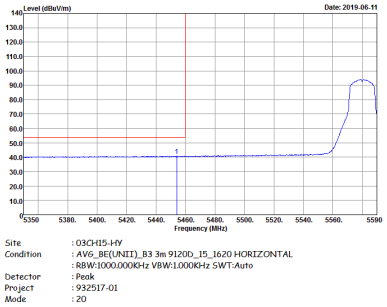
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

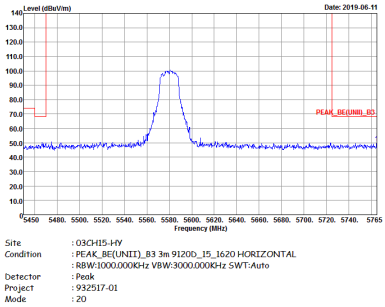
Band 3 - 5470~5725MHz

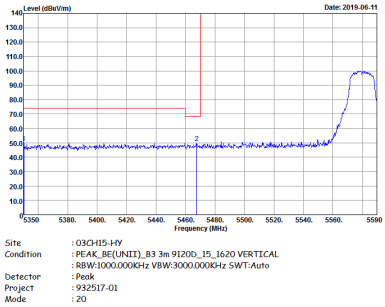
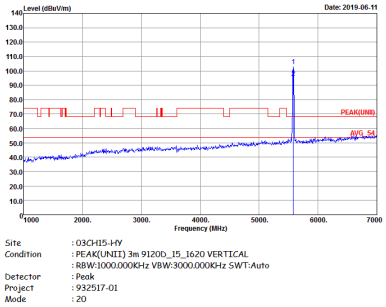
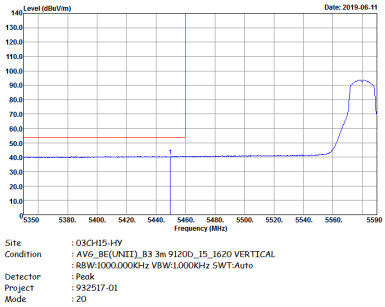
WIFI 802.11a (Band Edge @ 3m)

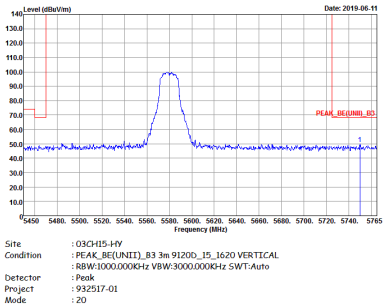
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

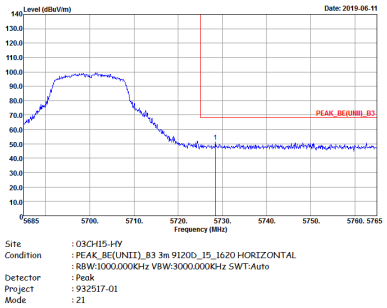
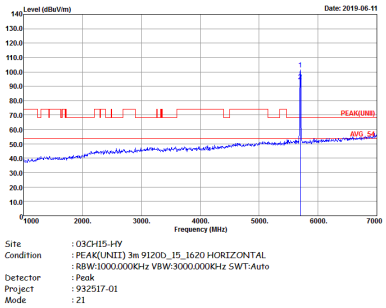
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

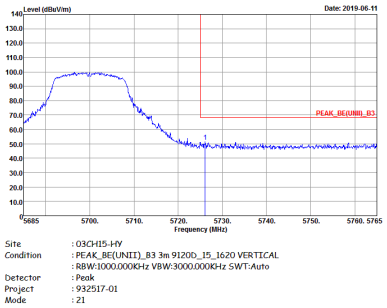
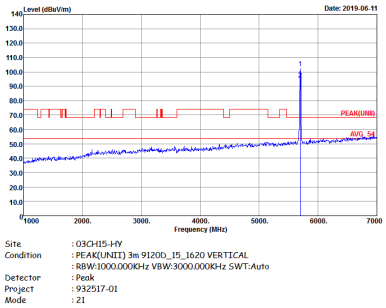
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

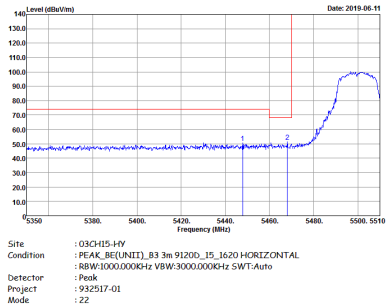
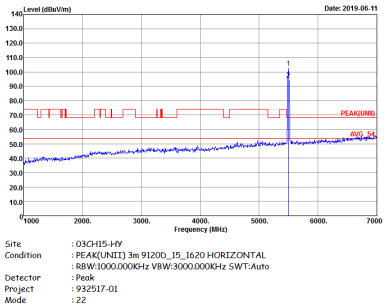
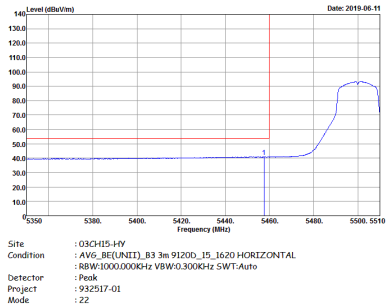
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

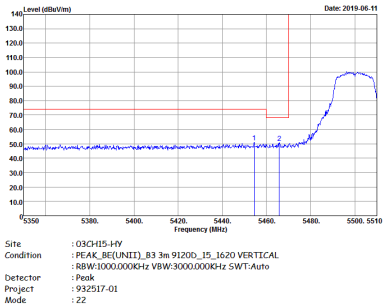
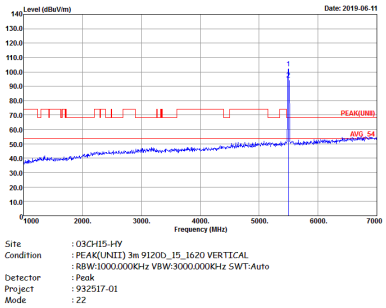
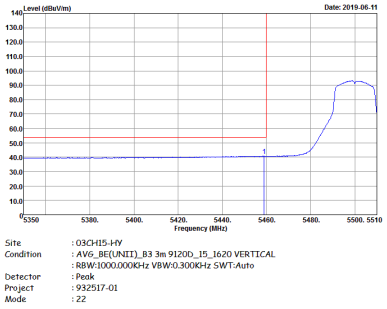
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

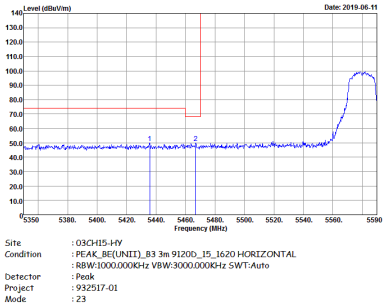
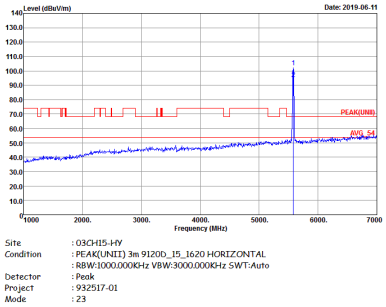
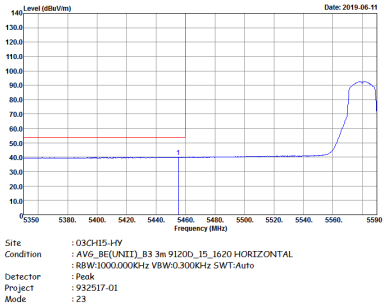
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

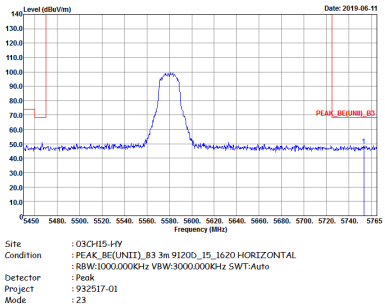
Band 3 5470~5725MHz

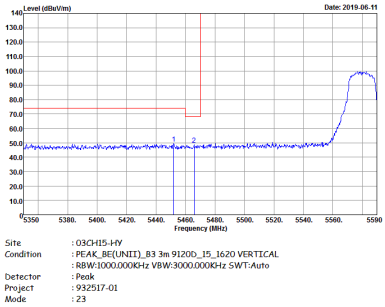
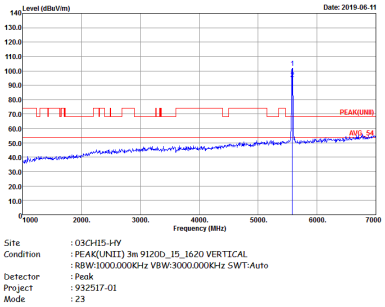
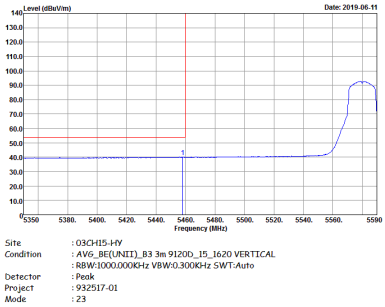
WIFI 802.11n HT20 (Band Edge @ 3m)

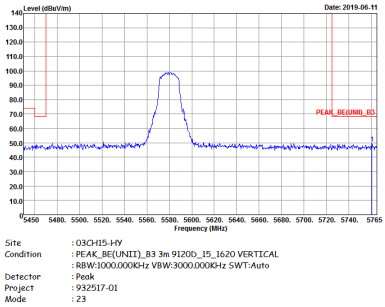
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak