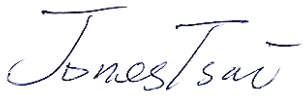
FCC RADIO TEST REPORT

FCC ID	**:**	**QYL8265FB**
Equipment	**:**	**Tablet**
Brand Name	**:**	**Getac**
Model Name	**:**	**F110**
Applicant	**:**	**Getac Technology Corporation.** **5F., Building A, No. 209, Sec. 1, Nangang Rd.,** **Nangang Dist., Taipei City 11568, Taiwan, R.O.C.**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Jun. 09, 2018 and testing was started from Jun. 21, 2018 and completed on Aug. 06, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The 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.



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
FR391803-51D	01	Initial issue of report	Aug. 09, 2018

Summary of Test Result

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

Reviewed by: Joseph Lin

Report Producer: Maggie Chiang

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Integrated WLAN Module	Brand Name: Intel Model Name: 8265NGW
Antenna Type	WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass: PATCH Antenna Digitizer: Loop Antenna

1.2 Modification of EUT

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

1.3 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.52, 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.
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.**
	03CH16-HY

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

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 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 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.

Single Mode

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

MIMO Mode

Modulation	Data Rate
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 + TF + TC

Remark:

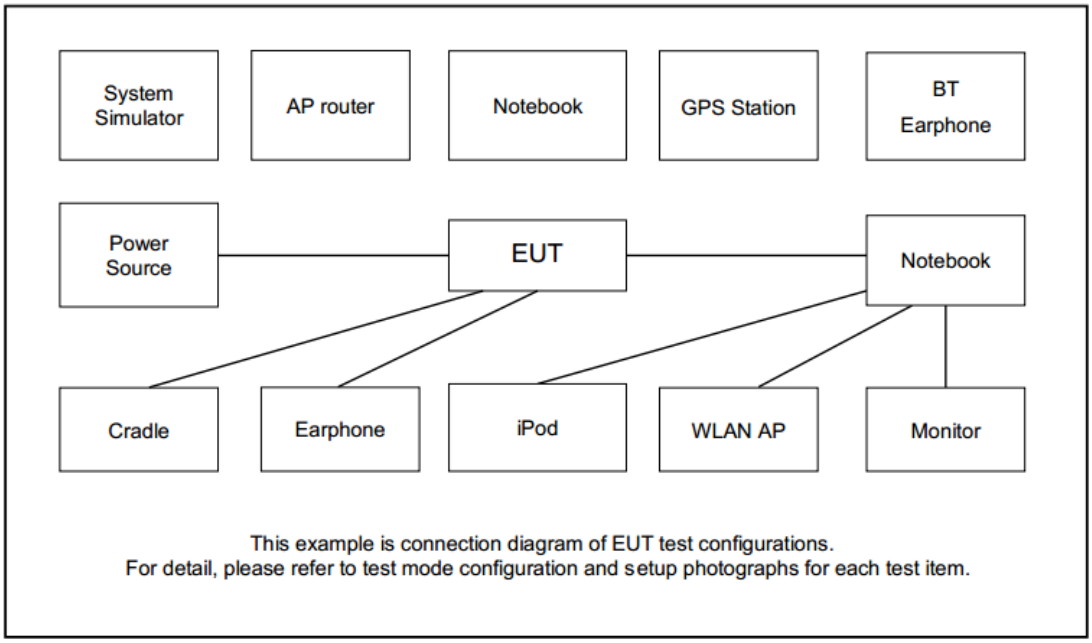
1. TF stands for Test Function, and consists of H-Pattern, Front Camera, Digitizer, Smart Card Reader, GPS Rx, and MPEG4.
2. TC stands for Test Configuration, and consists of USB3.0 HD, Monitor (HDMI out), Earphone, RJ-45 Link, Battery, and AC Adapter.

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



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	iPhone Earphone	Apple	N/A	Verification	Unshielded, 1.2 m	N/A
5.	LCD Monitor	DELL	P2715Qt	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
6.	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
7.	HD USB 3.0	Lenovo	F310S	FCC DoC	Shielded, 0.5 m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “DRTU.exe” was installed in EUT 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 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, 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

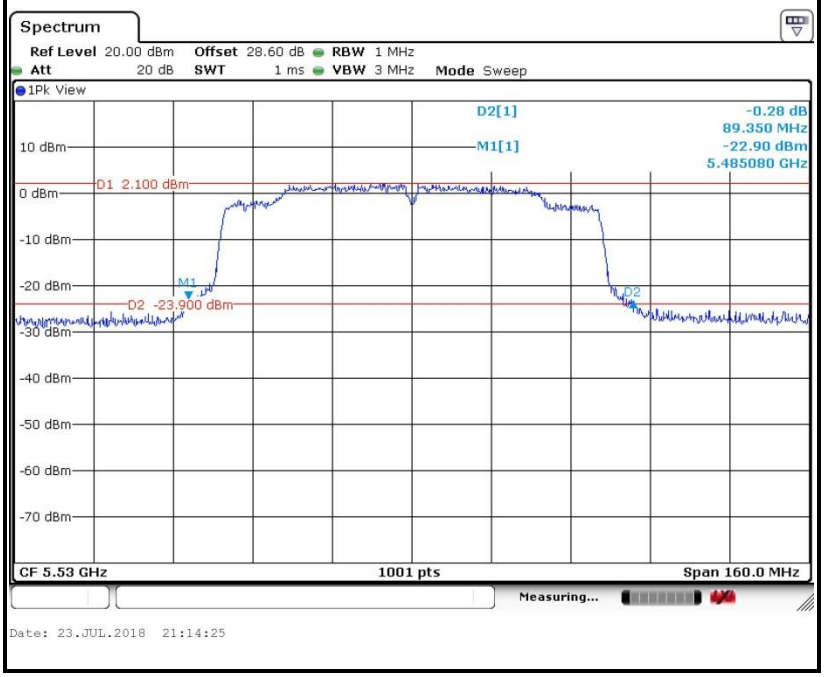
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

3.1.4 Test Setup

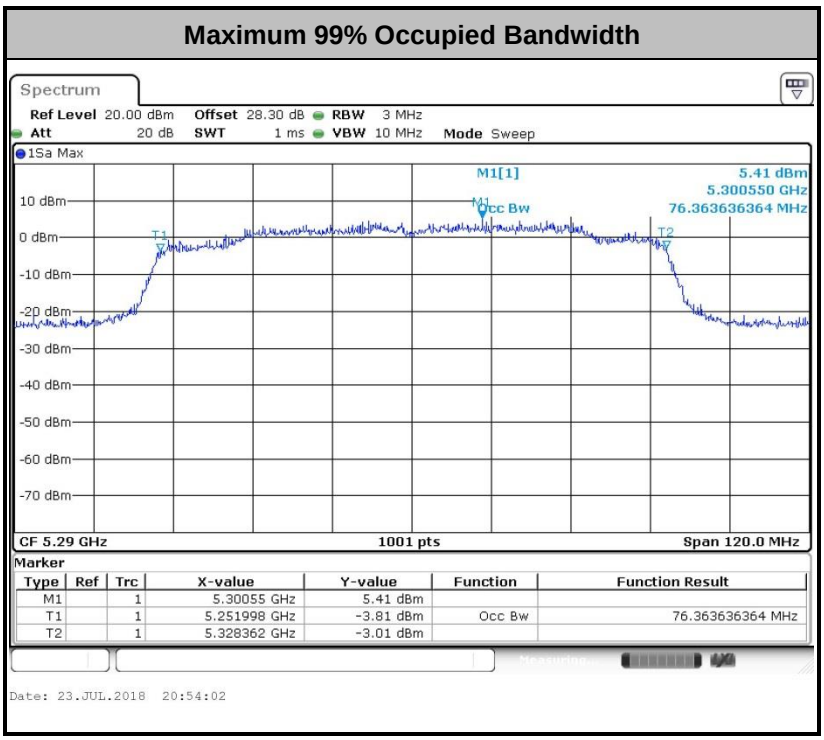
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

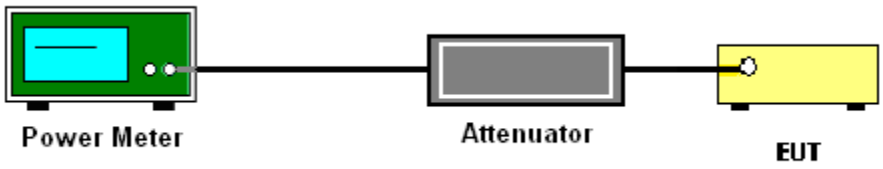
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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).

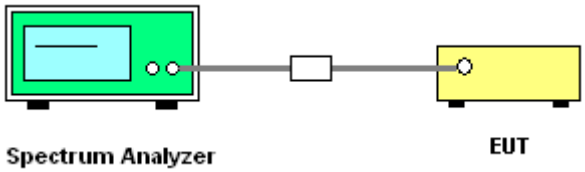
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

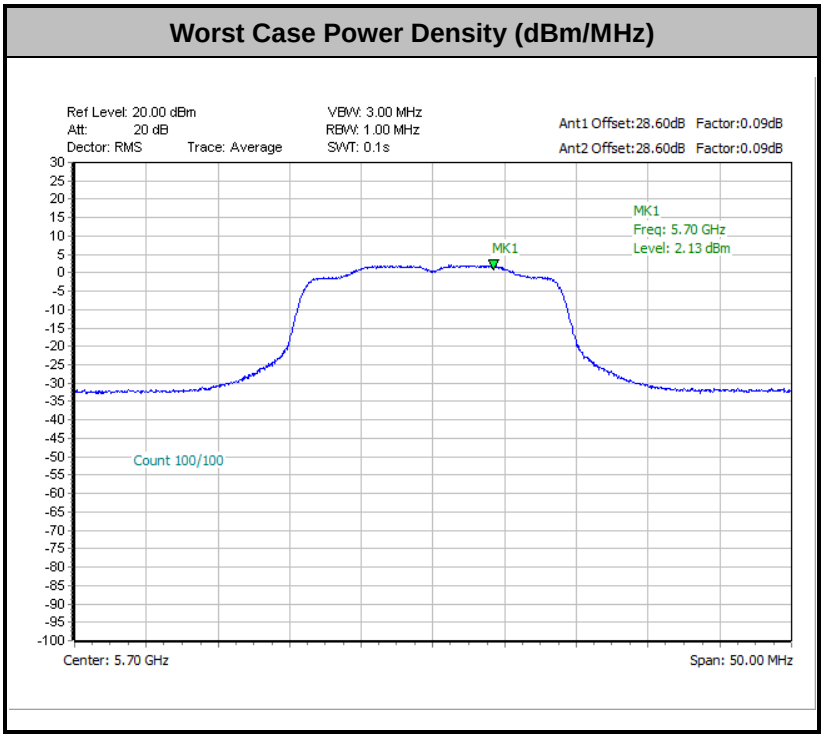
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

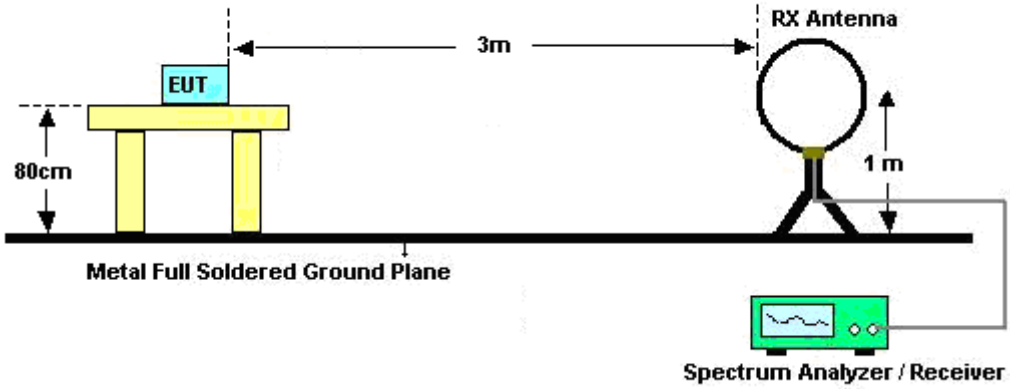
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

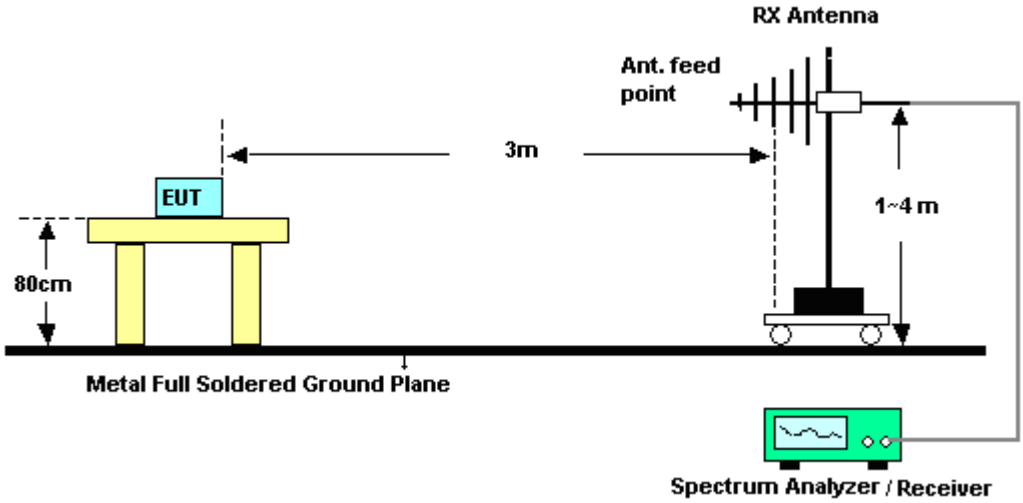
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

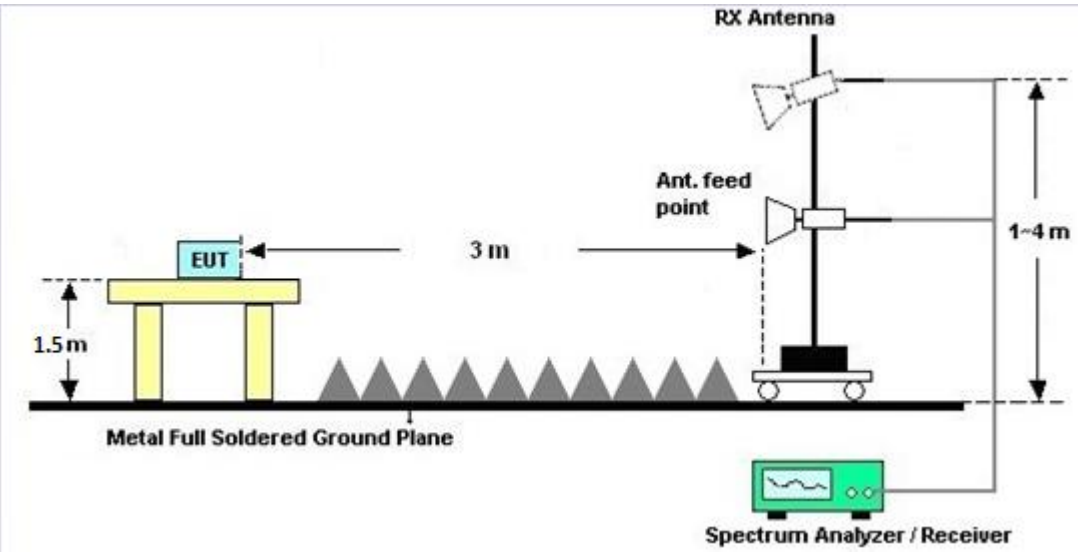
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, 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.

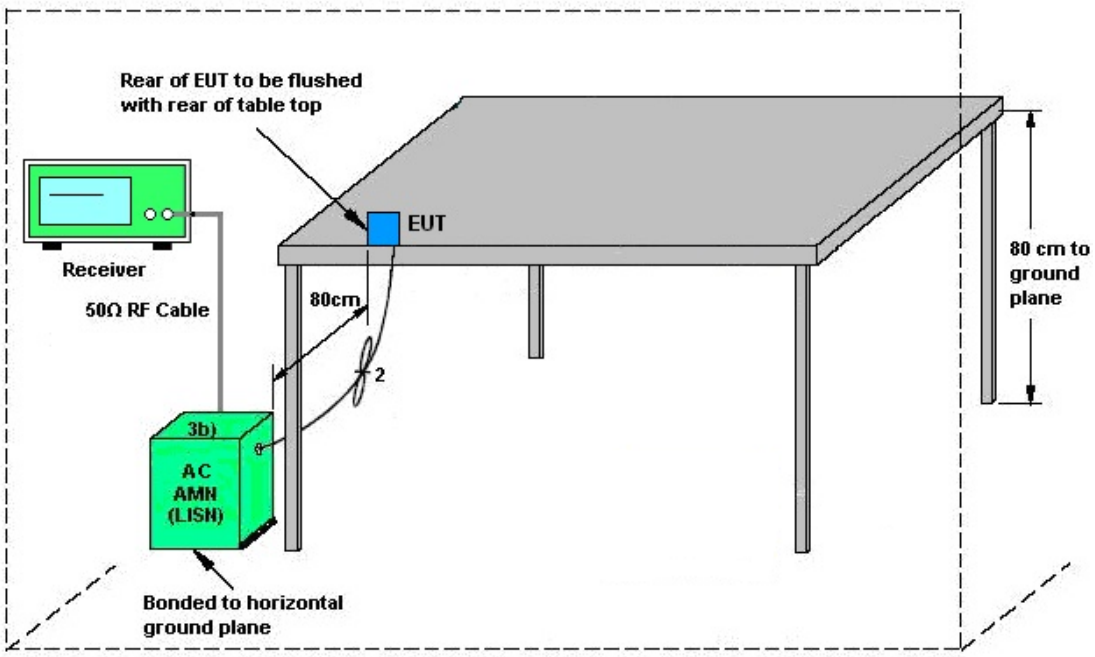
3.5.2 Measuring Instruments

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

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

3.7 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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.55	0.58	3.55	5.20	0.00	0.00
Band II	3.47	0.58	3.47	5.15	0.00	0.00
Band III	3.14	0.80	3.14	5.06	0.00	0.00

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1240001	N/A	Sep. 07, 2017	Jun. 21, 2018~ Aug. 06, 2018	Sep. 06, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207349	300MHz~40GHz	Sep. 07, 2017	Jun. 21, 2018~ Aug. 06, 2018	Sep. 06, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2017	Jun. 21, 2018~ Aug. 06, 2018	Nov. 20, 2018	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 09, 2017	Jun. 21, 2018~ Aug. 06, 2018	Nov. 08, 2018	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Jun. 21, 2018~ Aug. 06, 2018	Feb. 28, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 02, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Jul. 02, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Jul. 02, 2018	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 08, 2017	Jul. 02, 2018	Dec. 07, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 02, 2018	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Jul. 02, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Jul. 02, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Jul. 31, 2018~ Aug. 04, 2018	Nov. 22, 2018	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Nov. 20, 2017	Jul. 31, 2018~ Aug. 04, 2018	Nov. 19, 2018	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	May 10, 2018	Jul. 31, 2018~ Aug. 04, 2018	May 09, 2019	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Nov. 27, 2017	Jul. 31, 2018~ Aug. 04, 2018	Nov. 26, 2018	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Nov. 02, 2017	Jul. 31, 2018~ Aug. 04, 2018	Nov. 01, 2018	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 27, 2018	Jul. 31, 2018~ Aug. 04, 2018	Mar. 26, 2019	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Sep. 27, 2017	Jul. 31, 2018~ Aug. 04, 2018	Sep. 26, 2018	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800054001	1GHz~18GHz	Apr. 16, 2018	Jul. 31, 2018~ Aug. 04, 2018	Apr. 15, 2019	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz ~ 26.5GHz	Dec. 05, 2017	Jul. 31, 2018~ Aug. 04, 2018	Dec. 04, 2018	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 05, 2017	Jul. 31, 2018~ Aug. 04, 2018	Dec. 04, 2018	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 14, 2018	Jul. 31, 2018~ Aug. 04, 2018	Mar. 13, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	MY1082/26EA	30M~18GHz	Oct. 17, 2017	Jul. 31, 2018~ Aug. 04, 2018	Oct. 16, 2018	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Oct. 17, 2017	Jul. 31, 2018~ Aug. 04, 2018	Oct. 16, 2018	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 31, 2018~ Aug. 04, 2018	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 31, 2018~ Aug. 04, 2018	N/A	Radiation (03CH16-HY)
Software	AUDIX	E3 6.2009-8-24	RK001136	N/A	N/A	Jul. 31, 2018~ Aug. 04, 2018	N/A	Radiation (03CH16-HY)
Filter	Woken	WHKX8-5872.5-6750-18000-40ST	SN3	6.75GHz High Pass	Sep .18, 2017	Jul. 31, 2018~ Aug. 04, 2018	Sep .17, 2018	Radiation (03CH16-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.9**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang / Rebecca Li/Shiang Wang	Temperature:	21~25	°C
Test Date:	2018/6/21~2018/8/6	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	17.08	-	29.32	-	-		22.32	-		
11a	6Mbps	1	44	5220	16.93	-	27.47	-	-		22.29	-		
11a	6Mbps	1	48	5240	16.98	-	27.42	-	-		22.30	-		
HT20	MCS0	1	36	5180	18.03	-	29.07	-	-		22.56	-		
HT20	MCS0	1	44	5220	18.08	-	27.97	-	-		22.57	-		
HT20	MCS0	1	48	5240	18.03	-	27.47	-	-		22.56	-		
HT40	MCS0	1	38	5190	36.86	-	49.81	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.96	-	47.56	-	-		23.01	-		
VHT80	MCS0	1	42	5210	76.12	-	88.07	-	-		23.01	-		
HT20	MCS0	2	36	5180	18.08	17.78	29.22	26.22	-		22.50			
HT20	MCS0	2	44	5220	17.88	17.88	28.77	23.73	-		22.52			
HT20	MCS0	2	48	5240	18.13	17.88	28.97	27.47	-		22.52			
HT40	MCS0	2	38	5190	37.36	36.66	44.33	47.20	-		23.01			
HT40	MCS0	2	46	5230	37.16	36.66	45.94	46.66	-		23.01			
VHT80	MCS0	2	42	5210	76.12	75.76	86.47	87.27	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		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	0.08	-	9.46	-		24.00	-	3.55	0.58		Pass
11a	6Mbps	1	44	5220	0.08	-	9.44	-		24.00	-	3.55	0.58		Pass
11a	6Mbps	1	48	5240	0.08	-	9.49	-		24.00	-	3.55	0.58		Pass
HT20	MCS0	1	36	5180	0.07	-	9.47	-		24.00	-	3.55	0.58		Pass
HT20	MCS0	1	44	5220	0.07	-	9.51	-		24.00	-	3.55	0.58		Pass
HT20	MCS0	1	48	5240	0.07	-	9.58	-		24.00	-	3.55	0.58		Pass
HT40	MCS0	1	38	5190	0.14	-	9.03	-		24.00	-	3.55	0.58		Pass
HT40	MCS0	1	46	5230	0.14	-	9.32	-		24.00	-	3.55	0.58		Pass
VHT20	MCS0	1	36	5180	0.09	-	9.13	-		24.00	-	3.55	0.58		Pass
VHT20	MCS0	1	44	5220	0.09	-	9.28	-		24.00	-	3.55	0.58		Pass
VHT20	MCS0	1	48	5240	0.09	-	9.52	-		24.00	-	3.55	0.58		Pass
VHT40	MCS0	1	38	5190	0.16	-	9.00	-		24.00	-	3.55	0.58		Pass
VHT40	MCS0	1	46	5230	0.16	-	9.30	-		24.00	-	3.55	0.58		Pass
VHT80	MCS0	1	42	5210	0.29	-	9.38	-		24.00	-	3.55	0.58		Pass
HT20	MCS0	2	36	5180	0.09	0.09	6.92	10.19	11.87	24.00		3.55			Pass
HT20	MCS0	2	44	5220	0.09	0.09	6.80	10.02	11.71	24.00		3.55			Pass
HT20	MCS0	2	48	5240	0.09	0.09	6.94	10.04	11.77	24.00		3.55			Pass
HT40	MCS0	2	38	5190	0.16	0.19	6.19	10.33	11.75	24.00		3.55			Pass
HT40	MCS0	2	46	5230	0.16	0.19	6.11	10.31	11.71	24.00		3.55			Pass
VHT20	MCS0	2	36	5180	0.11	0.09	6.24	10.14	11.62	24.00		3.55			Pass
VHT20	MCS0	2	44	5220	0.11	0.09	6.50	9.92	11.55	24.00		3.55			Pass
VHT20	MCS0	2	48	5240	0.11	0.09	6.65	9.96	11.62	24.00		3.55			Pass
VHT40	MCS0	2	38	5190	0.19	0.16	6.13	10.29	11.70	24.00		3.55			Pass
VHT40	MCS0	2	46	5230	0.19	0.16	6.08	10.27	11.67	24.00		3.55			Pass
VHT80	MCS0	2	42	5210	0.36	0.34	6.56	10.34	11.86	24.00		3.55			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	0.08	-	-0.94	-		11.00	-	3.55	0.58		Pass
11a	6Mbps	1	44	5220	0.08	-	-0.82	-		11.00	-	3.55	0.58		Pass
11a	6Mbps	1	48	5240	0.08	-	-0.67	-		11.00	-	3.55	0.58		Pass
HT20	MCS0	1	36	5180	0.07	-	-1.32	-		11.00	-	3.55	0.58		Pass
HT20	MCS0	1	44	5220	0.07	-	-1.29	-		11.00	-	3.55	0.58		Pass
HT20	MCS0	1	48	5240	0.07	-	-1.29	-		11.00	-	3.55	0.58		Pass
HT40	MCS0	1	38	5190	0.14	-	-5.58	-		11.00	-	3.55	0.58		Pass
HT40	MCS0	1	46	5230	0.14	-	-5.20	-		11.00	-	3.55	0.58		Pass
VHT80	MCS0	1	42	5210	0.29	-	-7.67	-		11.00	-	3.55	0.58		Pass
HT20	MCS0	2	36	5180	0.09	0.09			0.71	11.00		5.20			Pass
HT20	MCS0	2	44	5220	0.09	0.09			0.42	11.00		5.20			Pass
HT20	MCS0	2	48	5240	0.09	0.09			0.75	11.00		5.20			Pass
HT40	MCS0	2	38	5190	0.16	0.19			-2.80	11.00		5.20			Pass
HT40	MCS0	2	46	5230	0.16	0.19			-2.39	11.00		5.20			Pass
VHT80	MCS0	2	42	5210	0.36	0.34			-5.35	11.00		5.20			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	16.93	-	27.47	-	23.29	-	29.29	-	23.98	-	
11a	6Mbps	1	60	5300	16.88	-	27.27	-	23.27	-	29.27	-	23.98	-	
11a	6Mbps	1	64	5320	16.78	-	26.52	-	23.25	-	29.25	-	23.98	-	
HT20	MCS0	1	52	5260	18.03	-	28.27	-	23.56	-	29.56	-	23.98	-	
HT20	MCS0	1	60	5300	17.93	-	27.12	-	23.54	-	29.54	-	23.98	-	
HT20	MCS0	1	64	5320	17.98	-	26.62	-	23.55	-	29.55	-	23.98	-	
HT40	MCS0	1	54	5270	36.76	-	46.84	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	37.06	-	48.82	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.88	-	85.20	-	23.98	-	30.00	-	23.98	-	
HT20	MCS0	2	52	5260	18.08	17.88	27.67	26.82	23.52		29.52		23.98		
HT20	MCS0	2	60	5300	18.13	17.98	26.22	26.42	23.55		29.55		23.98		
HT20	MCS0	2	64	5320	17.93	17.98	27.87	27.57	23.54		29.54		23.98		
HT40	MCS0	2	54	5270	37.16	36.56	46.30	46.03	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	37.26	36.66	45.23	48.01	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.36	76.00	85.51	87.27	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.08	-	9.51	-		23.98	-	3.47	0.58	30	Pass
11a	6Mbps	1	60	5300	0.08	-	9.49	-		23.98	-	3.47	0.58	30	Pass
11a	6Mbps	1	64	5320	0.08	-	9.55	-		23.98	-	3.47	0.58	30	Pass
HT20	MCS0	1	52	5260	0.07	-	9.56	-		23.98	-	3.47	0.58	30	Pass
HT20	MCS0	1	60	5300	0.07	-	9.61	-		23.98	-	3.47	0.58	30	Pass
HT20	MCS0	1	64	5320	0.07	-	9.56	-		23.98	-	3.47	0.58	30	Pass
HT40	MCS0	1	54	5270	0.14	-	9.55	-		23.98	-	3.47	0.58	30	Pass
HT40	MCS0	1	62	5310	0.14	-	9.55	-		23.98	-	3.47	0.58	30	Pass
VHT20	MCS0	1	52	5260	0.09	-	9.40	-		23.98	-	3.47	0.58	30	Pass
VHT20	MCS0	1	60	5300	0.09	-	9.48	-		23.98	-	3.47	0.58	30	Pass
VHT20	MCS0	1	64	5320	0.09	-	9.36	-		23.98	-	3.47	0.58	30	Pass
VHT40	MCS0	1	54	5270	0.16	-	9.49	-		23.98	-	3.47	0.58	30	Pass
VHT40	MCS0	1	62	5310	0.16	-	9.54	-		23.98	-	3.47	0.58	30	Pass
VHT80	MCS0	1	58	5290	0.29	-	9.21	-		23.98	-	3.47	0.58	30	Pass
HT20	MCS0	2	52	5260	0.09	0.09	6.81	10.20	11.84	23.98		3.47		30	Pass
HT20	MCS0	2	60	5300	0.09	0.09	6.82	10.14	11.80	23.98		3.47		30	Pass
HT20	MCS0	2	64	5320	0.09	0.09	7.10	10.22	11.94	23.98		3.47		30	Pass
HT40	MCS0	2	54	5270	0.16	0.19	6.42	10.36	11.83	23.98		3.47		30	Pass
HT40	MCS0	2	62	5310	0.16	0.19	6.65	10.34	11.89	23.98		3.47		30	Pass
VHT20	MCS0	2	52	5260	0.11	0.09	6.43	10.16	11.69	23.98		3.47		30	Pass
VHT20	MCS0	2	60	5300	0.11	0.09	6.54	10.10	11.69	24.98		3.47		30	Pass
VHT20	MCS0	2	64	5320	0.11	0.09	6.74	10.19	11.81	25.98		3.47		30	Pass
VHT40	MCS0	2	54	5270	0.19	0.16	6.57	10.26	11.81	26.98		3.47		30	Pass
VHT40	MCS0	2	62	5310	0.19	0.16	6.63	10.28	11.84	27.98		3.47		30	Pass
VHT80	MCS0	2	58	5290	0.36	0.34	6.67	10.38	11.92	23.98		3.47		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	0.08	-	-0.96	-		11.00	-	3.47	0.58		Pass
11a	6Mbps	1	60	5300	0.08	-	-0.76	-		11.00	-	3.47	0.58		Pass
11a	6Mbps	1	64	5320	0.08	-	-2.23	-		11.00	-	3.47	0.58		Pass
HT20	MCS0	1	52	5260	0.07	-	-1.40	-		11.00	-	3.47	0.58		Pass
HT20	MCS0	1	60	5300	0.07	-	-0.05	-		11.00	-	3.47	0.58		Pass
HT20	MCS0	1	64	5320	0.07	-	-1.08	-		11.00	-	3.47	0.58		Pass
HT40	MCS0	1	54	5270	0.14	-	-4.86	-		11.00	-	3.47	0.58		Pass
HT40	MCS0	1	62	5310	0.14	-	-4.68	-		11.00	-	3.47	0.58		Pass
VHT80	MCS0	1	58	5290	0.29	-	-7.49	-		11.00	-	3.47	0.58		Pass
HT20	MCS0	2	52	5260	0.09	0.09			0.84	11.00		5.15			Pass
HT20	MCS0	2	60	5300	0.09	0.09			0.91	11.00		5.15			Pass
HT20	MCS0	2	64	5320	0.09	0.09			1.28	11.00		5.15			Pass
HT40	MCS0	2	54	5270	0.16	0.19			-2.14	11.00		5.15			Pass
HT40	MCS0	2	62	5310	0.16	0.19			-1.90	11.00		5.15			Pass
VHT80	MCS0	2	58	5290	0.36	0.34			-5.42	11.00		5.15			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	16.78	-	25.87	-	23.25	-	29.25	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.78	-	25.92	-	23.25	-	29.25	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.83	-	24.33	-	23.26	-	29.26	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.88	-	25.37	-	23.52	-	29.52	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.93	-	27.12	-	23.54	-	29.54	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.98	-	26.87	-	23.55	-	29.55	-	23.98	-	----	----
HT20	MCS0	1	144	5720	13.99	-	18.54	-	22.46	-	28.46	-	23.68	-	2.55	-
HT40	MCS0	1	102	5510	36.66	-	48.10	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.76	-	46.39	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.66	-	46.39	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	142	5710	33.38	-	38.11	-	23.98	-	30.00	-	23.98	-	2.54	-
VHT80	MCS0	1	106	5530	75.88	-	85.83	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.88	-	85.36	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	138	5690	72.76	-	77.36	-	23.98	-	30.00	-	23.98	-	2.53	-
HT20	MCS0	2	100	5500	18.13	18.03	26.72	26.22	23.56		29.56		23.98		----	----
HT20	MCS0	2	116	5580	17.88	17.98	27.37	27.17	23.52		29.52		23.98		----	----
HT20	MCS0	2	140	5700	18.03	17.93	27.47	27.62	23.54		29.54		23.98		----	----
HT20	MCS0	2	144	5720	13.94	14.09	18.29	17.04	22.44		28.44		23.31		3.09	2.5
HT40	MCS0	2	102	5510	36.96	36.76	45.14	47.56	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.96	36.66	44.76	46.75	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	37.16	36.86	45.23	47.20	23.98		30.00		23.98		----	----
HT40	MCS0	2	142	5710	33.28	33.38	38.11	37.66	23.98		30.00		23.98		2.48	2.48
VHT80	MCS0	2	106	5530	76.24	75.88	84.72	89.35	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.12	76.00	84.40	88.71	23.98		30.00		23.98		----	----
VHT80	MCS0	2	138	5690	73.00	73.12	77.36	79.60	23.98		30.00		23.98		0.01	0.01

Report Number : FR391803-51D

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.08	-	10.64	-		23.98	-	3.14	0.80	30	Pass
11a	6Mbps	1	116	5580	0.08	-	11.78	-		23.98	-	3.14	0.80	30	Pass
11a	6Mbps	1	140	5700	0.08	-	12.00	-		23.98	-	3.14	0.80	30	Pass
HT20	MCS0	1	100	5500	0.07	-	10.85	-		23.98	-	3.14	0.80	30	Pass
HT20	MCS0	1	116	5580	0.07	-	11.82	-		23.98	-	3.14	0.80	30	Pass
HT20	MCS0	1	140	5700	0.07	-	12.32	-		23.98	-	3.14	0.80	30	Pass
HT20	MCS0	1	144	5720	0.07	-	12.45	-		23.68	-	3.14	0.80	30	Pass
HT40	MCS0	1	102	5510	0.14	-	10.70	-		23.98	-	3.14	0.80	30	Pass
HT40	MCS0	1	110	5550	0.14	-	11.45	-		23.98	-	3.14	0.80	30	Pass
HT40	MCS0	1	134	5670	0.14	-	12.03	-		23.98	-	3.14	0.80	30	Pass
HT40	MCS0	1	142	5710	0.14	-	11.93	-		23.98	-	3.14	0.80	30	Pass
VHT20	MCS0	1	100	5500	0.09	-	10.83	-		23.98	-	3.14	0.80	30	Pass
VHT20	MCS0	1	116	5580	0.09	-	11.75	-		23.98	-	3.14	0.80	30	Pass
VHT20	MCS0	1	140	5700	0.09	-	12.07	-		23.98	-	3.14	0.80	30	Pass
VHT20	MCS0	1	144	5720	0.09	-	12.05	-		23.68	-	3.14	0.80	30	Pass
VHT40	MCS0	1	102	5510	0.16	-	10.64	-		23.98	-	3.14	0.80	30	Pass
VHT40	MCS0	1	110	5550	0.16	-	11.11	-		23.98	-	3.14	0.80	30	Pass
VHT40	MCS0	1	134	5670	0.16	-	11.99	-		23.98	-	3.14	0.80	30	Pass
VHT40	MCS0	1	142	5710	0.16	-	11.90	-		23.98	-	3.14	0.80	30	Pass
VHT80	MCS0	1	106	5530	0.29	-	10.40	-		23.98	-	3.14	0.80	30	Pass
VHT80	MCS0	1	122	5610	0.29	-	11.51	-		23.98	-	3.14	0.80	30	Pass
VHT80	MCS0	1	138	5690	0.29	-	11.91	-		23.98	-	3.14	0.80	30	Pass
HT20	MCS0	2	100	5500	0.09	0.09	7.92	10.28	12.27	23.98		3.14		30	Pass
HT20	MCS0	2	116	5580	0.09	0.09	9.06	10.14	12.64	23.98		3.14		30	Pass
HT20	MCS0	2	140	5700	0.09	0.09	9.76	10.01	12.90	23.98		3.14		30	Pass
HT20	MCS0	2	144	5720	0.09	0.09	9.88	9.73	12.82	23.31		3.14		30	Pass
HT40	MCS0	2	102	5510	0.16	0.19	7.70	10.39	12.26	23.98		3.14		30	Pass
HT40	MCS0	2	110	5550	0.16	0.19	8.07	10.22	12.29	23.98		3.14		30	Pass
HT40	MCS0	2	134	5670	0.16	0.19	9.46	10.25	12.89	23.98		3.14		30	Pass
HT40	MCS0	2	142	5710	0.16	0.19	9.36	10.19	12.81	23.98		3.14		30	Pass
VHT20	MCS0	2	100	5500	0.11	0.09	7.62	10.19	12.10	23.98		3.14		30	Pass
VHT20	MCS0	2	116	5580	0.11	0.09	8.84	10.12	12.54	23.98		3.14		30	Pass
VHT20	MCS0	2	140	5700	0.11	0.09	9.36	9.99	12.70	23.98		3.14		30	Pass
VHT20	MCS0	2	144	5720	0.11	0.09	9.50	9.72	12.62	23.31		3.14		30	Pass
VHT40	MCS0	2	102	5510	0.19	0.16	7.58	10.30	12.16	23.98		3.14		30	Pass
VHT40	MCS0	2	110	5550	0.19	0.16	8.00	10.16	12.22	23.98		3.14		30	Pass
VHT40	MCS0	2	134	5670	0.19	0.16	9.36	10.20	12.81	23.98		3.14		30	Pass
VHT40	MCS0	2	142	5710	0.19	0.16	9.28	10.14	12.74	23.98		3.14		30	Pass
VHT80	MCS0	2	106	5530	0.36	0.34	7.20	10.30	12.04	23.98		3.14		30	Pass
VHT80	MCS0	2	122	5610	0.36	0.34	8.79	10.24	12.59	23.98		3.14		30	Pass
VHT80	MCS0	2	138	5690	0.36	0.34	8.72	10.26	12.57	23.98		3.14		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	0.08	-	-1.49	-		11.00	-	3.14	0.80		Pass
11a	6Mbps	1	116	5580	0.08	-	-0.45	-		11.00	-	3.14	0.80		Pass
11a	6Mbps	1	140	5700	0.08	-	-0.31	-		11.00	-	3.14	0.80		Pass
HT20	MCS0	1	100	5500	0.07	-	0.33	-		11.00	-	3.14	0.80		Pass
HT20	MCS0	1	116	5580	0.07	-	1.00	-		11.00	-	3.14	0.80		Pass
HT20	MCS0	1	140	5700	0.07	-	1.42	-		11.00	-	3.14	0.80		Pass
HT20	MCS0	1	144	5720	0.07	-	1.33	-		11.00	-	3.14	0.80		Pass
HT40	MCS0	1	102	5510	0.14	-	-3.27	-		11.00	-	3.14	0.80		Pass
HT40	MCS0	1	110	5550	0.14	-	-2.63	-		11.00	-	3.14	0.80		Pass
HT40	MCS0	1	134	5670	0.14	-	-2.72	-		11.00	-	3.14	0.80		Pass
HT40	MCS0	1	142	5710	0.14	-	-2.10	-		11.00	-	3.14	0.80		Pass
VHT80	MCS0	1	106	5530	0.29	-	-6.28	-		11.00	-	3.14	0.80		Pass
VHT80	MCS0	1	122	5610	0.29	-	-5.40	-		11.00	-	3.14	0.80		Pass
VHT80	MCS0	1	138	5690	0.29	-	-4.93	-		11.00	-	3.14	0.80		Pass
HT20	MCS0	2	100	5500	0.09	0.09			1.14	11.00		5.06			Pass
HT20	MCS0	2	116	5580	0.09	0.09			1.28	11.00		5.06			Pass
HT20	MCS0	2	140	5700	0.09	0.09			2.13	11.00		5.06			Pass
HT20	MCS0	2	144	5720	0.09	0.09			2.09	11.00		5.06			Pass
HT40	MCS0	2	102	5510	0.16	0.19			-1.74	11.00		5.06			Pass
HT40	MCS0	2	110	5550	0.16	0.19			-1.91	11.00		5.06			Pass
HT40	MCS0	2	134	5670	0.16	0.19			-1.55	11.00		5.06			Pass
HT40	MCS0	2	142	5710	0.16	0.19			-1.28	11.00		5.06			Pass
VHT80	MCS0	2	106	5530	0.36	0.34			-5.25	11.00		5.06			Pass
VHT80	MCS0	2	122	5610	0.36	0.34			-4.73	11.00		5.06			Pass
VHT80	MCS0	2	138	5690	0.36	0.34			-4.92	11.00		5.06			Pass

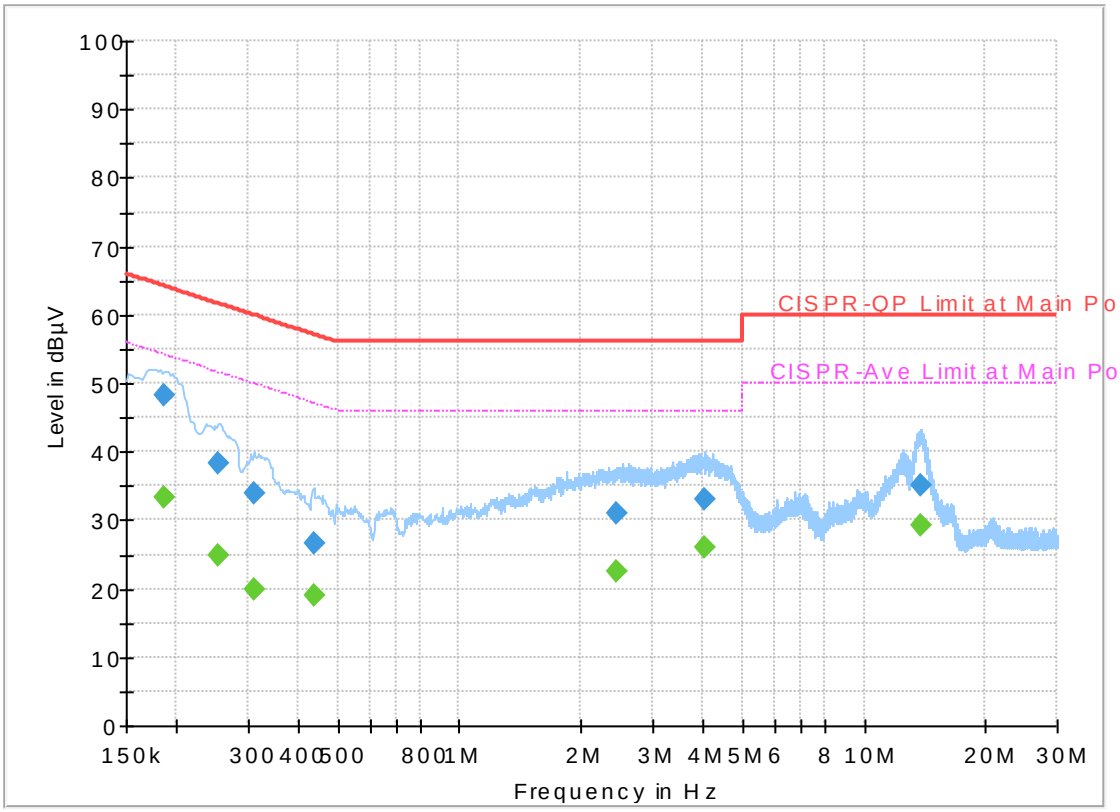
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Kai-Chun Chu	**Temperature :**	25~27℃
		Relative Humidity :	50~52%

EUT Information

Report NO :	391803-51
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



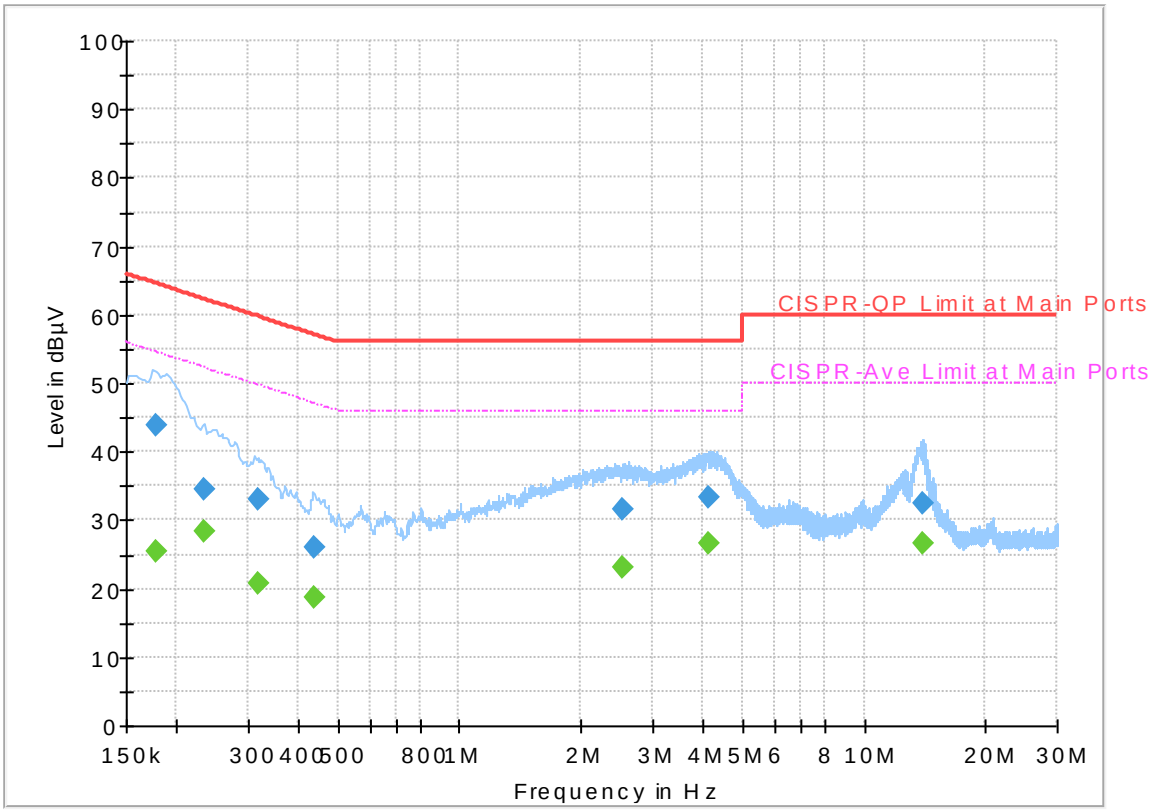
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	33.42	54.21	20.79	L1	OFF	19.5
0.186000	48.26	---	64.21	15.95	L1	OFF	19.5
0.253500	---	24.71	51.64	26.93	L1	OFF	19.5
0.253500	38.19	---	61.64	23.45	L1	OFF	19.5
0.309750	---	19.92	49.98	30.06	L1	OFF	19.5
0.309750	34.00	---	59.98	25.98	L1	OFF	19.5
0.435750	---	19.12	47.14	28.02	L1	OFF	19.5
0.435750	26.63	---	57.14	30.51	L1	OFF	19.5
2.438250	---	22.62	46.00	23.38	L1	OFF	19.5
2.438250	31.00	---	56.00	25.00	L1	OFF	19.5
4.044750	---	25.91	46.00	20.09	L1	OFF	19.6
4.044750	33.00	---	56.00	23.00	L1	OFF	19.6
13.800750	---	29.19	50.00	20.81	L1	OFF	19.7
13.800750	35.13	---	60.00	24.87	L1	OFF	19.7

EUT Information

Report NO :	391803-51
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.177000	---	25.49	54.63	29.14	N	OFF	19.5
0.177000	43.93	---	64.63	20.70	N	OFF	19.5
0.233250	---	28.34	52.33	23.99	N	OFF	19.5
0.233250	34.41	---	62.33	27.92	N	OFF	19.5
0.316500	---	20.69	49.80	29.11	N	OFF	19.5
0.316500	33.15	---	59.80	26.65	N	OFF	19.5
0.438000	---	18.82	47.10	28.28	N	OFF	19.5
0.438000	26.10	---	57.10	31.00	N	OFF	19.5
2.537250	---	23.09	46.00	22.91	N	OFF	19.5
2.537250	31.56	---	56.00	24.44	N	OFF	19.5
4.141500	---	26.70	46.00	19.30	N	OFF	19.6
4.141500	33.24	---	56.00	22.76	N	OFF	19.6
13.953750	---	26.54	50.00	23.46	N	OFF	19.8
13.953750	32.53	---	60.00	27.47	N	OFF	19.8

Appendix C. Radiated Spurious Emission

Test Engineer :	Watt Tseng, JC Liang, and Andy Yang	Temperature :	22~26°C
		Relative Humidity :	50~54%

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

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)
		5138.84	51.21	-22.79	74	38.97	31.63	9.99	29.38	244	165	P	H
		5150	39.63	-14.37	54	27.38	31.63	10	29.38	244	165	A	H
	*	5180	98.22	-	-	85.95	31.64	10.02	29.39	244	165	P	H
	*	5180	90.14	-	-	77.87	31.64	10.02	29.39	244	165	A	H
802.11n													H
HT20													H
CH 36		5150	52.02	-21.98	74	39.77	31.63	10	29.38	244	127	P	V
5180MHz		5150	40.99	-13.01	54	28.74	31.63	10	29.38	244	127	A	V
	*	5180	102.22	-	-	89.95	31.64	10.02	29.39	244	127	P	V
	*	5180	93.92	-	-	81.65	31.64	10.02	29.39	244	127	A	V
													V
													V
		5044.46	50.4	-23.6	74	38.24	31.61	9.92	29.37	257	165	P	H
		5146.64	39.1	-14.9	54	26.85	31.63	10	29.38	257	165	A	H
	*	5220	97.76	-	-	85.47	31.64	10.04	29.39	257	165	P	H
	*	5220	89.17	-	-	76.88	31.64	10.04	29.39	257	165	A	H
802.11n		5453.28	50.18	-23.82	74	37.81	31.69	10.11	29.43	257	165	P	H
HT20		5456.08	39.13	-14.87	54	26.75	31.69	10.12	29.43	257	165	A	H
CH 44		5104.78	51.29	-22.71	74	39.07	31.62	9.97	29.37	243	121	P	V
5220MHz		5145.34	39.63	-14.37	54	27.38	31.63	10	29.38	243	121	A	V
	*	5220	101.75	-	-	89.46	31.64	10.04	29.39	243	121	P	V
	*	5220	92.71	-	-	80.42	31.64	10.04	29.39	243	121	A	V
		5360.04	51.22	-22.78	74	38.91	31.67	10.05	29.41	243	121	P	V
		5458.88	40.17	-13.83	54	27.79	31.69	10.12	29.43	243	121	A	V

		5060.58	50.46	-23.54	74	38.28	31.61	9.94	29.37	257	166	P	H
		5135.72	38.82	-15.18	54	26.58	31.63	9.99	29.38	257	166	A	H
	*	5240	98.29	-	-	85.99	31.65	10.04	29.39	257	166	P	H
	*	5240	90.1	-	-	77.8	31.65	10.04	29.39	257	166	A	H
802.11n		5386.36	50.24	-23.76	74	37.93	31.68	10.05	29.42	257	166	P	H
HT20		5404	38.88	-15.12	54	26.57	31.68	10.05	29.42	257	166	A	H
CH 48		5093.08	51.78	-22.22	74	39.57	31.62	9.96	29.37	210	140	P	V
5240MHz		5002.08	39.22	-14.78	54	27.09	31.6	9.89	29.36	210	140	A	V
	*	5240	102.16	-	-	89.86	31.65	10.04	29.39	210	140	P	V
	*	5240	94.01	-	-	81.71	31.65	10.04	29.39	210	140	A	V
		5351.08	51.18	-22.82	74	38.87	31.67	10.05	29.41	210	140	P	V
		5397.84	39.78	-14.22	54	27.47	31.68	10.05	29.42	210	140	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. 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)
		10360	48.04	-25.96	74	56.14	39.48	13.22	60.8	100	0	P	H
		15540	44.07	-29.93	74	51.86	37.89	15.09	60.77	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	47.15	-26.85	74	55.25	39.48	13.22	60.8	100	0	P	V
5180MHz		15540	42.82	-31.18	74	50.61	37.89	15.09	60.77	100	0	P	V
													V
													V
		10440	48.46	-25.54	74	56.55	39.6	13.23	60.92	100	0	P	H
		15660	43.97	-30.03	74	52	37.55	15.09	60.67	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	45.78	-28.22	74	53.87	39.6	13.23	60.92	100	0	P	V
5220MHz		15660	43.49	-30.51	74	51.52	37.55	15.09	60.67	100	0	P	V
													V
													V
		10480	47.11	-26.89	74	55.17	39.67	13.24	60.97	100	0	P	H
		15720	43.25	-30.75	74	51.4	37.38	15.09	60.62	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	46.81	-27.19	74	54.87	39.67	13.24	60.97	100	0	P	V
5240MHz		15720	43.27	-30.73	74	51.42	37.38	15.09	60.62	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		5144.56	52.42	-21.58	74	40.17	31.63	10	29.38	250	167	P	H
		5148.46	44.21	-9.79	54	31.96	31.63	10	29.38	250	167	A	H
	*	5190	94.82	-	-	82.54	31.64	10.03	29.39	250	167	P	H
	*	5190	87.21	-	-	74.93	31.64	10.03	29.39	250	167	A	H
		5367.04	50.93	-23.07	74	38.62	31.67	10.05	29.41	250	167	P	H
		5436.48	41.01	-12.99	54	28.65	31.69	10.09	29.42	250	167	A	H
		5150	54.26	-19.74	74	42.01	31.63	10	29.38	256	166	P	V
		5148.72	46.15	-7.85	54	33.9	31.63	10	29.38	256	166	A	V
	*	5190	98.22	-	-	85.94	31.64	10.03	29.39	256	166	P	V
	*	5190	90.38	-	-	78.1	31.64	10.03	29.39	256	166	A	V
		5431.72	50.92	-23.08	74	38.56	31.69	10.09	29.42	256	166	P	V
		5440.12	41.83	-12.17	54	29.46	31.69	10.1	29.42	256	166	A	V
802.11n HT40 CH 46 5230MHz		5112.58	50.7	-23.3	74	38.48	31.62	9.97	29.37	240	167	P	H
		5118.3	41.04	-12.96	54	28.82	31.62	9.98	29.38	240	167	A	H
	*	5230	95.2	-	-	82.9	31.65	10.04	29.39	240	167	P	H
	*	5230	87.31	-	-	75.01	31.65	10.04	29.39	240	167	A	H
		5416.6	50.12	-23.88	74	37.79	31.68	10.07	29.42	240	167	P	H
		5391.96	41.36	-12.64	54	29.05	31.68	10.05	29.42	240	167	A	H
		5101.92	51.29	-22.71	74	39.07	31.62	9.97	29.37	232	140	P	V
		5110.76	41.53	-12.47	54	29.31	31.62	9.97	29.37	232	140	A	V
	*	5230	98.85	-	-	86.55	31.65	10.04	29.39	232	140	P	V
	*	5230	91.2	-	-	78.9	31.65	10.04	29.39	232	140	A	V
		5381.88	50.56	-23.44	74	38.25	31.68	10.05	29.42	232	140	P	V
		5399.52	41.5	-12.5	54	29.19	31.68	10.05	29.42	232	140	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 (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		5146.38	52.83	-21.17	74	40.58	31.63	10	29.38	261	174	P	H
		5148.2	45.25	-8.75	54	33	31.63	10	29.38	261	174	A	H
	*	5210	92.34	-	-	80.05	31.64	10.04	29.39	261	174	P	H
	*	5210	84.69	-	-	72.4	31.64	10.04	29.39	261	174	A	H
		5425.28	50.85	-23.15	74	38.5	31.69	10.08	29.42	261	174	P	H
		5444.04	41.08	-12.92	54	28.71	31.69	10.1	29.42	261	174	A	H
		5137.28	59.26	-14.74	74	47.02	31.63	9.99	29.38	230	138	P	V
		5148.72	50.01	-3.99	54	37.76	31.63	10	29.38	230	138	A	V
	*	5210	96.87	-	-	84.58	31.64	10.04	29.39	230	138	P	V
	*	5210	89.12	-	-	76.83	31.64	10.04	29.39	230	138	A	V
		5350.24	50.94	-23.06	74	38.63	31.67	10.05	29.41	230	138	P	V
		5350	41.78	-12.22	54	29.47	31.67	10.05	29.41	230	138	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 HT20 (Band Edge @ 3m)

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)
		5144.84	50.39	-23.61	74	38.14	31.63	10	29.38	233	144	P	H
		5097.24	38.91	-15.09	54	26.7	31.62	9.96	29.37	233	144	A	H
	*	5260	97.28	-	-	84.99	31.65	10.04	29.4	233	144	P	H
	*	5260	89.17	-	-	76.88	31.65	10.04	29.4	233	144	A	H
802.11n		5368.56	50.37	-23.63	74	38.06	31.67	10.05	29.41	233	144	P	H
HT20		5422.56	38.95	-15.05	54	26.61	31.68	10.08	29.42	233	144	A	H
CH 52		5126.48	49.94	-24.06	74	37.71	31.63	9.98	29.38	241	145	P	V
5260MHz		5103.36	39.13	-14.87	54	26.91	31.62	9.97	29.37	241	145	A	V
	*	5260	101.56	-	-	89.27	31.65	10.04	29.4	241	145	P	V
	*	5260	93.55	-	-	81.26	31.65	10.04	29.4	241	145	A	V
		5369.76	51.17	-22.83	74	38.86	31.67	10.05	29.41	241	145	P	V
		5423.76	39.96	-14.04	54	27.62	31.68	10.08	29.42	241	145	A	V
		5128.18	50.13	-23.87	74	37.89	31.63	9.99	29.38	241	144	P	H
		5138.04	38.9	-15.1	54	26.66	31.63	9.99	29.38	241	144	A	H
	*	5300	98.97	-	-	86.66	31.66	10.05	29.4	241	144	P	H
	*	5300	90.57	-	-	78.26	31.66	10.05	29.4	241	144	A	H
802.11n		5350.56	51.41	-22.59	74	39.1	31.67	10.05	29.41	241	144	P	H
HT20		5350.8	39.27	-14.73	54	26.96	31.67	10.05	29.41	241	144	A	H
CH 60		5129.54	49.94	-24.06	74	37.7	31.63	9.99	29.38	215	143	P	V
5300MHz		5144.5	39.12	-14.88	54	26.87	31.63	10	29.38	215	143	A	V
	*	5300	101.37	-	-	89.06	31.66	10.05	29.4	215	143	P	V
	*	5300	93.31	-	-	81	31.66	10.05	29.4	215	143	A	V
		5390.4	51.61	-22.39	74	39.3	31.68	10.05	29.42	215	143	P	V
		5363.28	40.54	-13.46	54	28.23	31.67	10.05	29.41	215	143	A	V

	*	5320	97.7	-	-	85.39	31.66	10.05	29.4	223	141	P	H
	*	5320	89.59	-	-	77.28	31.66	10.05	29.4	223	141	A	H
		5384.64	50.45	-23.55	74	38.14	31.68	10.05	29.42	223	141	P	H
		5350.08	39.7	-14.3	54	27.39	31.67	10.05	29.41	223	141	A	H
802.11n													H
HT20													H
CH 64	*	5320	102.66	-	-	90.35	31.66	10.05	29.4	222	160	P	V
5320MHz	*	5320	94.67	-	-	82.36	31.66	10.05	29.4	222	160	A	V
		5353.44	52.55	-21.45	74	40.24	31.67	10.05	29.41	222	160	P	V
		5350.24	42.01	-11.99	54	29.7	31.67	10.05	29.41	222	160	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. 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)
		10520	47.1	-26.9	74	55.16	39.72	13.24	61.02	100	0	P	H
		15780	42.87	-31.13	74	51.13	37.22	15.1	60.58	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	45.83	-28.17	74	53.89	39.72	13.24	61.02	100	0	P	V
5260MHz		15780	42.48	-31.52	74	50.74	37.22	15.1	60.58	100	0	P	V
													V
													V
		10600	45.88	-28.12	74	53.92	39.8	13.26	61.1	100	0	P	H
		15900	41.94	-32.06	74	50.44	36.88	15.1	60.48	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	46.23	-27.77	74	54.27	39.8	13.26	61.1	100	0	P	V
5300MHz		15900	41.58	-32.42	74	50.08	36.88	15.1	60.48	100	0	P	V
													V
													V
		10640	45.77	-28.23	74	53.82	39.84	13.25	61.14	100	0	P	H
		15960	42.44	-31.56	74	51.06	36.71	15.1	60.43	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	45.87	-28.13	74	53.92	39.84	13.25	61.14	100	0	P	V
5320MHz		15960	42.96	-31.04	74	51.58	36.71	15.1	60.43	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		5127.84	51.08	-22.92	74	38.84	31.63	9.99	29.38	224	139	P	H
		5146.54	41.2	-12.8	54	28.95	31.63	10	29.38	224	139	A	H
	*	5270	94.78	-	-	82.49	31.65	10.04	29.4	224	139	P	H
	*	5270	87.06	-	-	74.77	31.65	10.04	29.4	224	139	A	H
		5380.56	51.03	-22.97	74	38.72	31.68	10.05	29.42	224	139	P	H
		5407.68	41.56	-12.44	54	29.24	31.68	10.06	29.42	224	139	A	H
		5076.16	49.87	-24.13	74	37.67	31.62	9.95	29.37	230	139	P	V
		5020.06	41.32	-12.68	54	29.17	31.6	9.91	29.36	230	139	A	V
	*	5270	99.42	-	-	87.13	31.65	10.04	29.4	230	139	P	V
	*	5270	91.34	-	-	79.05	31.65	10.04	29.4	230	139	A	V
		5424.96	51.66	-22.34	74	39.32	31.68	10.08	29.42	230	139	P	V
		5361.12	42.18	-11.82	54	29.87	31.67	10.05	29.41	230	139	A	V
802.11n HT40 CH 62 5310MHz		5090.44	51.03	-22.97	74	38.82	31.62	9.96	29.37	247	169	P	H
		5149.6	41.33	-12.67	54	29.08	31.63	10	29.38	247	169	A	H
	*	5310	95.71	-	-	83.4	31.66	10.05	29.4	247	169	P	H
	*	5310	89.84	-	-	77.53	31.66	10.05	29.4	247	169	A	H
		5352.72	53.83	-20.17	74	41.52	31.67	10.05	29.41	247	169	P	H
		5350.32	45.74	-8.26	54	33.43	31.67	10.05	29.41	247	169	A	H
		5066.98	51.68	-22.32	74	39.5	31.61	9.94	29.37	216	138	P	V
		5136.68	41.57	-12.43	54	29.33	31.63	9.99	29.38	216	138	A	V
	*	5310	99.95	-	-	87.64	31.66	10.05	29.4	216	138	P	V
	*	5310	92.31	-	-	80	31.66	10.05	29.4	216	138	A	V
		5352.96	58.01	-15.99	74	45.7	31.67	10.05	29.41	216	138	P	V
		5350.32	49.44	-4.56	54	37.13	31.67	10.05	29.41	216	138	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 (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		5089.08	50.66	-23.34	74	38.45	31.62	9.96	29.37	253	164	P	H
		5146.2	41.23	-12.77	54	28.98	31.63	10	29.38	253	164	A	H
	*	5290	91.88	-	-	79.58	31.66	10.04	29.4	253	164	P	H
	*	5290	84.1	-	-	71.8	31.66	10.04	29.4	253	164	A	H
		5359.2	57.22	-16.78	74	44.91	31.67	10.05	29.41	253	164	P	H
		5354.64	48.71	-5.29	54	36.4	31.67	10.05	29.41	253	164	A	H
		5069.7	50.47	-23.53	74	38.29	31.61	9.94	29.37	237	138	P	V
		5149.94	40.93	-13.07	54	28.68	31.63	10	29.38	237	138	A	V
	*	5290	96.67	-	-	84.37	31.66	10.04	29.4	237	138	P	V
	*	5290	88.88	-	-	76.58	31.66	10.04	29.4	237	138	A	V
		5364.72	61.28	-12.72	74	48.97	31.67	10.05	29.41	237	138	P	V
		5351.28	53.46	-0.54	54	41.15	31.67	10.05	29.41	237	138	A	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	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)
		5452.56	51.44	-22.56	74	39.07	31.69	10.11	29.43	175	182	P	H
		5469.68	50.26	-17.94	68.2	37.87	31.69	10.13	29.43	175	182	P	H
		5459.12	39.55	-14.45	54	27.17	31.69	10.12	29.43	175	182	A	H
	*	5500	97.18	-	-	84.74	31.7	10.17	29.43	175	182	P	H
802.11n	*	5500	89.89	-	-	77.45	31.7	10.17	29.43	175	182	A	H
HT20													H
CH 100		5450.48	52.43	-21.57	74	40.06	31.69	10.11	29.43	240	123	P	V
5500MHz		5468.08	51.93	-16.27	68.2	39.54	31.69	10.13	29.43	240	123	P	V
		5459.44	41.18	-12.82	54	28.8	31.69	10.12	29.43	240	123	A	V
	*	5500	101.47	-	-	89.03	31.7	10.17	29.43	240	123	P	V
	*	5500	93.65	-	-	81.21	31.7	10.17	29.43	240	123	A	V
													V
		5420.08	50.65	-23.35	74	38.32	31.68	10.07	29.42	171	174	P	H
		5463.52	49.81	-18.39	68.2	37.42	31.69	10.13	29.43	171	174	P	H
		5423.92	39.6	-14.4	54	27.26	31.68	10.08	29.42	171	174	A	H
	*	5580	98.8	-	-	86.18	31.83	10.27	29.48	171	174	P	H
802.11n	*	5580	89.86	-	-	77.24	31.83	10.27	29.48	171	174	A	H
HT20		5745.785	50.96	-17.24	68.2	38.08	32.09	10.35	29.56	171	174	P	H
CH 116		5385.28	51.6	-22.4	74	39.29	31.68	10.05	29.42	237	120	P	V
5580MHz		5467.36	51.46	-16.74	68.2	39.07	31.69	10.13	29.43	237	120	P	V
		5423.92	40.79	-13.21	54	28.45	31.68	10.08	29.42	237	120	A	V
	*	5580	102.54	-	-	89.92	31.83	10.27	29.48	237	120	P	V
	*	5580	94.05	-	-	81.43	31.83	10.27	29.48	237	120	A	V
		5740.43	50.59	-17.61	68.2	37.72	32.08	10.35	29.56	237	120	P	V

	*	5700	100.23	-	-	87.41	32.02	10.33	29.53	172	183	P	H
	*	5700	91.43	-	-	78.61	32.02	10.33	29.53	172	183	A	H
		5727.2	51.92	-16.28	68.2	39.06	32.06	10.34	29.54	172	183	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	104.88	-	-	92.06	32.02	10.33	29.53	233	151	P	V
5700MHz	*	5700	95.37	-	-	82.55	32.02	10.33	29.53	233	151	A	V
		5727.83	56.2	-12	68.2	43.34	32.06	10.34	29.54	233	151	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. 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)
		11000	47.85	-26.15	74	55.84	40.2	13.31	61.5	100	0	P	H
		16500	43.63	-24.57	68.2	48.6	38.9	15.83	59.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	48.07	-25.93	74	56.06	40.2	13.31	61.5	100	0	P	V
5500MHz		16500	43.41	-24.79	68.2	48.38	38.9	15.83	59.7	100	0	P	V
													V
													V
		11160	47.72	-26.28	74	55.64	40.1	13.45	61.47	100	0	P	H
		16740	45.81	-22.39	68.2	48.95	39.76	16.18	59.08	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	46.51	-27.49	74	54.43	40.1	13.45	61.47	100	0	P	V
5580MHz		16740	46.12	-22.08	68.2	49.26	39.76	16.18	59.08	100	0	P	V
													V
													V
		11400	46.07	-27.93	74	53.88	39.96	13.65	61.42	100	0	P	H
		17100	46.63	-21.57	68.2	46.89	41.08	16.8	58.14	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.85	-27.15	74	54.66	39.96	13.65	61.42	100	0	P	V
5700MHz		17100	46.94	-21.26	68.2	47.2	41.08	16.8	58.14	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n 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)
		5362.96	51.48	-22.52	74	39.17	31.67	10.05	29.41	171	181	P	H
		5469.52	50.52	-17.68	68.2	38.13	31.69	10.13	29.43	171	181	P	H
		5450.8	41.84	-12.16	54	29.47	31.69	10.11	29.43	171	181	A	H
	*	5510	96.72	-	-	84.26	31.72	10.18	29.44	171	181	P	H
802.11n	*	5510	86.74	-	-	74.28	31.72	10.18	29.44	171	181	A	H
HT40		5743.265	50.39	-17.81	68.2	37.51	32.09	10.35	29.56	171	181	P	H
CH 102		5448.88	52.64	-21.36	74	40.26	31.69	10.11	29.42	235	114	P	V
5510MHz		5468.8	53.45	-14.75	68.2	41.06	31.69	10.13	29.43	235	114	P	V
		5447.92	43.22	-10.78	54	30.84	31.69	10.11	29.42	235	114	A	V
	*	5510	98.67	-	-	86.21	31.72	10.18	29.44	235	114	P	V
	*	5510	89.95	-	-	77.49	31.72	10.18	29.44	235	114	A	V
		5753.345	50.73	-17.47	68.2	37.83	32.11	10.35	29.56	235	114	P	V
		5387.92	51.53	-22.47	74	39.22	31.68	10.05	29.42	232	157	P	H
		5464.24	49.71	-18.49	68.2	37.32	31.69	10.13	29.43	232	157	P	H
		5458.24	41.49	-12.51	54	29.11	31.69	10.12	29.43	232	157	A	H
	*	5550	95.76	-	-	83.2	31.78	10.23	29.45	232	157	P	H
802.11n	*	5550	90.5	-	-	77.94	31.78	10.23	29.45	232	157	A	H
HT40		5738.225	50.68	-17.52	68.2	37.81	32.08	10.35	29.56	232	157	P	H
CH 110		5403.04	51.31	-22.69	74	39	31.68	10.05	29.42	237	146	P	V
5550MHz		5464.72	51.77	-16.43	68.2	39.38	31.69	10.13	29.43	237	146	P	V
		5395.84	41.86	-12.14	54	29.55	31.68	10.05	29.42	237	146	A	V
	*	5550	99.24	-	-	86.68	31.78	10.23	29.45	237	146	P	V
	*	5550	91.2	-	-	78.64	31.78	10.23	29.45	237	146	A	V
		5728.46	49.29	-18.91	68.2	36.42	32.07	10.34	29.54	237	146	P	V

		5361.55	50.37	-23.63	74	38.06	31.67	10.05	29.41	231	160	P	H
		5470	50.6	-17.6	68.2	38.21	31.69	10.13	29.43	231	160	P	H
		5422.8	41.15	-12.85	54	28.81	31.68	10.08	29.42	231	160	A	H
	*	5670	98.31	-	-	85.54	31.97	10.32	29.52	231	160	P	H
802.11n	*	5670	93.02	-	-	80.25	31.97	10.32	29.52	231	160	A	H
HT40		5726.5	52.26	-15.94	68.2	39.4	32.06	10.34	29.54	231	160	P	H
CH 134		5444.85	50.61	-23.39	74	38.24	31.69	10.1	29.42	235	129	P	V
5670MHz		5467.6	49.2	-19	68.2	36.81	31.69	10.13	29.43	235	129	P	V
		5433.65	41.86	-12.14	54	29.5	31.69	10.09	29.42	235	129	A	V
	*	5670	100.96	-	-	88.19	31.97	10.32	29.52	235	129	P	V
	*	5670	92.54	-	-	79.77	31.97	10.32	29.52	235	129	A	V
		5734.9	53.03	-15.17	68.2	40.17	32.08	10.34	29.56	235	129	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 (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)
		5442.4	52.73	-21.27	74	40.36	31.69	10.1	29.42	234	158	P	H
		5465.68	51.42	-16.78	68.2	39.03	31.69	10.13	29.43	234	158	P	H
		5459.68	42.99	-11.01	54	30.61	31.69	10.12	29.43	234	158	A	H
	*	5530	92.76	-	-	80.25	31.75	10.21	29.45	234	158	P	H
802.11ac	*	5530	84.33	-	-	71.82	31.75	10.21	29.45	234	158	A	H
VHT80		5763.74	50.64	-17.56	68.2	37.73	32.12	10.36	29.57	234	158	P	H
CH 106		5445.52	54.56	-19.44	74	42.19	31.69	10.1	29.42	229	122	P	V
5530MHz		5463.28	54.71	-13.49	68.2	42.32	31.69	10.13	29.43	229	122	P	V
		5458.72	45.75	-8.25	54	33.37	31.69	10.12	29.43	229	122	A	V
	*	5530	96.32	-	-	83.81	31.75	10.21	29.45	229	122	P	V
	*	5530	87.75	-	-	75.24	31.75	10.21	29.45	229	122	A	V
		5748.62	50.51	-17.69	68.2	37.62	32.1	10.35	29.56	229	122	P	V
		5455.12	50.44	-23.56	74	38.06	31.69	10.12	29.43	231	154	P	H
		5460.02	49.61	-18.59	68.2	37.23	31.69	10.12	29.43	231	154	P	H
		5437.36	41.51	-12.49	54	29.15	31.69	10.09	29.42	231	154	A	H
	*	5610	93.1	-	-	80.42	31.88	10.29	29.49	231	154	P	H
802.11ac	*	5610	85.16	-	-	72.48	31.88	10.29	29.49	231	154	A	H
VHT80		5745.47	51.49	-16.71	68.2	38.61	32.09	10.35	29.56	231	154	P	H
CH 122		5446.72	50.5	-23.5	74	38.12	31.69	10.11	29.42	235	130	P	V
5610MHz		5466.4	50.53	-17.67	68.2	38.14	31.69	10.13	29.43	235	130	P	V
		5453.68	42.09	-11.91	54	29.72	31.69	10.11	29.43	235	130	A	V
	*	5610	96.36	-	-	83.68	31.88	10.29	29.49	235	130	P	V
	*	5610	90.15	-	-	77.47	31.88	10.29	29.49	235	130	A	V
		5756.495	51.42	-16.78	68.2	38.53	32.11	10.35	29.57	235	130	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 (Band Edge @ 3m)

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)
	*	5720	100.33	-	-	87.48	32.05	10.34	29.54	228	161	P	H
	*	5720	92.4	-	-	79.55	32.05	10.34	29.54	228	161	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	103.1	-	-	90.25	32.05	10.34	29.54	224	128	P	V
5720MHz	*	5720	95.3	-	-	82.45	32.05	10.34	29.54	224	128	A	V
													V
													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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	45.87	-28.13	74	53.65	39.94	13.69	61.41	100	0	P	H
		17160	48.22	-25.78	74	47.95	41.31	16.94	57.98	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	46.58	-27.42	74	54.36	39.94	13.69	61.41	100	0	P	V
5720MHz		17160	47.43	-26.57	74	47.16	41.31	16.94	57.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 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)
	*	5710	97.95	-	-	85.12	32.04	10.33	29.54	253	148	P	H
	*	5710	90.78	-	-	77.95	32.04	10.33	29.54	253	148	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	100.26	-	-	87.43	32.04	10.33	29.54	241	126	P	V
5710MHz	*	5710	95.17	-	-	82.34	32.04	10.33	29.54	241	126	A	V
													V
													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)
	*	5690	95.47	-	-	82.67	32	10.33	29.53	247	162	P	H
	*	5690	87.23	-	-	74.43	32	10.33	29.53	247	162	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	97.59	-	-	84.79	32	10.33	29.53	232	128	P	V
5690MHz	*	5690	90.21	-	-	77.41	32	10.33	29.53	232	128	A	V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

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)
802.11ac VHT80 LF		79.95	27.61	-12.39	40	45.04	13.78	1.22	32.44			P	H
		168.51	34.03	-9.47	43.5	48.37	16.2	1.78	32.42			P	H
		262.47	33.11	-12.89	46	43.58	19.68	2.21	32.44			P	H
		311.9	39.88	-6.12	46	49.77	20.08	2.41	32.47	100	0	P	H
		503.7	33.69	-12.31	46	38.78	24.42	3.06	32.62			P	H
		792.1	35.84	-10.16	46	36.26	28.04	3.82	32.44			P	H
													H
													H
													H
													H
													H
													H
		30	27.65	-12.35	40	33.14	26.2	0.74	32.46			P	V
		160.14	33.36	-10.14	43.5	46.85	17.1	1.73	32.42			P	V
		167.97	34.44	-9.06	43.5	48.69	16.3	1.77	32.42			P	V
		311.9	32.35	-13.65	46	42.24	20.08	2.41	32.47			P	V
		456.1	37.34	-8.66	46	43.55	23.43	2.9	32.58			P	V
		503.7	39.77	-6.23	46	44.86	24.42	3.06	32.62	100	0	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5147.94	51.51	-22.49	74	39.26	31.63	10	29.38	201	170	P	H
		5149.24	42.09	-11.91	54	29.84	31.63	10	29.38	201	170	A	H
	*	5180	102.86	-	-	90.59	31.64	10.02	29.39	201	170	P	H
	*	5180	95.69	-	-	83.42	31.64	10.02	29.39	201	170	A	H
802.11n													H
HT20													H
CH 36		5141.96	51.36	-22.64	74	39.11	31.63	10	29.38	100	56	P	V
5180MHz		5145.86	40.63	-13.37	54	28.38	31.63	10	29.38	100	56	A	V
	*	5180	100	-	-	87.73	31.64	10.02	29.39	100	56	P	V
	*	5180	92.69	-	-	80.42	31.64	10.02	29.39	100	56	A	V
													V
													V
		5106.86	51.39	-22.61	74	39.17	31.62	9.97	29.37	199	178	P	H
		5144.56	41.16	-12.84	54	28.91	31.63	10	29.38	199	178	A	H
	*	5220	103.36	-	-	91.07	31.64	10.04	29.39	199	178	P	H
	*	5220	95.24	-	-	82.95	31.64	10.04	29.39	199	178	A	H
802.11n		5457.48	50.7	-23.3	74	38.32	31.69	10.12	29.43	199	178	P	H
HT20		5458.6	41.02	-12.98	54	28.64	31.69	10.12	29.43	199	178	A	H
CH 44		5076.7	52.77	-21.23	74	40.57	31.62	9.95	29.37	103	115	P	V
5220MHz		5067.08	41.32	-12.68	54	29.14	31.61	9.94	29.37	103	115	A	V
	*	5220	101.28	-	-	88.99	31.64	10.04	29.39	103	115	P	V
	*	5220	93.12	-	-	80.83	31.64	10.04	29.39	103	115	A	V
		5444.6	50.84	-23.16	74	38.47	31.69	10.1	29.42	103	115	P	V
		5455.8	41.1	-12.9	54	28.72	31.69	10.12	29.43	103	115	A	V

		5114.66	51.08	-22.92	74	38.85	31.62	9.98	29.37	199	170	P	H
		5135.46	40.92	-13.08	54	28.68	31.63	9.99	29.38	199	170	A	H
	*	5240	104.72	-	-	92.42	31.65	10.04	29.39	199	170	P	H
	*	5240	97.04	-	-	84.74	31.65	10.04	29.39	199	170	A	H
802.11n		5451.32	50.58	-23.42	74	38.21	31.69	10.11	29.43	199	170	P	H
HT20		5400.92	40.84	-13.16	54	28.53	31.68	10.05	29.42	199	170	A	H
CH 48		5126.36	51.96	-22.04	74	39.73	31.63	9.98	29.38	200	147	P	V
5240MHz		5125.58	40.32	-13.68	54	28.09	31.63	9.98	29.38	200	147	A	V
	*	5240	102.62	-	-	90.32	31.65	10.04	29.39	200	147	P	V
	*	5240	94.93	-	-	82.63	31.65	10.04	29.39	200	147	A	V
		5394.2	50.85	-23.15	74	38.54	31.68	10.05	29.42	200	147	P	V
		5400.36	40.35	-13.65	54	28.04	31.68	10.05	29.42	200	147	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.24	-27.76	74	54.34	39.48	13.22	60.8	100	0	P	H
		15540	43.4	-30.6	74	51.19	37.89	15.09	60.77	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.26	-27.74	74	54.36	39.48	13.22	60.8	100	0	P	V
5180MHz		15540	43.73	-30.27	74	51.52	37.89	15.09	60.77	100	0	P	V
													V
													V
		10440	45.79	-28.21	74	53.88	39.6	13.23	60.92	100	0	P	H
		15660	43.91	-30.09	74	51.94	37.55	15.09	60.67	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	45.53	-28.47	74	53.62	39.6	13.23	60.92	100	0	P	V
5220MHz		15660	42.86	-31.14	74	50.89	37.55	15.09	60.67	100	0	P	V
													V
													V
		10480	46.12	-27.88	74	54.18	39.67	13.24	60.97	100	0	P	H
		15720	43.43	-30.57	74	51.58	37.38	15.09	60.62	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	45.63	-28.37	74	53.69	39.67	13.24	60.97	100	0	P	V
5240MHz		15720	43.56	-30.44	74	51.71	37.38	15.09	60.62	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5118.56	51.32	-22.68	74	39.1	31.62	9.98	29.38	186	179	P	H
		5149.24	43.17	-10.83	54	30.92	31.63	10	29.38	186	179	A	H
	*	5190	99.98	-	-	87.7	31.64	10.03	29.39	186	179	P	H
	*	5190	92.51	-	-	80.23	31.64	10.03	29.39	186	179	A	H
802.11n		5356.68	50.11	-23.89	74	37.8	31.67	10.05	29.41	186	179	P	H
HT40		5430.88	40.1	-13.9	54	27.74	31.69	10.09	29.42	186	179	A	H
CH 38		5150	52.12	-21.88	74	39.87	31.63	10	29.38	262	137	P	V
5190MHz		5149.5	42.3	-11.7	54	30.05	31.63	10	29.38	262	137	A	V
	*	5190	100.23	-	-	87.95	31.64	10.03	29.39	262	137	P	V
	*	5190	92.26	-	-	79.98	31.64	10.03	29.39	262	137	A	V
		5418.28	51.86	-22.14	74	39.53	31.68	10.07	29.42	262	137	P	V
		5426.68	39.99	-14.01	54	27.64	31.69	10.08	29.42	262	137	A	V
		5109.72	50.61	-23.39	74	38.39	31.62	9.97	29.37	186	179	P	H
		5146.12	40.47	-13.53	54	28.22	31.63	10	29.38	186	179	A	H
	*	5230	100.04	-	-	87.74	31.65	10.04	29.39	186	179	P	H
	*	5230	92.37	-	-	80.07	31.65	10.04	29.39	186	179	A	H
802.11n		5362.84	50.65	-23.35	74	38.34	31.67	10.05	29.41	186	179	P	H
HT40		5359.76	40.55	-13.45	54	28.24	31.67	10.05	29.41	186	179	A	H
CH 46		5093.08	50.99	-23.01	74	38.78	31.62	9.96	29.37	272	140	P	V
5230MHz		5128.44	40.49	-13.51	54	28.25	31.63	9.99	29.38	272	140	A	V
	*	5230	99.73	-	-	87.43	31.65	10.04	29.39	272	140	P	V
	*	5230	92.18	-	-	79.88	31.65	10.04	29.39	272	140	A	V
		5446.28	50.31	-23.69	74	37.93	31.69	10.11	29.42	272	140	P	V
		5383.84	40.12	-13.88	54	27.81	31.68	10.05	29.42	272	140	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5140.4	54.82	-19.18	74	42.57	31.63	10	29.38	100	179	P	H
		5144.82	46.21	-7.79	54	33.96	31.63	10	29.38	100	179	A	H
	*	5210	97.69	-	-	85.4	31.64	10.04	29.39	100	179	P	H
	*	5210	89.75	-	-	77.46	31.64	10.04	29.39	100	179	A	H
		5442.92	50.68	-23.32	74	38.31	31.69	10.1	29.42	100	179	P	H
		5441.24	41.5	-12.5	54	29.13	31.69	10.1	29.42	100	179	A	H
		5148.46	55.56	-18.44	74	43.31	31.63	10	29.38	259	143	P	V
		5148.46	47.79	-6.21	54	35.54	31.63	10	29.38	259	143	A	V
	*	5210	96.09	-	-	83.8	31.64	10.04	29.39	259	143	P	V
	*	5210	88.06	-	-	75.77	31.64	10.04	29.39	259	143	A	V
		5395.88	50.57	-23.43	74	38.26	31.68	10.05	29.42	259	143	P	V
		5370.96	41.41	-12.59	54	29.1	31.67	10.05	29.41	259	143	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 HT20 (Band Edge @ 3m)

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5127.16	50.43	-23.57	74	38.19	31.63	9.99	29.38	183	183	P	H
		5107.1	40.22	-13.78	54	28	31.62	9.97	29.37	183	183	A	H
	*	5260	104.03	-	-	91.74	31.65	10.04	29.4	183	183	P	H
	*	5260	96.1	-	-	83.81	31.65	10.04	29.4	183	183	A	H
802.11n		5395.68	50.32	-23.68	74	38.01	31.68	10.05	29.42	183	183	P	H
HT20		5416.56	40.37	-13.63	54	28.04	31.68	10.07	29.42	183	183	A	H
CH 52		5133.28	51.49	-22.51	74	39.25	31.63	9.99	29.38	200	146	P	V
5260MHz		5130.9	40.22	-13.78	54	27.98	31.63	9.99	29.38	200	146	A	V
	*	5260	101.98	-	-	89.69	31.65	10.04	29.4	200	146	P	V
	*	5260	94.27	-	-	81.98	31.65	10.04	29.4	200	146	A	V
		5411.28	50.67	-23.33	74	38.35	31.68	10.06	29.42	200	146	P	V
		5421.6	40.46	-13.54	54	28.12	31.68	10.08	29.42	200	146	A	V
		5132.6	50.74	-23.26	74	38.5	31.63	9.99	29.38	179	184	P	H
		5141.78	40.39	-13.61	54	28.14	31.63	10	29.38	179	184	A	H
	*	5300	104.29	-	-	91.98	31.66	10.05	29.4	179	184	P	H
	*	5300	96.49	-	-	84.18	31.66	10.05	29.4	179	184	A	H
802.11n		5368.56	51.4	-22.6	74	39.09	31.67	10.05	29.41	179	184	P	H
HT20		5364.24	41.22	-12.78	54	28.91	31.67	10.05	29.41	179	184	A	H
CH 60		5002.04	50.59	-23.41	74	38.46	31.6	9.89	29.36	196	146	P	V
5300MHz		5138.04	40.26	-13.74	54	28.02	31.63	9.99	29.38	196	146	A	V
	*	5300	102.77	-	-	90.46	31.66	10.05	29.4	196	146	P	V
	*	5300	95.12	-	-	82.81	31.66	10.05	29.4	196	146	A	V
		5436.72	51.49	-22.51	74	39.13	31.69	10.09	29.42	196	146	P	V
		5362.8	40.92	-13.08	54	28.61	31.67	10.05	29.41	196	146	A	V

	*	5320	104.82	-	-	92.51	31.66	10.05	29.4	183	185	P	H
	*	5320	97.04	-	-	84.73	31.66	10.05	29.4	183	185	A	H
		5392.8	51.62	-22.38	74	39.31	31.68	10.05	29.42	183	185	P	H
		5350.88	41.98	-12.02	54	29.67	31.67	10.05	29.41	183	185	A	H
802.11n													H
HT20													H
CH 64	*	5320	103.91	-	-	91.6	31.66	10.05	29.4	208	146	P	V
5320MHz	*	5320	95.18	-	-	82.87	31.66	10.05	29.4	208	146	A	V
		5351.2	51.36	-22.64	74	39.05	31.67	10.05	29.41	208	146	P	V
		5350.24	41.57	-12.43	54	29.26	31.67	10.05	29.41	208	146	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	45.21	-28.79	74	53.27	39.72	13.24	61.02	100	0	P	H
		15780	43.05	-30.95	74	51.31	37.22	15.1	60.58	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46.02	-27.98	74	54.08	39.72	13.24	61.02	100	0	P	V
5260MHz		15780	42.75	-31.25	74	51.01	37.22	15.1	60.58	100	0	P	V
													V
													V
		10600	45.5	-28.5	74	53.54	39.8	13.26	61.1	100	0	P	H
		15900	41.69	-32.31	74	50.19	36.88	15.1	60.48	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	45.81	-28.19	74	53.85	39.8	13.26	61.1	100	0	P	V
5300MHz		15900	42.16	-31.84	74	50.66	36.88	15.1	60.48	100	0	P	V
													V
													V
		10640	45.93	-28.07	74	53.98	39.84	13.25	61.14	100	0	P	H
		15960	42.66	-31.34	74	51.28	36.71	15.1	60.43	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	45.83	-28.17	74	53.88	39.84	13.25	61.14	100	0	P	V
5320MHz		15960	42.44	-31.56	74	51.06	36.71	15.1	60.43	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5020.74	50.94	-23.06	74	38.79	31.6	9.91	29.36	185	182	P	H
		5145.18	41.04	-12.96	54	28.79	31.63	10	29.38	185	182	A	H
	*	5270	99.86	-	-	87.57	31.65	10.04	29.4	185	182	P	H
	*	5270	91.89	-	-	79.6	31.65	10.04	29.4	185	182	A	H
		5355.6	51.21	-22.79	74	38.9	31.67	10.05	29.41	185	182	P	H
		5356.8	41.6	-12.4	54	29.29	31.67	10.05	29.41	185	182	A	H
		5083.3	49.33	-24.67	74	37.13	31.62	9.95	29.37	236	146	P	V
		5090.78	41.61	-12.39	54	29.4	31.62	9.96	29.37	236	146	A	V
	*	5270	94.82	-	-	82.53	31.65	10.04	29.4	236	146	P	V
	*	5270	91.15	-	-	78.86	31.65	10.04	29.4	236	146	A	V
		5373.36	50.63	-23.37	74	38.33	31.67	10.05	29.42	236	146	P	V
		5352.48	41.55	-12.45	54	29.24	31.67	10.05	29.41	236	146	A	V
802.11n HT40 CH 62 5310MHz		5141.1	51.38	-22.62	74	39.13	31.63	10	29.38	180	183	P	H
		5130.22	41.14	-12.86	54	28.9	31.63	9.99	29.38	180	183	A	H
	*	5310	100.2	-	-	87.89	31.66	10.05	29.4	180	183	P	H
	*	5310	92.44	-	-	80.13	31.66	10.05	29.4	180	183	A	H
		5452.8	51.26	-22.74	74	38.89	31.69	10.11	29.43	180	183	P	H
		5350.08	43.36	-10.64	54	31.05	31.67	10.05	29.41	180	183	A	H
		5079.9	51.55	-22.45	74	39.35	31.62	9.95	29.37	232	146	P	V
		5118.32	40.94	-13.06	54	28.72	31.62	9.98	29.38	232	146	A	V
	*	5310	99.16	-	-	86.85	31.66	10.05	29.4	232	146	P	V
	*	5310	90.97	-	-	78.66	31.66	10.05	29.4	232	146	A	V
		5361.12	51.35	-22.65	74	39.04	31.67	10.05	29.41	232	146	P	V
		5351.04	43.6	-10.4	54	31.29	31.67	10.05	29.41	232	146	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5131.24	51.46	-22.54	74	39.22	31.63	9.99	29.38	100	184	P	H
		5148.92	41.46	-12.54	54	29.21	31.63	10	29.38	100	184	A	H
	*	5290	97.53	-	-	85.23	31.66	10.04	29.4	100	184	P	H
	*	5290	89.56	-	-	77.26	31.66	10.04	29.4	100	184	A	H
		5352.72	53.67	-20.33	74	41.36	31.67	10.05	29.41	100	184	P	H
		5354.4	44.84	-9.16	54	32.53	31.67	10.05	29.41	100	184	A	H
		5063.92	51.13	-22.87	74	38.95	31.61	9.94	29.37	249	141	P	V
		5144.16	41.11	-12.89	54	28.86	31.63	10	29.38	249	141	A	V
	*	5290	96.96	-	-	84.66	31.66	10.04	29.4	249	141	P	V
	*	5290	87.7	-	-	75.4	31.66	10.04	29.4	249	141	A	V
		5351.04	54.27	-19.73	74	41.96	31.67	10.05	29.41	249	141	P	V
		5351.76	47.54	-6.46	54	35.23	31.67	10.05	29.41	249	141	A	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5439.44	52.53	-21.47	74	40.16	31.69	10.1	29.42	239	182	P	H
		5462.32	51.08	-17.12	68.2	38.7	31.69	10.12	29.43	239	182	P	H
		5458.48	41.1	-12.9	54	28.72	31.69	10.12	29.43	239	182	A	H
	*	5500	101.92	-	-	89.48	31.7	10.17	29.43	239	182	P	H
802.11n	*	5500	94.3	-	-	81.86	31.7	10.17	29.43	239	182	A	H
HT20													H
CH 100		5458.48	51.03	-22.97	74	38.65	31.69	10.12	29.43	100	188	P	V
5500MHz		5469.52	51.56	-16.64	68.2	39.17	31.69	10.13	29.43	100	188	P	V
		5457.2	40.86	-13.14	54	28.48	31.69	10.12	29.43	100	188	A	V
	*	5500	101.99	-	-	89.55	31.7	10.17	29.43	100	188	P	V
	*	5500	94.31	-	-	81.87	31.7	10.17	29.43	100	188	A	V
													V
		5426.08	50.98	-23.02	74	38.63	31.69	10.08	29.42	246	181	P	H
		5468.56	50.8	-17.4	68.2	38.41	31.69	10.13	29.43	246	181	P	H
		5416.96	40.7	-13.3	54	28.37	31.68	10.07	29.42	246	181	A	H
	*	5580	101.46	-	-	88.84	31.83	10.27	29.48	246	181	P	H
802.11n	*	5580	93.46	-	-	80.84	31.83	10.27	29.48	246	181	A	H
HT20		5748.62	50.44	-17.76	68.2	37.55	32.1	10.35	29.56	246	181	P	H
CH 116		5399.44	50.8	-23.2	74	38.49	31.68	10.05	29.42	105	188	P	V
5580MHz		5468.56	49.42	-18.78	68.2	37.03	31.69	10.13	29.43	105	188	P	V
		5425.36	40.55	-13.45	54	28.2	31.69	10.08	29.42	105	188	A	V
	*	5580	103.86	-	-	91.24	31.83	10.27	29.48	105	188	P	V
	*	5580	95.29	-	-	82.67	31.83	10.27	29.48	105	188	A	V
		5754.605	50.34	-17.86	68.2	37.44	32.11	10.35	29.56	105	188	P	V

	*	5700	104.21	-	-	91.39	32.02	10.33	29.53	246	180	P	H
	*	5700	95.79	-	-	82.97	32.02	10.33	29.53	246	180	A	H
		5741.375	54.22	-13.98	68.2	41.34	32.09	10.35	29.56	246	180	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	101.98	-	-	89.16	32.02	10.33	29.53	100	172	P	V
5700MHz	*	5700	94.3	-	-	81.48	32.02	10.33	29.53	100	172	A	V
		5730.35	51.38	-16.82	68.2	38.53	32.07	10.34	29.56	100	172	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. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.24	-27.76	74	54.23	40.2	13.31	61.5	100	0	P	H
		16500	45.24	-22.96	68.2	50.21	38.9	15.83	59.7	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	46.56	-27.44	74	54.55	40.2	13.31	61.5	100	0	P	V
5500MHz		16500	45.45	-22.75	68.2	50.42	38.9	15.83	59.7	100	0	P	V
													V
													V
		11160	46.13	-27.87	74	54.05	40.1	13.45	61.47	100	0	P	H
		16740	46.17	-22.03	68.2	49.31	39.76	16.18	59.08	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	46.07	-27.93	74	53.99	40.1	13.45	61.47	100	0	P	V
5580MHz		16740	45.81	-22.39	68.2	48.95	39.76	16.18	59.08	100	0	P	V
													V
													V
		11400	46.18	-27.82	74	53.99	39.96	13.65	61.42	100	0	P	H
		17100	47.75	-20.45	68.2	48.01	41.08	16.8	58.14	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.35	-27.65	74	54.16	39.96	13.65	61.42	100	0	P	V
5700MHz		17100	48.56	-19.64	68.2	48.82	41.08	16.8	58.14	100	0	P	V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5446.96	51.26	-22.74	74	38.88	31.69	10.11	29.42	238	183	P	H
		5468.56	51.53	-16.67	68.2	39.14	31.69	10.13	29.43	238	183	P	H
		5449.12	41.99	-12.01	54	29.61	31.69	10.11	29.42	238	183	A	H
	*	5510	97.97	-	-	85.51	31.72	10.18	29.44	238	183	P	H
802.11n	*	5510	90.3	-	-	77.84	31.72	10.18	29.44	238	183	A	H
HT40		5735.075	51.03	-17.17	68.2	38.17	32.08	10.34	29.56	238	183	P	H
CH 102		5369.44	49.92	-24.08	74	37.61	31.67	10.05	29.41	104	187	P	V
5510MHz		5468.32	52.47	-15.73	68.2	40.08	31.69	10.13	29.43	104	187	P	V
		5452	41.63	-12.37	54	29.26	31.69	10.11	29.43	104	187	A	V
	*	5510	97.5	-	-	85.04	31.72	10.18	29.44	104	187	P	V
	*	5510	89.67	-	-	77.21	31.72	10.18	29.44	104	187	A	V
		5740.745	51.79	-16.41	68.2	38.91	32.09	10.35	29.56	104	187	P	V
		5401.36	50.56	-23.44	74	38.25	31.68	10.05	29.42	250	182	P	H
		5468.32	50.84	-17.36	68.2	38.45	31.69	10.13	29.43	250	182	P	H
		5457.04	41.93	-12.07	54	29.55	31.69	10.12	29.43	250	182	A	H
	*	5550	96.87	-	-	84.31	31.78	10.23	29.45	250	182	P	H
802.11n	*	5550	89.58	-	-	77.02	31.78	10.23	29.45	250	182	A	H
HT40		5738.855	50.62	-17.58	68.2	37.75	32.08	10.35	29.56	250	182	P	H
CH 110		5409.04	51.13	-22.87	74	38.81	31.68	10.06	29.42	267	175	P	V
5550MHz		5462.8	49.89	-18.31	68.2	37.5	31.69	10.13	29.43	267	175	P	V
		5431.36	41.29	-12.71	54	28.93	31.69	10.09	29.42	267	175	A	V
	*	5550	98.89	-	-	86.33	31.78	10.23	29.45	267	175	P	V
	*	5550	91.52	-	-	78.96	31.78	10.23	29.45	267	175	A	V
		5744.525	50.29	-17.91	68.2	37.41	32.09	10.35	29.56	267	175	P	V

		5357	50.3	-23.7	74	37.99	31.67	10.05	29.41	100	209	P	H
		5460.6	48.67	-19.53	68.2	36.29	31.69	10.12	29.43	100	209	P	H
		5445.2	41.12	-12.88	54	28.75	31.69	10.1	29.42	100	209	A	H
	*	5670	100.89	-	-	88.12	31.97	10.32	29.52	100	209	P	H
802.11n	*	5670	92.9	-	-	80.13	31.97	10.32	29.52	100	209	A	H
HT40		5729.3	51.27	-16.93	68.2	38.4	32.07	10.34	29.54	100	209	P	H
CH 134		5427.7	49.64	-24.36	74	37.29	31.69	10.08	29.42	269	177	P	V
5670MHz		5461.3	48.37	-19.83	68.2	35.99	31.69	10.12	29.43	269	177	P	V
		5425.25	41.18	-12.82	54	28.83	31.69	10.08	29.42	269	177	A	V
	*	5670	100.52	-	-	87.75	31.97	10.32	29.52	269	177	P	V
	*	5670	92.61	-	-	79.84	31.97	10.32	29.52	269	177	A	V
		5761.5	53.02	-15.18	68.2	40.12	32.12	10.35	29.57	269	177	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5452	53.51	-20.49	74	41.14	31.69	10.11	29.43	245	183	P	H
		5469.04	52.78	-15.42	68.2	40.39	31.69	10.13	29.43	245	183	P	H
		5456.8	43.87	-10.13	54	31.49	31.69	10.12	29.43	245	183	A	H
	*	5530	95.02	-	-	82.51	31.75	10.21	29.45	245	183	P	H
802.11ac	*	5530	86.72	-	-	74.21	31.75	10.21	29.45	245	183	A	H
VHT80		5733.815	50.55	-17.65	68.2	37.7	32.07	10.34	29.56	245	183	P	H
CH 106		5459.2	51.36	-22.64	74	38.98	31.69	10.12	29.43	127	190	P	V
5530MHz		5466.16	53.1	-15.1	68.2	40.71	31.69	10.13	29.43	127	190	P	V
		5459.68	43.71	-10.29	54	31.33	31.69	10.12	29.43	127	190	A	V
	*	5530	95.85	-	-	83.34	31.75	10.21	29.45	127	190	P	V
	*	5530	87.23	-	-	74.72	31.75	10.21	29.45	127	190	A	V
		5742.32	50.98	-17.22	68.2	38.1	32.09	10.35	29.56	127	190	P	V
		5438.56	51.16	-22.84	74	38.79	31.69	10.1	29.42	258	182	P	H
		5464	49.88	-18.32	68.2	37.49	31.69	10.13	29.43	258	182	P	H
		5456.32	41.66	-12.34	54	29.28	31.69	10.12	29.43	258	182	A	H
	*	5610	96.4	-	-	83.72	31.88	10.29	29.49	258	182	P	H
802.11ac	*	5610	87.78	-	-	75.1	31.88	10.29	29.49	258	182	A	H
VHT80		5729.09	51.63	-16.57	68.2	38.76	32.07	10.34	29.54	258	182	P	H
CH 122		5382.88	50.7	-23.3	74	38.39	31.68	10.05	29.42	100	189	P	V
5610MHz		5461.12	49.39	-18.81	68.2	37.01	31.69	10.12	29.43	100	189	P	V
		5358.88	41.17	-12.83	54	28.86	31.67	10.05	29.41	100	189	A	V
	*	5610	98.4	-	-	85.72	31.88	10.29	29.49	100	189	P	V
	*	5610	89.82	-	-	77.14	31.88	10.29	29.49	100	189	A	V
		5726.255	50.1	-18.1	68.2	37.24	32.06	10.34	29.54	100	189	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 (Band Edge @ 3m)

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5720	102.62	-	-	89.77	32.05	10.34	29.54	233	196	P	H
	*	5720	95.39	-	-	82.54	32.05	10.34	29.54	233	196	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	101.6	-	-	88.75	32.05	10.34	29.54	100	187	P	V
5720MHz	*	5720	94.27	-	-	81.42	32.05	10.34	29.54	100	187	A	V
													V
													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 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.56	-27.44	74	54.34	39.94	13.69	61.41	100	0	P	H
		17160	49.41	-18.79	68.2	49.14	41.31	16.94	57.98	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	46.99	-27.01	74	54.77	39.94	13.69	61.41	100	0	P	V
5720MHz		17160	49.23	-18.97	68.2	48.96	41.31	16.94	57.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5710	101.86	-	-	89.03	32.04	10.33	29.54	233	194	P	H
	*	5710	92.07	-	-	79.24	32.04	10.33	29.54	233	194	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	99.32	-	-	86.49	32.04	10.33	29.54	100	172	P	V
5710MHz	*	5710	91.65	-	-	78.82	32.04	10.33	29.54	100	172	A	V
													V
													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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5690	96.05	-	-	83.25	32	10.33	29.53	225	195	P	H
	*	5690	89.22	-	-	76.42	32	10.33	29.53	225	195	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	96.37	-	-	83.57	32	10.33	29.53	100	188	P	V
5690MHz	*	5690	89.54	-	-	76.74	32	10.33	29.53	100	188	A	V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		77.52	27.08	-12.92	40	44.76	13.55	1.2	32.44			P	H
		171.75	33.43	-10.07	43.5	48	15.97	1.79	32.42			P	H
		264.09	33.46	-12.54	46	43.96	19.64	2.22	32.44			P	H
		311.9	39.58	-6.42	46	49.47	20.08	2.41	32.47	100	0	P	H
		503.7	32.83	-13.17	46	37.92	24.42	3.06	32.62			P	H
		743.8	37.01	-8.99	46	38.16	27.57	3.71	32.56			P	H
													H
													H
													H
													H
													H
													H
		30	28.24	-11.76	40	33.73	26.2	0.74	32.46			P	V
		167.16	34.51	-8.99	43.5	48.66	16.4	1.77	32.42			P	V
		264.09	26.87	-19.13	46	37.37	19.64	2.22	32.44			P	V
		311.9	31.96	-14.04	46	41.85	20.08	2.41	32.47			P	V
		456.1	39.06	-6.94	46	45.27	23.43	2.9	32.58			P	V
		503.7	39.48	-6.52	46	44.57	24.42	3.06	32.62	100	0	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 Plots

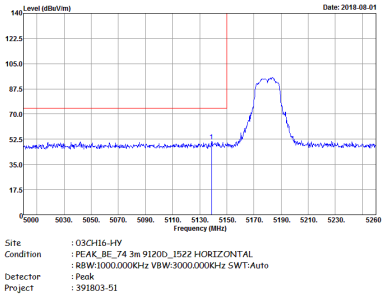
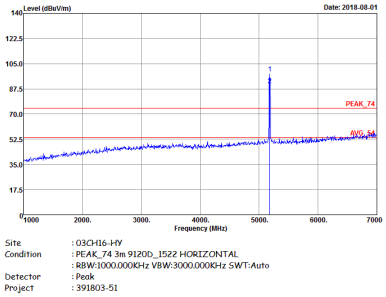
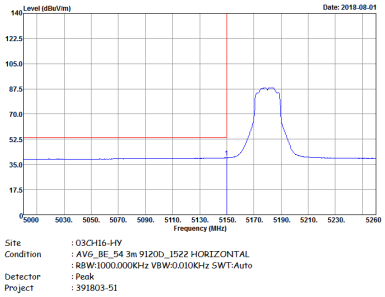
Test Engineer :	Watt Tseng, JC Liang, and Andy Yang	**Temperature :**	22~26°C
		Relative Humidity :	50~54%

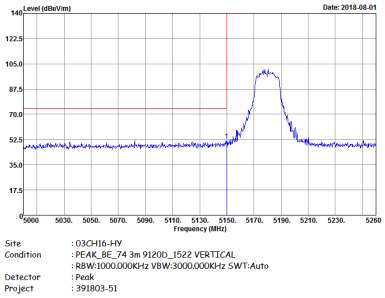
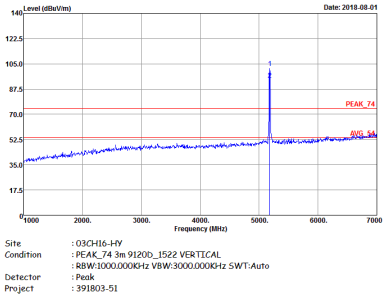
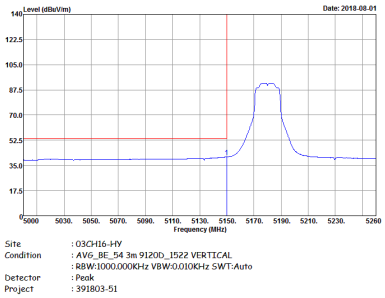
Note symbol

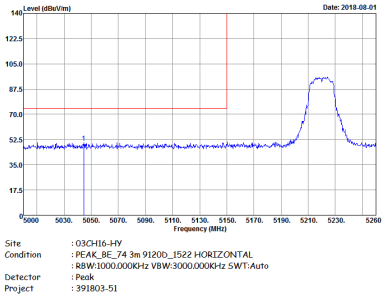
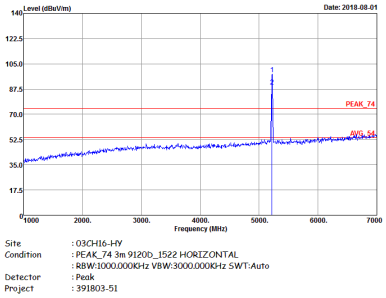
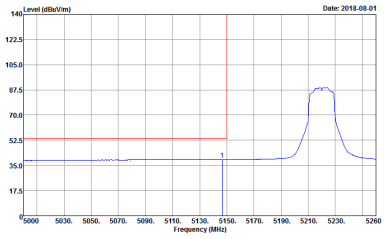
-L	**Low channel location**
-R	**High channel location**

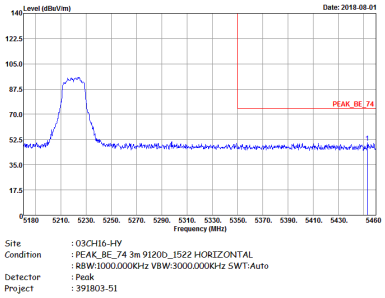
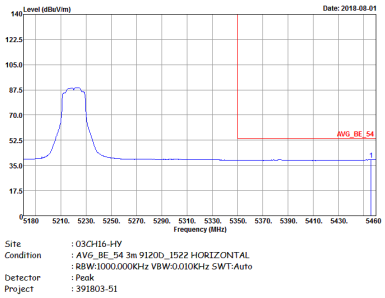
Band 1 - 5150~5250MHz

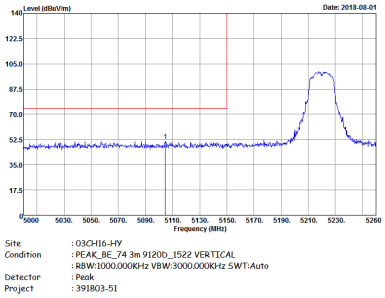
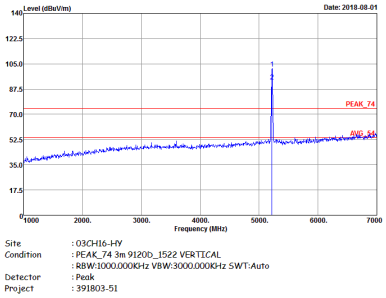
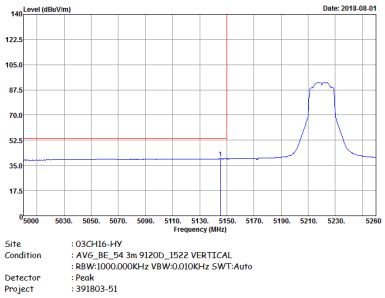
WIFI 802.11n HT20 (Band Edge @ 3m)

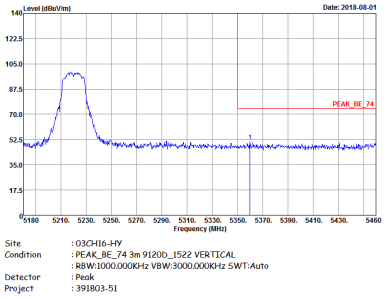
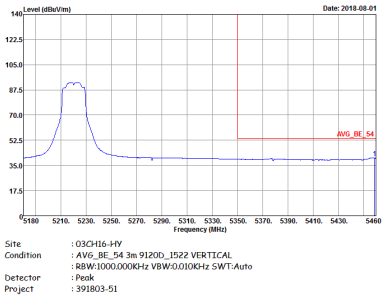
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

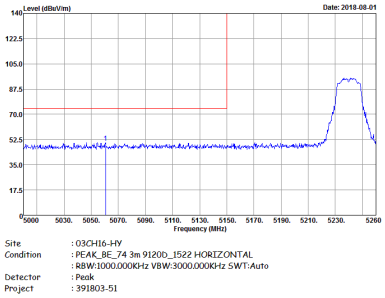
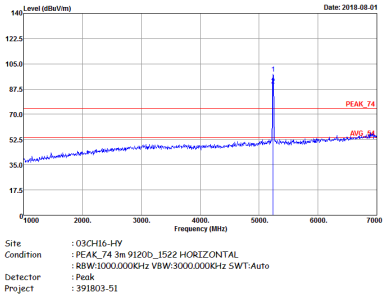
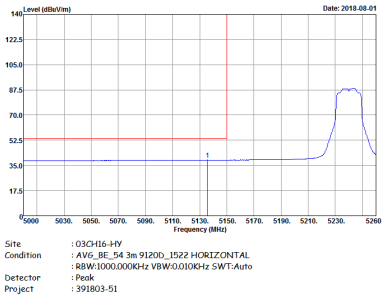
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

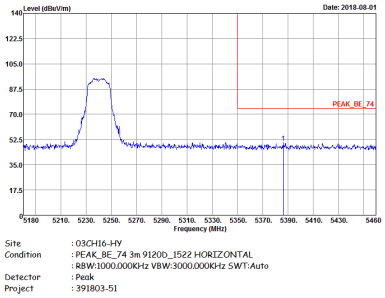
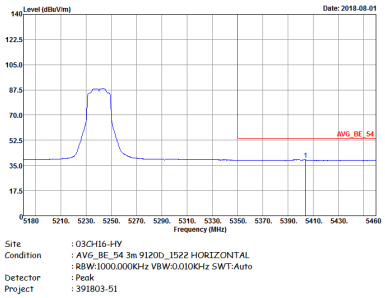
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51	Left blank

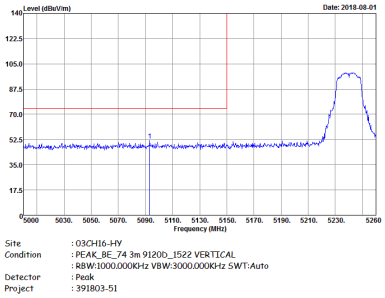
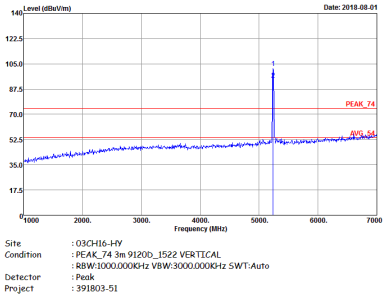
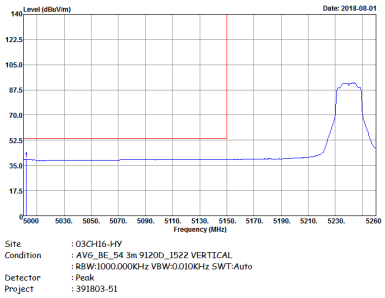
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

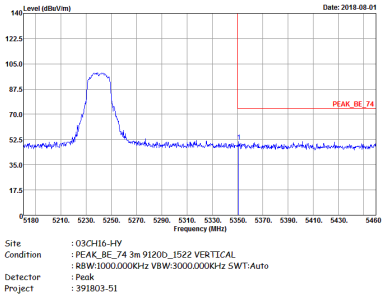
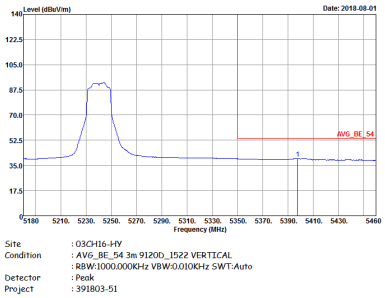
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

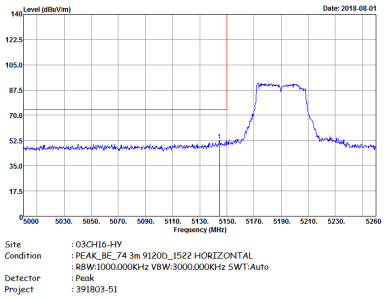
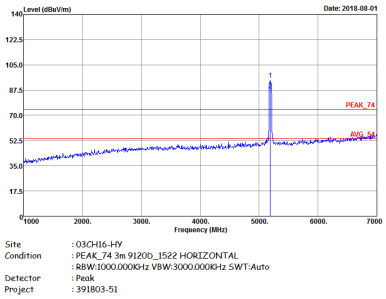
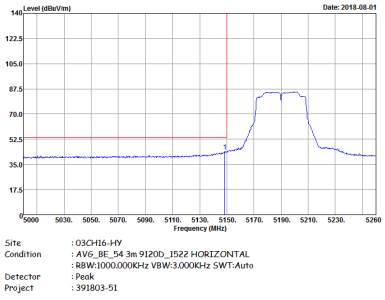
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

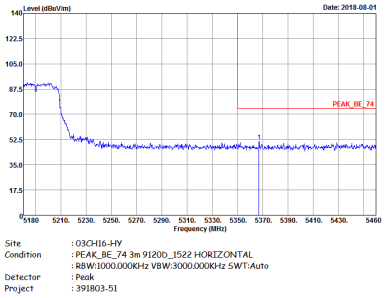
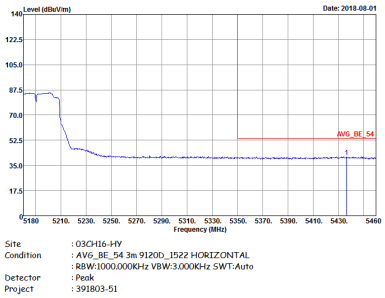
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

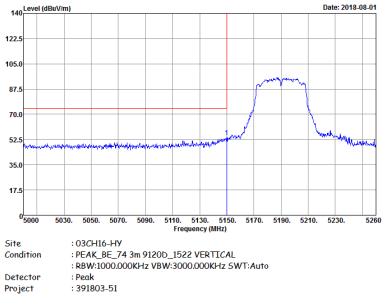
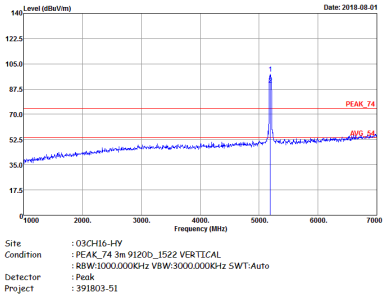
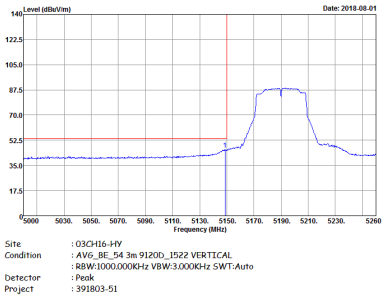
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

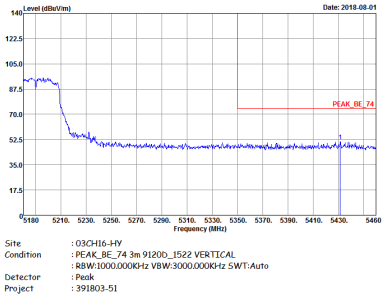
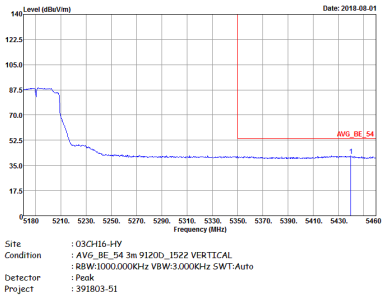
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

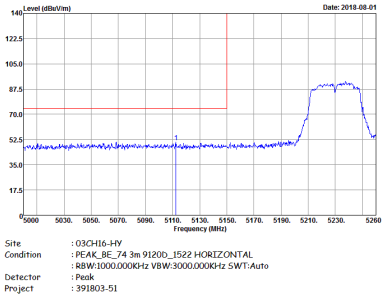
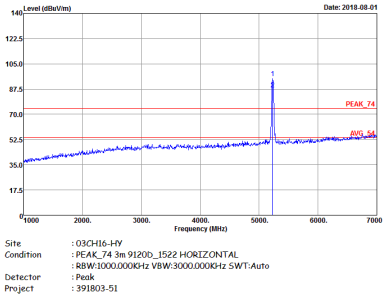
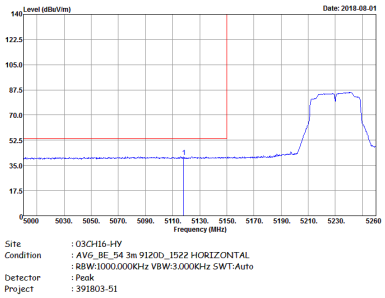
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

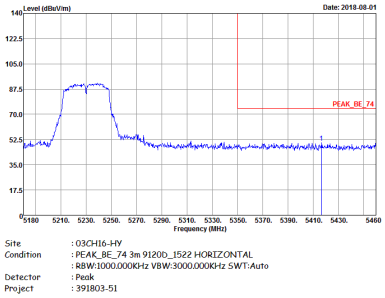
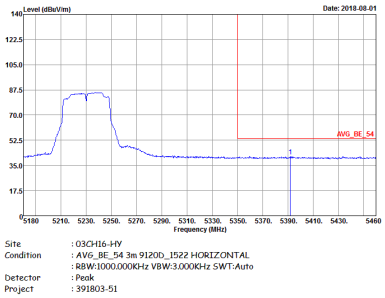
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

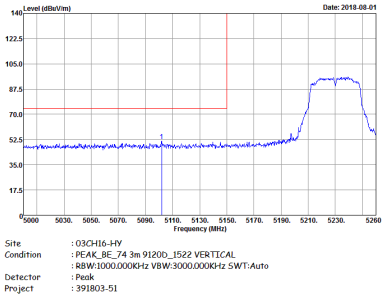
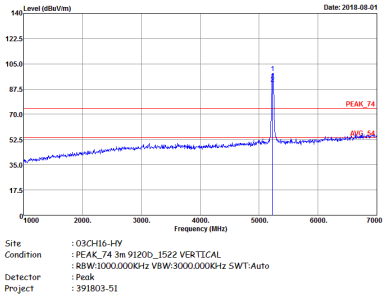
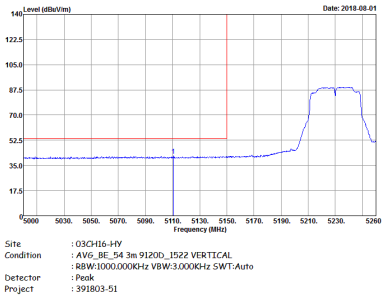
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

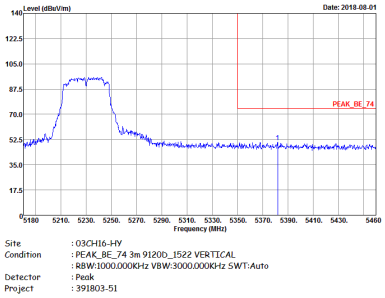
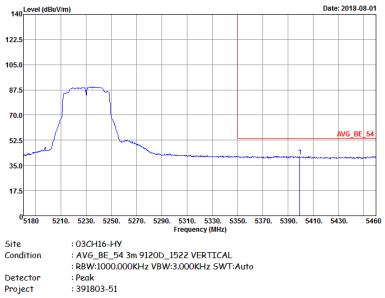
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

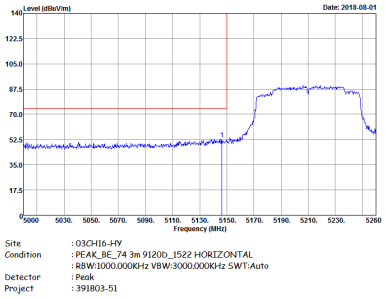
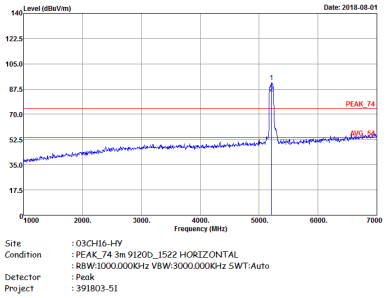
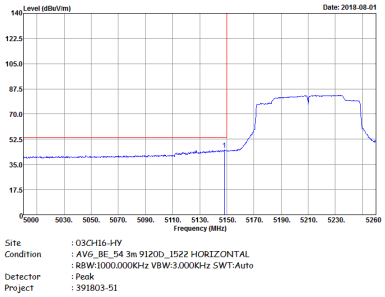
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

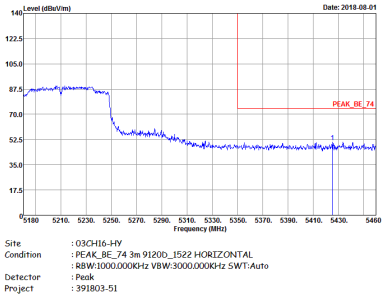
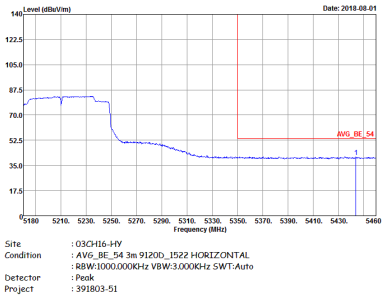
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

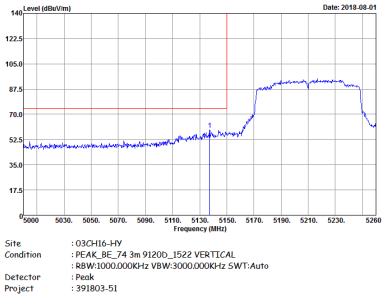
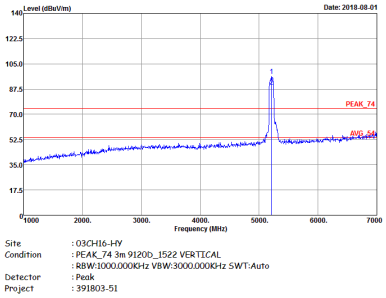
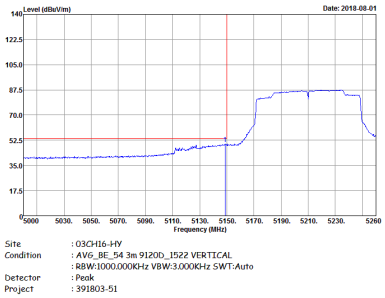
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

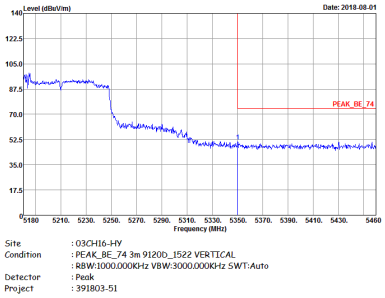
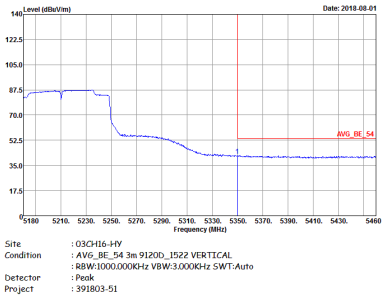
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

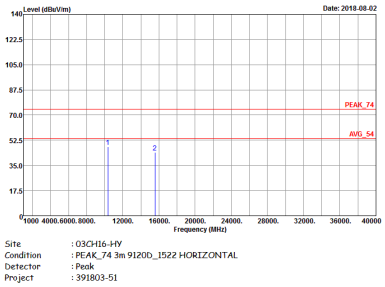
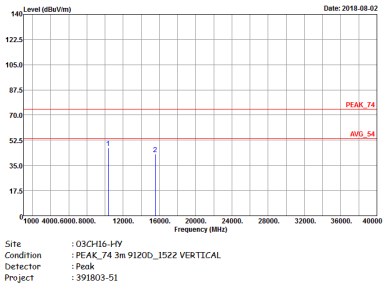
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

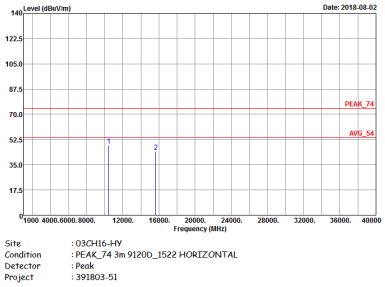
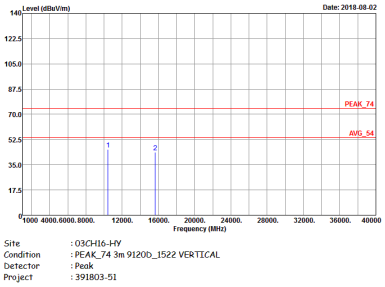
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

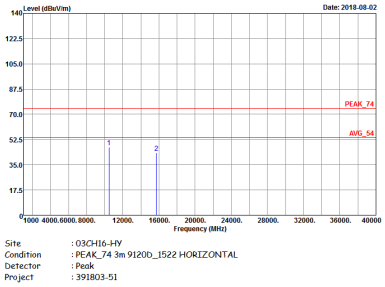
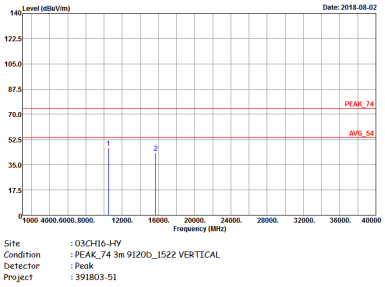
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

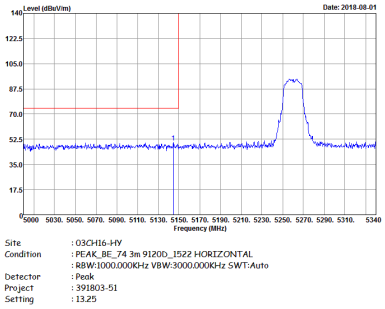
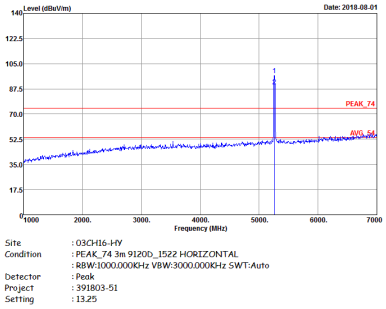
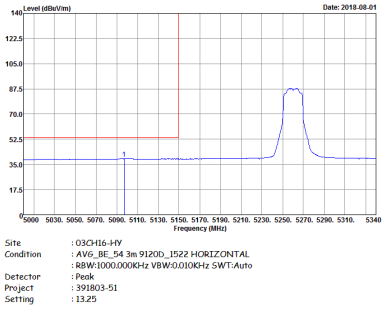
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

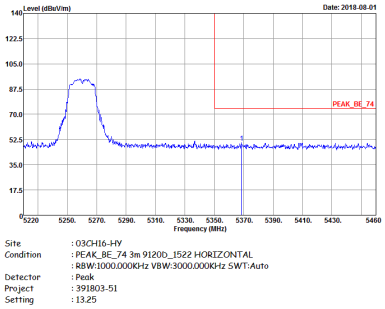
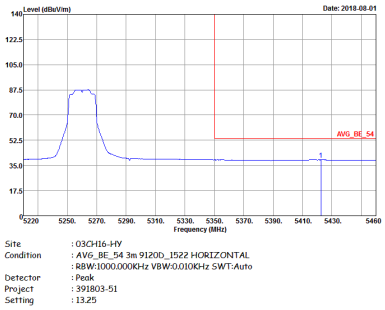
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

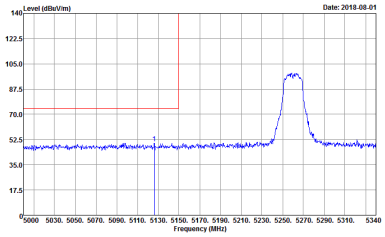
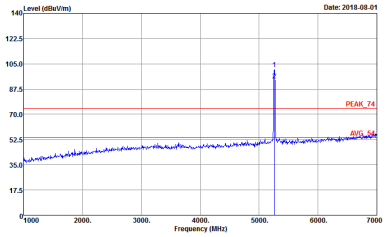
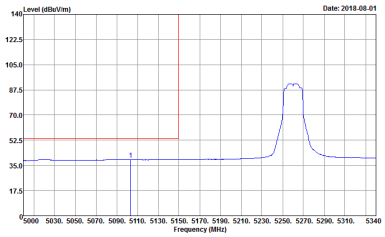
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 391803-51	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 391803-51

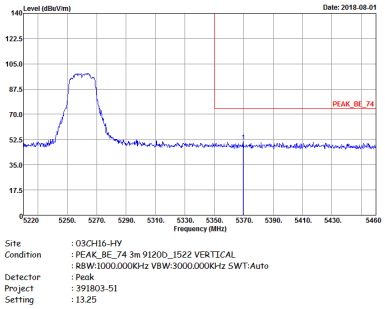
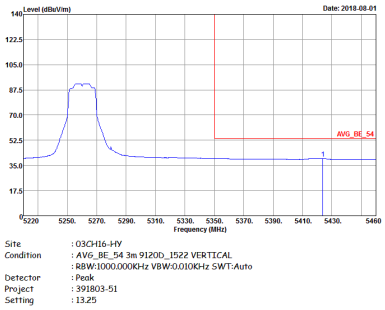
Band 2 - 5250~5350MHz

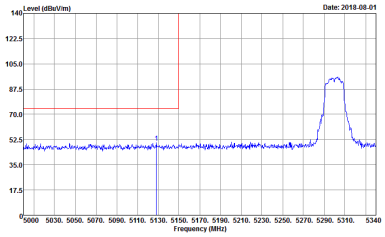
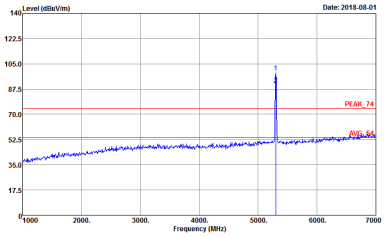
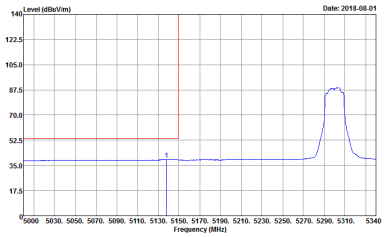
WIFI 802.11n HT20 (Band Edge @ 3m)

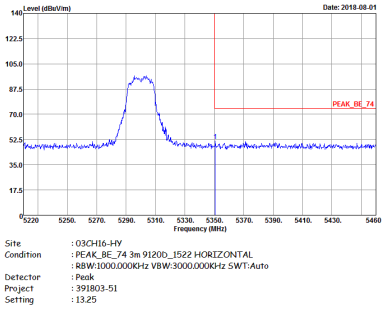
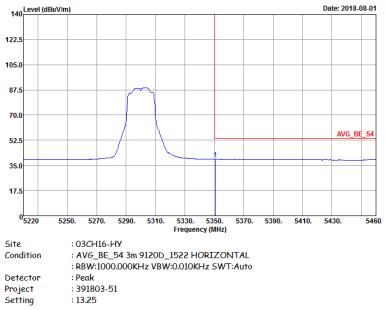
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

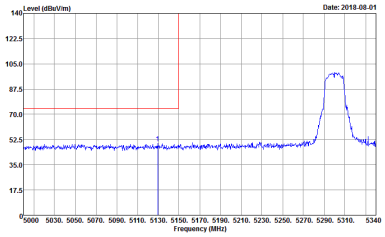
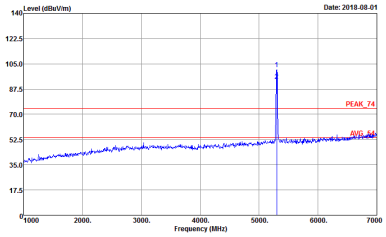
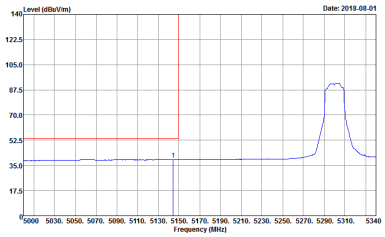
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

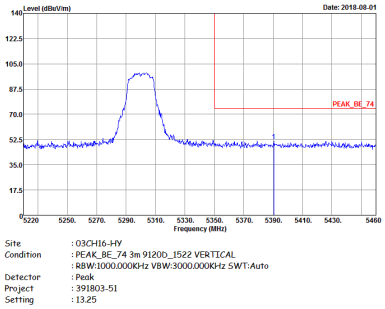
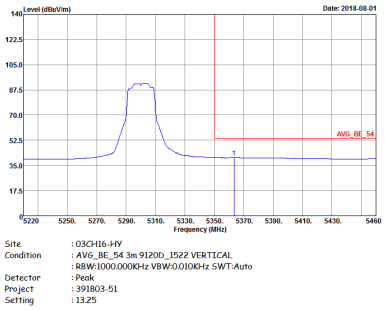
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

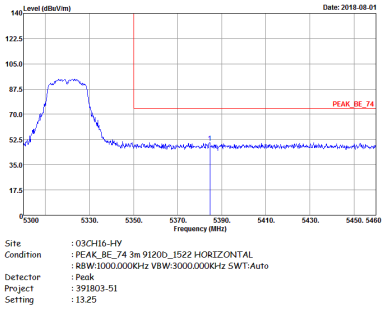
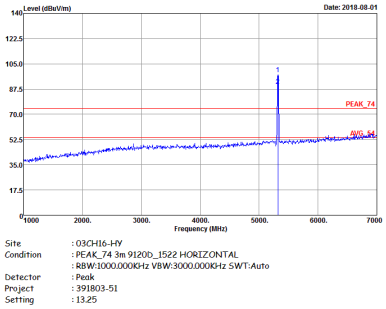
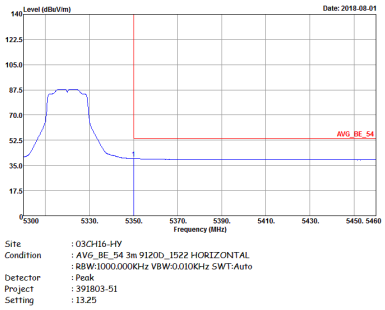
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

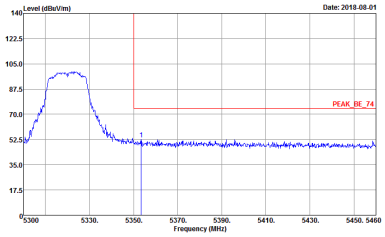
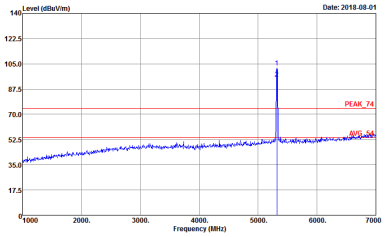
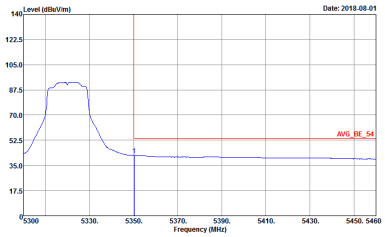
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

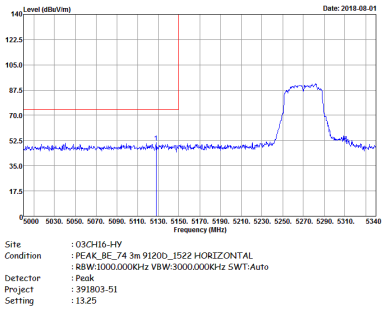
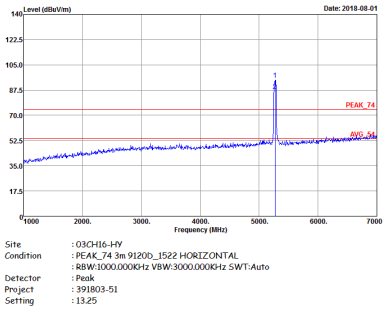
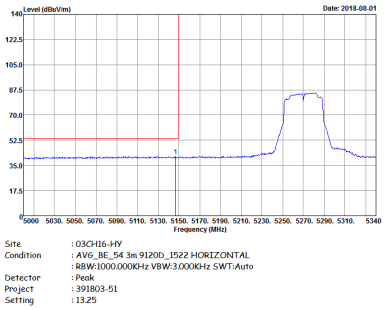
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

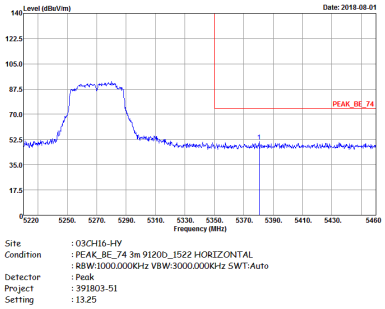
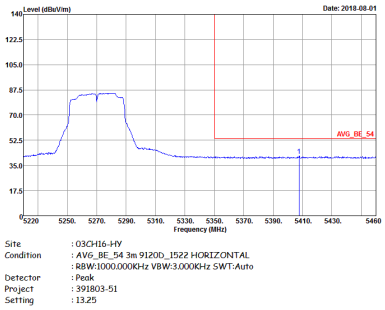
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

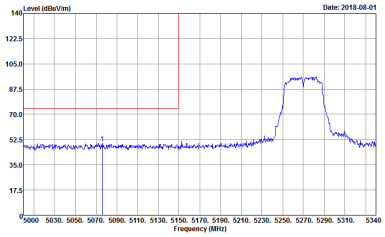
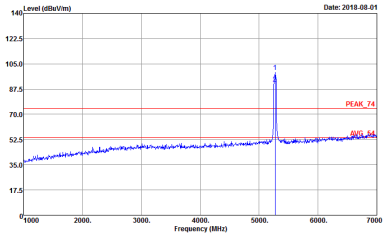
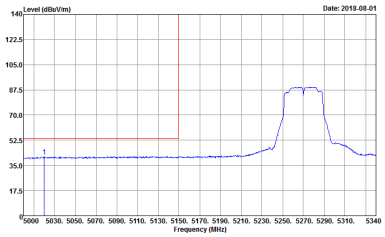
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

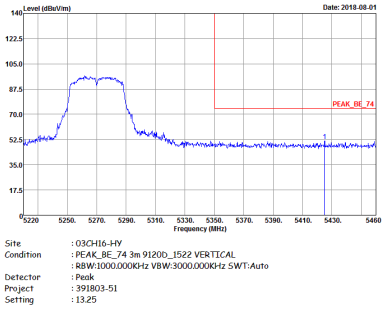
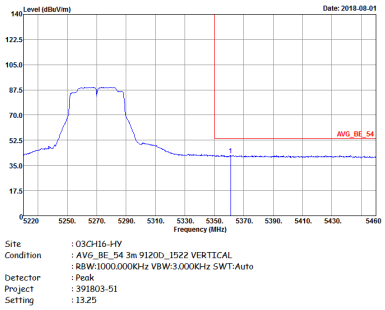
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HV Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

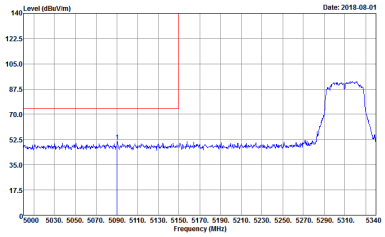
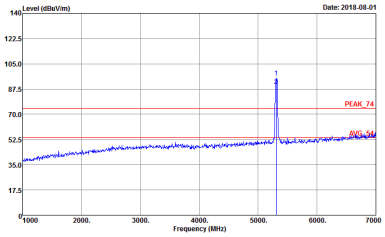
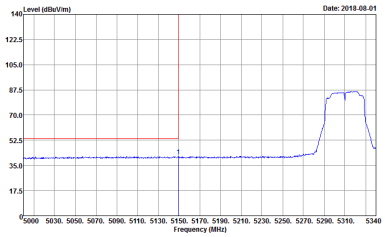
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

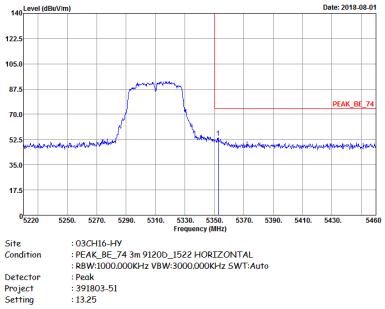
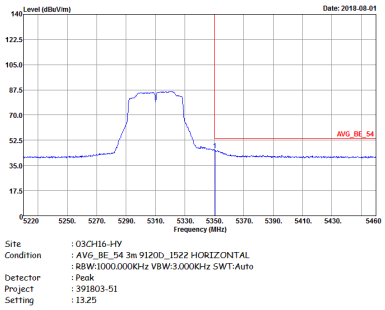
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

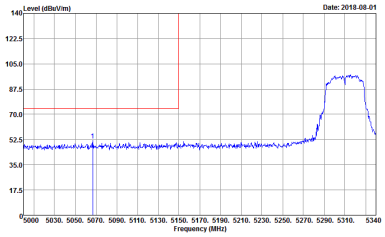
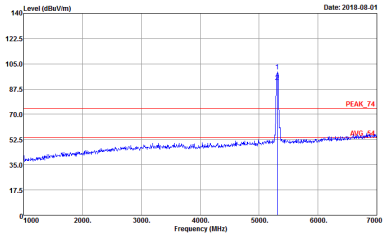
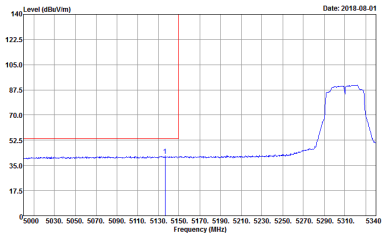
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

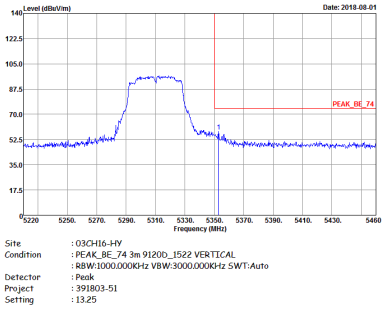
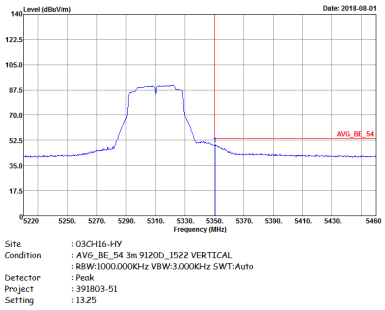
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	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

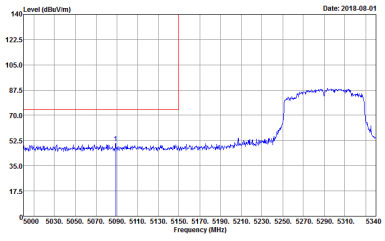
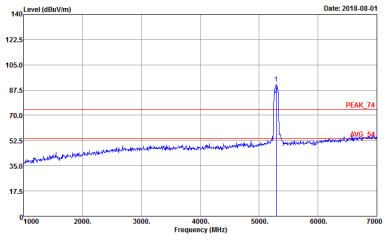
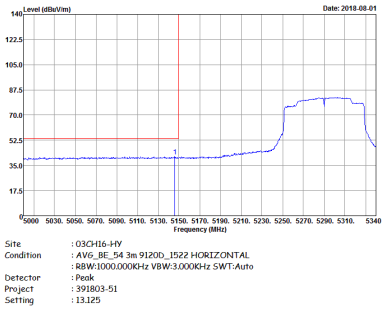
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

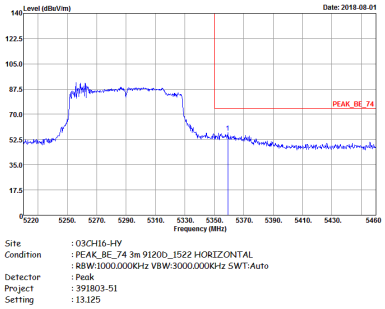
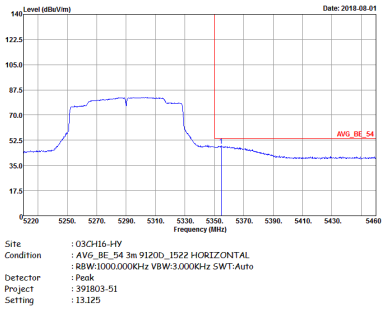
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

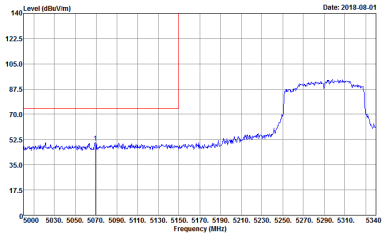
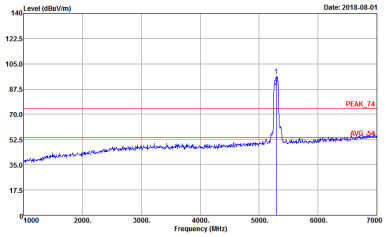
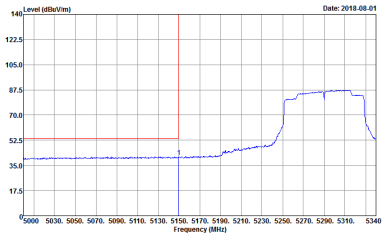
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.25	Left blank

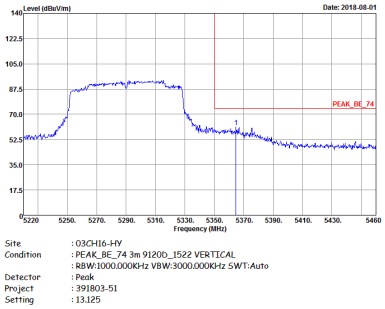
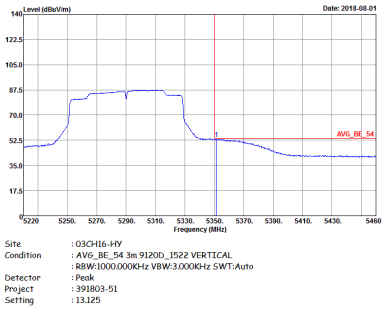
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

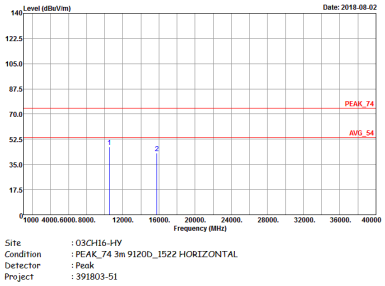
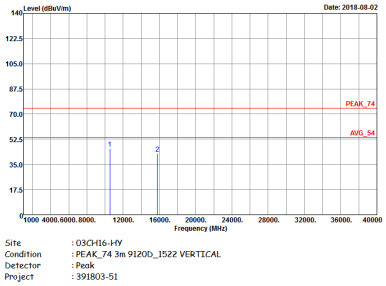
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125	Left blank

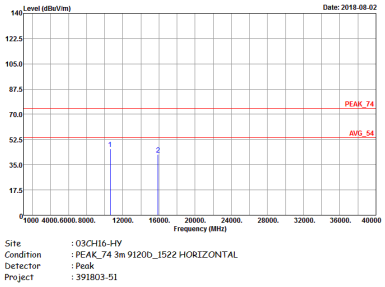
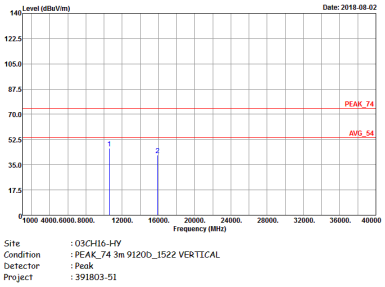
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125	Left blank

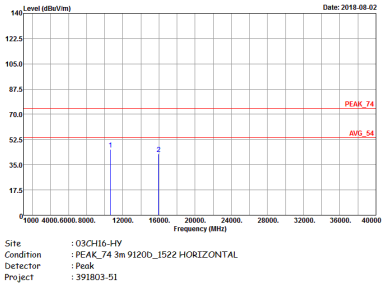
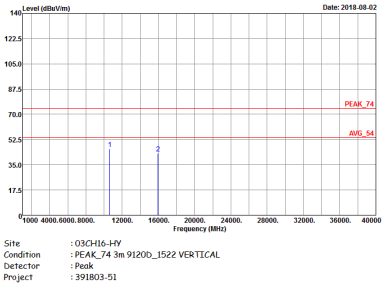
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51 Setting : 13.125	Left blank

Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

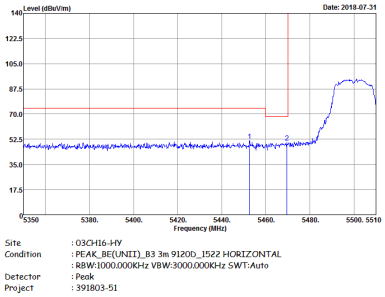
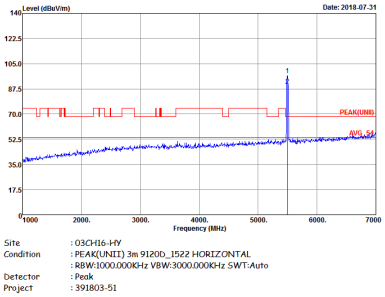
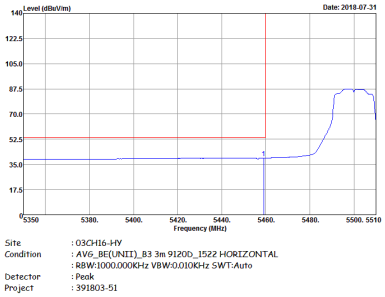
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

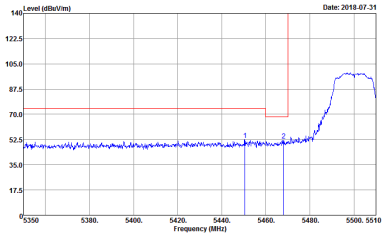
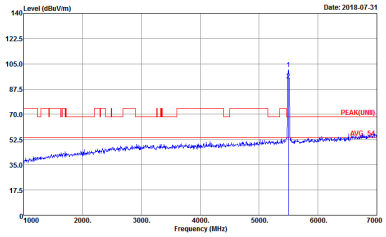
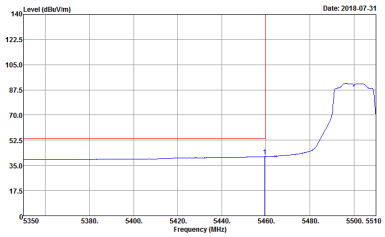
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 391803-51	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 391803-51

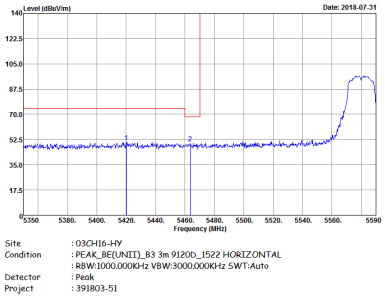
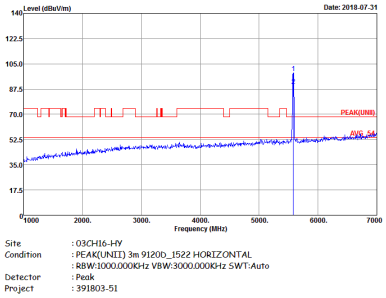
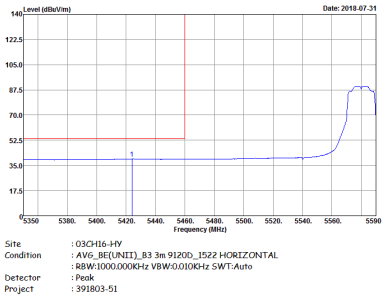
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

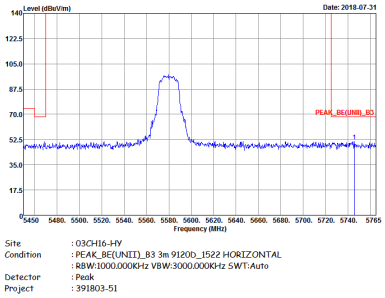
Band 3 - 5470~5725MHz

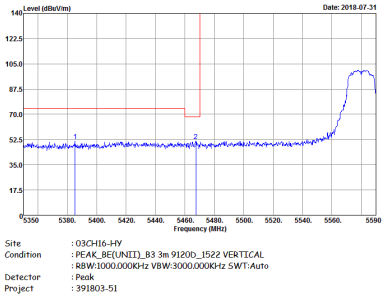
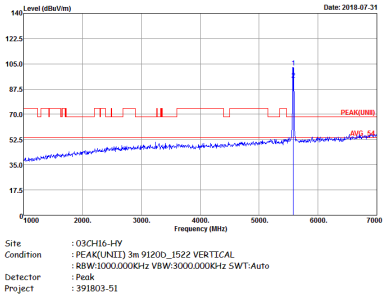
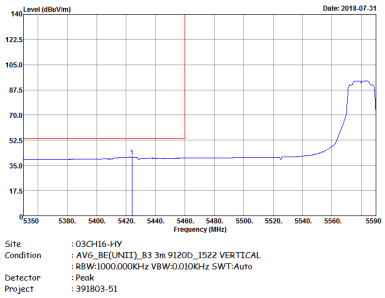
WIFI 802.11n HT20 (Band Edge @ 3m)

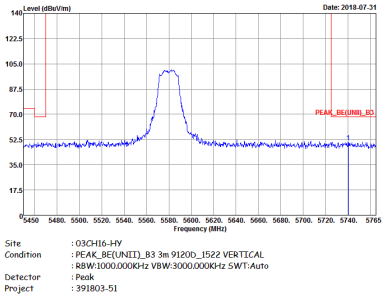
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

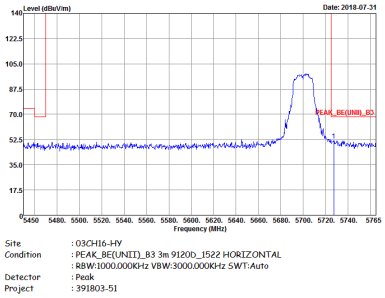
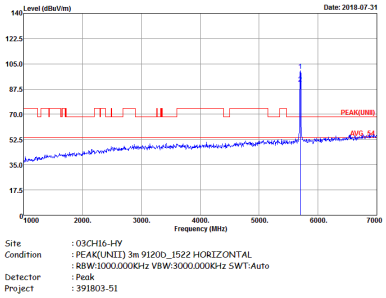
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51	Left blank

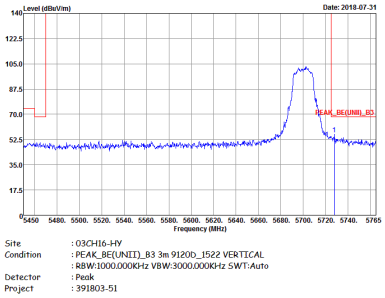
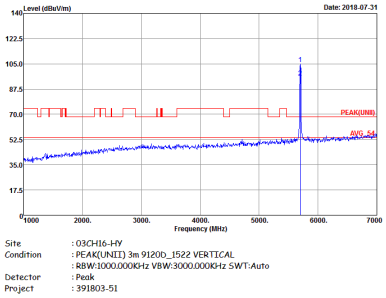
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

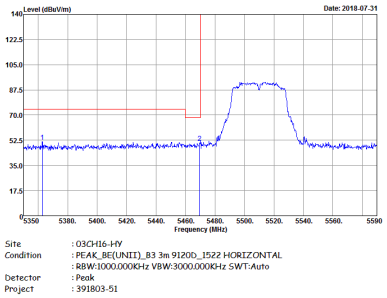
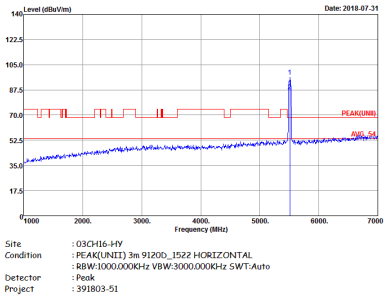
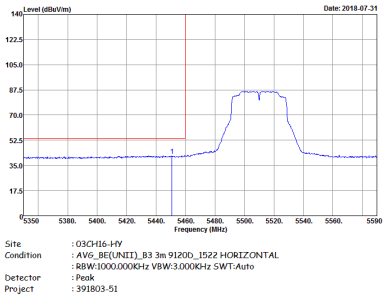
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_83 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_83 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 391803-51	Left blank

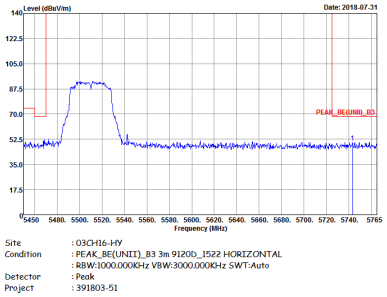
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

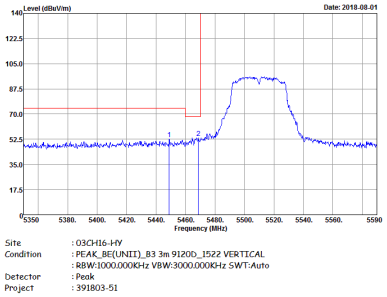
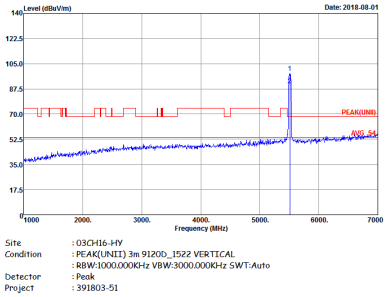
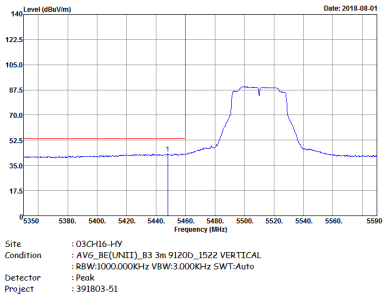
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

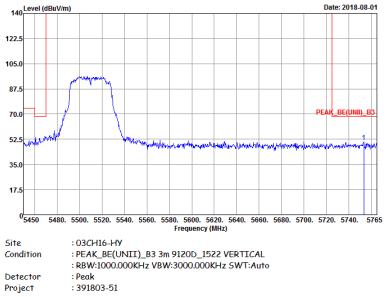
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

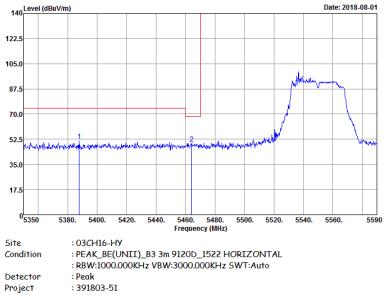
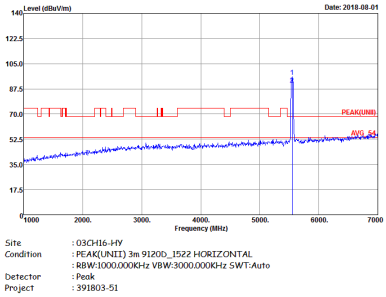
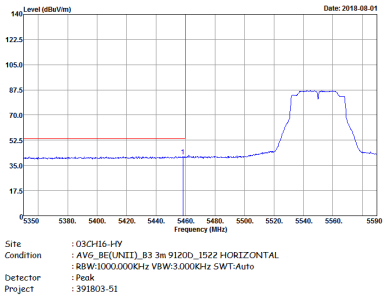
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

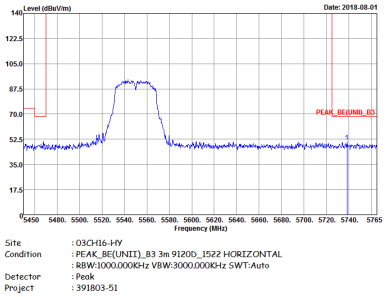
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

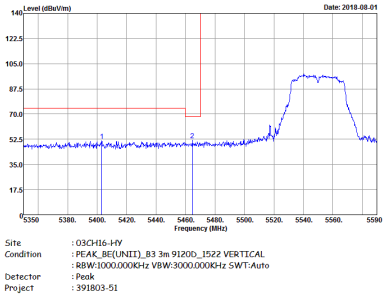
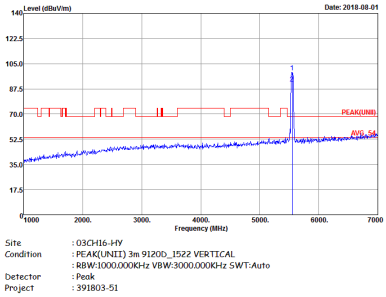
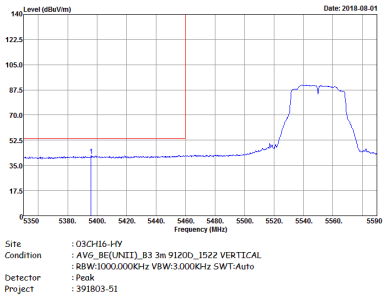
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

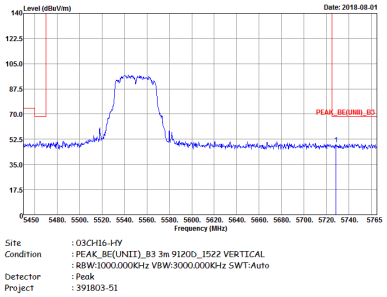
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

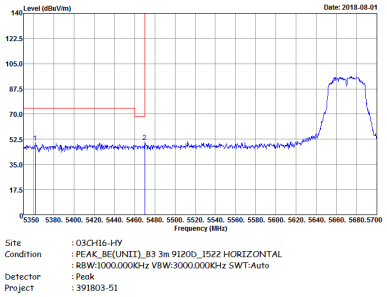
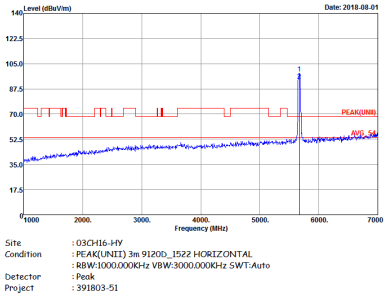
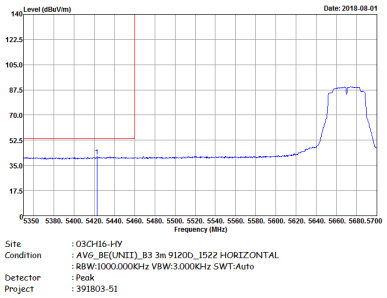
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

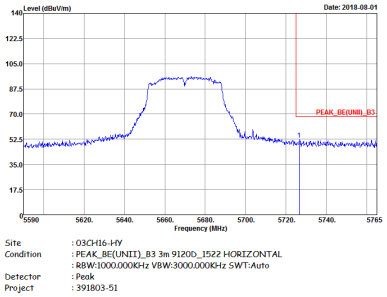
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

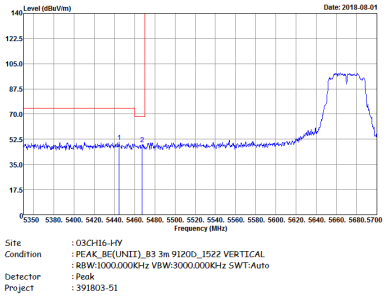
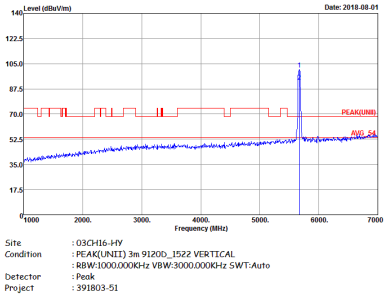
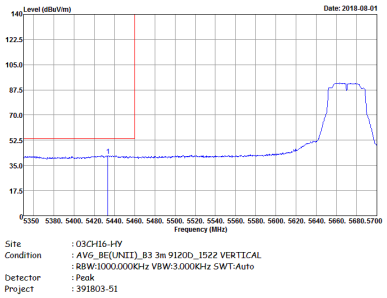
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

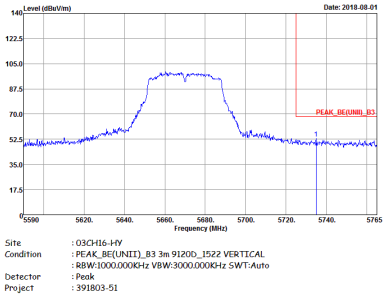
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak		Left blank

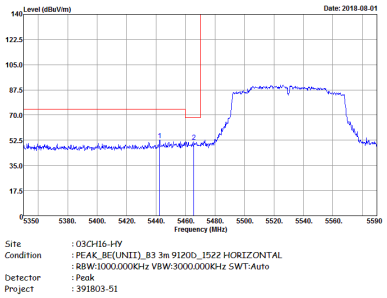
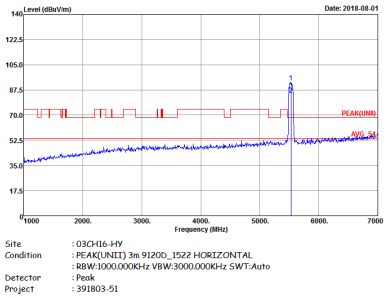
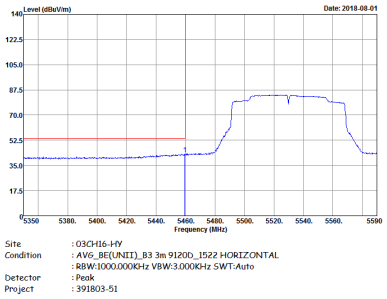
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 391803-51
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 391803-51	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank