FCC RADIO TEST REPORT

FCC ID	:	**NM82Q6U100**
Equipment	:	**Smart Hub**
Model Name	:	**2Q6U100**
Applicant	:	**HTC Corporation** **No. 88, Sec. 3, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)**
Manufacturer	:	**HTC Corporation** **No. 88, Sec. 3, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Dec. 20, 2018 and testing was started from Dec. 27, 2018 and completed on Mar. 09, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

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
FR8D2018D	01	Initial issue of report	Mar. 13, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
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	Under limit 0.84 dB at 5350.080 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 12.86 dB at 0.418 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

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

Reviewed by: Wii Chang

Report Producer: Polly Tsai

1 General Description

1.1 Product Feature of Equipment Under Test

LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, WiGig, and 5G NR.

Product Specification subjective to this standard	
Antenna Type	WWAN: <Ant. 1>: Fixed Internal PIFA Antenna <Ant. 2>: Fixed Internal Dipole Antenna <Ant. 3>: Fixed Internal PCB Antenna WLAN: <Ant. 1>: Fixed Internal PCB Antenna <Ant. 2>: Fixed Internal PIFA Antenna Bluetooth: Fixed Internal PCB Antenna WiGig: Fixed Internal Array Antenna 5G NR: Fixed Internal PCB Antenna

1.2 Modification of EUT

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

1.3 Testing Location

Test Site	SPORTON INTERNATIONAL INC.	
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.**
	03CH15-HY

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

FCC Designation No. TW1190 and TW0007

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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 (Z plane for Ant. 1, X plane for Ant. 2, and Y plane for Ant. 1+2) 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

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

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 : LTE Band 5 Idle + Bluetooth Link + WLAN (5GHz) Link + WiGig On + H-Pattern + LAN Link + Adapter + USB Data Link with Notebook
Remark: Data Link with Notebook means data application transferred mode between EUT and Notebook.	

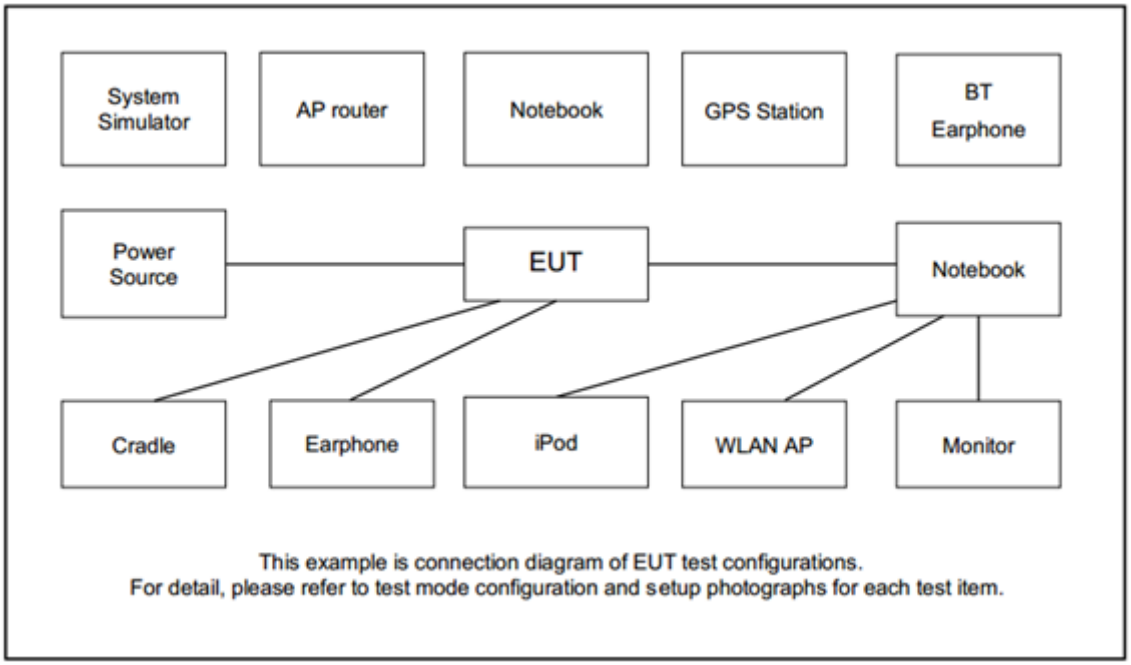
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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	-
H	High	-	-	-

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
5.	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
6.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	Notebook	Lenovo	L570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

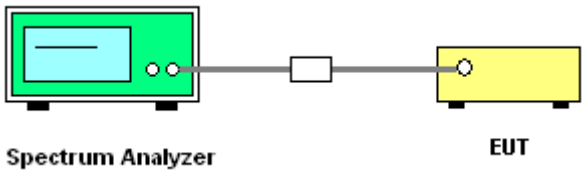
3.1.2 Measuring Instruments

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.

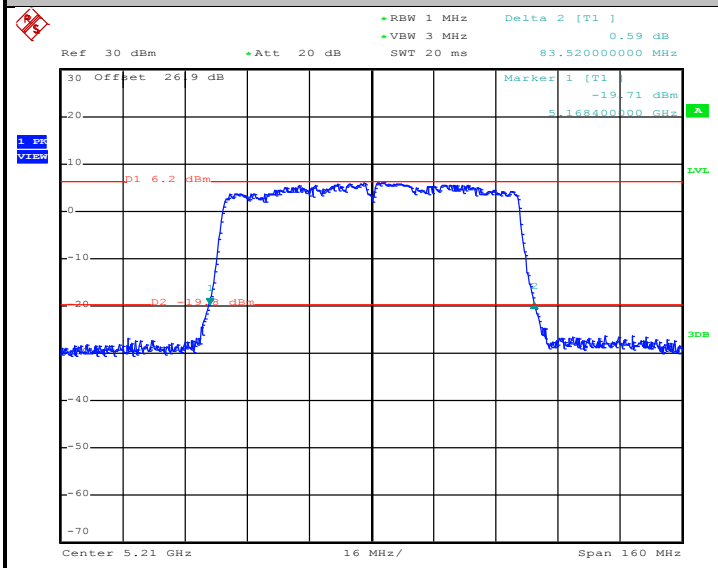
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



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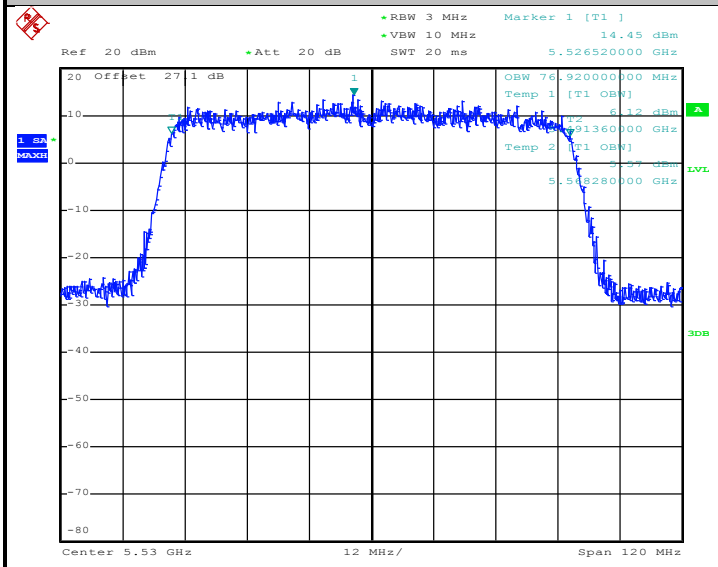
Maximum 99% Occupied Bandwidth



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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.

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.

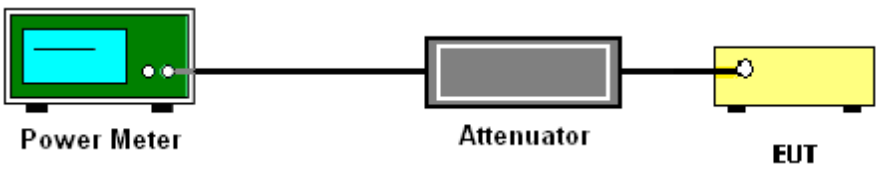
3.2.3 Test Procedures

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.

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.

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.

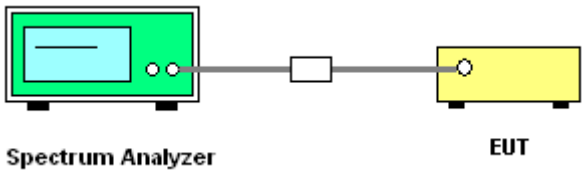
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

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.

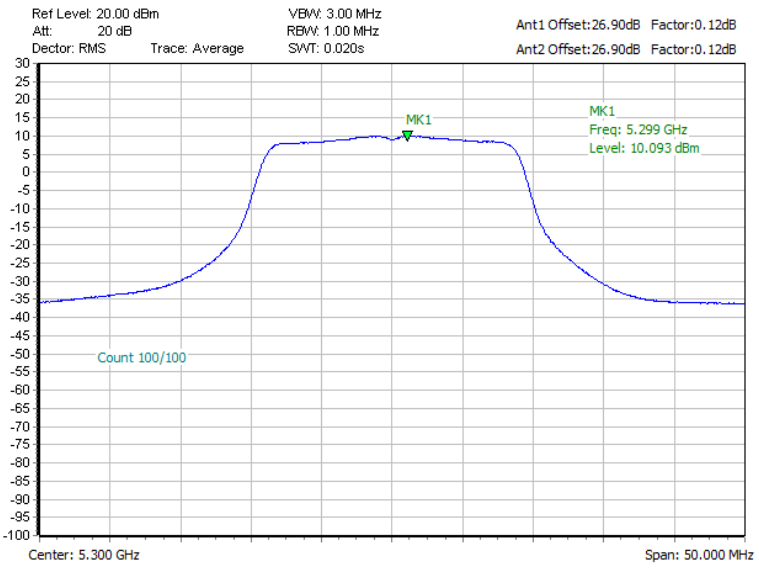
3.3.4 Test Setup



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

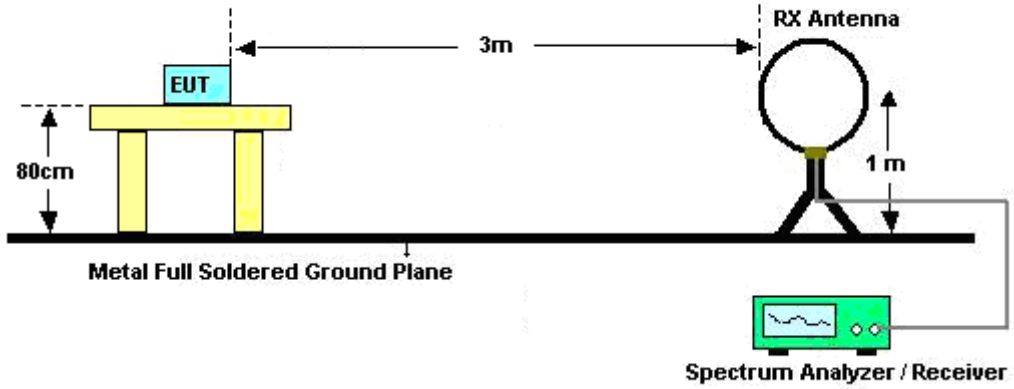
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

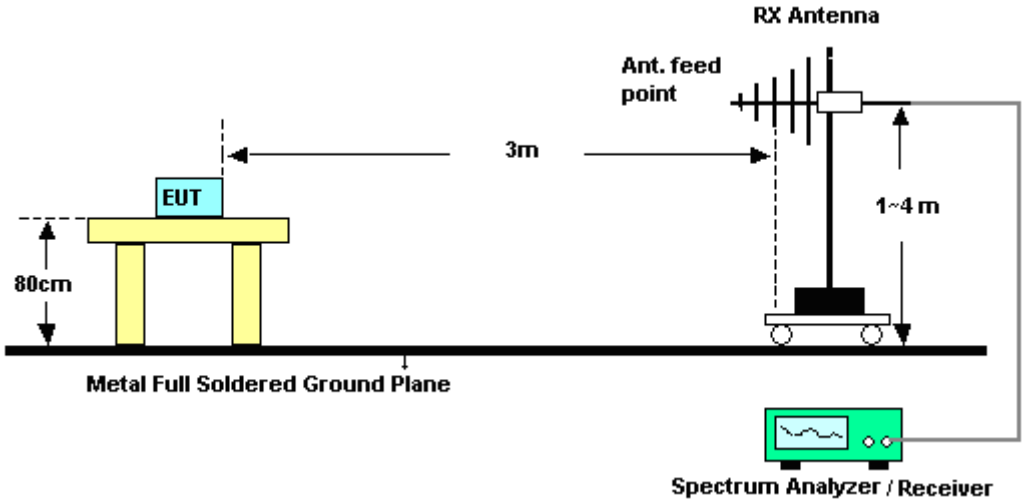
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

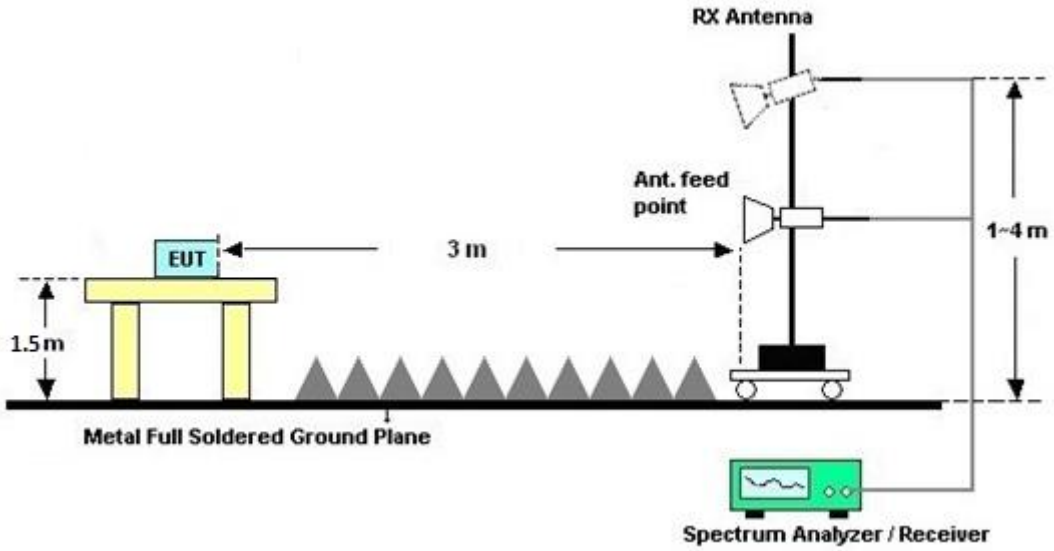
For radiated emissions below 30MHz



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 alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

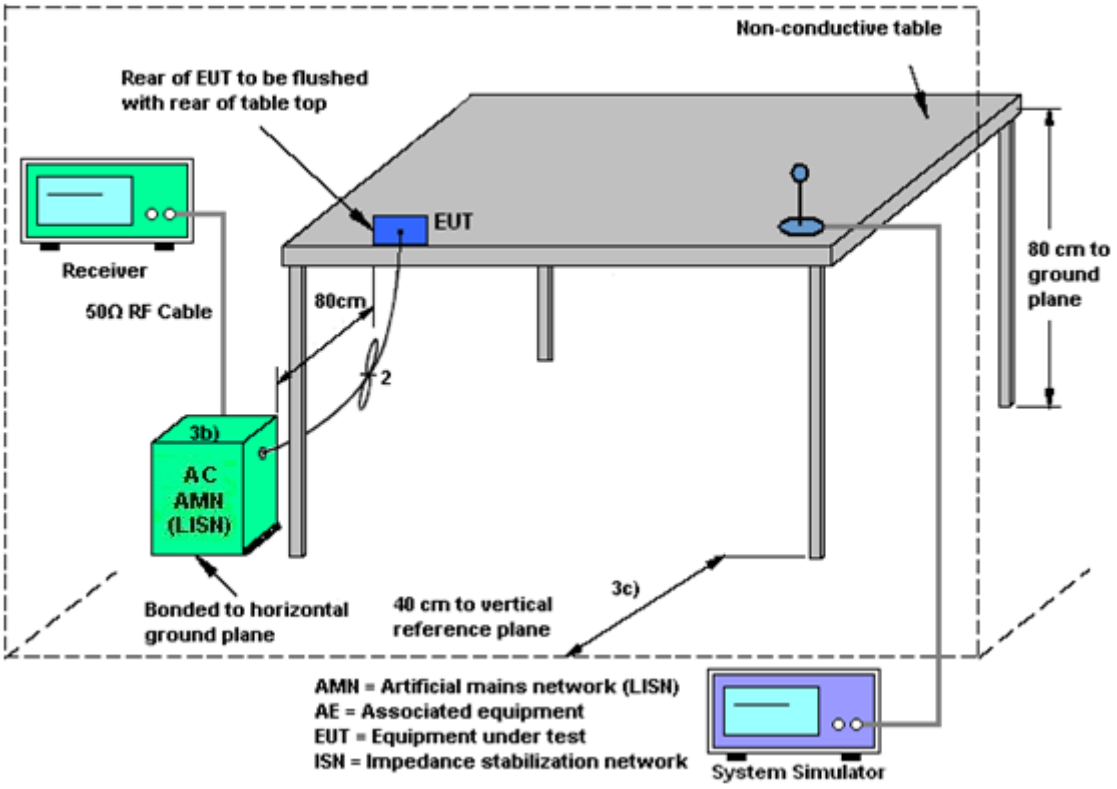
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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	2.00	2.00	2.00	5.01	0.00	0.00
Band II	1.50	1.50	1.50	4.51	0.00	0.00
Band III	1.50	1.50	1.50	4.51	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
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 29, 2018	Jan. 06, 2019~ Mar. 08, 2019	Mar. 28, 2019	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Jan. 06, 2019~ Mar. 08, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D& 00802N1D01N -06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Jan. 06, 2019~ Mar. 08, 2019	Oct. 12, 2019	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Oct. 17, 2018	Jan. 06, 2019~ Mar. 08, 2019	Oct. 16, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Jan. 06, 2019~ Mar. 08, 2019	May 07, 2019	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2018	Jan. 06, 2019~ Mar. 08, 2019	Dec. 27, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000550006	1GHz~18GHz	Jul. 10, 2018	Jan. 06, 2019~ Mar. 08, 2019	Jul. 09, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Apr. 17, 2018	Jan. 06, 2019~ Mar. 08, 2019	Apr. 16, 2019	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2018	Jan. 06, 2019~ Mar. 08, 2019	Aug. 22, 2019	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Jan. 06, 2019~ Mar. 08, 2019	Oct. 31, 2019	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 25, 2018	Jan. 06, 2019~ Mar. 08, 2019	Apr. 24, 2019	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 06, 2019~ Mar. 08, 2019	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 06, 2019~ Mar. 08, 2019	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24	RK-000451	N/A	N/A	Jan. 06, 2019~ Mar. 08, 2019	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 16, 2018	Jan. 06, 2019~ Mar. 08, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4	30M-18G	Apr. 16, 2018	Jan. 06, 2019~ Mar. 08, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	MTJ	000000-MT18A-100D3210	30M-18G	Apr. 16, 2018	Jan. 06, 2019~ Mar. 08, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 14, 2018	Jan. 06, 2019~ Mar. 08, 2019	Mar. 13, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 14, 2018	Jan. 06, 2019~ Mar. 08, 2019	Mar. 13, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN3	6.75 GHz Highpass	Sep. 16, 2018	Jan. 06, 2019~ Mar. 08, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1G Low Pass	Sep. 16, 2018	Jan. 06, 2019~ Mar. 08, 2019	Sep. 15, 2019	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1218006	N/A	Oct. 08, 2018	Dec. 27, 2018~ Mar. 09, 2019	Oct. 07, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~ 40GHz	Oct. 08, 2018	Dec. 27, 2018~ Mar. 09, 2019	Oct. 07, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Dec. 27, 2018~ Mar. 09, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	GEO821763	N/A	Oct. 08, 2018	Dec. 27, 2018~ Mar. 09, 2019	Oct. 07, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 16, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Jan. 16, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jan. 16, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jan. 16, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 16, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jan. 16, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jan. 16, 2019	Dec. 30, 2019	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.2**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.5**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	AnAn Wu / Tommy Lee / Allen Lin/ Luffy Lin	Temperature:	21~25	°C
Test Date:	2018/12/27~2019/03/09	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	16.55	16.65	24.40	23.40	-		22.19	22.21		
11a	6Mbps	1	44	5220	16.60	16.60	22.80	23.20	-		22.20	22.20		
11a	6Mbps	1	48	5240	16.55	16.60	22.70	23.10	-		22.19	22.20		
HT20	MCS0	2	36	5180	17.80	17.75	22.90	24.20	-		22.49			
HT20	MCS0	2	44	5220	17.85	17.80	23.10	24.20	-		22.50			
HT20	MCS0	2	48	5240	17.80	17.80	24.30	24.20	-		22.50			
HT40	MCS0	2	38	5190	36.60	36.50	41.76	41.76	-		23.01			
HT40	MCS0	2	46	5230	36.60	36.50	41.76	41.76	-		23.01			
VHT80	MCS0	2	42	5210	76.56	76.56	83.52	82.88	-		23.01			

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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	0.10	0.13	17.41	17.35		30.00	30.00	2.00	2.00		Pass
11a	6Mbps	1	44	5220	0.10	0.13	17.31	17.19		30.00	30.00	2.00	2.00		Pass
11a	6Mbps	1	48	5240	0.10	0.13	17.16	17.32		30.00	30.00	2.00	2.00		Pass
HT20	MCS0	1	36	5180	0.12	0.12	17.35	17.34		30.00	30.00	2.00	2.00		Pass
HT20	MCS0	1	44	5220	0.12	0.12	17.24	17.14		30.00	30.00	2.00	2.00		Pass
HT20	MCS0	1	48	5240	0.12	0.12	17.14	17.29		30.00	30.00	2.00	2.00		Pass
HT40	MCS0	1	38	5190	0.10	0.10	16.30	16.13		30.00	30.00	2.00	2.00		Pass
HT40	MCS0	1	46	5230	0.10	0.10	17.45	17.28		30.00	30.00	2.00	2.00		Pass
VHT20	MCS0	1	36	5180	0.12	0.12	17.32	17.32		30.00	30.00	2.00	2.00		Pass
VHT20	MCS0	1	44	5220	0.12	0.12	17.22	17.13		30.00	30.00	2.00	2.00		Pass
VHT20	MCS0	1	48	5240	0.12	0.12	17.12	17.28		30.00	30.00	2.00	2.00		Pass
VHT40	MCS0	1	38	5190	0.10	0.10	16.28	16.11		30.00	30.00	2.00	2.00		Pass
VHT40	MCS0	1	46	5230	0.10	0.10	17.43	17.26		30.00	30.00	2.00	2.00		Pass
VHT80	MCS0	1	42	5210	0.35	0.36	13.63	13.58		30.00	30.00	2.00	2.00		Pass
HT20	MCS0	2	36	5180	0.12	0.12	17.62	17.35	20.49	30.00		2.00			Pass
HT20	MCS0	2	44	5220	0.12	0.12	17.78	17.15	20.48	30.00		2.00			Pass
HT20	MCS0	2	48	5240	0.12	0.12	17.58	17.33	20.46	30.00		2.00			Pass
HT40	MCS0	2	38	5190	0.12	0.12	16.48	16.15	19.32	30.00		2.00			Pass
HT40	MCS0	2	46	5230	0.12	0.12	17.67	17.29	20.49	30.00		2.00			Pass
VHT20	MCS0	2	36	5180	0.12	0.12	17.60	17.34	20.48	30.00		2.00			Pass
VHT20	MCS0	2	44	5220	0.12	0.12	17.76	17.14	20.47	30.00		2.00			Pass
VHT20	MCS0	2	48	5240	0.12	0.12	17.56	17.32	20.45	30.00		2.00			Pass
VHT40	MCS0	2	38	5190	0.10	0.12	16.44	16.11	19.29	30.00		2.00			Pass
VHT40	MCS0	2	46	5230	0.10	0.12	17.63	17.28	20.47	30.00		2.00			Pass
VHT80	MCS0	2	42	5210	0.35	0.36	13.98	13.59	16.80	30.00		2.00			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	0.10	0.13	6.88	6.58		11.00	11.00	2.00	2.00		Pass
11a	6Mbps	1	44	5220	0.10	0.13	6.78	6.45		11.00	11.00	2.00	2.00		Pass
11a	6Mbps	1	48	5240	0.10	0.13	6.53	6.31		11.00	11.00	2.00	2.00		Pass
HT20	MCS0	2	36	5180	0.12	0.12			9.17	11.00		5.01			Pass
HT20	MCS0	2	44	5220	0.12	0.12			9.24	11.00		5.01			Pass
HT20	MCS0	2	48	5240	0.12	0.12			8.94	11.00		5.01			Pass
HT40	MCS0	2	38	5190	0.12	0.12			5.85	11.00		5.01			Pass
HT40	MCS0	2	46	5230	0.12	0.12			6.64	11.00		5.01			Pass
VHT80	MCS0	2	42	5210	0.35	0.36			0.37	11.00		5.01			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.65	16.65	23.86	23.43	23.21	23.21	29.21	29.21	23.98	23.98	
11a	6Mbps	1	60	5300	16.65	16.65	23.60	23.76	23.21	23.21	29.21	29.21	23.98	23.98	
11a	6Mbps	1	64	5320	16.65	16.70	23.86	23.78	23.21	23.23	29.21	29.23	23.98	23.98	
HT20	MCS0	2	52	5260	17.90	17.85	24.65	24.11	23.52		29.52		23.98		
HT20	MCS0	2	60	5300	17.85	17.80	24.40	24.30	23.50		29.50		23.98		
HT20	MCS0	2	64	5320	17.75	17.80	24.80	24.74	23.49		29.49		23.98		
HT40	MCS0	2	54	5270	36.50	36.70	42.00	41.76	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.50	36.50	42.12	41.70	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.80	76.56	83.52	82.37	23.98		30.00		23.98		

Report Number : FR8D2018D

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	0.10	0.13	17.20	17.50		23.98	23.98	1.50	1.50	26.99	Pass
11a	6Mbps	1	60	5300	0.10	0.13	17.23	17.24		23.98	23.98	1.50	1.50	26.99	Pass
11a	6Mbps	1	64	5320	0.10	0.13	17.18	17.41		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	1	52	5260	0.12	0.12	17.07	17.39		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	1	60	5300	0.12	0.12	17.17	17.10		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	1	64	5320	0.12	0.12	17.10	17.26		23.98	23.98	1.50	1.50	26.99	Pass
HT40	MCS0	1	54	5270	0.10	0.10	17.40	17.17		23.98	23.98	1.50	1.50	26.99	Pass
HT40	MCS0	1	62	5310	0.10	0.10	16.03	16.04		23.98	23.98	1.50	1.50	26.99	Pass
VHT20	MCS0	1	52	5260	0.12	0.12	17.06	17.34		23.98	23.98	1.50	1.50	26.99	Pass
VHT20	MCS0	1	60	5300	0.12	0.12	17.12	17.05		23.98	23.98	1.50	1.50	26.99	Pass
VHT20	MCS0	1	64	5320	0.12	0.12	17.02	17.22		23.98	23.98	1.50	1.50	26.99	Pass
VHT40	MCS0	1	54	5270	0.10	0.10	17.39	17.14		23.98	23.98	1.50	1.50	26.99	Pass
VHT40	MCS0	1	62	5310	0.10	0.10	16.01	16.02		23.98	23.98	1.50	1.50	26.99	Pass
VHT80	MCS0	1	58	5290	0.35	0.36	14.86	14.94		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	2	52	5260	0.12	0.12	17.18	17.60	20.40	23.98		1.50		26.99	Pass
HT20	MCS0	2	60	5300	0.12	0.12	17.41	17.44	20.43	23.98		1.50		26.99	Pass
HT20	MCS0	2	64	5320	0.12	0.12	17.35	17.57	20.47	23.98		1.50		26.99	Pass
HT40	MCS0	2	54	5270	0.12	0.12	17.28	17.64	20.47	23.98		1.50		26.99	Pass
HT40	MCS0	2	62	5310	0.12	0.12	15.85	16.25	19.06	23.98		1.50		26.99	Pass
VHT20	MCS0	2	52	5260	0.12	0.12	17.07	17.40	20.24	23.98		1.50		26.99	Pass
VHT20	MCS0	2	60	5300	0.12	0.12	17.40	17.42	20.42	23.98		1.50		26.99	Pass
VHT20	MCS0	2	64	5320	0.12	0.12	17.33	17.54	20.44	23.98		1.50		26.99	Pass
VHT40	MCS0	2	54	5270	0.10	0.12	17.22	17.60	20.42	23.98		1.50		26.99	Pass
VHT40	MCS0	2	62	5310	0.10	0.12	15.81	16.23	19.03	23.98		1.50		26.99	Pass
VHT80	MCS0	2	58	5290	0.35	0.36	15.13	15.20	18.18	23.98		1.50		26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.10	0.13	7.21	6.66		11.00	11.00	1.50	1.50		Pass
11a	6Mbps	1	60	5300	0.10	0.13	6.88	7.13		11.00	11.00	1.50	1.50		Pass
11a	6Mbps	1	64	5320	0.10	0.13	6.91	7.18		11.00	11.00	1.50	1.50		Pass
HT20	MCS0	2	52	5260	0.12	0.12			9.53	11.00		4.51			Pass
HT20	MCS0	2	60	5300	0.12	0.12			10.09	11.00		4.51			Pass
HT20	MCS0	2	64	5320	0.12	0.12			10.02	11.00		4.51			Pass
HT40	MCS0	2	54	5270	0.12	0.12			7.38	11.00		4.51			Pass
HT40	MCS0	2	62	5310	0.12	0.12			5.58	11.00		4.51			Pass
VHT80	MCS0	2	58	5290	0.35	0.36			2.05	11.00		4.51			Pass

Report Number : FR8D2018D

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	16.75	16.65	23.97	23.87	23.24	23.21	29.24	29.21	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.75	16.70	23.74	23.46	23.24	23.23	29.24	29.23	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.65	16.65	23.28	23.33	23.21	23.21	29.21	29.21	23.98	23.98	----	----
HT20	MCS0	2	100	5500	17.75	17.75	24.54	24.54	23.49		29.49		23.98		----	----
HT20	MCS0	2	116	5580	17.85	17.80	24.83	24.17	23.50		29.50		23.98		----	----
HT20	MCS0	2	140	5700	17.80	17.85	24.27	24.97	23.50		29.50		23.98		----	----
HT40	MCS0	2	102	5510	36.50	36.60	41.76	41.76	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.40	36.50	42.22	41.76	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.60	36.50	41.58	41.94	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.80	76.92	83.48	82.65	23.98		30.00		23.98		----	----

Report Number : FR8D2018D

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	0.10	0.13	15.52	17.37		23.98	23.98	1.50	1.50	26.99	Pass
11a	6Mbps	1	116	5580	0.10	0.13	17.44	17.35		23.98	23.98	1.50	1.50	26.99	Pass
11a	6Mbps	1	140	5700	0.10	0.13	15.47	17.05		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	1	100	5500	0.12	0.12	14.06	14.08		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	1	116	5580	0.12	0.12	17.30	17.23		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	1	140	5700	0.12	0.12	14.03	14.02		23.98	23.98	1.50	1.50	26.99	Pass
HT40	MCS0	1	102	5510	0.10	0.10	17.45	17.04		23.98	23.98	1.50	1.50	26.99	Pass
HT40	MCS0	1	110	5550	0.10	0.10	17.36	17.39		23.98	23.98	1.50	1.50	26.99	Pass
HT40	MCS0	1	134	5670	0.10	0.10	17.42	17.05		23.98	23.98	1.50	1.50	26.99	Pass
VHT20	MCS0	1	100	5500	0.12	0.12	14.04	14.03		23.98	23.98	1.50	1.50	26.99	Pass
VHT20	MCS0	1	116	5580	0.12	0.12	17.28	17.22		23.98	23.98	1.50	1.50	26.99	Pass
VHT20	MCS0	1	140	5700	0.12	0.12	14.01	14.01		23.98	23.98	1.50	1.50	26.99	Pass
VHT40	MCS0	1	102	5510	0.10	0.10	17.35	17.03		23.98	23.98	1.50	1.50	26.99	Pass
VHT40	MCS0	1	110	5550	0.10	0.10	17.33	17.38		23.98	23.98	1.50	1.50	26.99	Pass
VHT40	MCS0	1	134	5670	0.10	0.10	17.40	17.04		23.98	23.98	1.50	1.50	26.99	Pass
VHT80	MCS0	1	106	5530	0.35	0.36	16.55	16.76		23.98	23.98	1.50	1.50	26.99	Pass
HT20	MCS0	2	100	5500	0.12	0.12	14.45	14.15	17.31	23.98		1.50		26.99	Pass
HT20	MCS0	2	116	5580	0.12	0.12	17.60	17.36	20.49	23.98		1.50		26.99	Pass
HT20	MCS0	2	140	5700	0.12	0.12	14.45	13.65	17.07	23.98		1.50		26.99	Pass
HT40	MCS0	2	102	5510	0.12	0.12	17.60	17.30	20.46	23.98		1.50		26.99	Pass
HT40	MCS0	2	110	5550	0.12	0.12	17.60	17.37	20.49	23.98		1.50		26.99	Pass
HT40	MCS0	2	134	5670	0.12	0.12	17.80	17.12	20.48	23.98		1.50		26.99	Pass
VHT20	MCS0	2	100	5500	0.12	0.12	14.42	14.13	17.28	23.98		1.50		26.99	Pass
VHT20	MCS0	2	116	5580	0.12	0.12	17.59	17.36	20.48	23.98		1.50		26.99	Pass
VHT20	MCS0	2	140	5700	0.12	0.12	14.43	13.63	17.05	23.98		1.50		26.99	Pass
VHT40	MCS0	2	102	5510	0.10	0.12	17.52	17.17	20.36	23.98		1.50		26.99	Pass
VHT40	MCS0	2	110	5550	0.10	0.12	17.55	17.34	20.45	23.98		1.50		26.99	Pass
VHT40	MCS0	2	134	5670	0.10	0.12	17.75	17.07	20.43	23.98		1.50		26.99	Pass
VHT80	MCS0	2	106	5530	0.35	0.36	17.08	16.59	19.86	23.98		1.50		26.99	Pass

Report Number : FR8D2018D

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	0.10	0.13	4.84	6.44		11.00	11.00	1.50	1.50		Pass
11a	6Mbps	1	116	5580	0.10	0.13	6.86	6.76		11.00	11.00	1.50	1.50		Pass
11a	6Mbps	1	140	5700	0.10	0.13	4.40	5.39		11.00	11.00	1.50	1.50		Pass
HT20	MCS0	2	100	5500	0.12	0.12			6.41	11.00		4.51			Pass
HT20	MCS0	2	116	5580	0.12	0.12			9.81	11.00		4.51			Pass
HT20	MCS0	2	140	5700	0.12	0.12			5.71	11.00		4.51			Pass
HT40	MCS0	2	102	5510	0.12	0.12			6.57	11.00		4.51			Pass
HT40	MCS0	2	110	5550	0.12	0.12			6.88	11.00		4.51			Pass
HT40	MCS0	2	134	5670	0.12	0.12			6.77	11.00		4.51			Pass
VHT80	MCS0	2	106	5530	0.35	0.36			3.05	11.00		4.51			Pass

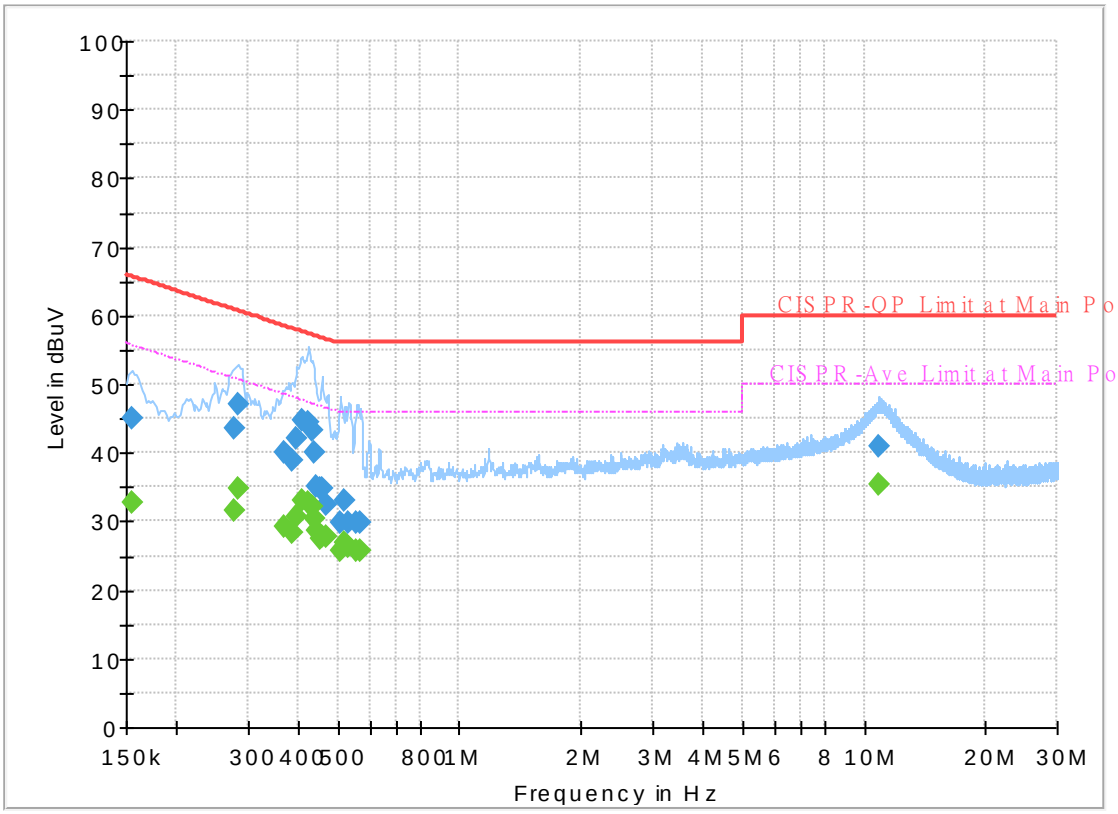
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Rick Lin	**Temperature :**	22~23℃
		Relative Humidity :	60~62%

EUT Information

Report NO :	8D2018
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz

Full Spectrum



Final_Result

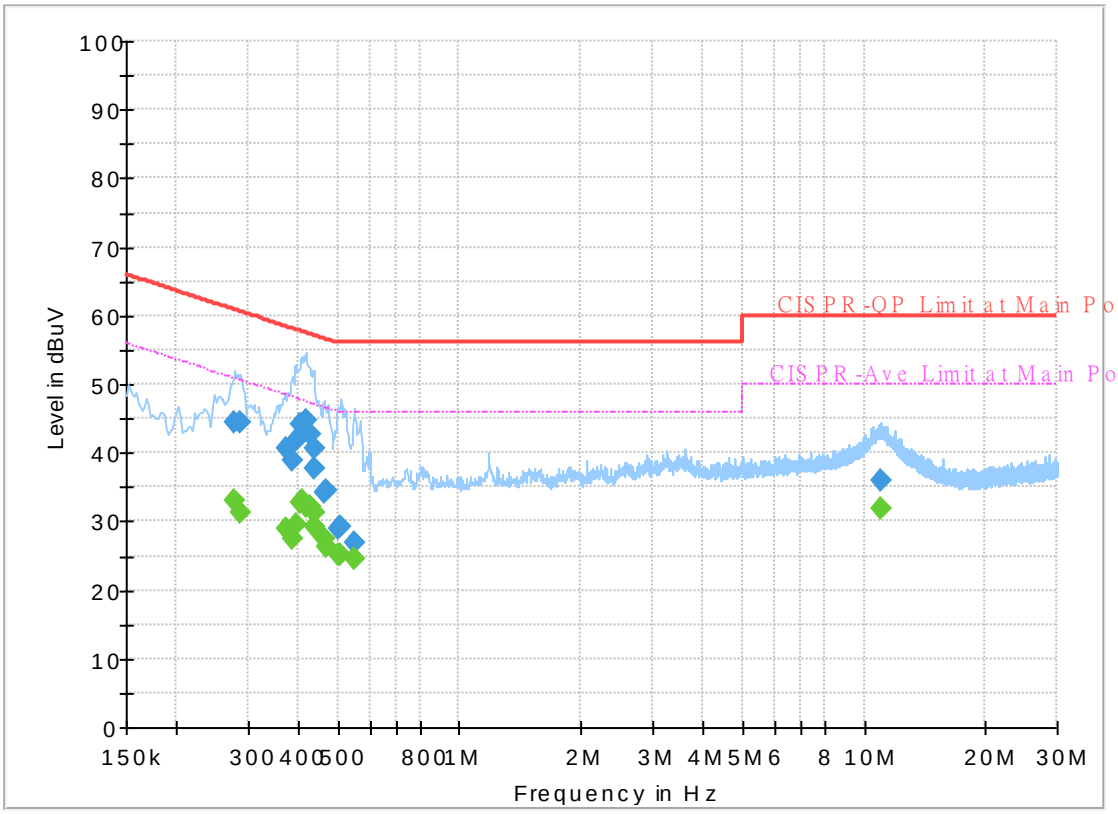
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	32.64	55.75	23.11	L1	OFF	19.5
0.154500	45.00	---	65.75	20.75	L1	OFF	19.5
0.276000	---	31.57	50.94	19.37	L1	OFF	19.5
0.276000	43.70	---	60.94	17.24	L1	OFF	19.5
0.285000	---	34.79	50.67	15.88	L1	OFF	19.5
0.285000	47.08	---	60.67	13.59	L1	OFF	19.5
0.368250	---	29.19	48.54	19.35	L1	OFF	19.5
0.368250	39.95	---	58.54	18.59	L1	OFF	19.5
0.386250	---	28.24	48.14	19.90	L1	OFF	19.5
0.386250	38.98	---	58.14	19.16	L1	OFF	19.5
0.395250	---	30.70	47.95	17.25	L1	OFF	19.5
0.395250	42.24	---	57.95	15.71	L1	OFF	19.5
0.408750	---	33.03	47.67	14.64	L1	OFF	19.5
0.408750	44.77	---	57.67	12.90	L1	OFF	19.5
0.424500	---	32.67	47.36	14.69	L1	OFF	19.5
0.424500	44.31	---	57.36	13.05	L1	OFF	19.5
0.433500	---	32.20	47.19	14.99	L1	OFF	19.5
0.433500	43.35	---	57.19	13.84	L1	OFF	19.5
0.440250	---	30.29	47.06	16.77	L1	OFF	19.5
0.440250	40.11	---	57.06	16.95	L1	OFF	19.5
0.444750	---	28.63	46.97	18.34	L1	OFF	19.5

0.444750	35.11	---	56.97	21.86	L1	OFF	19.5
0.453750	---	27.53	46.81	19.28	L1	OFF	19.5
0.453750	34.81	---	56.81	22.00	L1	OFF	19.5
0.458250	---	27.85	46.72	18.87	L1	OFF	19.5
0.458250	34.84	---	56.72	21.88	L1	OFF	19.5
0.469500	---	27.74	46.52	18.78	L1	OFF	19.5
0.469500	32.39	---	56.52	24.13	L1	OFF	19.5
0.507750	---	25.62	46.00	20.38	L1	OFF	19.5
0.507750	29.89	---	56.00	26.11	L1	OFF	19.5
0.521250	---	26.80	46.00	19.20	L1	OFF	19.5
0.521250	33.11	---	56.00	22.89	L1	OFF	19.5
0.532500	---	26.24	46.00	19.76	L1	OFF	19.5
0.532500	29.86	---	56.00	26.14	L1	OFF	19.5
0.557250	---	25.87	46.00	20.13	L1	OFF	19.5
0.557250	29.81	---	56.00	26.19	L1	OFF	19.5
0.568500	---	25.76	46.00	20.24	L1	OFF	19.5
0.568500	29.78	---	56.00	26.22	L1	OFF	19.5
10.896000	---	35.47	50.00	14.53	L1	OFF	19.9
10.896000	40.98	---	60.00	19.02	L1	OFF	19.9

EUT Information

Report NO :	8D2018
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.278250	---	33.17	50.87	17.70	N	OFF	19.5
0.278250	44.33	---	60.87	16.54	N	OFF	19.5
0.287250	---	31.28	50.60	19.32	N	OFF	19.5
0.287250	44.53	---	60.60	16.07	N	OFF	19.5
0.372750	---	28.93	48.44	19.51	N	OFF	19.5
0.372750	40.56	---	58.44	17.88	N	OFF	19.5
0.386250	---	27.34	48.14	20.80	N	OFF	19.5
0.386250	38.86	---	58.14	19.28	N	OFF	19.5
0.393000	---	29.50	48.00	18.50	N	OFF	19.5
0.393000	41.94	---	58.00	16.06	N	OFF	19.5
0.402000	---	32.67	47.81	15.14	N	OFF	19.5
0.402000	44.22	---	57.81	13.59	N	OFF	19.5
0.408750	---	33.00	47.67	14.67	N	OFF	19.5
0.408750	44.23	---	57.67	13.44	N	OFF	19.5
0.417750	---	32.23	47.49	15.26	N	OFF	19.5
0.417750	44.63	---	57.49	12.86	N	OFF	19.5
0.426750	---	32.22	47.32	15.10	N	OFF	19.5
0.426750	42.62	---	57.32	14.70	N	OFF	19.5
0.435750	---	31.16	47.14	15.98	N	OFF	19.5
0.435750	40.53	---	57.14	16.61	N	OFF	19.5
0.440250	---	29.16	47.06	17.90	N	OFF	19.5

0.440250	37.82	---	57.06	19.24	N	OFF	19.5
0.462750	---	27.49	46.64	19.15	N	OFF	19.5
0.462750	34.08	---	56.64	22.56	N	OFF	19.5
0.469500	---	26.44	46.52	20.08	N	OFF	19.5
0.469500	34.45	---	56.52	22.07	N	OFF	19.5
0.501000	---	25.12	46.00	20.88	N	OFF	19.5
0.501000	28.83	---	56.00	27.17	N	OFF	19.5
0.510000	---	25.28	46.00	20.72	N	OFF	19.5
0.510000	29.34	---	56.00	26.66	N	OFF	19.5
0.550500	---	24.64	46.00	21.36	N	OFF	19.5
0.550500	26.98	---	56.00	29.02	N	OFF	19.5
10.977000	---	31.77	50.00	18.23	N	OFF	20.0
10.977000	36.11	---	60.00	23.89	N	OFF	20.0

Appendix C. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Karl Hou, and Bigshow Wang	Temperature :	24~26°C
		Relative Humidity :	47~58%

Band 1 - 5150~5250MHz

WIFI 802.11a (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)
802.11a CH 36 5180MHz		5141.7	61.1	-12.9	74	50.77	31.8	8.63	30.1	200	290	P	H
		5148.2	44.99	-9.01	54	34.66	31.8	8.63	30.1	200	290	A	H
	*	5180	108.96	-	-	98.74	31.67	8.65	30.1	200	290	P	H
	*	5180	101.76	-	-	91.54	31.67	8.65	30.1	200	290	A	H
													H
													H
		5145.6	65.06	-8.94	74	54.73	31.8	8.63	30.1	194	281	P	V
		5145.6	47.2	-6.8	54	36.87	31.8	8.63	30.1	194	281	A	V
	*	5180	111.66	-	-	101.44	31.67	8.65	30.1	194	281	P	V
	*	5180	104.44	-	-	94.22	31.67	8.65	30.1	194	281	A	V
													V
													V
802.11a CH 44 5220MHz		5134.16	51.63	-22.37	74	41.27	31.83	8.63	30.1	202	291	P	H
		5148.98	42.1	-11.9	54	31.77	31.8	8.63	30.1	202	291	A	H
	*	5220	109.09	-	-	98.97	31.53	8.7	30.11	202	291	P	H
	*	5220	101.87	-	-	91.75	31.53	8.7	30.11	202	291	A	H
		5359.76	50.22	-23.78	74	39.92	31.4	9.02	30.12	202	291	P	H
		5453	42.03	-11.97	54	31.35	31.7	9.12	30.14	202	291	A	H
		5145.08	57.02	-16.98	74	46.69	31.8	8.63	30.1	200	307	P	V
		5145.6	42.41	-11.59	54	32.08	31.8	8.63	30.1	200	307	A	V
	*	5220	111.34	-	-	101.22	31.53	8.7	30.11	200	307	P	V
	*	5220	104.14	-	-	94.02	31.53	8.7	30.11	200	307	A	V
		5452.16	50.89	-23.11	74	40.21	31.7	9.12	30.14	200	307	P	V
		5452.72	43.89	-10.11	54	33.21	31.7	9.12	30.14	200	307	A	V

802.11a CH 48 5240MHz		5140.14	53.47	-20.53	74	43.14	31.8	8.63	30.1	204	292	P	H
		5145.6	41.53	-12.47	54	31.2	31.8	8.63	30.1	204	292	A	H
	*	5240	109.22	-	-	99.11	31.47	8.75	30.11	204	292	P	H
	*	5240	102.01	-	-	91.9	31.47	8.75	30.11	204	292	A	H
		5411.56	51.71	-22.29	74	41.1	31.63	9.11	30.13	204	292	P	H
		5352.48	42.07	-11.93	54	31.79	31.4	9	30.12	204	292	A	H
		5138.58	55.54	-18.46	74	45.18	31.83	8.63	30.1	198	283	P	V
		5145.6	42.4	-11.6	54	32.07	31.8	8.63	30.1	198	283	A	V
	*	5240	111.48	-	-	101.37	31.47	8.75	30.11	198	283	P	V
	*	5240	104.21	-	-	94.1	31.47	8.75	30.11	198	283	A	V
		5350.8	56.08	-17.92	74	45.8	31.4	9	30.12	198	283	P	V
		5452.72	43.68	-10.32	54	33	31.7	9.12	30.14	198	283	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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)
802.11a CH 36 5180MHz		10360	46.18	-22.02	68.2	54.83	39.37	13.33	61.35	100	0	P	H
		15540	46.29	-27.71	74	54.13	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	45.44	-22.76	68.2	54.09	39.37	13.33	61.35	100	0	P	V
		15540	46.44	-27.56	74	54.28	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.77	-22.43	68.2	54.35	39.53	13.38	61.49	100	0	P	H
		15660	46.34	-27.66	74	54.26	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	45.33	-22.87	68.2	53.91	39.53	13.38	61.49	100	0	P	V
		15660	44.79	-29.21	74	52.71	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.13	-22.07	68.2	54.71	39.58	13.4	61.56	100	0	P	H
		15720	46.56	-27.44	74	54.46	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	45.54	-22.66	68.2	54.12	39.58	13.4	61.56	100	0	P	V
		15720	45.03	-28.97	74	52.93	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	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)
802.11a CH 52 5260MHz		5098.94	50.77	-23.23	74	40.35	31.9	8.61	30.09	100	53	P	H
		5145.86	41.15	-12.85	54	30.82	31.8	8.63	30.1	100	53	A	H
	*	5260	107.65	-	-	97.56	31.4	8.8	30.11	100	53	P	H
	*	5260	100.32	-	-	90.23	31.4	8.8	30.11	100	53	A	H
		5362.08	52.29	-21.71	74	41.92	31.47	9.02	30.12	100	53	P	H
		5371.92	41.76	-12.24	54	31.36	31.47	9.05	30.12	100	53	A	H
		5007.14	50.94	-23.06	74	40.76	31.7	8.56	30.08	100	47	P	V
		5147.56	43.16	-10.84	54	32.83	31.8	8.63	30.1	100	47	A	V
	*	5260	112.15	-	-	102.06	31.4	8.8	30.11	100	47	P	V
	*	5260	104.72	-	-	94.63	31.4	8.8	30.11	100	47	A	V
		5359.68	56.63	-17.37	74	46.33	31.4	9.02	30.12	100	47	P	V
		5372.16	43.62	-10.38	54	33.22	31.47	9.05	30.12	100	47	A	V
802.11a CH 60 5300MHz		5098.26	51.28	-22.72	74	40.86	31.9	8.61	30.09	100	53	P	H
		5145.52	40.99	-13.01	54	30.66	31.8	8.63	30.1	100	53	A	H
	*	5300	107.79	-	-	97.62	31.4	8.89	30.12	100	53	P	H
	*	5300	100.49	-	-	90.32	31.4	8.89	30.12	100	53	A	H
		5352.48	57.69	-16.31	74	47.41	31.4	9	30.12	100	53	P	H
		5355.12	42.5	-11.5	54	32.21	31.4	9.01	30.12	100	53	A	H
		5041.48	51.09	-22.91	74	40.69	31.9	8.58	30.08	100	45	P	V
		5145.52	42.09	-11.91	54	31.76	31.8	8.63	30.1	100	45	A	V
	*	5300	112.09	-	-	101.92	31.4	8.89	30.12	100	45	P	V
	*	5300	104.59	-	-	94.42	31.4	8.89	30.12	100	45	A	V
		5363.76	62.63	-11.37	74	52.25	31.47	9.03	30.12	100	45	P	V
		5352.48	45.15	-8.85	54	34.87	31.4	9	30.12	100	45	A	V

802.11a CH 64 5320MHz	*	5320	107.71	-	-	97.5	31.4	8.93	30.12	100	53	P	H
	*	5320	100.44	-	-	90.23	31.4	8.93	30.12	100	53	A	H
		5352	61.8	-12.2	74	51.52	31.4	9	30.12	100	53	P	H
		5351.68	43.75	-10.25	54	33.47	31.4	9	30.12	100	53	A	H
													H
													H
	*	5320	112.37	-	-	102.16	31.4	8.93	30.12	101	45	P	V
	*	5320	104.98	-	-	94.77	31.4	8.93	30.12	101	45	A	V
		5356.64	65.32	-8.68	74	55.03	31.4	9.01	30.12	101	45	P	V
		5351.04	46.77	-7.23	54	36.49	31.4	9	30.12	101	45	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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)
802.11a CH 52 5260MHz		10520	47.62	-20.58	68.2	56.2	39.63	13.41	61.62	100	0	P	H
		15780	47.18	-26.82	74	54.9	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	46.85	-21.35	68.2	55.43	39.63	13.41	61.62	100	0	P	V
		15780	47.65	-26.35	74	55.37	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.58	-26.42	74	56.06	39.8	13.4	61.68	100	0	P	H
		15900	47	-27	74	54.67	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.23	-26.77	74	55.71	39.8	13.4	61.68	100	0	P	V
		15900	48.21	-25.79	74	55.88	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.41	-26.59	74	55.92	39.8	13.4	61.71	100	0	P	H
		15960	46.35	-27.65	74	54.01	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.43	-26.57	74	55.94	39.8	13.4	61.71	100	0	P	V
		15960	47.2	-26.8	74	54.86	36.93	17.17	61.76	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 802.11a (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)
802.11a CH 100 5500MHz		5459.76	59.41	-14.59	74	48.73	31.7	9.12	30.14	267	2	P	H
		5466.64	59.76	-8.44	68.2	49.08	31.7	9.12	30.14	267	2	P	H
		5452.72	42.97	-11.03	54	32.29	31.7	9.12	30.14	267	2	A	H
	*	5500	105.57	-	-	94.88	31.7	9.13	30.14	267	2	P	H
	*	5500	98.3	-	-	87.61	31.7	9.13	30.14	267	2	A	H
													H
		5457.36	65.73	-8.27	74	55.05	31.7	9.12	30.14	196	306	P	V
		5468.08	66.23	-1.97	68.2	55.55	31.7	9.12	30.14	196	306	P	V
		5458.48	46.72	-7.28	54	36.04	31.7	9.12	30.14	196	306	A	V
	*	5500	111.23	-	-	100.54	31.7	9.13	30.14	196	306	P	V
	*	5500	103.91	-	-	93.22	31.7	9.13	30.14	196	306	A	V
													V
802.11a CH 116 5580MHz		5454.64	50.31	-23.69	74	39.63	31.7	9.12	30.14	257	2	P	H
		5470	51.38	-16.82	68.2	40.7	31.7	9.12	30.14	257	2	P	H
		5452.72	41.96	-12.04	54	31.28	31.7	9.12	30.14	257	2	A	H
	*	5580	106.04	-	-	95.28	31.8	9.15	30.19	257	2	P	H
	*	5580	98.83	-	-	88.07	31.8	9.15	30.19	257	2	A	H
		5764.685	49.87	-18.33	68.2	38.64	32.07	9.45	30.29	257	2	P	H
		5456.08	54.66	-19.34	74	43.98	31.7	9.12	30.14	191	305	P	V
		5468.56	57.78	-10.42	68.2	47.1	31.7	9.12	30.14	191	305	P	V
		5452.72	44.5	-9.5	54	33.82	31.7	9.12	30.14	191	305	A	V
	*	5580	111.79	-	-	101.03	31.8	9.15	30.19	191	305	P	V
	*	5580	104.6	-	-	93.84	31.8	9.15	30.19	191	305	A	V
		5751.77	51.27	-16.93	68.2	40.04	32.07	9.43	30.27	191	305	P	V

802.11a CH 140 5700MHz	*	5700	103.16	-	-	92.27	31.8	9.34	30.25	239	2	P	H
	*	5700	95.84	-	-	84.95	31.8	9.34	30.25	239	2	A	H
		5726.92	58.43	-9.77	68.2	47.38	31.93	9.38	30.26	239	2	P	H
													H
													H
													H
	*	5700	109.81	-	-	98.92	31.8	9.34	30.25	195	330	P	V
	*	5700	102.53	-	-	91.64	31.8	9.34	30.25	195	330	A	V
		5729.64	66.55	-1.65	68.2	55.49	31.93	9.39	30.26	195	330	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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)
802.11a CH 100 5500MHz		11000	48.11	-25.89	74	56.27	40.4	13.44	62	100	0	P	H
		16500	46.59	-21.61	68.2	50.38	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	49.26	-24.74	74	57.42	40.4	13.44	62	100	0	P	V
		16500	46.31	-21.89	68.2	50.1	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	49.9	-24.1	74	57.98	39.93	13.67	61.68	100	0	P	H
		16740	48.07	-20.13	68.2	50.51	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	48.52	-25.48	74	56.6	39.93	13.67	61.68	100	0	P	V
		16740	49.05	-19.15	68.2	51.49	39.78	17.48	59.7	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.73	-26.27	74	54.96	40	13.97	61.2	100	0	P	H
		17100	49.82	-18.38	68.2	51.34	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	47.91	-26.09	74	55.14	40	13.97	61.2	100	0	P	V
		17100	49.71	-18.49	68.2	51.23	40.5	17.66	59.68	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (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)
		30.97	22.93	-17.07	40	30.06	24.81	0.68	32.62	-	-	P	H
		88.2	20.89	-22.61	43.5	37.74	14.44	1.14	32.53	-	-	P	H
		256.98	21.35	-24.65	46	32.26	19.52	1.92	32.52	-	-	P	H
		393.75	25.58	-20.42	46	34.01	21.65	2.39	32.55	-	-	P	H
		565.44	27.66	-18.34	46	30.88	26.39	2.81	32.59	-	-	P	H
		896.21	33.7	-12.3	46	32.83	28.82	3.51	31.67	100	0	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30.97	22.99	-17.01	40	30.12	24.81	0.68	32.62	-	-	P	V
		134.76	17.29	-26.21	43.5	30.62	17.7	1.39	32.5	-	-	P	V
		223.03	28.11	-17.89	46	43.16	15.54	1.79	32.5	-	-	P	V
		468.44	25.04	-20.96	46	31.48	23.47	2.55	32.56	-	-	P	V
		702.21	28.73	-17.27	46	31.18	26.7	3.13	32.4	-	-	P	V
		865.17	31.1	-14.9	46	30.17	29.1	3.47	31.84	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 802.11a (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.12	64.65	-9.35	74	54.32	31.8	8.63	30.1	100	125	P	H
		5148.98	47.5	-6.5	54	37.17	31.8	8.63	30.1	100	125	A	H
	*	5180	110.56	-	-	100.34	31.67	8.65	30.1	100	125	P	H
	*	5180	103.23	-	-	93.01	31.67	8.65	30.1	100	125	A	H
													H
													H
		5147.42	62.99	-11.01	74	52.66	31.8	8.63	30.1	100	199	P	V
		5150	45.69	-8.31	54	35.35	31.8	8.64	30.1	100	199	A	V
	*	5180	108.28	-	-	98.06	31.67	8.65	30.1	100	199	P	V
	*	5180	101	-	-	90.78	31.67	8.65	30.1	100	199	A	V
													V
													V
802.11a CH 44 5220MHz		5150	60.25	-13.75	74	49.91	31.8	8.64	30.1	100	124	P	H
		5149.76	42.63	-11.37	54	32.3	31.8	8.63	30.1	100	124	A	H
	*	5220	110.2	-	-	100.08	31.53	8.7	30.11	100	124	P	H
	*	5220	102.87	-	-	92.75	31.53	8.7	30.11	100	124	A	H
		5360.88	53.44	-20.56	74	43.07	31.47	9.02	30.12	100	124	P	H
		5352.76	41.41	-12.59	54	31.13	31.4	9	30.12	100	124	A	H
		5147.16	57.58	-16.42	74	47.25	31.8	8.63	30.1	100	309	P	V
		5147.94	41.42	-12.58	54	31.09	31.8	8.63	30.1	100	309	A	V
	*	5220	108.71	-	-	98.59	31.53	8.7	30.11	100	309	P	V
	*	5220	101.42	-	-	91.3	31.53	8.7	30.11	100	309	A	V
		5356.4	52.73	-21.27	74	42.44	31.4	9.01	30.12	100	309	P	V
		5396.44	40.88	-13.12	54	30.31	31.6	9.1	30.13	100	309	A	V

802.11a CH 48 5240MHz		5149.24	56.92	-17.08	74	46.59	31.8	8.63	30.1	100	124	P	H
		5148.72	41.57	-12.43	54	31.24	31.8	8.63	30.1	100	124	A	H
	*	5240	110.46	-	-	100.35	31.47	8.75	30.11	100	124	P	H
	*	5240	103.2	-	-	93.09	31.47	8.75	30.11	100	124	A	H
		5361.72	57.25	-16.75	74	46.88	31.47	9.02	30.12	100	124	P	H
		5352.76	43.94	-10.06	54	33.66	31.4	9	30.12	100	124	A	H
		5148.46	55.42	-18.58	74	45.09	31.8	8.63	30.1	100	309	P	V
		5128.18	41.13	-12.87	54	30.78	31.83	8.62	30.1	100	309	A	V
	*	5240	108.8	-	-	98.69	31.47	8.75	30.11	100	309	P	V
	*	5240	101.48	-	-	91.37	31.47	8.75	30.11	100	309	A	V
		5354.16	56.15	-17.85	74	45.86	31.4	9.01	30.12	100	309	P	V
		5351.92	42.18	-11.82	54	31.9	31.4	9	30.12	100	309	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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)
802.11a CH 36 5180MHz		10360	45.46	-22.74	68.2	54.11	39.37	13.33	61.35	100	0	P	H
		15540	44.63	-29.37	74	52.47	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	44.86	-23.34	68.2	53.51	39.37	13.33	61.35	100	0	P	V
		15540	44.49	-29.51	74	52.33	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	45.52	-22.68	68.2	54.1	39.53	13.38	61.49	100	0	P	H
		15660	43.42	-30.58	74	51.34	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	46.04	-22.16	68.2	54.62	39.53	13.38	61.49	100	0	P	V
		15660	44.03	-29.97	74	51.95	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.58	-22.62	68.2	54.16	39.58	13.4	61.56	100	0	P	H
		15720	43.94	-30.06	74	51.84	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	46.32	-21.88	68.2	54.9	39.58	13.4	61.56	100	0	P	V
		15720	44.41	-29.59	74	52.31	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5148.24	50.47	-23.53	74	40.14	31.8	8.63	30.1	253	119	P	H
		5147.56	41.46	-12.54	54	31.13	31.8	8.63	30.1	253	119	A	H
	*	5260	111.37	-	-	101.28	31.4	8.8	30.11	253	119	P	H
	*	5260	103.78	-	-	93.69	31.4	8.8	30.11	253	119	A	H
		5357.76	51.39	-22.61	74	41.1	31.4	9.01	30.12	253	119	P	H
		5372.4	43.68	-10.32	54	33.28	31.47	9.05	30.12	253	119	A	H
		5020.06	50.69	-23.31	74	40.5	31.7	8.57	30.08	100	204	P	V
		5146.88	41.12	-12.88	54	30.79	31.8	8.63	30.1	100	204	A	V
	*	5260	108.53	-	-	98.44	31.4	8.8	30.11	100	204	P	V
	*	5260	101.21	-	-	91.12	31.4	8.8	30.11	100	204	A	V
		5394.72	51.71	-22.29	74	41.14	31.6	9.1	30.13	100	204	P	V
		5372.16	42.38	-11.62	54	31.98	31.47	9.05	30.12	100	204	A	V
802.11a CH 60 5300MHz		5086.02	49.9	-24.1	74	39.49	31.9	8.6	30.09	253	119	P	H
		5065.28	41.07	-12.93	54	30.67	31.9	8.59	30.09	253	119	A	H
	*	5300	111.42	-	-	101.25	31.4	8.89	30.12	253	119	P	H
	*	5300	104.11	-	-	93.94	31.4	8.89	30.12	253	119	A	H
		5354.4	52.86	-21.14	74	42.57	31.4	9.01	30.12	253	119	P	H
		5354.64	44.38	-9.62	54	34.09	31.4	9.01	30.12	253	119	A	H
		5073.78	50.15	-23.85	74	39.74	31.9	8.6	30.09	100	207	P	V
		5092.14	40.99	-13.01	54	30.57	31.9	8.61	30.09	100	207	A	V
	*	5300	108.1	-	-	97.93	31.4	8.89	30.12	100	207	P	V
	*	5300	100.82	-	-	90.65	31.4	8.89	30.12	100	207	A	V
		5357.28	51.06	-22.94	74	40.77	31.4	9.01	30.12	100	207	P	V
		5351.76	43.12	-10.88	54	32.84	31.4	9	30.12	100	207	A	V

802.11a CH 64 5320MHz	*	5320	110.86	-	-	100.65	31.4	8.93	30.12	221	118	P	H
	*	5320	103.58	-	-	93.37	31.4	8.93	30.12	221	118	A	H
		5365.6	53.76	-20.24	74	43.38	31.47	9.03	30.12	221	118	P	H
		5351.84	45.03	-8.97	54	34.75	31.4	9	30.12	221	118	A	H
													H
													H
	*	5320	108.02	-	-	97.81	31.4	8.93	30.12	100	206	P	V
	*	5320	100.74	-	-	90.53	31.4	8.93	30.12	100	206	A	V
		5350.08	51.83	-22.17	74	41.55	31.4	9	30.12	100	206	P	V
		5353.76	43.46	-10.54	54	33.17	31.4	9.01	30.12	100	206	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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)
802.11a CH 52 5260MHz		10520	46.41	-21.79	68.2	54.99	39.63	13.41	61.62	100	0	P	H
		15780	46.38	-27.62	74	54.1	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	46.65	-21.55	68.2	55.23	39.63	13.41	61.62	100	0	P	V
		15780	46.02	-27.98	74	53.74	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.13	-26.87	74	55.61	39.8	13.4	61.68	100	0	P	H
		15900	45.67	-28.33	74	53.34	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.74	-26.26	74	56.22	39.8	13.4	61.68	100	0	P	V
		15900	44.58	-29.42	74	52.25	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.07	-25.93	74	56.58	39.8	13.4	61.71	100	0	P	H
		15960	44.85	-29.15	74	52.51	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.1	-26.9	74	55.61	39.8	13.4	61.71	100	0	P	V
		15960	45.31	-28.69	74	52.97	36.93	17.17	61.76	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 802.11a (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5449.2	55.32	-18.68	74	44.63	31.7	9.12	30.13	238	111	P	H
		5464.56	56.74	-11.46	68.2	46.06	31.7	9.12	30.14	238	111	P	H
		5454.8	45.07	-8.93	54	34.39	31.7	9.12	30.14	238	111	A	H
	*	5500	109.87	-	-	99.18	31.7	9.13	30.14	238	111	P	H
	*	5500	102.43	-	-	91.74	31.7	9.13	30.14	238	111	A	H
													H
		5444.24	53.25	-20.75	74	42.59	31.67	9.12	30.13	100	214	P	V
		5468.88	53.7	-14.5	68.2	43.02	31.7	9.12	30.14	100	214	P	V
		5456.72	43.81	-10.19	54	33.13	31.7	9.12	30.14	100	214	A	V
	*	5500	107.84	-	-	97.15	31.7	9.13	30.14	100	214	P	V
	*	5500	100.52	-	-	89.83	31.7	9.13	30.14	100	214	A	V
													V
802.11a CH 116 5580MHz		5426.32	52.36	-21.64	74	41.74	31.63	9.12	30.13	236	116	P	H
		5467.84	51.45	-16.75	68.2	40.77	31.7	9.12	30.14	236	116	P	H
		5452.48	42.75	-11.25	54	32.07	31.7	9.12	30.14	236	116	A	H
	*	5580	110.27	-	-	99.51	31.8	9.15	30.19	236	116	P	H
	*	5580	102.72	-	-	91.96	31.8	9.15	30.19	236	116	A	H
		5757.755	50.9	-17.3	68.2	39.68	32.07	9.44	30.29	236	116	P	H
		5396.56	50.77	-23.23	74	40.2	31.6	9.1	30.13	100	220	P	V
		5467.84	51.03	-17.17	68.2	40.35	31.7	9.12	30.14	100	220	P	V
		5452	41.74	-12.26	54	31.06	31.7	9.12	30.14	100	220	A	V
	*	5580	106.53	-	-	95.77	31.8	9.15	30.19	100	220	P	V
	*	5580	99.16	-	-	88.4	31.8	9.15	30.19	100	220	A	V
		5748.62	51.2	-17	68.2	40.05	32	9.42	30.27	100	220	P	V

802.11a CH 140 5700MHz	*	5700	108.49	-	-	97.6	31.8	9.34	30.25	244	121	P	H
	*	5700	101.22	-	-	90.33	31.8	9.34	30.25	244	121	A	H
		5726.12	54.33	-13.87	68.2	43.28	31.93	9.38	30.26	244	121	P	H
													H
													H
													H
	*	5700	105.54	-	-	94.65	31.8	9.34	30.25	100	211	P	V
	*	5700	98.18	-	-	87.29	31.8	9.34	30.25	100	211	A	V
		5725.48	53.8	-14.4	68.2	42.75	31.93	9.38	30.26	100	211	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 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)
802.11a CH 100 5500MHz		11000	47.48	-26.52	74	55.64	40.4	13.44	62	100	0	P	H
		16500	46.94	-21.26	68.2	50.73	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	48.52	-25.48	74	56.68	40.4	13.44	62	100	0	P	V
		16500	48.09	-20.11	68.2	51.88	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.45	-25.55	74	56.53	39.93	13.67	61.68	100	0	P	H
		16740	48.24	-19.96	68.2	50.68	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	47.6	-26.4	74	55.68	39.93	13.67	61.68	100	0	P	V
		16740	48.99	-19.21	68.2	51.43	39.78	17.48	59.7	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.33	-26.67	74	54.56	40	13.97	61.2	100	0	P	H
		17100	49.21	-18.99	68.2	50.73	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	47.34	-26.66	74	54.57	40	13.97	61.2	100	0	P	V
		17100	49.56	-18.64	68.2	51.08	40.5	17.66	59.68	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (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.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30.97	24.5	-15.5	40	31.63	24.81	0.68	32.62	-	-	P	H
		100.81	18.89	-24.61	43.5	34.02	16.08	1.22	32.51	-	-	P	H
		265.71	20.79	-25.21	46	31.31	19.86	1.95	32.52	-	-	P	H
		357.86	23.35	-22.65	46	32.92	20.66	2.24	32.55	-	-	P	H
		570.29	27.19	-18.81	46	30.5	26.29	2.82	32.59	-	-	P	H
		896.21	32.71	-13.29	46	31.84	28.82	3.51	31.67	100	0	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30.97	23.12	-16.88	40	30.25	24.81	0.68	32.62	-	-	P	V
		120.21	17.43	-26.07	43.5	31.07	17.5	1.31	32.51	-	-	P	V
		220.12	22.96	-23.04	46	38.25	15.31	1.78	32.5	-	-	P	V
		360.77	24.19	-21.81	46	33.67	20.72	2.26	32.55	-	-	P	V
		563.5	27.56	-18.44	46	30.8	26.37	2.8	32.59	-	-	P	V
		903.97	33.6	-12.4	46	32.43	29.06	3.53	31.62	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)
		5146.38	53.84	-20.16	74	43.51	31.8	8.63	30.1	135	163	P	H
		5145.86	45.61	-8.39	54	35.28	31.8	8.63	30.1	135	163	A	H
	*	5180	111.65	-	-	101.43	31.67	8.65	30.1	135	163	P	H
	*	5180	104.05	-	-	93.83	31.67	8.65	30.1	135	163	A	H
802.11n													H
HT20													H
CH 36		5149.24	53.01	-20.99	74	42.68	31.8	8.63	30.1	100	67	P	V
5180MHz		5142.74	44.23	-9.77	54	33.9	31.8	8.63	30.1	100	67	A	V
	*	5180	111.97	-	-	101.75	31.67	8.65	30.1	100	67	P	V
	*	5180	104.57	-	-	94.35	31.67	8.65	30.1	100	67	A	V
													V
													V
		5026.26	50.46	-23.54	74	40.17	31.8	8.57	30.08	100	48	P	H
		5108.16	41.93	-12.07	54	31.54	31.87	8.61	30.09	100	48	A	H
	*	5220	111.68	-	-	101.56	31.53	8.7	30.11	100	48	P	H
	*	5220	104.12	-	-	94	31.53	8.7	30.11	100	48	A	H
802.11n		5459.16	50.66	-23.34	74	39.98	31.7	9.12	30.14	100	48	P	H
HT20		5452.72	41.29	-12.71	54	30.61	31.7	9.12	30.14	100	48	A	H
CH 44		5123.24	49.89	-24.11	74	39.54	31.83	8.62	30.1	100	61	P	V
5220MHz		5145.34	40.99	-13.01	54	30.66	31.8	8.63	30.1	100	61	A	V
	*	5220	111.56	-	-	101.44	31.53	8.7	30.11	100	61	P	V
	*	5220	104.18	-	-	94.06	31.53	8.7	30.11	100	61	A	V
		5442.08	49.49	-24.51	74	38.83	31.67	9.12	30.13	100	61	P	V
		5393.08	41	-13	54	30.51	31.53	9.09	30.13	100	61	A	V

		5014.3	50.05	-23.95	74	39.86	31.7	8.57	30.08	100	47	P	H
		5128.18	41.71	-12.29	54	31.36	31.83	8.62	30.1	100	47	A	H
	*	5240	111.61	-	-	101.5	31.47	8.75	30.11	100	47	P	H
	*	5240	104.08	-	-	93.97	31.47	8.75	30.11	100	47	A	H
802.11n		5444.32	49.85	-24.15	74	39.19	31.67	9.12	30.13	100	47	P	H
HT20		5452.72	41.34	-12.66	54	30.66	31.7	9.12	30.14	100	47	A	H
CH 48		5034.32	50.37	-23.63	74	40.07	31.8	8.58	30.08	100	60	P	V
5240MHz		5089.96	40.75	-13.25	54	30.34	31.9	8.6	30.09	100	60	A	V
	*	5240	111.2	-	-	101.09	31.47	8.75	30.11	100	60	P	V
	*	5240	103.77	-	-	93.66	31.47	8.75	30.11	100	60	A	V
		5351.64	50.16	-23.84	74	39.88	31.4	9	30.12	100	60	P	V
		5351.64	42.68	-11.32	54	32.4	31.4	9	30.12	100	60	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	45.09	-23.11	68.2	53.74	39.37	13.33	61.35	100	0	P	H
		15540	47.97	-26.03	74	55.81	37.93	16.67	62.44	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	45.43	-22.77	68.2	54.08	39.37	13.33	61.35	100	0	P	V
5180MHz		15540	45.32	-28.68	74	53.16	37.93	16.67	62.44	100	0	P	V
													V
													V
		10440	46.6	-21.6	68.2	55.18	39.53	13.38	61.49	100	0	P	H
		15660	46.7	-27.3	74	54.62	37.45	16.87	62.24	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	45.5	-22.7	68.2	54.08	39.53	13.38	61.49	100	0	P	V
5220MHz		15660	44.13	-29.87	74	52.05	37.45	16.87	62.24	100	0	P	V
													V
													V
		10480	45.6	-22.6	68.2	54.18	39.58	13.4	61.56	100	0	P	H
		15720	44.93	-29.07	74	52.83	37.3	16.95	62.15	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	47.06	-21.14	68.2	55.64	39.58	13.4	61.56	100	0	P	V
5240MHz		15720	45.4	-28.6	74	53.3	37.3	16.95	62.15	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)
		5150	61.49	-12.51	74	51.15	31.8	8.64	30.1	108	48	P	H
		5150	53.01	-0.99	54	42.67	31.8	8.64	30.1	108	48	A	H
	*	5190	108.98	-	-	98.76	31.67	8.65	30.1	108	48	P	H
	*	5190	101.06	-	-	90.84	31.67	8.65	30.1	108	48	A	H
802.11n		5413.24	52.62	-21.38	74	42.01	31.63	9.11	30.13	108	48	P	H
HT40		5412.68	44.48	-9.52	54	33.87	31.63	9.11	30.13	108	48	A	H
CH 38		5150	61.36	-12.64	74	51.02	31.8	8.64	30.1	100	62	P	V
5190MHz		5150	53.01	-0.99	54	42.67	31.8	8.64	30.1	100	62	A	V
	*	5190	107.89	-	-	97.67	31.67	8.65	30.1	100	62	P	V
	*	5190	100.51	-	-	90.29	31.67	8.65	30.1	100	62	A	V
		5422.48	51.61	-22.39	74	41	31.63	9.11	30.13	100	62	P	V
		5418.56	41.39	-12.61	54	30.78	31.63	9.11	30.13	100	62	A	V
		5127.4	56.97	-17.03	74	46.62	31.83	8.62	30.1	100	48	P	H
		5126.88	49.59	-4.41	54	39.24	31.83	8.62	30.1	100	48	A	H
	*	5230	109.4	-	-	99.31	31.47	8.73	30.11	100	48	P	H
	*	5230	101.89	-	-	91.8	31.47	8.73	30.11	100	48	A	H
802.11n		5366.2	53.76	-20.24	74	43.38	31.47	9.03	30.12	100	48	P	H
HT40		5362.84	44.9	-9.1	54	34.52	31.47	9.03	30.12	100	48	A	H
CH 46		5147.94	56.79	-17.21	74	46.46	31.8	8.63	30.1	112	218	P	V
5230MHz		5127.66	45.42	-8.58	54	35.07	31.83	8.62	30.1	112	218	A	V
	*	5230	109.94	-	-	99.85	31.47	8.73	30.11	112	218	P	V
	*	5230	102.12	-	-	92.03	31.47	8.73	30.11	112	218	A	V
		5352.2	57.95	-16.05	74	47.67	31.4	9	30.12	112	218	P	V
		5452.44	44.71	-9.29	54	34.03	31.7	9.12	30.14	112	218	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 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)
		10380	46.37	-21.83	68.2	54.98	39.43	13.34	61.38	100	0	P	H
		15570	45.41	-28.59	74	53.3	37.77	16.73	62.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.29	-22.91	68.2	53.9	39.43	13.34	61.38	100	0	P	V
5190MHz		15570	44.17	-29.83	74	52.06	37.77	16.73	62.39	100	0	P	V
													V
													V
		10460	45.55	-22.65	68.2	54.14	39.55	13.39	61.53	100	0	P	H
		15690	44.25	-29.75	74	52.18	37.35	16.92	62.2	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	45.47	-22.73	68.2	54.06	39.55	13.39	61.53	100	0	P	V
5230MHz		15690	44.09	-29.91	74	52.02	37.35	16.92	62.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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		5147.16	59.45	-14.55	74	49.12	31.8	8.63	30.1	100	48	P	H
		5147.42	52.88	-1.12	54	42.55	31.8	8.63	30.1	100	48	A	H
	*	5210	104	-	-	93.9	31.53	8.68	30.11	100	48	P	H
	*	5210	96.71	-	-	86.61	31.53	8.68	30.11	100	48	A	H
		5432.84	51.49	-22.51	74	40.83	31.67	9.12	30.13	100	48	P	H
		5452.44	41.78	-12.22	54	31.1	31.7	9.12	30.14	100	48	A	H
		5149.24	60.85	-13.15	74	50.52	31.8	8.63	30.1	100	214	P	V
		5149.76	51.69	-2.31	54	41.36	31.8	8.63	30.1	100	214	A	V
	*	5210	104.32	-	-	94.22	31.53	8.68	30.11	100	214	P	V
	*	5210	96.95	-	-	86.85	31.53	8.68	30.11	100	214	A	V
		5379.36	50.81	-23.19	74	40.35	31.53	9.06	30.13	100	214	P	V
		5388.32	41.9	-12.1	54	31.42	31.53	9.08	30.13	100	214	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 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)
		10420	46.18	-22.02	68.2	54.76	39.52	13.36	61.46	100	0	P	H
		15630	44.5	-29.5	74	52.47	37.5	16.82	62.29	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	44.63	-23.57	68.2	53.21	39.52	13.36	61.46	100	0	P	V
5210MHz		15630	44.75	-29.25	74	52.72	37.5	16.82	62.29	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	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)
		5051.34	50.52	-23.48	74	40.12	31.9	8.59	30.09	100	48	P	H
		5148.58	41.66	-12.34	54	31.33	31.8	8.63	30.1	100	48	A	H
	*	5260	110.7	-	-	100.61	31.4	8.8	30.11	100	48	P	H
	*	5260	103.39	-	-	93.3	31.4	8.8	30.11	100	48	A	H
802.11n		5352	50.39	-23.61	74	40.11	31.4	9	30.12	100	48	P	H
HT20		5373.12	41.75	-12.25	54	31.35	31.47	9.05	30.12	100	48	A	H
CH 52		5014.96	50.5	-23.5	74	40.31	31.7	8.57	30.08	100	55	P	V
5260MHz		5139.74	41.23	-12.77	54	30.9	31.8	8.63	30.1	100	55	A	V
	*	5260	110.48	-	-	100.39	31.4	8.8	30.11	100	55	P	V
	*	5260	102.94	-	-	92.85	31.4	8.8	30.11	100	55	A	V
		5369.04	50.61	-23.39	74	40.22	31.47	9.04	30.12	100	55	P	V
		5371.44	42.83	-11.17	54	32.43	31.47	9.05	30.12	100	55	A	V
		5139.4	50.12	-23.88	74	39.76	31.83	8.63	30.1	100	18	P	H
		5145.52	41.12	-12.88	54	30.79	31.8	8.63	30.1	100	18	A	H
	*	5300	111.7	-	-	101.53	31.4	8.89	30.12	100	18	P	H
	*	5300	104.41	-	-	94.24	31.4	8.89	30.12	100	18	A	H
802.11n		5373.12	51.08	-22.92	74	40.68	31.47	9.05	30.12	100	18	P	H
HT20		5350.56	42.63	-11.37	54	32.35	31.4	9	30.12	100	18	A	H
CH 60		5102	50.54	-23.46	74	40.12	31.9	8.61	30.09	100	54	P	V
5300MHz		5044.2	41	-13	54	30.61	31.9	8.58	30.09	100	54	A	V
	*	5300	111.89	-	-	101.72	31.4	8.89	30.12	100	54	P	V
	*	5300	104.23	-	-	94.06	31.4	8.89	30.12	100	54	A	V
		5362.08	51.78	-22.22	74	41.41	31.47	9.02	30.12	100	54	P	V
		5411.52	42.82	-11.18	54	32.21	31.63	9.11	30.13	100	54	A	V

	*	5320	112.47	-	-	102.26	31.4	8.93	30.12	100	359	P	H
	*	5320	105.15	-	-	94.94	31.4	8.93	30.12	100	359	A	H
		5355.52	53.75	-20.25	74	43.46	31.4	9.01	30.12	100	359	P	H
		5356.16	45.02	-8.98	54	34.73	31.4	9.01	30.12	100	359	A	H
802.11n													H
HT20													H
CH 64	*	5320	112.44	-	-	102.23	31.4	8.93	30.12	100	211	P	V
5320MHz	*	5320	104.79	-	-	94.58	31.4	8.93	30.12	100	211	A	V
		5358.24	53.86	-20.14	74	43.56	31.4	9.02	30.12	100	211	P	V
		5356.64	45	-9	54	34.71	31.4	9.01	30.12	100	211	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	46.79	-21.41	68.2	55.37	39.63	13.41	61.62	100	0	P	H
		15780	49.37	-24.63	74	57.09	37.3	17.03	62.05	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	47.59	-20.61	68.2	56.17	39.63	13.41	61.62	100	0	P	V
5260MHz		15780	46.1	-27.9	74	53.82	37.3	17.03	62.05	100	0	P	V
													V
													V
		10600	47.03	-26.97	74	55.51	39.8	13.4	61.68	100	0	P	H
		15900	51.53	-22.47	74	59.2	37	17.19	61.86	192	31	P	H
802.11n		15900	39.57	-14.43	54	47.24	37	17.19	61.86	192	31	A	H
HT20													H
CH 60		10600	47.46	-26.54	74	55.94	39.8	13.4	61.68	100	0	P	V
5300MHz		15900	51.12	-22.88	74	58.79	37	17.19	61.86	203	8	P	V
		15900	39.32	-14.68	54	46.99	37	17.19	61.86	203	8	A	V
													V
		10640	48.57	-25.43	74	57.08	39.8	13.4	61.71	100	0	P	H
		15960	51.83	-22.17	74	59.49	36.93	17.17	61.76	201	16	P	H
802.11n		15960	41.05	-12.95	54	48.71	36.93	17.17	61.76	201	16	A	H
HT20													H
CH 64		10640	48.05	-25.95	74	56.56	39.8	13.4	61.71	100	0	P	V
5320MHz		15960	46.81	-27.19	74	54.47	36.93	17.17	61.76	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)
		5142.46	50.43	-23.57	74	40.1	31.8	8.63	30.1	100	2	P	H
		5133.28	42.07	-11.93	54	31.71	31.83	8.63	30.1	100	2	A	H
	*	5270	109.34	-	-	99.23	31.4	8.82	30.11	100	2	P	H
	*	5270	101.95	-	-	91.84	31.4	8.82	30.11	100	2	A	H
802.11n		5351.28	59.29	-14.71	74	49.01	31.4	9	30.12	100	2	P	H
HT40		5372.16	49.29	-4.71	54	38.89	31.47	9.05	30.12	100	2	A	H
CH 54		5133.62	50.85	-23.15	74	40.49	31.83	8.63	30.1	100	213	P	V
5270MHz		5133.62	42.84	-11.16	54	32.48	31.83	8.63	30.1	100	213	A	V
	*	5270	109.96	-	-	99.85	31.4	8.82	30.11	100	213	P	V
	*	5270	102.19	-	-	92.08	31.4	8.82	30.11	100	213	A	V
		5353.2	61.1	-12.9	74	50.82	31.4	9	30.12	100	213	P	V
		5372.88	52.42	-1.58	54	42.02	31.47	9.05	30.12	100	213	A	V
		5010.2	50.13	-23.87	74	39.94	31.7	8.57	30.08	100	47	P	H
		5145.52	41.24	-12.76	54	30.91	31.8	8.63	30.1	100	47	A	H
	*	5310	107.89	-	-	97.7	31.4	8.91	30.12	100	47	P	H
	*	5310	100.21	-	-	90.02	31.4	8.91	30.12	100	47	A	H
802.11n		5351.52	65.13	-8.87	74	54.85	31.4	9	30.12	100	47	P	H
HT40		5350.32	51.34	-2.66	54	41.06	31.4	9	30.12	100	47	A	H
CH 62		5043.52	52.94	-21.06	74	42.55	31.9	8.58	30.09	100	64	P	V
5310MHz		5087.04	42	-12	54	31.59	31.9	8.6	30.09	100	64	A	V
	*	5310	107.41	-	-	97.22	31.4	8.91	30.12	100	64	P	V
	*	5310	100.09	-	-	89.9	31.4	8.91	30.12	100	64	A	V
		5353.2	62.24	-11.76	74	51.96	31.4	9	30.12	100	64	P	V
		5350.08	48.83	-5.17	54	38.55	31.4	9	30.12	100	64	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 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)
		10540	46.47	-21.73	68.2	55.02	39.67	13.41	61.63	100	0	P	H
		15810	45.63	-28.37	74	53.25	37.3	17.08	62	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	47.03	-21.17	68.2	55.58	39.67	13.41	61.63	100	0	P	V
5270MHz		15810	45.48	-28.52	74	53.1	37.3	17.08	62	100	0	P	V
													V
													V
		10620	47.36	-26.64	74	55.85	39.8	13.41	61.7	100	0	P	H
		15930	45.23	-28.77	74	52.88	36.97	17.19	61.81	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	46.93	-27.07	74	55.42	39.8	13.41	61.7	100	0	P	V
5310MHz		15930	44.89	-29.11	74	52.54	36.97	17.19	61.81	100	0	P	V
													V
													V

Remark

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

Band 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		5028.9	50.38	-23.62	74	40.09	31.8	8.57	30.08	100	3	P	H
		5145.18	41.98	-12.02	54	31.65	31.8	8.63	30.1	100	3	A	H
	*	5290	104.23	-	-	94.08	31.4	8.86	30.11	100	3	P	H
	*	5290	96.8	-	-	86.65	31.4	8.86	30.11	100	3	A	H
		5350.56	60.66	-13.34	74	50.38	31.4	9	30.12	100	3	P	H
		5350.08	53.16	-0.84	54	42.88	31.4	9	30.12	100	3	A	H
		5065.96	50.67	-23.33	74	40.27	31.9	8.59	30.09	100	56	P	V
		5093.16	42	-12	54	31.58	31.9	8.61	30.09	100	56	A	V
	*	5290	103.93	-	-	93.78	31.4	8.86	30.11	100	56	P	V
	*	5290	96.5	-	-	86.35	31.4	8.86	30.11	100	56	A	V
		5353.68	60	-14	74	49.71	31.4	9.01	30.12	100	56	P	V
		5355.84	51.74	-2.26	54	41.45	31.4	9.01	30.12	100	56	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+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)
		10580	46.39	-21.81	68.2	54.87	39.77	13.41	61.66	100	0	P	H
		15870	45.07	-28.93	74	52.76	37.06	17.16	61.91	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.74	-21.46	68.2	55.22	39.77	13.41	61.66	100	0	P	V
5290MHz		15870	46.05	-27.95	74	53.74	37.06	17.16	61.91	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	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)
		5459.28	64.24	-9.76	74	53.56	31.7	9.12	30.14	100	50	P	H
		5469.84	65.7	-2.5	68.2	55.02	31.7	9.12	30.14	100	50	P	H
		5453.04	45.33	-8.67	54	34.65	31.7	9.12	30.14	100	50	A	H
	*	5500	109.78	-	-	99.09	31.7	9.13	30.14	100	50	P	H
802.11n	*	5500	102.27	-	-	91.58	31.7	9.13	30.14	100	50	A	H
HT20													H
CH 100		5455.76	56.62	-17.38	74	45.94	31.7	9.12	30.14	378	69	P	V
5500MHz		5469.2	59.69	-8.51	68.2	49.01	31.7	9.12	30.14	378	69	P	V
		5459.28	41.68	-12.32	54	31	31.7	9.12	30.14	378	69	A	V
	*	5500	107.35	-	-	96.66	31.7	9.13	30.14	378	69	P	V
	*	5500	99.4	-	-	88.71	31.7	9.13	30.14	378	69	A	V
													V
		5453.2	52.46	-21.54	74	41.78	31.7	9.12	30.14	100	187	P	H
		5464.48	52.24	-15.96	68.2	41.56	31.7	9.12	30.14	100	187	P	H
		5452.72	43.12	-10.88	54	32.44	31.7	9.12	30.14	100	187	A	H
	*	5580	111.41	-	-	100.65	31.8	9.15	30.19	100	187	P	H
802.11n	*	5580	104.08	-	-	93.32	31.8	9.15	30.19	100	187	A	H
HT20		5737.595	51.5	-16.7	68.2	40.37	32	9.4	30.27	100	187	P	H
CH 116		5367.76	51.69	-22.31	74	41.3	31.47	9.04	30.12	305	105	P	V
5580MHz		5469.04	52.4	-15.8	68.2	41.72	31.7	9.12	30.14	305	105	P	V
		5459.92	41.56	-12.44	54	30.88	31.7	9.12	30.14	305	105	A	V
	*	5580	108.71	-	-	97.95	31.8	9.15	30.19	305	105	P	V
	*	5580	100.87	-	-	90.11	31.8	9.15	30.19	305	105	A	V
		5763.74	51.22	-16.98	68.2	39.99	32.07	9.45	30.29	305	105	P	V

	*	5700	109.48	-	-	98.59	31.8	9.34	30.25	100	195	P	H
	*	5700	101.98	-	-	91.09	31.8	9.34	30.25	100	195	A	H
		5726.84	66.26	-1.94	68.2	55.21	31.93	9.38	30.26	100	195	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	106.47	-	-	95.58	31.8	9.34	30.25	100	104	P	V
5700MHz	*	5700	98.74	-	-	87.85	31.8	9.34	30.25	100	104	A	V
		5727.08	63.29	-4.91	68.2	52.23	31.93	9.39	30.26	100	104	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	48.12	-25.88	74	56.28	40.4	13.44	62	100	0	P	H
		16500	48.25	-19.95	68.2	52.04	38.6	17.21	59.6	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	48.56	-25.44	74	56.72	40.4	13.44	62	100	0	P	V
5500MHz		16500	48.22	-19.98	68.2	52.01	38.6	17.21	59.6	100	0	P	V
													V
													V
		11160	48.82	-25.18	74	56.9	39.93	13.67	61.68	100	0	P	H
		16740	51.41	-16.79	68.2	53.85	39.78	17.48	59.7	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	53.46	-20.54	74	61.54	39.93	13.67	61.68	107	339	P	V
5580MHz		11160	41.63	-12.37	54	49.71	39.93	13.67	61.68	107	339	A	V
		16740	50.02	-18.18	68.2	52.46	39.78	17.48	59.7	100	0	P	V
													V
		11400	49.51	-24.49	74	56.74	40	13.97	61.2	100	0	P	H
		17100	50.47	-17.73	68.2	51.99	40.5	17.66	59.68	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	47.31	-26.69	74	54.54	40	13.97	61.2	100	0	P	V
5700MHz		17100	50.02	-18.18	68.2	51.54	40.5	17.66	59.68	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)
		5459.44	62.69	-11.31	74	52.01	31.7	9.12	30.14	100	179	P	H
		5467.12	65.9	-2.3	68.2	55.22	31.7	9.12	30.14	100	179	P	H
		5407.36	51.13	-2.87	54	40.55	31.6	9.11	30.13	100	179	A	H
	*	5510	109.48	-	-	98.8	31.7	9.13	30.15	100	179	P	H
802.11n	*	5510	102.01	-	-	91.33	31.7	9.13	30.15	100	179	A	H
HT40		5734.76	51.96	-16.24	68.2	40.83	32	9.4	30.27	100	179	P	H
CH 102		5454.4	64.98	-9.02	74	54.3	31.7	9.12	30.14	100	74	P	V
5510MHz		5469.52	66.27	-1.93	68.2	55.59	31.7	9.12	30.14	100	74	P	V
		5453.92	48.06	-5.94	54	37.38	31.7	9.12	30.14	100	74	A	V
	*	5510	107.99	-	-	97.31	31.7	9.13	30.15	100	74	P	V
	*	5510	100.28	-	-	89.6	31.7	9.13	30.15	100	74	A	V
		5744.84	52.11	-16.09	68.2	40.96	32	9.42	30.27	100	74	P	V
		5445.04	59.78	-14.22	74	49.12	31.67	9.12	30.13	100	183	P	H
		5466.64	58.22	-9.98	68.2	47.54	31.7	9.12	30.14	100	183	P	H
		5447.2	52.04	-1.96	54	41.35	31.7	9.12	30.13	100	183	A	H
	*	5550	109.29	-	-	98.52	31.8	9.14	30.17	100	183	P	H
802.11n	*	5550	101.62	-	-	90.85	31.8	9.14	30.17	100	183	A	H
HT40		5760.905	51.2	-17	68.2	39.97	32.07	9.45	30.29	100	183	P	H
CH 110		5458.48	58.73	-15.27	74	48.05	31.7	9.12	30.14	100	73	P	V
5550MHz		5463.04	59	-9.2	68.2	48.32	31.7	9.12	30.14	100	73	P	V
		5447.68	48.32	-5.68	54	37.63	31.7	9.12	30.13	100	73	A	V
	*	5550	107.5	-	-	96.73	31.8	9.14	30.17	100	73	P	V
	*	5550	99.77	-	-	89	31.8	9.14	30.17	100	73	A	V
		5743.895	50.27	-17.93	68.2	39.12	32	9.42	30.27	100	73	P	V

		5447.65	53.08	-20.92	74	42.39	31.7	9.12	30.13	100	186	P	H
		5465.15	51.61	-16.59	68.2	40.93	31.7	9.12	30.14	100	186	P	H
		5447.3	44.52	-9.48	54	33.83	31.7	9.12	30.13	100	186	A	H
	*	5670	108.36	-	-	97.56	31.75	9.28	30.23	100	186	P	H
802.11n	*	5670	100.69	-	-	89.89	31.75	9.28	30.23	100	186	A	H
HT40		5725.8	65.25	-2.95	68.2	54.2	31.93	9.38	30.26	100	186	P	H
CH 134		5446.6	52.31	-21.69	74	41.62	31.7	9.12	30.13	100	76	P	V
5670MHz		5469.7	51.16	-17.04	68.2	40.48	31.7	9.12	30.14	100	76	P	V
		5447.65	42.53	-11.47	54	31.84	31.7	9.12	30.13	100	76	A	V
	*	5670	107.16	-	-	96.36	31.75	9.28	30.23	100	76	P	V
	*	5670	99.31	-	-	88.51	31.75	9.28	30.23	100	76	A	V
		5728.6	61.9	-6.3	68.2	50.84	31.93	9.39	30.26	100	76	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 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)
		11020	47.56	-26.44	74	55.72	40.33	13.47	61.96	100	0	P	H
		16530	47.1	-21.1	68.2	50.77	38.7	17.24	59.61	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	48.01	-25.99	74	56.17	40.33	13.47	61.96	100	0	P	V
5510MHz		16530	47.69	-20.51	68.2	51.36	38.7	17.24	59.61	100	0	P	V
													V
													V
		11100	47.26	-26.74	74	55.53	40	13.53	61.8	100	0	P	H
		16650	47.37	-20.83	68.2	50.42	39.2	17.41	59.66	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	47.8	-26.2	74	56.07	40	13.53	61.8	100	0	P	V
5550MHz		16650	47.71	-20.49	68.2	50.76	39.2	17.41	59.66	100	0	P	V
													V
													V
		11340	48.69	-25.31	74	56.14	39.87	14	61.32	100	0	P	H
		17010	52.19	-16.01	68.2	53.94	40.5	17.54	59.79	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	48.98	-25.02	74	56.43	39.87	14	61.32	100	0	P	V
5670MHz		17010	50.65	-17.55	68.2	52.4	40.5	17.54	59.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5451.52	61.45	-12.55	74	50.77	31.7	9.12	30.14	100	123	P	H
		5465.44	61.41	-6.79	68.2	50.73	31.7	9.12	30.14	100	123	P	H
		5450.08	51.51	-2.49	54	40.83	31.7	9.12	30.14	100	123	A	H
	*	5530	105.09	-	-	94.39	31.73	9.14	30.17	100	123	P	H
	*	5530	97.73	-	-	87.03	31.73	9.14	30.17	100	123	A	H
		5761.22	50.57	-17.63	68.2	39.34	32.07	9.45	30.29	100	123	P	H
		5458.24	57.53	-16.47	74	46.85	31.7	9.12	30.14	100	114	P	V
		5463.76	59.94	-8.26	68.2	49.26	31.7	9.12	30.14	100	114	P	V
		5459.92	49.38	-4.62	54	38.7	31.7	9.12	30.14	100	114	A	V
	*	5530	103.01	-	-	92.31	31.73	9.14	30.17	100	114	P	V
	*	5530	95.15	-	-	84.45	31.73	9.14	30.17	100	114	A	V
		5759.33	50.37	-17.83	68.2	39.15	32.07	9.44	30.29	100	114	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+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)
		11060	47.51	-26.49	74	55.76	40.13	13.5	61.88	100	0	P	H
		16590	47.27	-20.93	68.2	50.74	38.85	17.32	59.64	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.39	-26.61	74	55.64	40.13	13.5	61.88	100	0	P	V
5530MHz		16590	46.74	-21.46	68.2	50.21	38.85	17.32	59.64	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11ac 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		30	23.11	-16.89	40	29.86	25.2	0.67	32.62	-	-	P	H
		99.84	18.22	-25.28	43.5	33.45	15.97	1.22	32.51	-	-	P	H
		267.65	21.6	-24.4	46	32.5	19.47	1.95	32.52	-	-	P	H
		302.57	24.71	-21.29	46	35.74	19.3	2.08	32.54	-	-	P	H
		569.32	27.14	-18.86	46	30.43	26.31	2.82	32.59	-	-	P	H
		838.01	31.15	-14.85	46	30.66	28.88	3.42	31.99	100	0	P	H
													H
													H
													H
													H
													H
													H
		30	22.84	-17.16	40	29.59	25.2	0.67	32.62	-	-	P	V
		209.45	18.66	-24.84	43.5	34.07	15.2	1.74	32.49	-	-	P	V
		263.77	21.6	-24.4	46	31.99	20	1.94	32.52	-	-	P	V
		302.57	22.98	-23.02	46	34.01	19.3	2.08	32.54	-	-	P	V
		558.65	27.76	-18.24	46	31.19	26.19	2.79	32.59	-	-	P	V
		759.44	31.49	-14.51	46	32.02	28.4	3.22	32.28	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

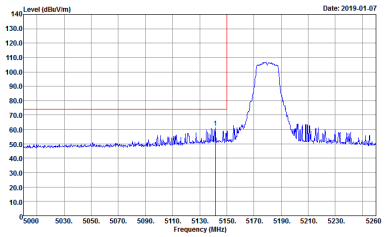
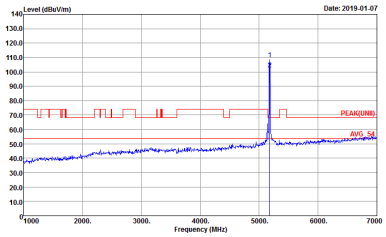
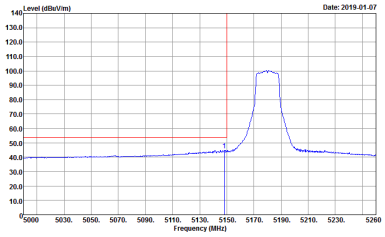
Test Engineer :	Watt Tseng, Karl Hou, and Bigshow Wang	**Temperature :**	24~26°C
		Relative Humidity :	47~58%

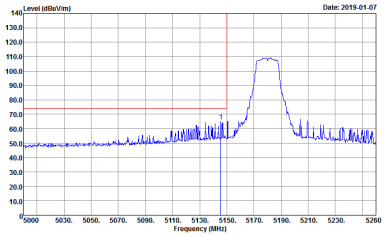
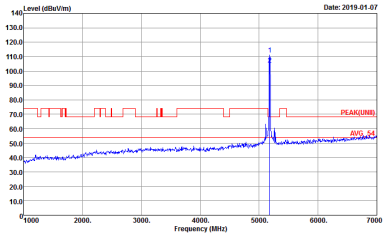
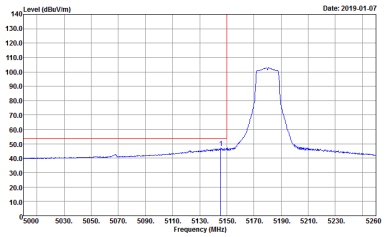
Note symbol

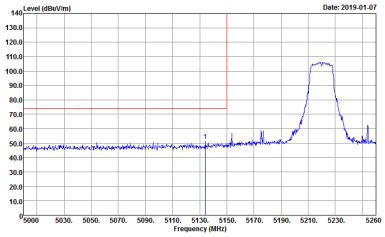
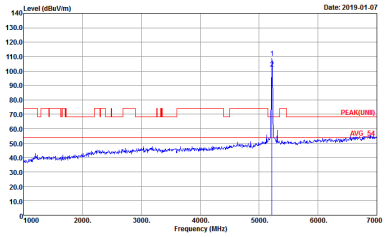
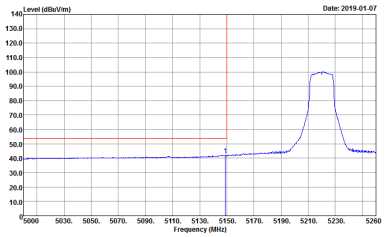
-L	**Low channel location**
-R	**High channel location**

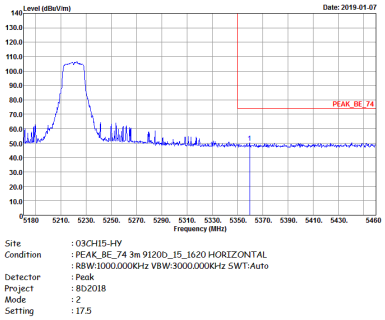
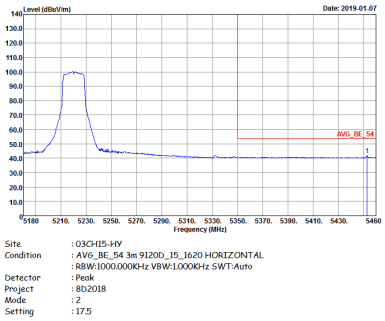
Band 1 - 5150~5250MHz

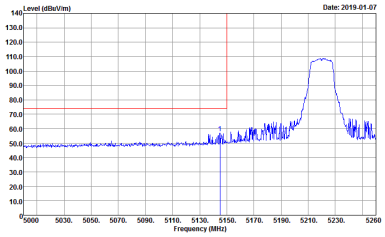
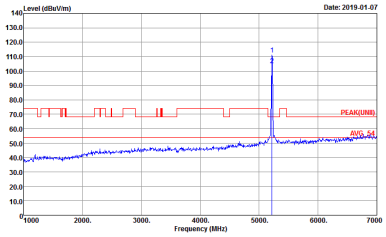
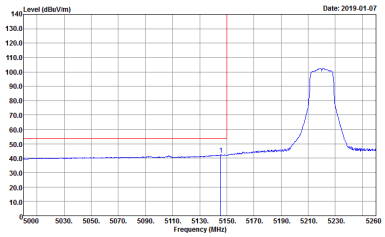
WIFI 802.11a (Band Edge @ 3m)

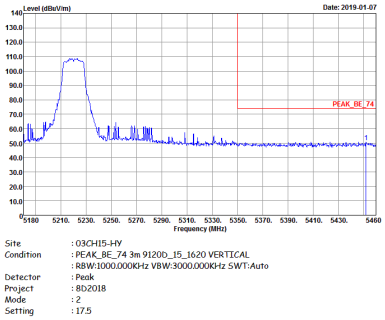
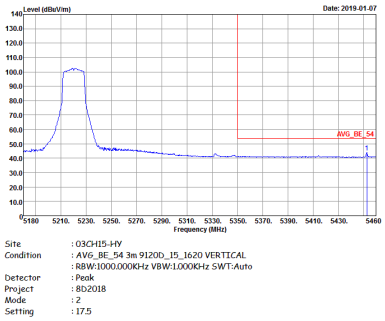
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 1 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 1 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 1 Setting : 17.5	Left blank

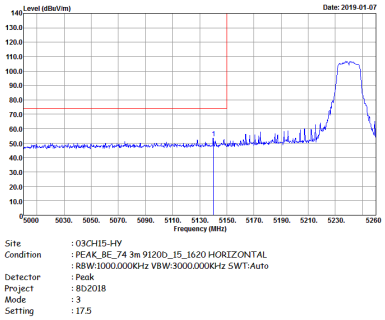
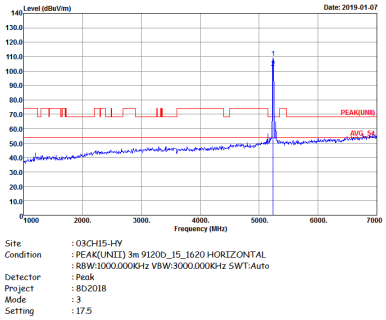
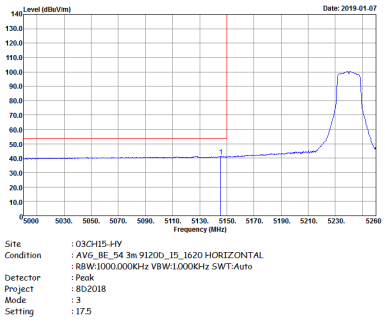
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 1 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 1 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 1 Setting : 17.5	Left blank

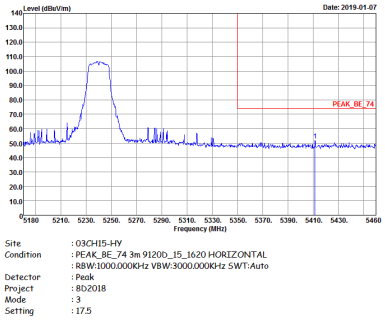
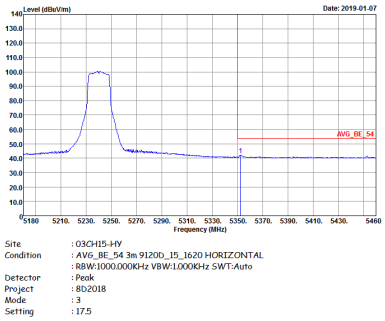
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	Left blank

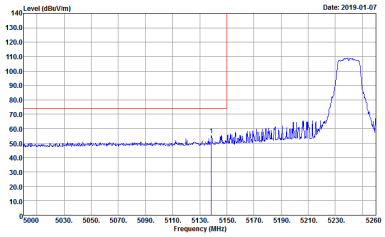
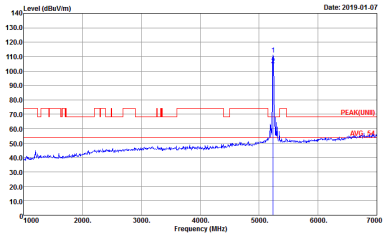
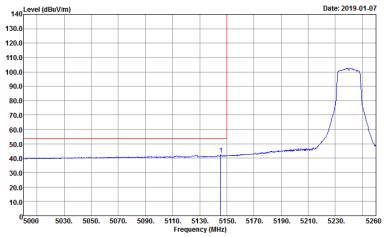
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	Left blank

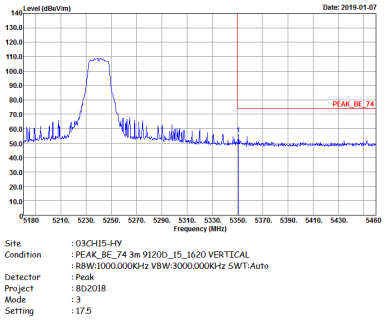
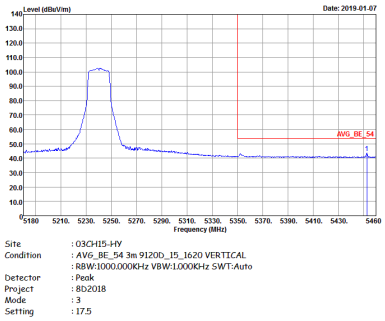
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 2 Setting : 17.5	Left blank

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

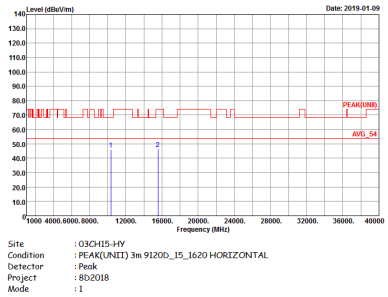
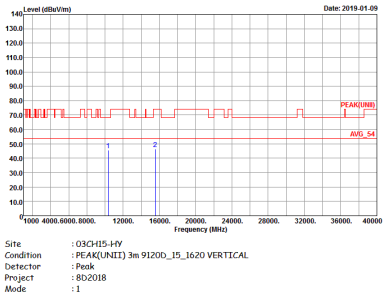
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 3 Setting : 17.5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 3 Setting : 17.5	Left blank

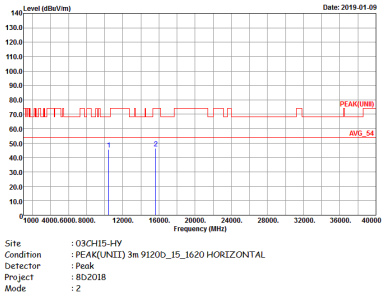
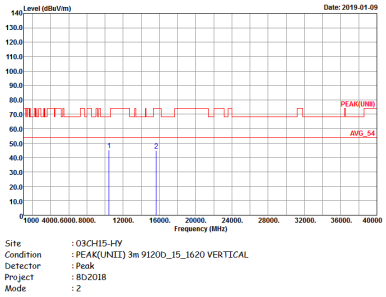
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 3 Setting : 17.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 3 Setting : 17.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 3 Setting : 17.5	Left blank

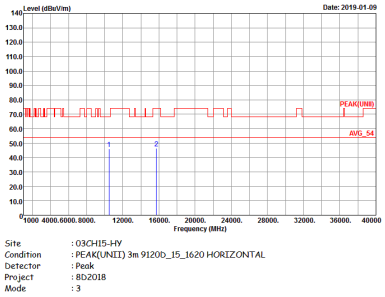
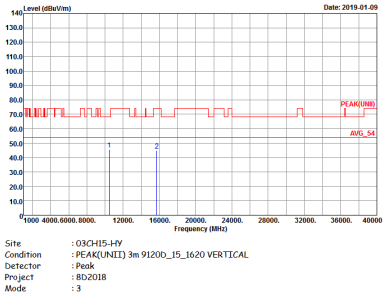
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

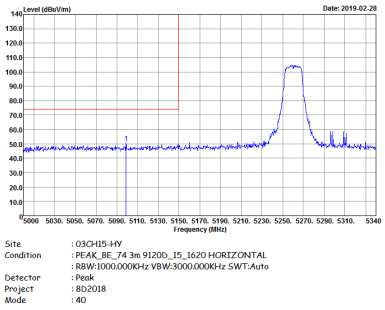
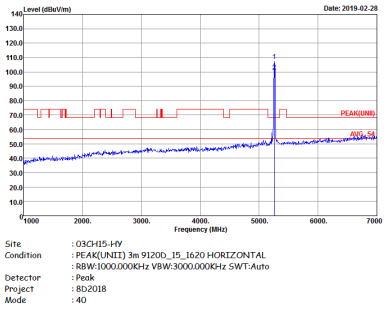
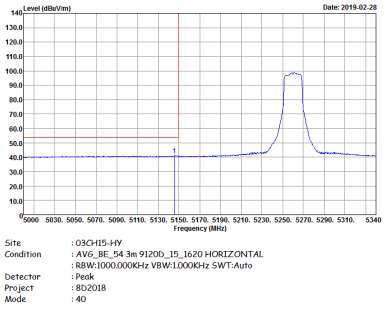
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

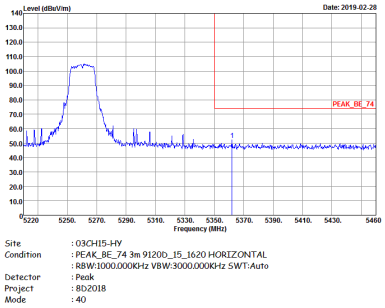
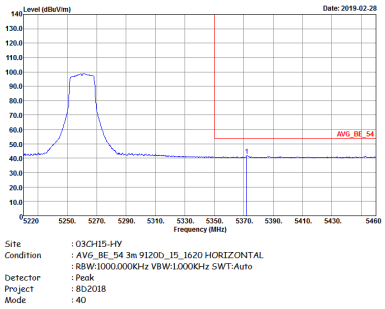
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

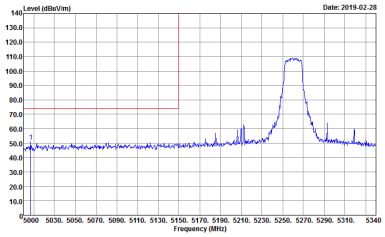
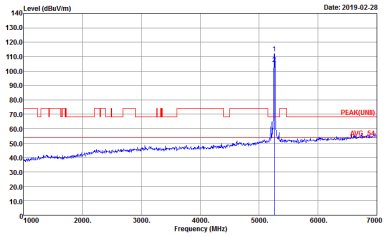
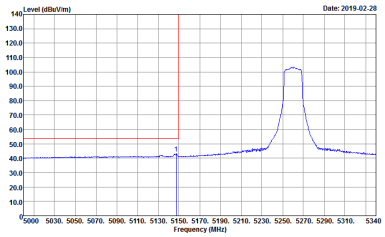
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

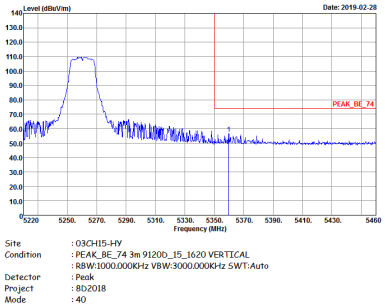
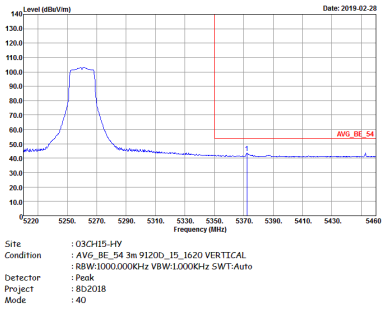
Band 2 - 5250~5350MHz

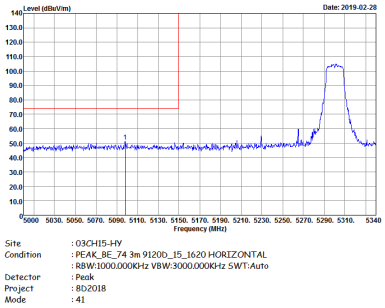
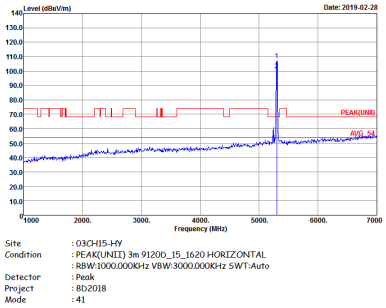
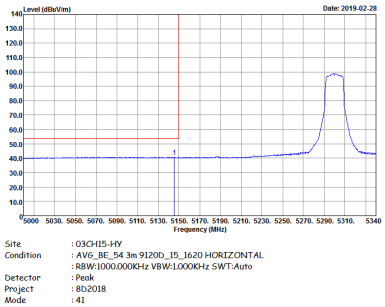
WIFI 802.11a (Band Edge @ 3m)

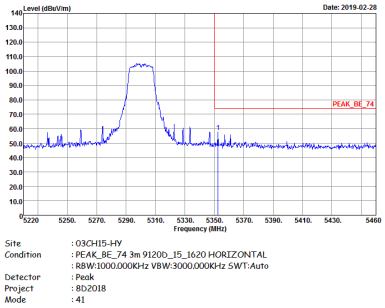
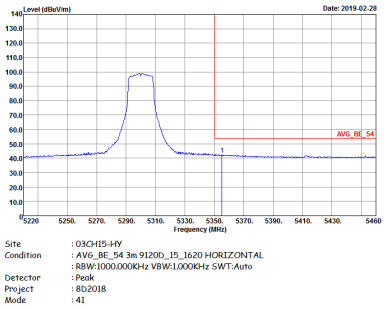
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

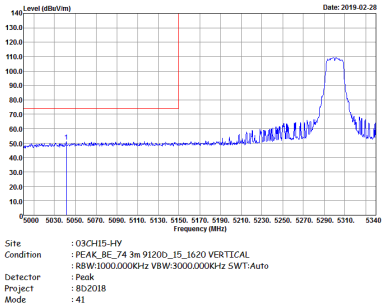
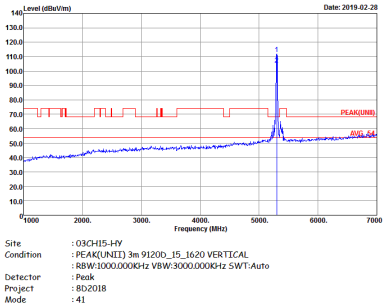
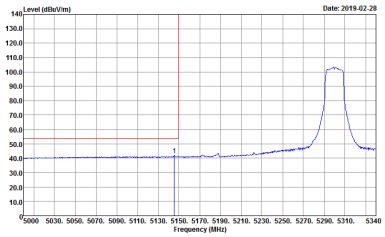
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

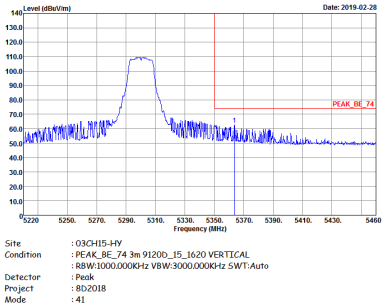
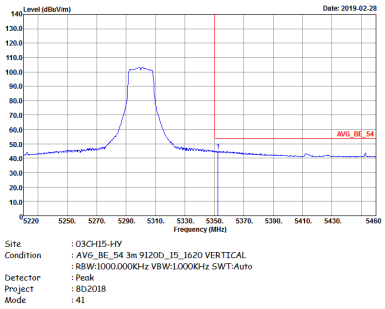
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 40	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 40
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 40	Left blank

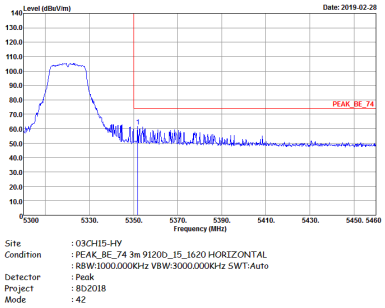
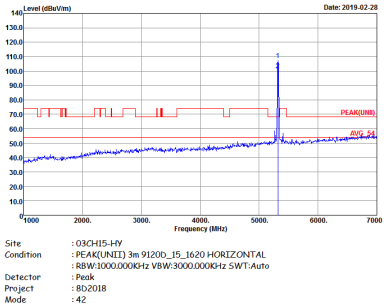
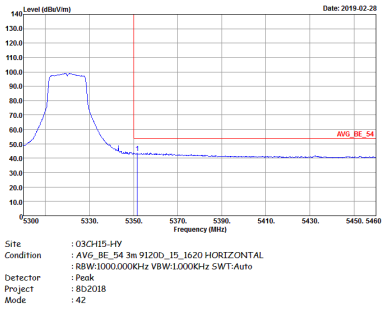
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

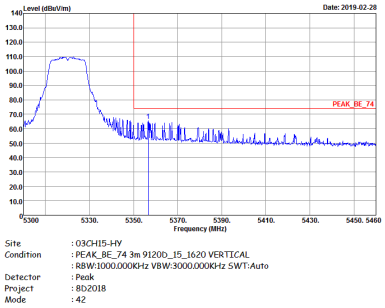
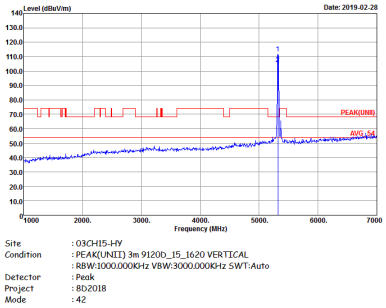
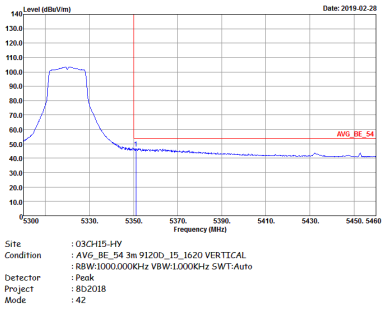
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 41	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 41
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 41	Left blank

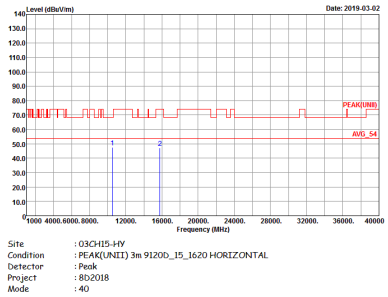
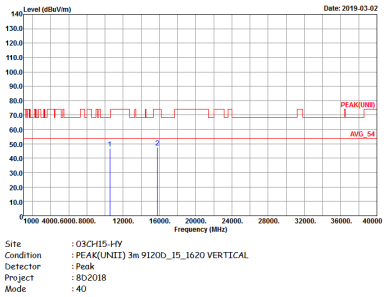
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

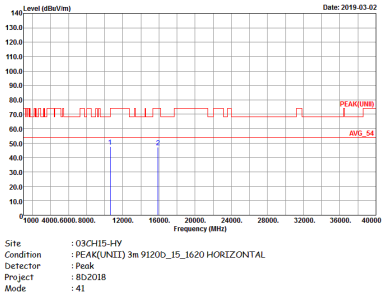
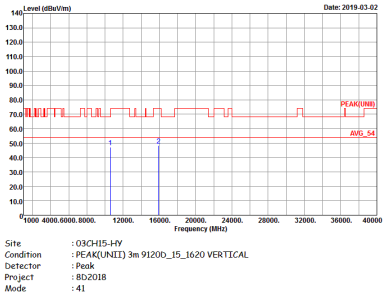
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

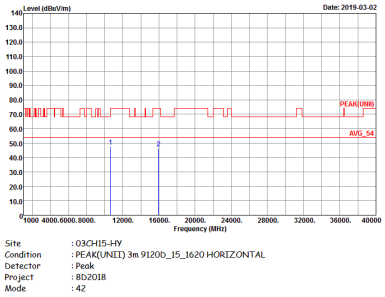
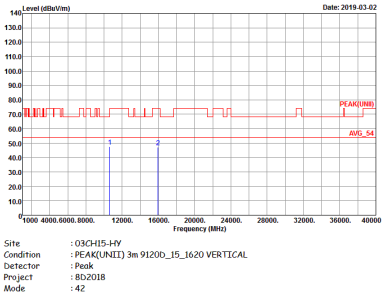
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

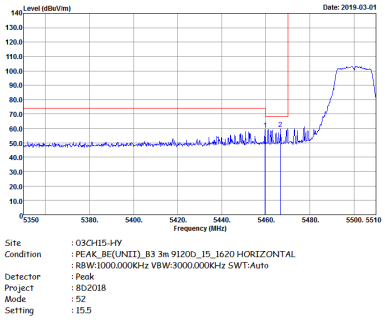
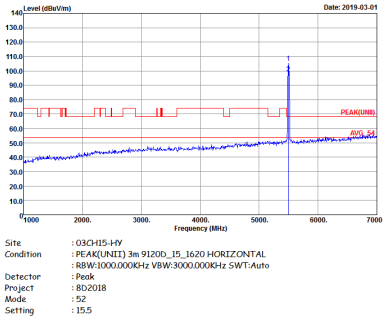
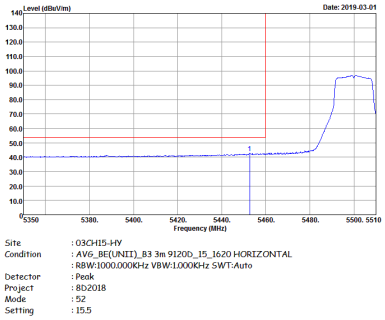
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

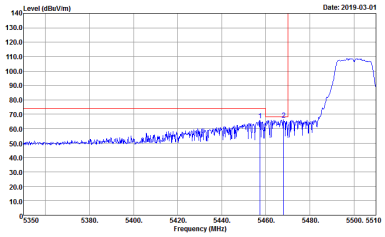
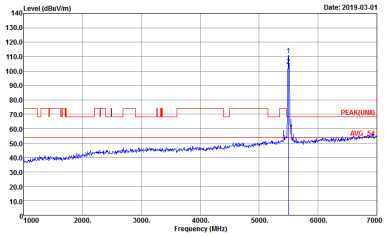
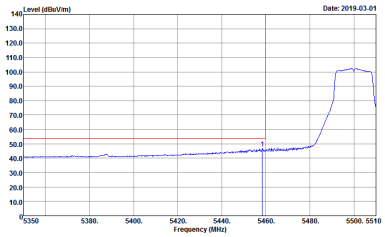
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

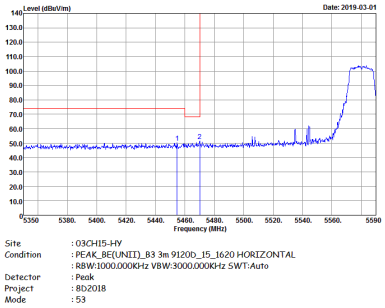
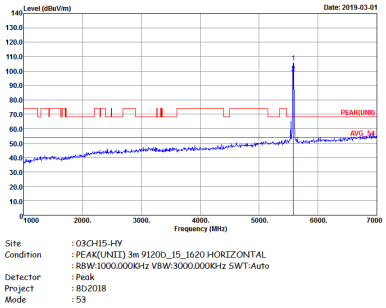
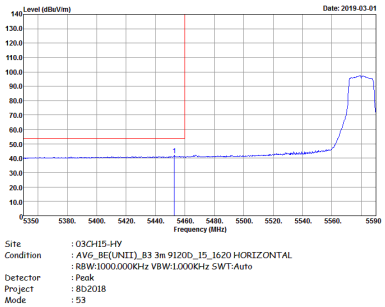
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 8D2018 Mode : 42	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 8D2018 Mode : 42

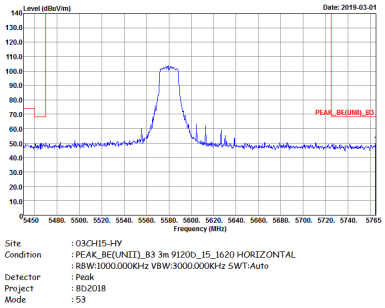
Band 3 - 5470~5725MHz

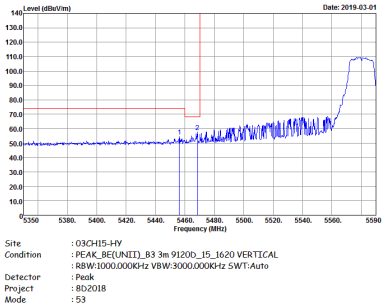
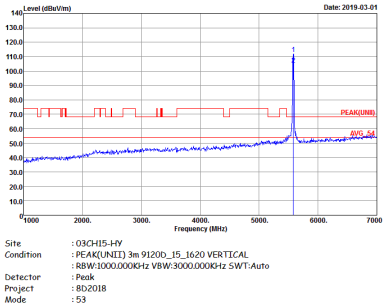
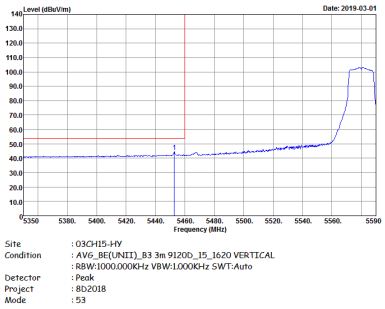
WIFI 802.11a (Band Edge @ 3m)

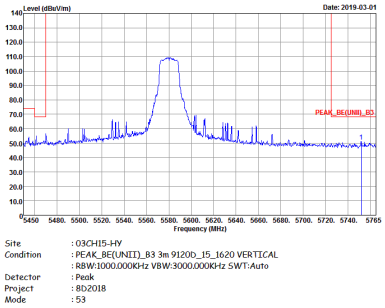
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

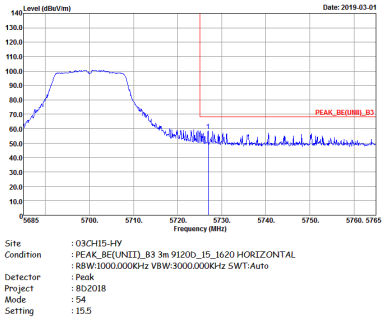
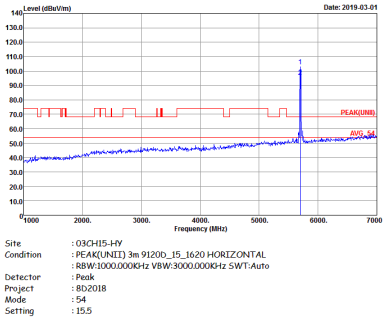
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_83 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 52 Setting : 15.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 52 Setting : 15.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_83 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 52 Setting : 15.5	Left blank

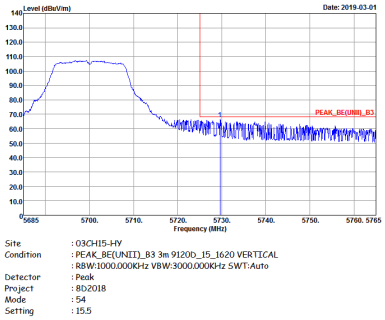
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

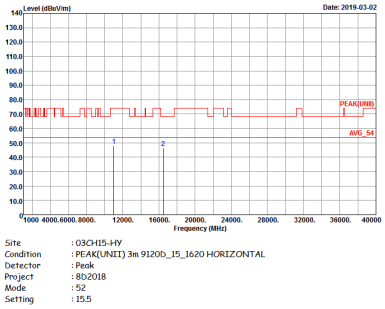
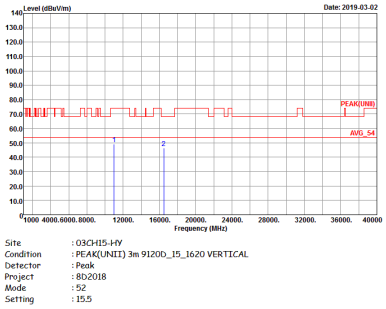
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

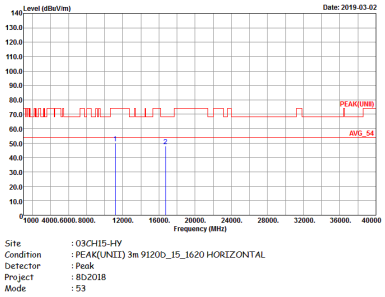
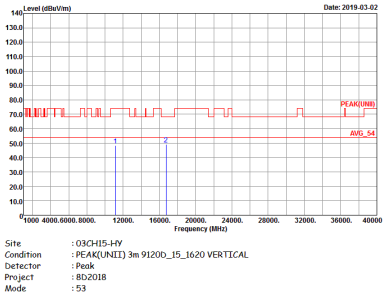
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_I5_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 54 Setting : 15.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_I5_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 54 Setting : 15.5

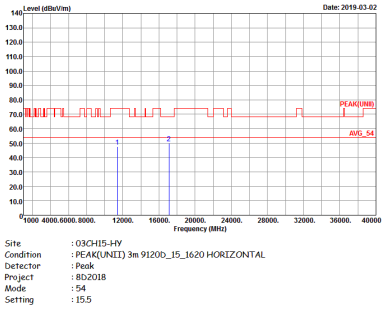
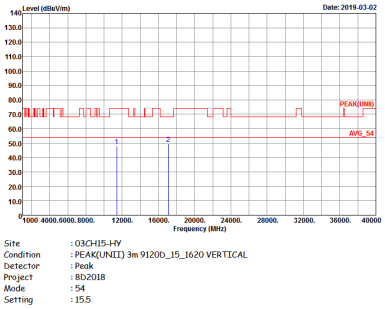
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

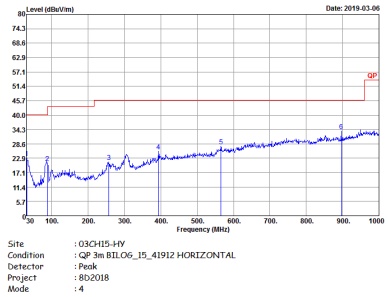
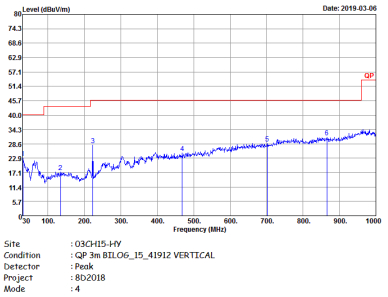
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 8D2018 Mode : 54 Setting : 15.5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 8D2018 Mode : 54 Setting : 15.5

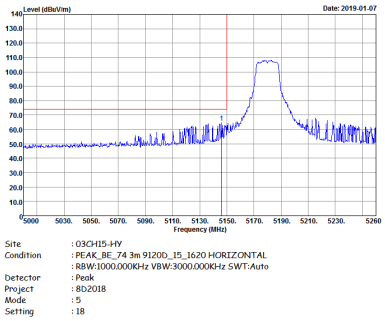
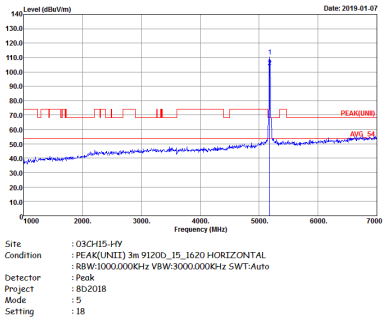
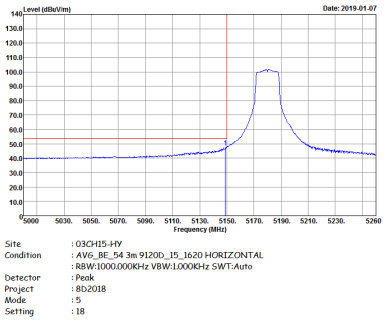
Emission below 1GHz

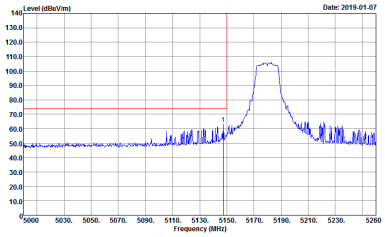
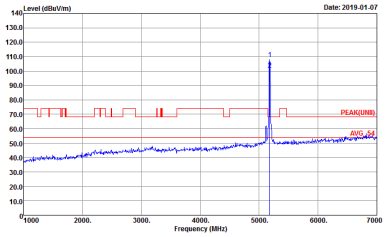
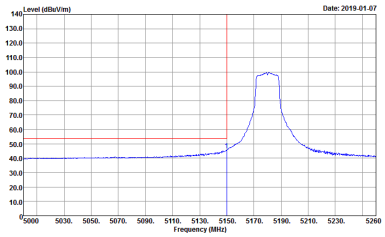
5GHz WIFI 802.11a (LF)

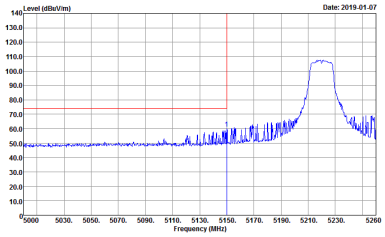
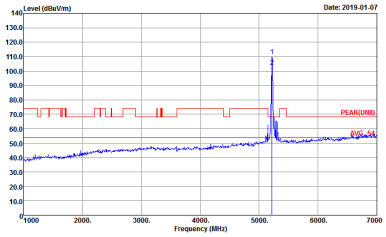
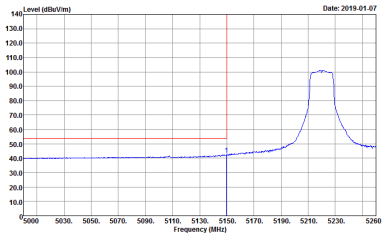
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak		

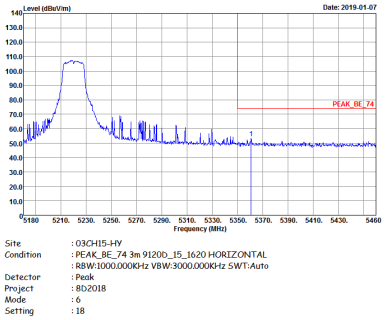
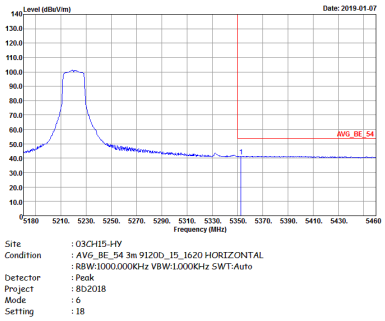
Band 1 - 5150~5250MHz

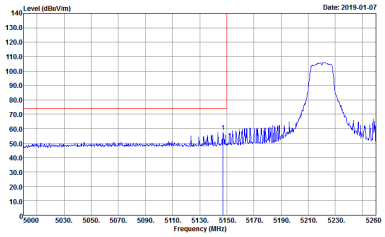
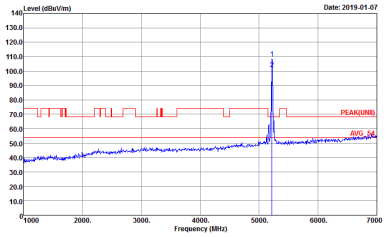
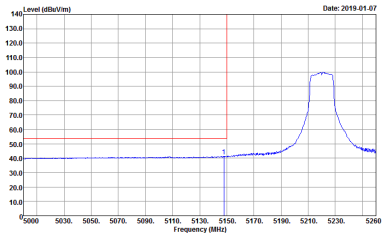
WIFI 802.11a (Band Edge @ 3m)

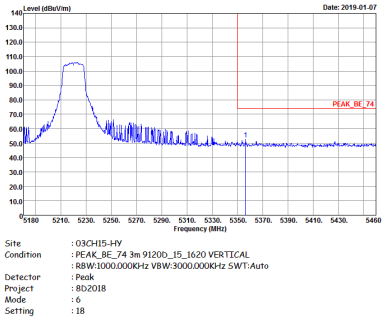
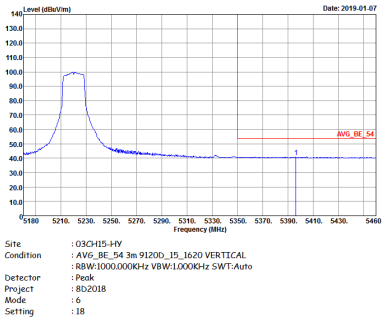
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

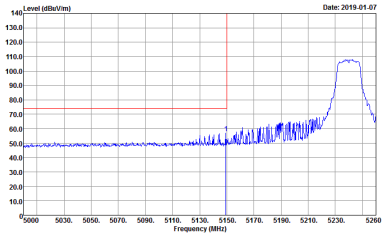
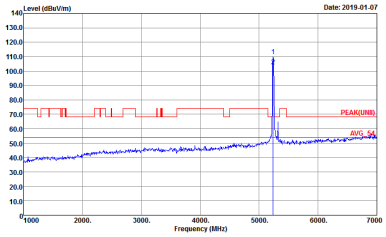
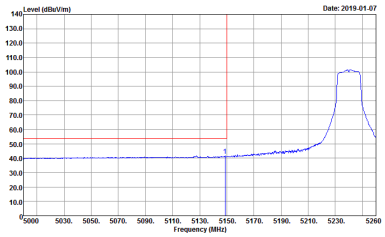
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 5 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 5 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 5 Setting : 18	Left blank

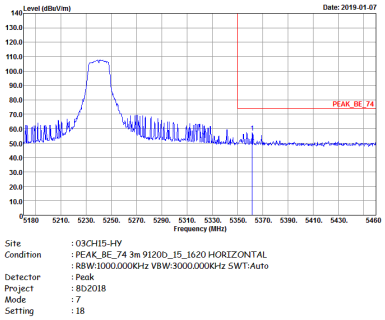
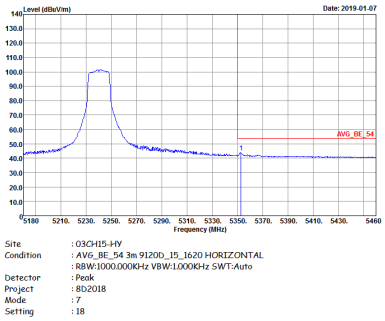
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	Left blank

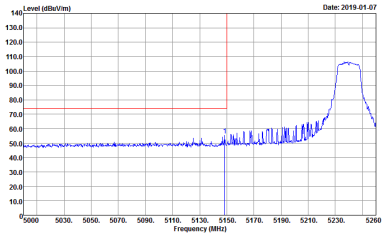
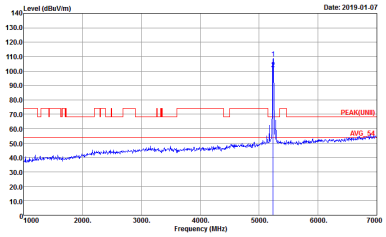
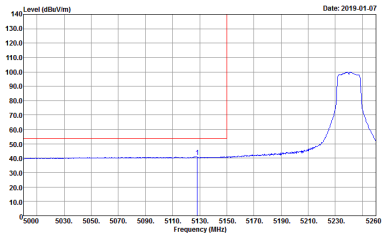
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	Left blank

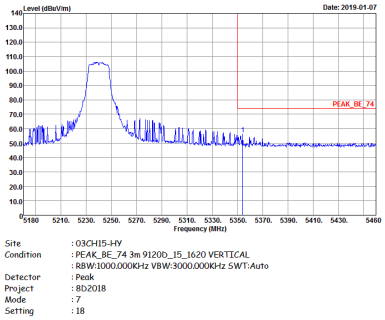
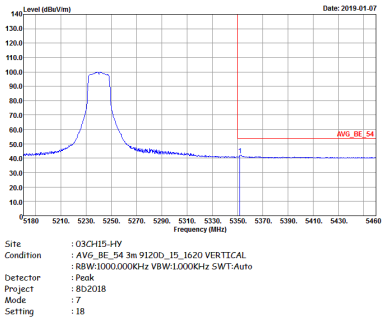
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 6 Setting : 18	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	Left blank

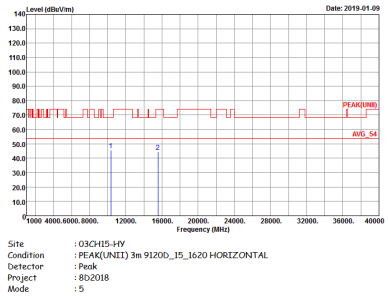
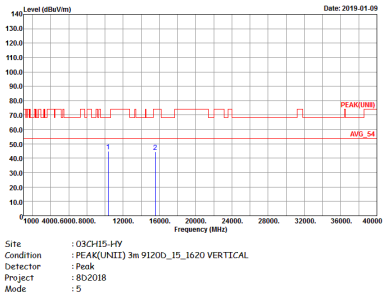
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	Left blank

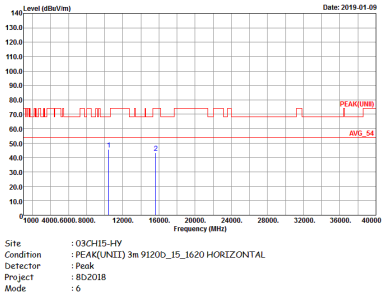
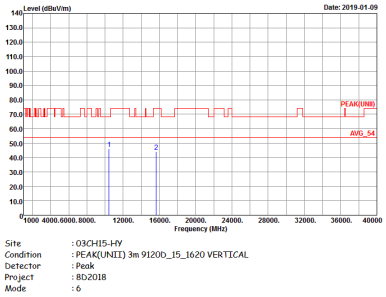
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	Left blank

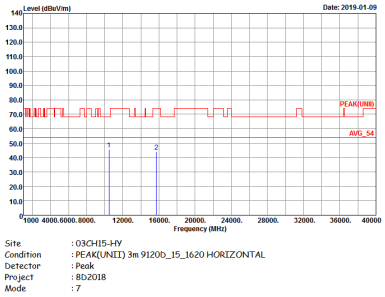
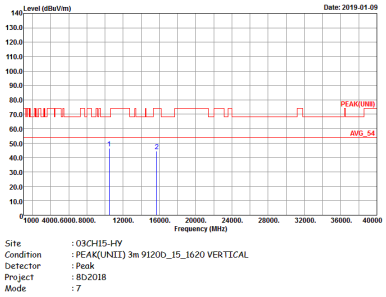
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 7 Setting : 18	Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

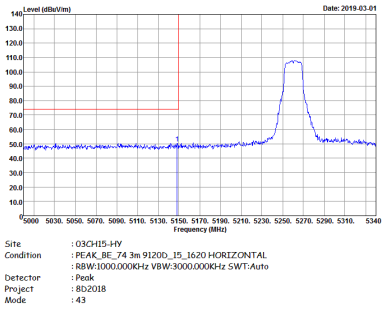
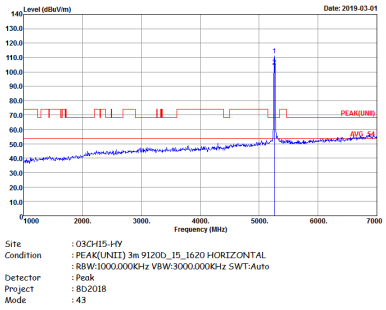
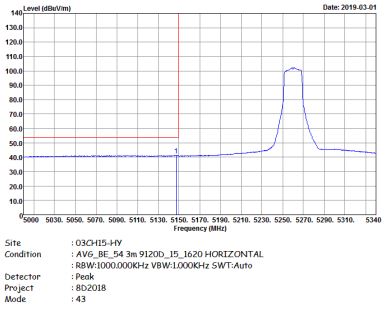
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.		

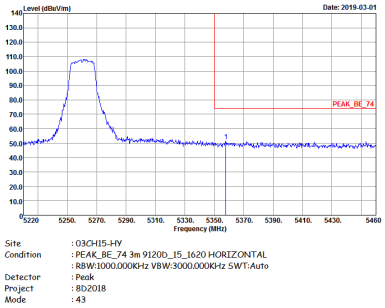
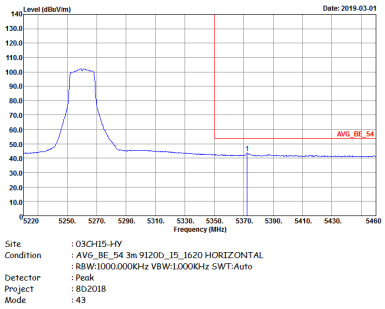
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.		

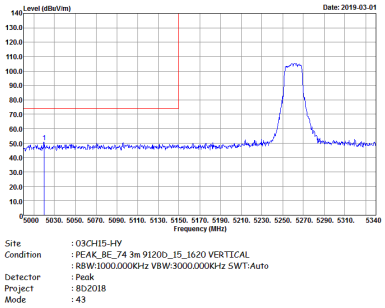
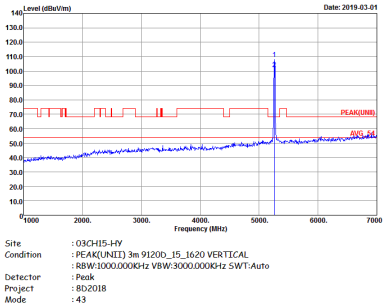
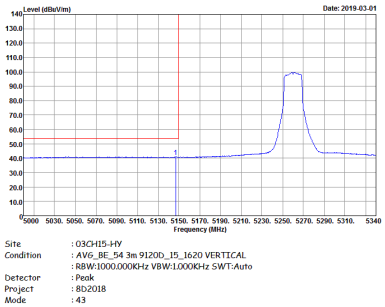
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.		

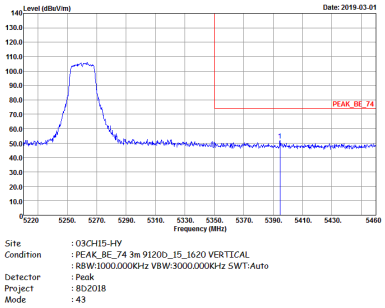
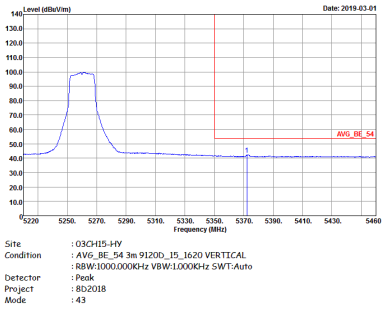
Band 2 - 5250~5350MHz

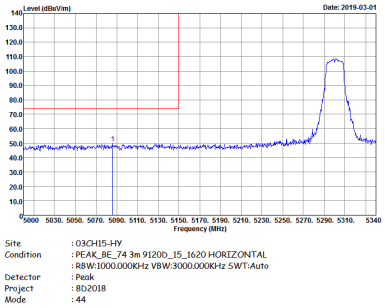
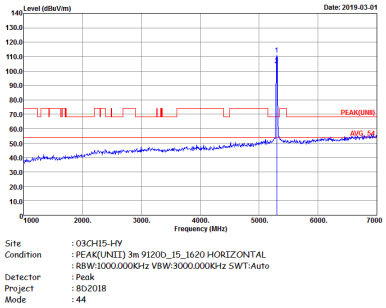
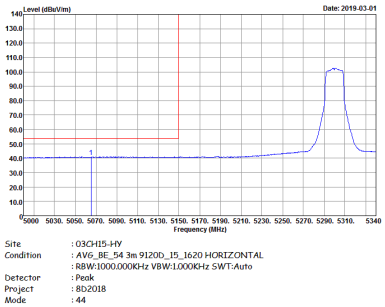
WIFI 802.11a (Band Edge @ 3m)

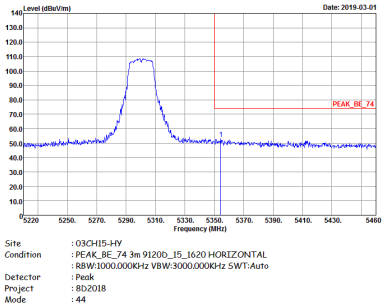
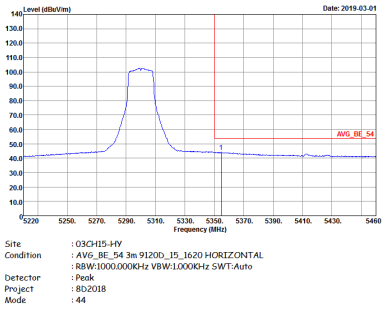
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

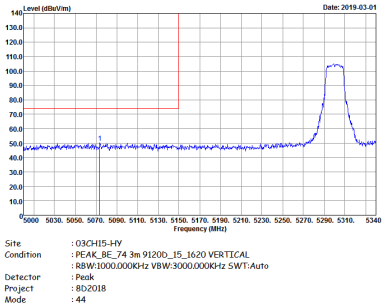
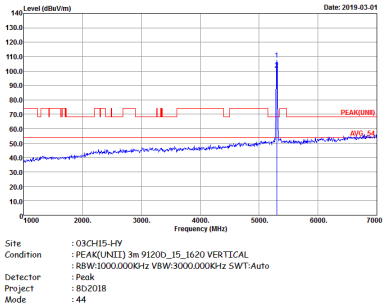
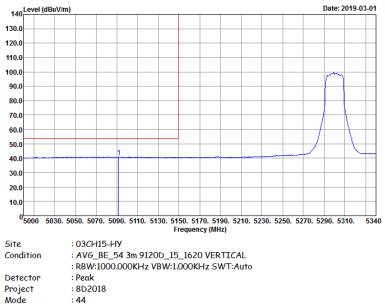
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

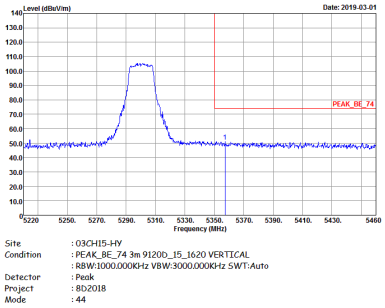
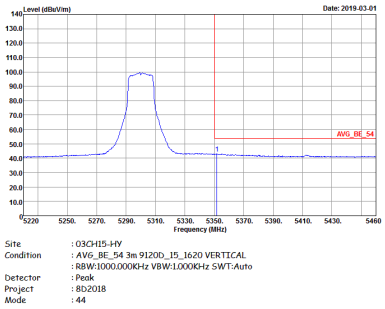
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Vertical	Fundamental
Peak		
Avg.		Left blank

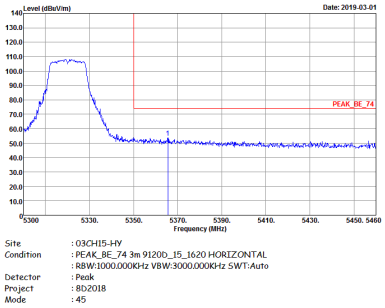
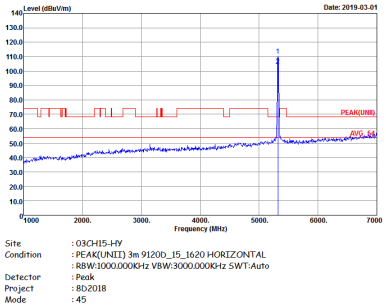
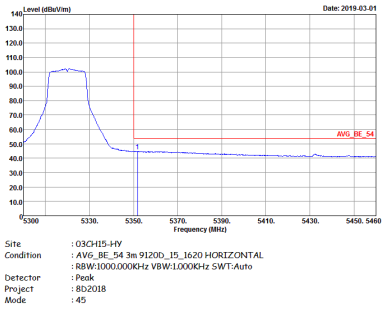
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

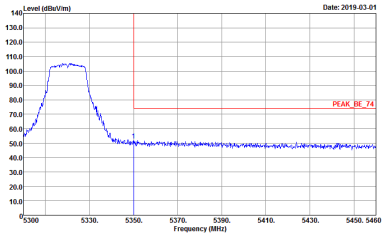
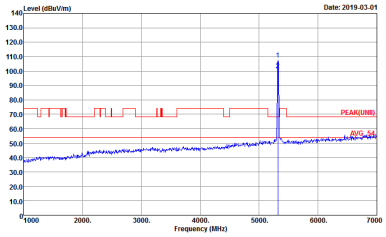
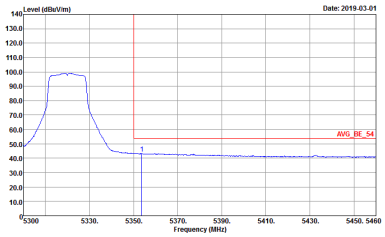
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

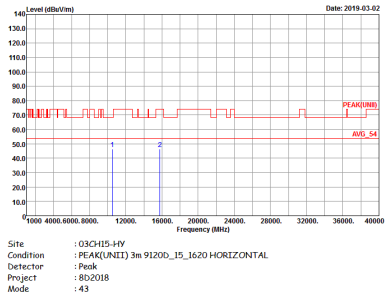
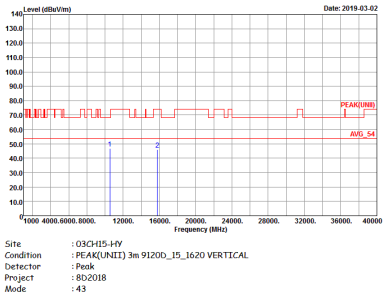
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

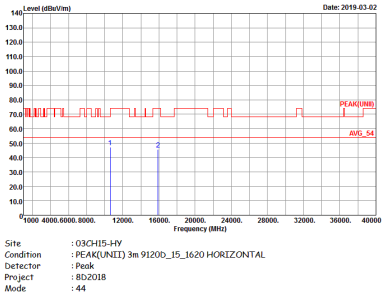
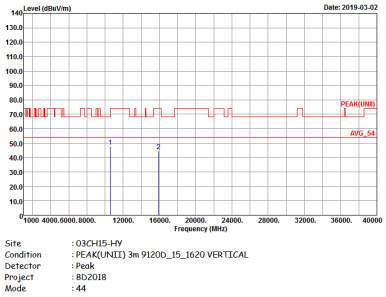
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

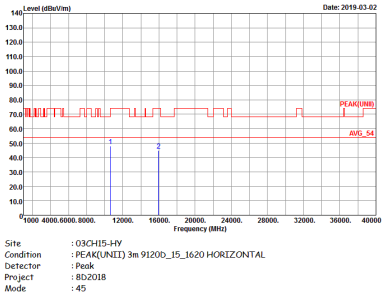
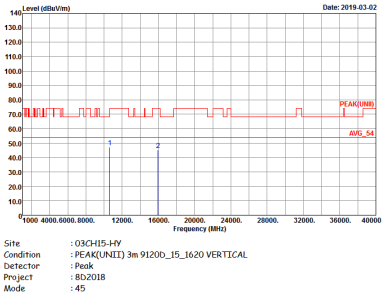
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 45	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 45
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 45	Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

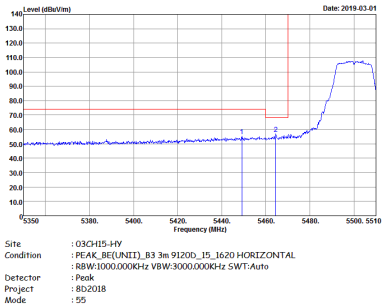
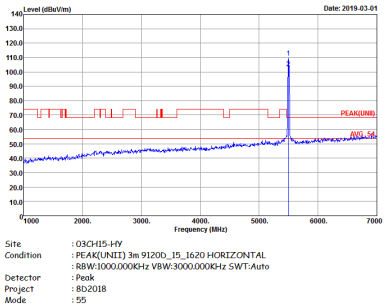
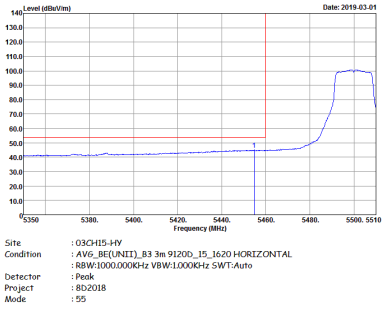
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
2	Horizontal	Vertical
Peak Avg.		

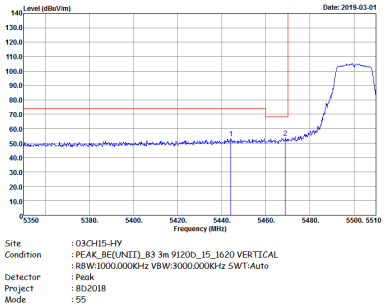
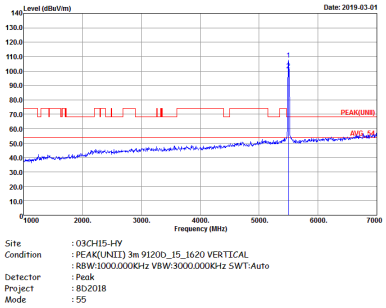
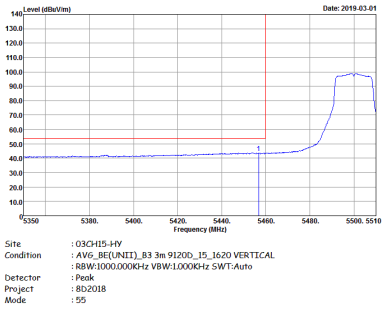
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.		

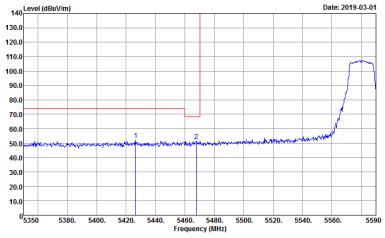
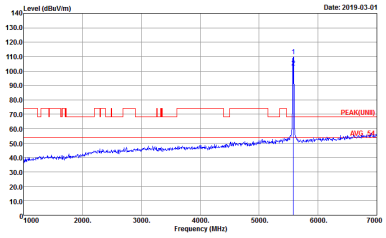
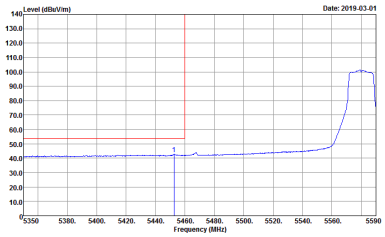
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.		

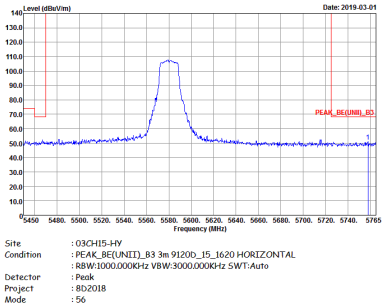
Band 3 - 5470~5725MHz

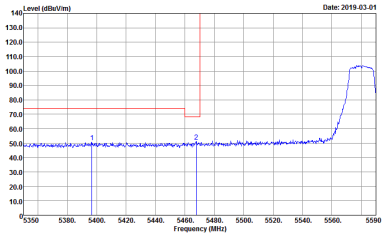
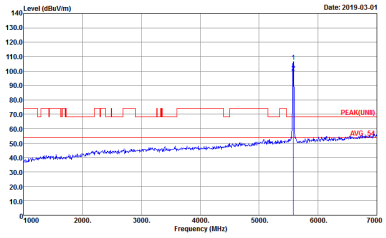
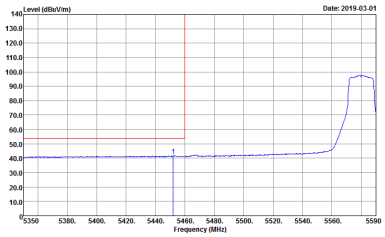
WIFI 802.11a (Band Edge @ 3m)

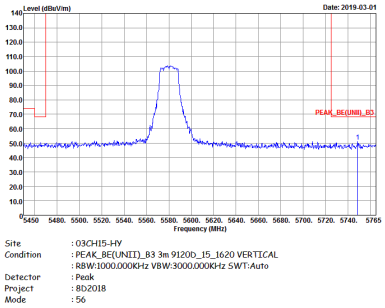
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
Peak		
Avg.		Left blank

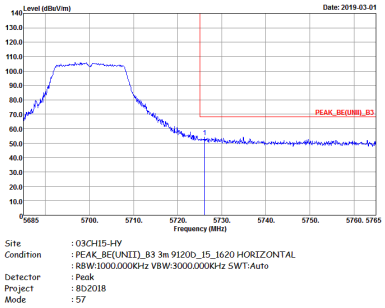
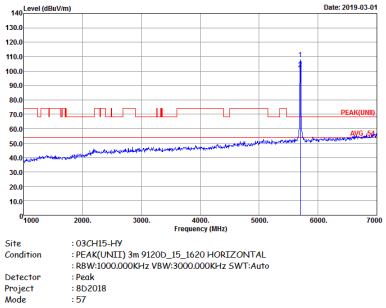
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak		
Avg.		Left blank

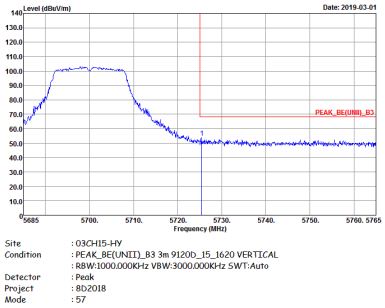
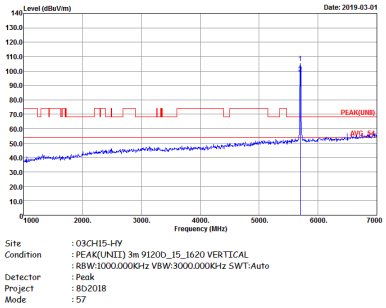
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 56	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 56
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 56	Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 56	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 56
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 8D2018 Mode : 56	Left blank

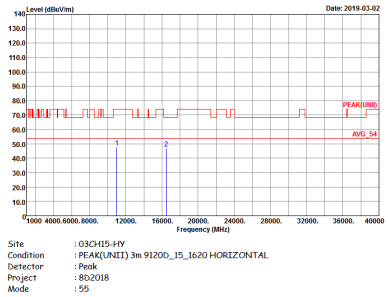
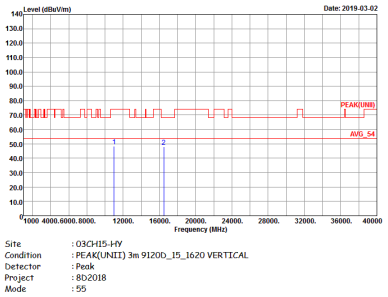
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Vertical	Fundamental
Peak		Left blank

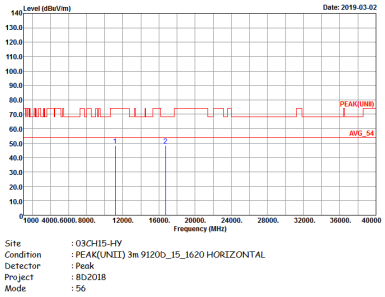
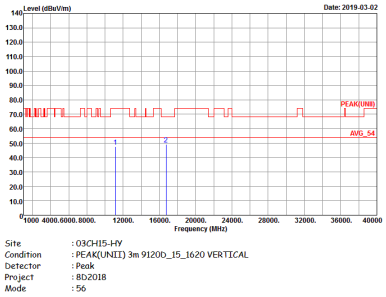
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Fundamental
Peak		

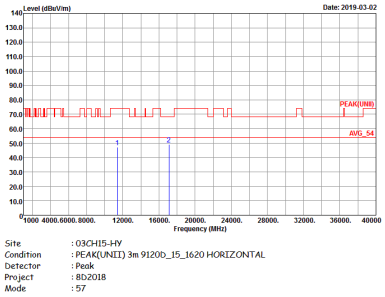
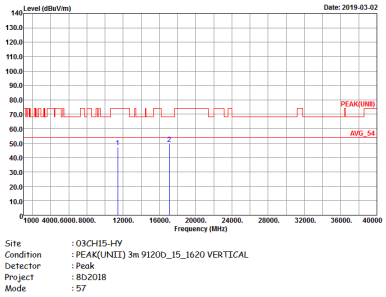
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Vertical	Fundamental
Peak		

Band 3 - 5470~5725MHz

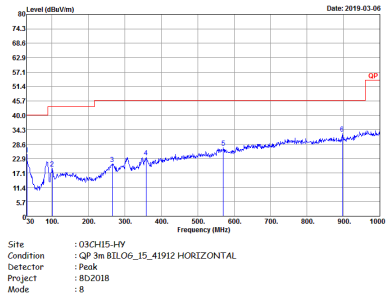
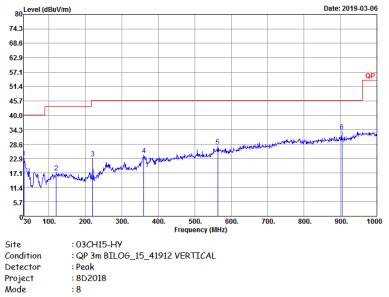
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
2	Horizontal	Vertical
QP / Peak