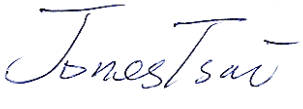
FCC RF Test Report

APPLICANT	:	Sony Mobile Communications Inc.
EQUIPMENT	:	GSM/WCDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n/ac, ANT+, and NFC
BRAND NAME	:	Sony
FCC ID	:	PY7-PM0902
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Jul. 16, 2015 and testing was completed on Aug. 15, 2015. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor



Approved by: Jones Tsai / Manager

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR571614F	Rev. 01	Initial issue of report	Sep. 02, 2015

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	FCC ≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 4.03 dB at 5149.400 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 22.30 dB at 0.614 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Sony Mobile Communications Inc.
Nya Vattentornet, 22188 Lund, Sweden

1.2 Manufacturer

Sony Mobile Communications Inc.
1-8-15 Konan, Minato-ku, Tokyo, 108-0075, Japan

1.3 Feature of Equipment Under Test

GSM/WCDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n/ac, ANT+, NFC, and GPS

Product Specification subjective to this standard	
Antenna Type	Main Antenna : Monopole Antenna Aux. Antenna : Monopole Antenna
Antenna Gain	**<5150 MHz ~ 5250 MHz>** Main Antenna : -3.80 dBi Aux. Antenna : -0.40 dBi **<5250 MHz ~ 5350 MHz>** Main Antenna : -3.80 dBi Aux. Antenna : -0.40 dBi **<5470 MHz ~ 5725 MHz>** Main Antenna : -4.30 dBi Aux. Antenna : -0.90 dBi

EUT Information List				
IMEI	HW Version	SW Version	S/N	Performed Test Item
IMEI : 004402541707638	A	32.0.B.0.192	CB5A279FXM	RF conducted measurement
IMEI : 004402541706580			CB5A279A2P9	Radiated Spurious Emission
IMEI : 004402541706721			CB5A279A2DY	Conducted Emission

Accessory List	
AC Adapter	Model No. : UCH20
	Type No. : AC-0061-US
	S/N : 5815W22500090 (for Radiated Spurious Emission) 2115W15500021 (for Conducted Emission)
Earphone	Model No. : MDR-NC31E
	Type No. : AG-1110
USB Cable	Model No. : UCB11
	Type No. : AI-0120
	S/N : 1522A7390009100 (for Radiated Spurious Emission) 1522A73000065C4 (for Conducted Emission)

Note:

1. Above EUT list and accessory list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test.
3. For other wireless features of this EUT, test report will be issued separately.

1.4 Modification of EUT

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

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH05-HY	CO05-HY

Note: The test site complies with ANSI C63.4 2009 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.**
	03CH11-HY

Note: The test site complies with ANSI C63.4 2009 requirement.

1.6 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v01
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 644545 D03 Guidance for IEEE 802 11ac New Rules v01
- ANSI C63.10-2009

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. FCC permits the use of the 1.5 meter table as an alternative in C63.10-2013 through inquiry tracking number 961829.

2 Test Configuration of Equipment Under Test

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: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

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	120	5600
	102	**5510**	122	5610
	104	5520	124	5620
	106	5530	126	5630
	108	5540	128	5640
	110	**5550**	132	5660
	112	5560	**134**	**5670**
	116	5580	136	5680
	118	5590	140	5700

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

Note: The above Frequency and Channel in boldface were 802.11n HT40.

2.2 Pre-Scanned RF Power

The data rates were set in

6 Mbps for 802.11a, MCS0 for 802.11n HT20, and MCS0 for 802.11n HT40 for Ant. 1 and Ant. 2;

MCS8 for 802.11n HT20 and MCS8 for 802.11n HT40 for MIMO <Ant. 1 + 2>;

MCS0 for 802.11n VHT20, MCS0 for 802.11n VHT40, and MCS0 for 802.11n VHT80, due to the customer declared.

SISO <Ant. Port 1>

5GHz 802.11a mode			
Data Rate (MHz)	**6M bps**		
Channel	**CH 36**	**CH 44**	**CH 48**
Frequency	**5180**	**5220**	**5240**
Average Power (dBm)	**9.68**	9.53	9.56
Channel	**CH 52**	**CH 60**	**CH 64**
Frequency	**5260**	**5300**	**5320**
Average Power (dBm)	9.53	9.52	**9.60**
Channel	**CH 100**	**CH 116**	**CH 140**
Frequency	**5500**	**5580**	**5700**
Average Power (dBm)	**9.56**	9.52	9.54

5GHz 802.11n HT20 mode			
Data Rate (MHz)	**MCS0**		
Channel	**CH 36**	**CH 44**	**CH 48**
Frequency	**5180**	**5220**	**5240**
Average Power (dBm)	**9.68**	9.57	9.62
Channel	**CH 52**	**CH 60**	**CH 64**
Frequency	**5260**	**5300**	**5320**
Average Power (dBm)	**9.71**	9.67	9.52
Channel	**CH 100**	**CH 116**	**CH 140**
Frequency	**5500**	**5580**	**5700**
Average Power (dBm)	**9.87**	9.56	9.60

5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.50	9.56	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.55	9.53	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.54	9.67	9.65

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.56	9.59	9.75
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.58	9.51	9.60
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.54	9.50	9.59

5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.57	9.50	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.63	9.73	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.54	9.56	9.65

5GHz 802.11ac VHT80 mode				
Data Rate (MHz)	MCS0			
Channel	CH 42	CH 58	CH 106	CH 122
Frequency	5210	5290	5530	5610
Average Power (dBm)	9.71	9.57	9.99	9.56

SISO <Ant. Port 2>

5GHz 802.11a mode			
Data Rate (MHz)	**6M bps**		
Channel	**CH 36**	**CH 44**	**CH 48**
Frequency	**5180**	**5220**	**5240**
Average Power (dBm)	9.56	**9.59**	9.51
Channel	**CH 52**	**CH 60**	**CH 64**
Frequency	**5260**	**5300**	**5320**
Average Power (dBm)	9.54	9.52	**9.59**
Channel	**CH 100**	**CH 116**	**CH 140**
Frequency	**5500**	**5580**	**5700**
Average Power (dBm)	9.57	**9.78**	9.52

5GHz 802.11n HT20 mode			
Data Rate (MHz)	**MCS0**		
Channel	**CH 36**	**CH 44**	**CH 48**
Frequency	**5180**	**5220**	**5240**
Average Power (dBm)	9.52	**9.56**	9.50
Channel	**CH 52**	**CH 60**	**CH 64**
Frequency	**5260**	**5300**	**5320**
Average Power (dBm)	9.51	9.54	**9.57**
Channel	**CH 100**	**CH 116**	**CH 140**
Frequency	**5500**	**5580**	**5700**
Average Power (dBm)	**9.67**	9.66	9.62

5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.51	**9.53**	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.55	**9.59**	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.58	**9.63**	9.51

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.56	9.62	**9.72**
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.55	9.54	**9.60**
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.55	9.60	**9.56**

5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.66	9.61	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.59	9.57	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.50	9.54	9.60

5GHz 802.11ac VHT80 mode				
Data Rate (MHz)	MCS0			
Channel	CH 42	CH 58	CH 106	CH 122
Frequency	5210	5290	5530	5610
Average Power (dBm)	9.54	9.59	9.81	9.47

MIMO <Ant. 1+2>

5GHz 802.11a mode			
Data Rate (MHz)	6M bps		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.71	12.59	12.65
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.86	12.74	12.87
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.84	12.93	12.71

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS8		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.88	12.80	12.72
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.95	12.76	12.94
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.88	12.97	12.68

5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS8		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	12.87	12.95	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	12.80	12.77	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	12.78	12.89	12.77

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.77	12.91	12.82
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.92	12.79	12.82
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.78	12.84	12.80

5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	12.75	**12.76**	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	12.74	**12.80**	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	**12.89**	12.79	12.77

5GHz 802.11ac VHT80 mode				
Data Rate (MHz)	MCS0			
Channel	CH 42	CH 58	CH 106	CH 122
Frequency	5210	5290	5530	5610
Average Power (dBm)	**12.73**	**12.26**	**12.99**	12.90

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

2.3 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates from the power table described in section 2.2.
The radiated spurious emissions testing were performed in n-mode only for HT20/40, which covers ac-mode testing.

Single Antenna

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

MIMO Antenna

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS8
802.11n HT40	MCS8
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

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

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

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

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

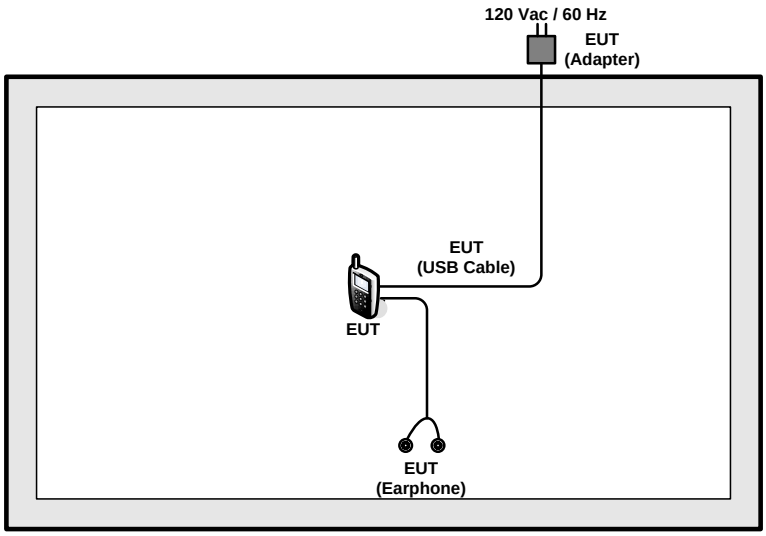
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle Band		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle Band		-	-	142

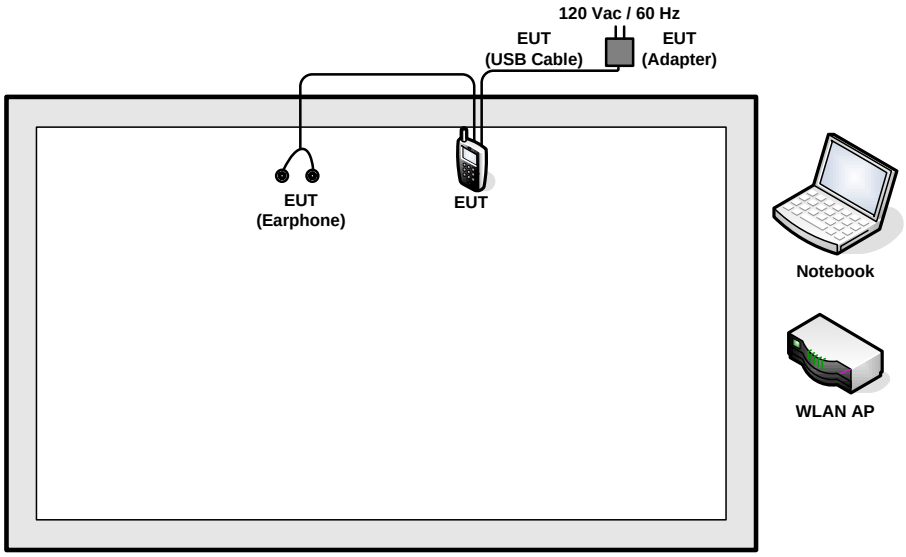
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle Band		-	-	138

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-Link	DIR-865L	KA2IR865LA1	N/A	Unshielded, 1.8 m
2.	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
3.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit/receive.

2.7 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

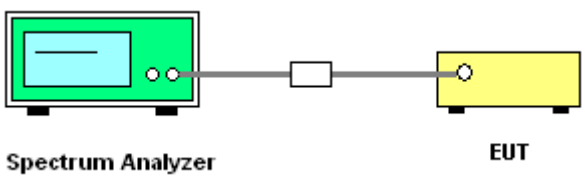
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

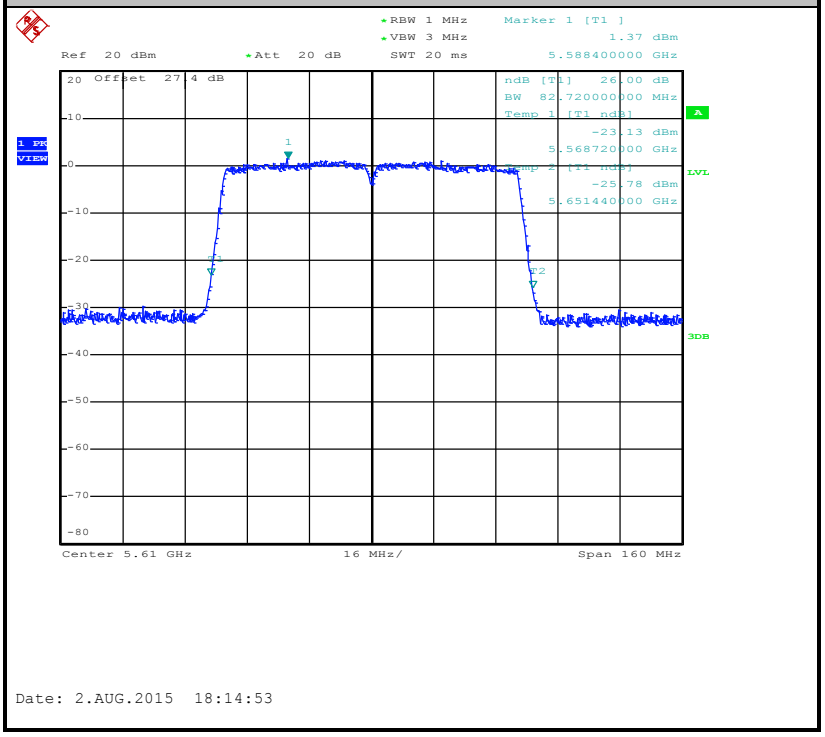
3.1.4 Test Setup



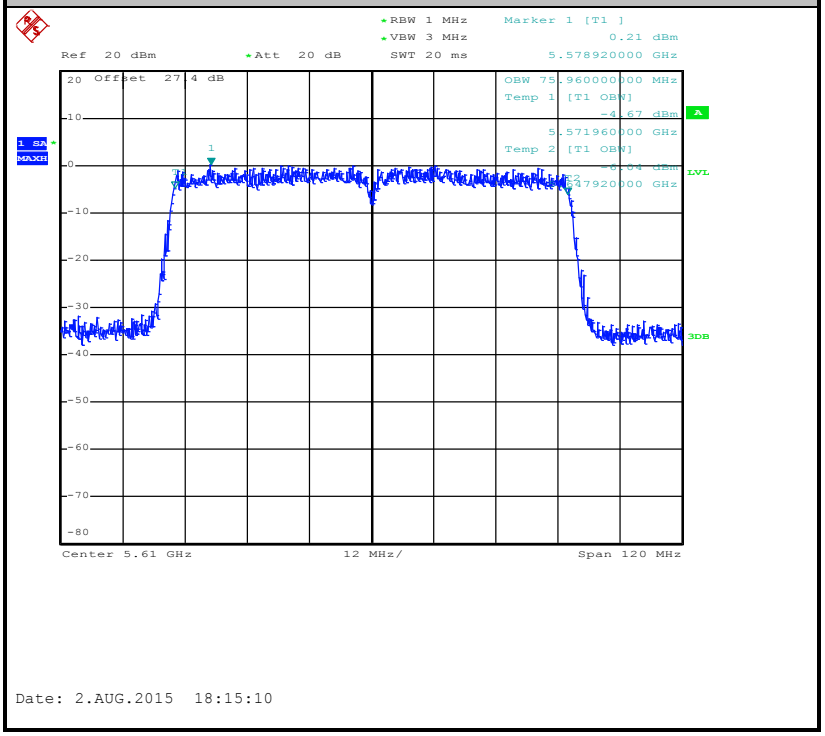
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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 the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

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

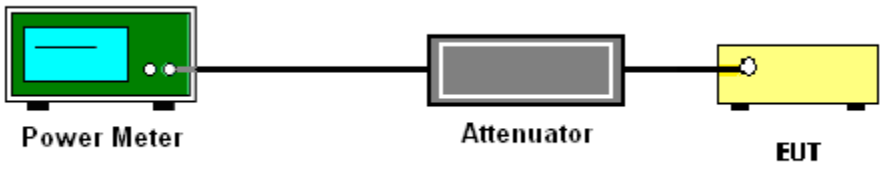
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is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

For straddle channel, the testing follows Method SA-3 (RMS detection with max hold) of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

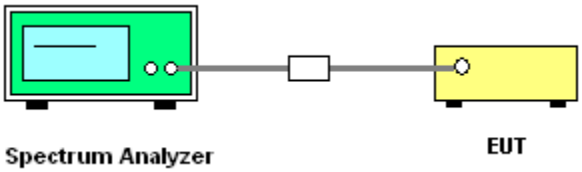
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:



For straddle channel:



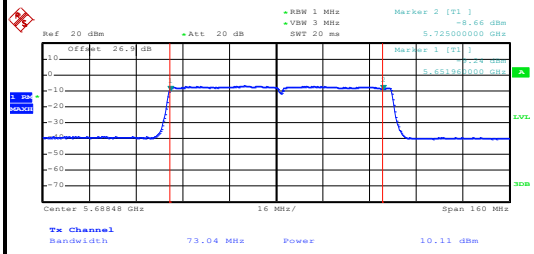
3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

Maximum Straddle Channel Power

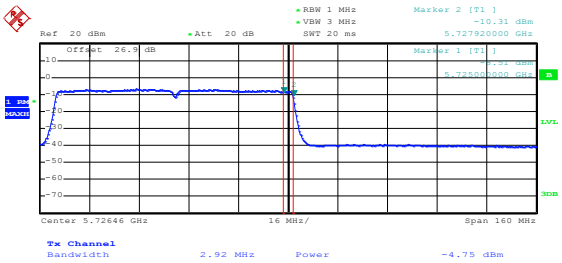
Ant. 1

NII-2C Band



Date: 3.AUG.2015 23:16:13

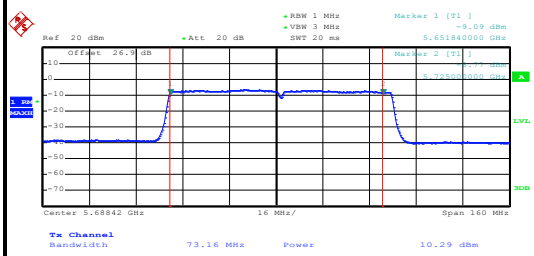
DTS Band



Date: 3.AUG.2015 23:16:25

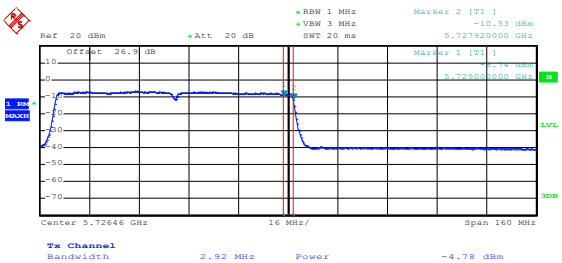
Ant. 2

NII-2C Band



Date: 3.AUG.2015 23:19:09

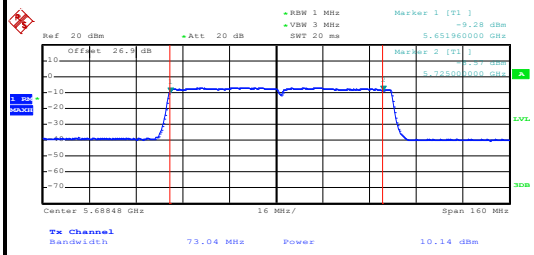
DTS Band



Date: 3.AUG.2015 23:19:20

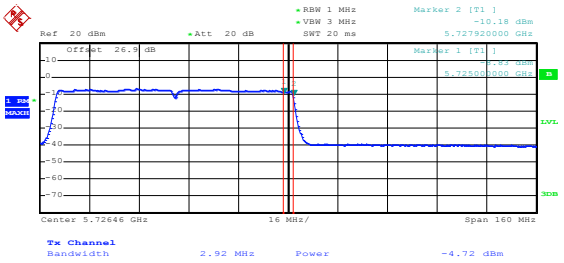
MIMO Ant. 1+2 (1)

NII-2C Band



Date: 3.AUG.2015 23:32:32

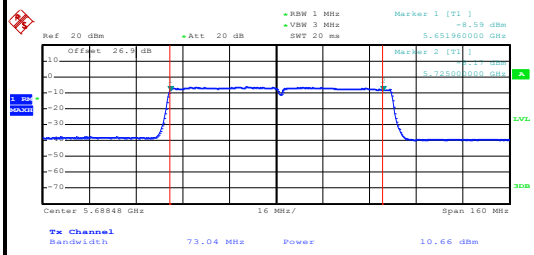
DTS Band



Date: 3.AUG.2015 23:32:52

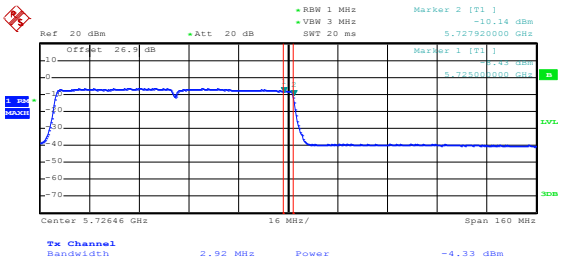
MIMO Ant. 1+2 (2)

NII-2C Band



Date: 3.AUG.2015 23:43:59

DTS Band



Date: 3.AUG.2015 23:36:18

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. 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).

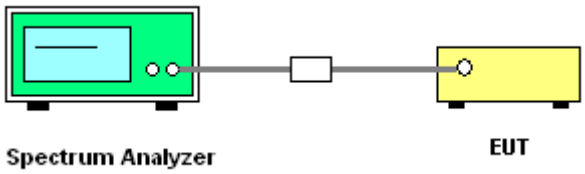
1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
   - Measure the duty cycle.
   - Set span to encompass the entire emission bandwidth (EBW) of the signal.
   - Set RBW = 1 MHz.
   - Set VBW ≥ 3 MHz.
   - Number of points in sweep ≥ 2 Span / RBW.
   - 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.

2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
4. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (1): Measure and sum the spectra across the outputs.

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

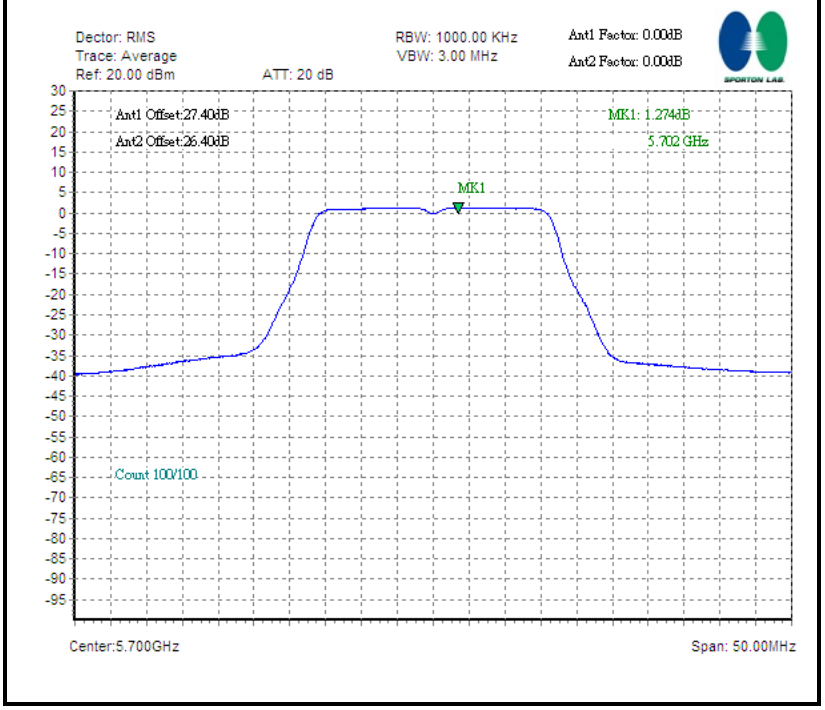
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

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

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

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
-17	78.3
- 27	68.3

(3) KDB789033 v01 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. 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

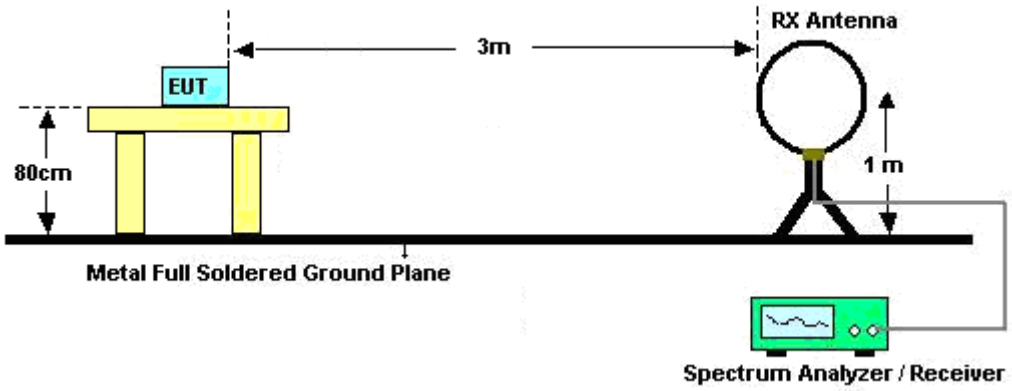
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	5GHz 802.11a for Ant 1	100.00	-	-	10Hz
1+2	5GHz 802.11a for Ant 2	100.00	-	-	
1+2	5GHz 802.11n HT20 for Ant 1	98.67	-	-	
1+2	5GHz 802.11n HT20 for Ant 2	98.67	-	-	
1+2	5GHz 802.11n HT40 for Ant 1	97.35	736.00	1.36	3kHz
1+2	5GHz 802.11n HT40 for Ant 2	97.37	740.00	1.35	
1+2	5GHz 802.11ac VHT80 for Ant 1	94.85	368.00	2.72	
1+2	5GHz 802.11ac VHT80 for Ant 2	94.79	364.00	2.75	

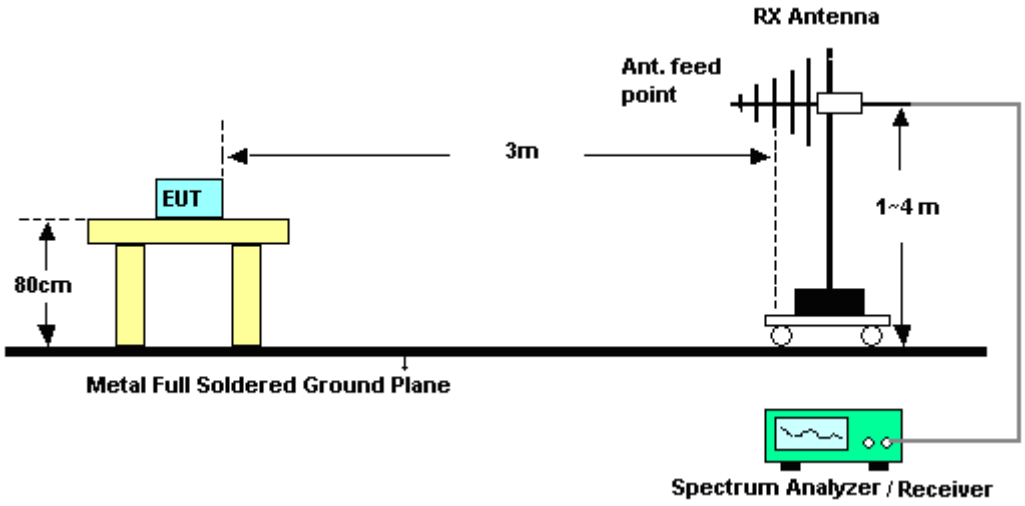
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

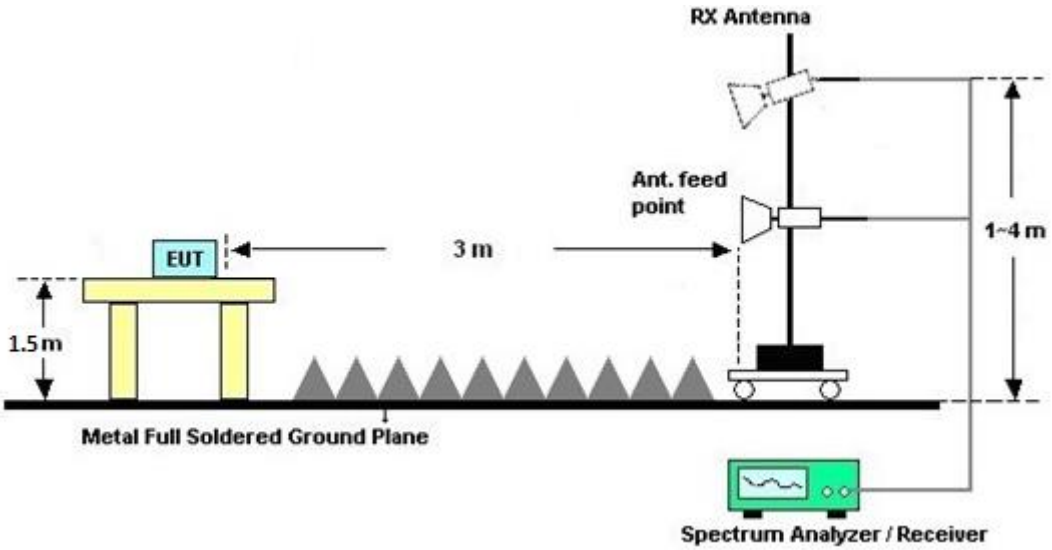
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix A.

3.4.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix A.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

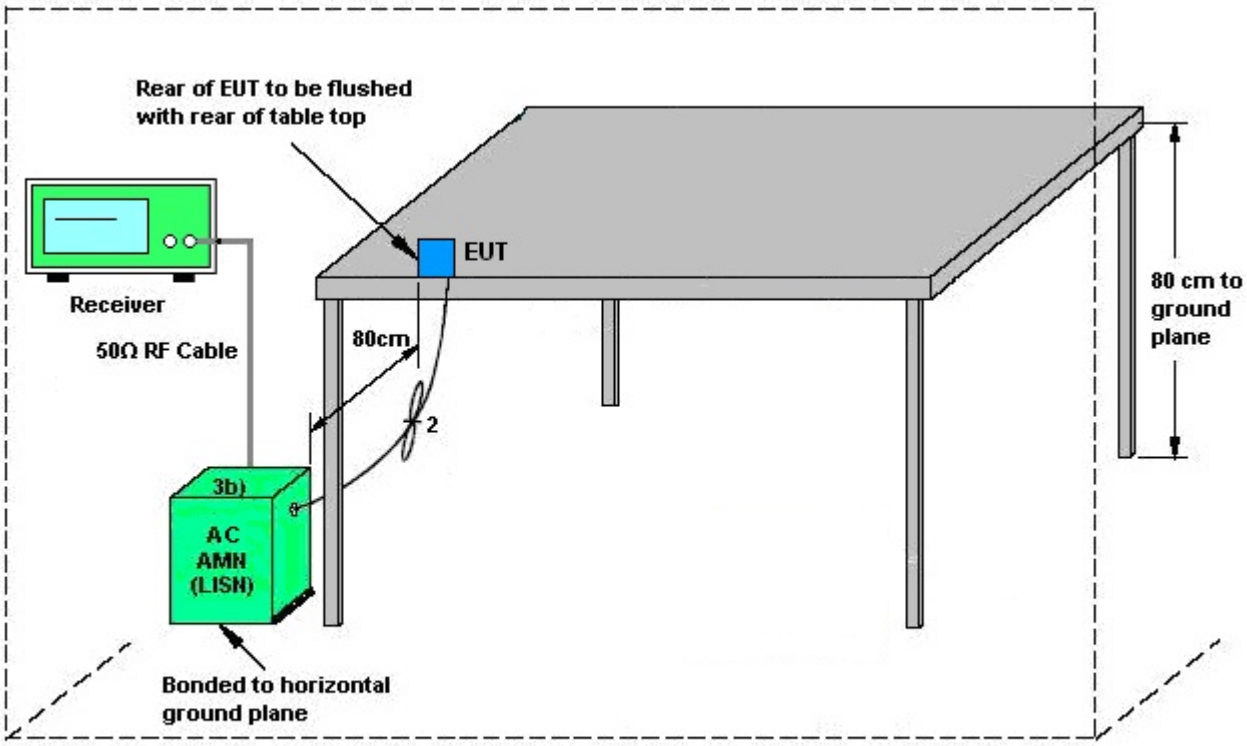
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

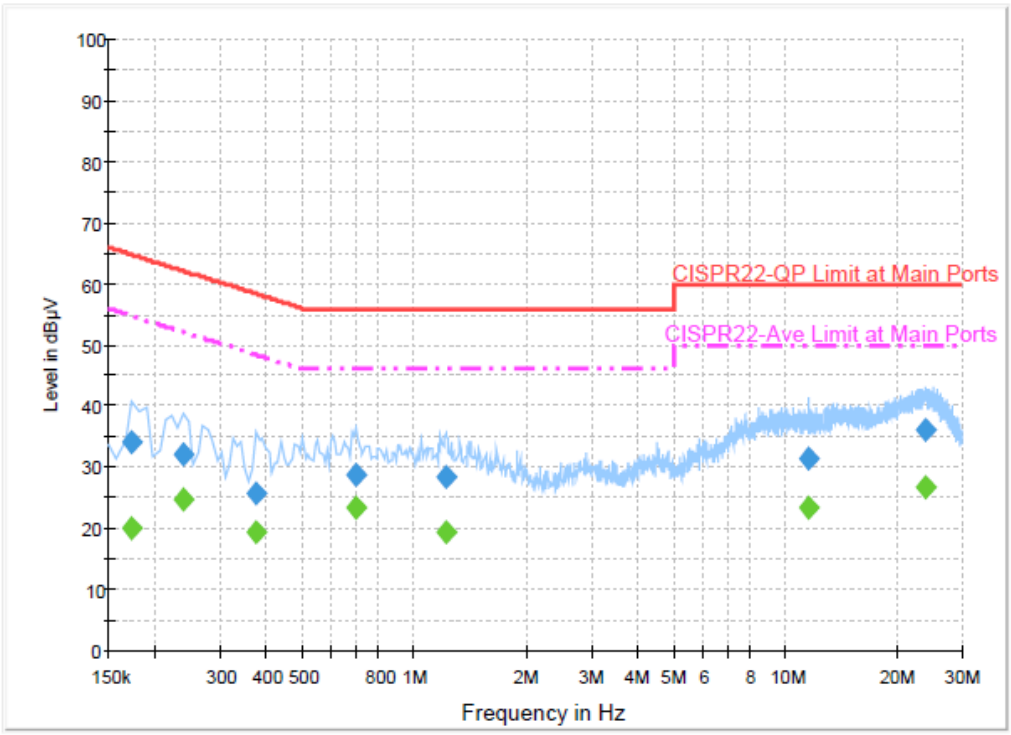
3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	23~25℃
Test Engineer :	Eric Jeng	Relative Humidity :	58~61%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (5GHz) Link + Earphone + USB Cable (Charging from Adapter)		



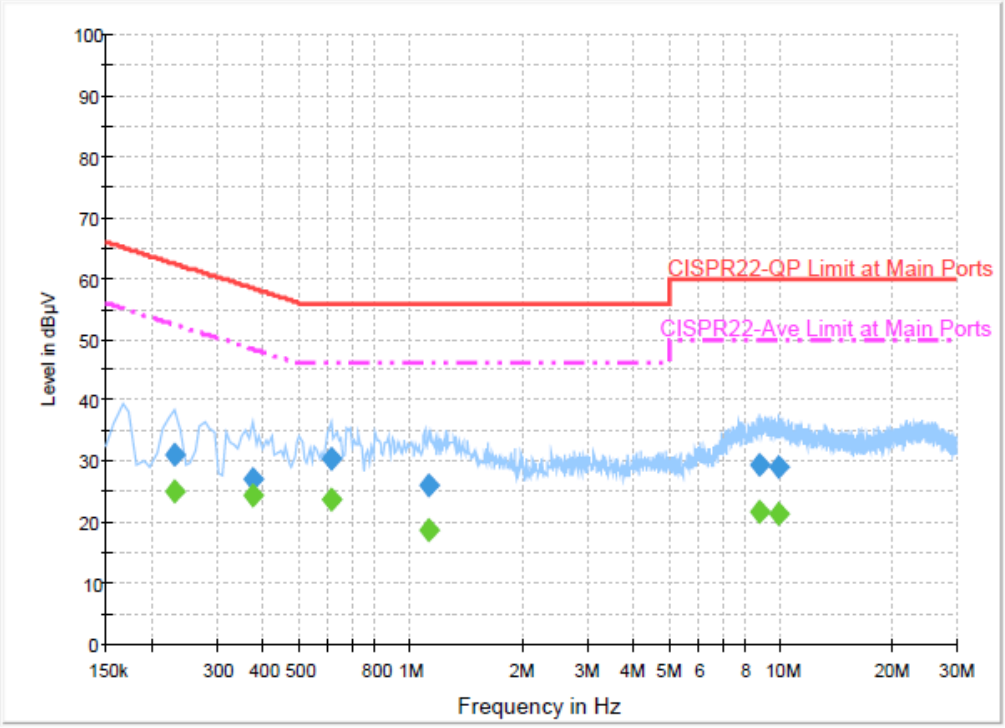
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	34.1	Off	L1	19.5	30.7	64.8
0.238000	32.1	Off	L1	19.5	30.1	62.2
0.374000	25.7	Off	L1	19.5	32.7	58.4
0.694000	28.9	Off	L1	19.6	27.1	56.0
1.214000	28.5	Off	L1	19.6	27.5	56.0
11.582000	31.6	Off	L1	19.9	28.4	60.0
23.902000	36.0	Off	L1	20.0	24.0	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	20.2	Off	L1	19.5	34.6	54.8
0.238000	24.8	Off	L1	19.5	27.4	52.2
0.374000	19.3	Off	L1	19.5	29.1	48.4
0.694000	23.3	Off	L1	19.6	22.7	46.0
1.214000	19.4	Off	L1	19.6	26.6	46.0
11.582000	23.3	Off	L1	19.9	26.7	50.0
23.902000	26.8	Off	L1	20.0	23.2	50.0

Test Mode :	Mode 1	Temperature :	23~25℃
Test Engineer :	Eric Jeng	Relative Humidity :	58~61%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (5GHz) Link + Earphone + USB Cable (Charging from Adapter)		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.230000	31.2	Off	N	19.6	31.2	62.4
0.374000	27.0	Off	N	19.5	31.4	58.4
0.614000	30.4	Off	N	19.5	25.6	56.0
1.126000	25.9	Off	N	19.5	30.1	56.0
8.790000	29.6	Off	N	19.8	30.4	60.0
9.942000	29.0	Off	N	19.9	31.0	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.230000	25.2	Off	N	19.6	27.2	52.4
0.374000	24.5	Off	N	19.5	23.9	48.4
0.614000	23.7	Off	N	19.5	22.3	46.0
1.126000	18.7	Off	N	19.5	27.3	46.0
8.790000	21.7	Off	N	19.8	28.3	50.0
9.942000	21.4	Off	N	19.9	28.6	50.0

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup

3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 Limit of Automatically Discontinue Transmission

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

3.7.2 Measuring Instruments

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

3.7.3 Test Result of Automatically Discontinue Transmission

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

3.8 Antenna Requirements

3.8.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports CDD mode.

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-3.80	-0.40	1.08	1.08	0.00	0.00
Band II	-3.80	-0.40	1.08	1.08	0.00	0.00
Band III	-4.30	-0.90	0.58	0.58	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1218006	300MHz~40GHz	Oct. 18, 2014	Jul. 27, 2015 ~ Aug. 04, 2015	Oct. 17, 2015	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz	Oct. 18, 2014	Jul. 27, 2015 ~ Aug. 04, 2015	Oct. 17, 2015	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Oct. 17, 2014	Jul. 27, 2015 ~ Aug. 04, 2015	Oct. 16, 2015	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃~95℃	Jun. 15, 2015	Jul. 27, 2015 ~ Aug. 04, 2015	Jun. 14, 2016	Conducted (TH05-HY)
Hygrometer	Testo	608-H1	34897199	N/A	May 04, 2015	Jul. 27, 2015 ~ Aug. 04, 2015	May 03, 2016	Conducted (TH05-HY)
RF Cable	HARBOUR INDUSTRIES	LL142	Infinet CA3601-3601-DLL	0.1MHz~40GHz	Mar. 06, 2015	Jul. 27, 2015 ~ Aug. 04, 2015	Mar. 05, 2016	Conducted (TH05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 03, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 02, 2015	Radiation (03CH11-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9kHZ~30MHz	Feb. 02, 2015	Aug. 07, 2015 ~ Aug. 13, 2015	Feb. 01, 2016	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	9kHz~1GHz	Dec. 04, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Dec. 03, 2015	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A	MY54130085	20Hz ~ 8.4GHz	Nov. 05, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 04, 2015	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 24, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 23, 2015	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Oct. 24, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Oct. 23, 2015	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 03, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Oct. 02, 2015	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTN-303B	TP140325	N/A	Nov. 19, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 18, 2015	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 20, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 19, 2015	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1902247	1GHz~18GHz	Jul. 01, 2015	Aug. 07, 2015 ~ Aug. 13, 2015	Jun. 30, 2016	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHZ	Sep. 24, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Sep. 23, 2015	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24967/4 MY28419/4 MY28654/4	25GHz~40GHz	Nov. 06, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 05, 2015	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24967/4 MY28419/4 MY28654/4	30MHz~1GHz	Nov. 06, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 05, 2015	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24967/4 MY28419/4 MY28654/4	1GHz~25GHz	Nov. 06, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Nov. 05, 2015	Radiation (03CH11-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 07, 2015 ~ Aug. 13, 2015	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 07, 2015 ~ Aug. 13, 2015	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0-360 degree	N/A	Aug. 07, 2015 ~ Aug. 13, 2015	N/A	Radiation (03CH11-HY)
Preamplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Aug. 07, 2015 ~ Aug. 13, 2015	Jun. 01, 2016	Radiation (03CH11-HY)
Filter	Wainwright	WLKS4500-8SS	SN19	4.5G Low Pass	Oct. 01, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Sep. 30, 2015	Radiation (03CH10-HY)
Filter	Microwave Circuits	H07G18G3	SN8009-01	7GHz HPF	Oct. 01, 2014	Aug. 07, 2015 ~ Aug. 13, 2015	Sep. 30, 2015	Radiation (03CH10-HY)
Test Software	Audix	E3	6.2009-8-24	N/A	N/A	Aug. 07, 2015 ~ Aug. 13, 2015	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz – 2.75GHz	Dec. 01, 2014	Aug. 15, 2015	Nov. 30, 2015	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Apr. 20, 2015	Aug. 15, 2015	Apr. 19, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2014	Aug. 15, 2015	Dec. 01, 2015	Conduction (CO05-HY)
AC Power Source()	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 15, 2015	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 07, 2015	Aug. 15, 2015	Jan. 06, 2016	Conduction (CO05-HY)
Test Software	N/A	EMC32	8.40.0	N/A	N/A	Aug. 15, 2015	N/A	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))	**2.26**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.80**

Appendix A. Conducted Test Results

Test Engineer:	Stuart Lin	Temperature:	21~25	°C
Test Date:	2015/07/27 ~ 2015/08/04	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	2	36	5180	18.10	18.10	23.00	22.85	-		22.58			
11a	6Mbps	2	44	5220	18.25	18.30	23.10	22.70	-		22.61			
11a	6Mbps	2	48	5240	17.25	17.20	20.65	20.55	-		22.36			
HT20	MCS8	2	36	5180	18.90	18.95	23.10	23.10	-		22.76			
HT20	MCS8	2	44	5220	19.00	19.00	23.30	23.30	-		22.79			
HT20	MCS8	2	48	5240	18.05	18.05	20.95	20.90	-		22.56			
HT40	MCS8	2	38	5190	36.70	36.60	41.67	41.31	-		23.01			
HT40	MCS8	2	46	5230	36.70	36.60	41.67	41.31	-		23.01			
VHT20	MCS0	2	36	5180	19.00	18.80	23.30	23.10	-		22.74			
VHT20	MCS0	2	44	5220	19.00	18.85	23.40	23.25	-		22.75			
VHT20	MCS0	2	48	5240	18.00	18.05	20.95	20.90	-		22.55			
VHT40	MCS0	2	38	5190	36.60	36.60	41.67	41.40	-		23.01			
VHT40	MCS0	2	46	5230	36.70	36.70	41.76	41.40	-		23.01			
VHT80	MCS0	2	42	5210	75.84	75.96	82.56	82.08	-		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	0.08	0.06	9.68	9.56		24.00	24.00	-3.80	-0.40		Pass
11a	6Mbps	1	44	5220	0.08	0.06	9.53	9.59		24.00	24.00	-3.80	-0.40		Pass
11a	6Mbps	1	48	5240	0.08	0.06	9.56	9.51		24.00	24.00	-3.80	-0.40		Pass
HT20	MCS0	1	36	5180	0.09	0.06	9.68	9.52		24.00	24.00	-3.80	-0.40		Pass
HT20	MCS0	1	44	5220	0.09	0.06	9.57	9.56		24.00	24.00	-3.80	-0.40		Pass
HT20	MCS0	1	48	5240	0.09	0.06	9.62	9.50		24.00	24.00	-3.80	-0.40		Pass
HT40	MCS0	1	38	5190	0.15	0.15	9.50	9.51		24.00	24.00	-3.80	-0.40		Pass
HT40	MCS0	1	46	5230	0.15	0.15	9.56	9.53		24.00	24.00	-3.80	-0.40		Pass
VHT20	MCS0	1	36	5180	0.09	0.06	9.56	9.56		24.00	24.00	-3.80	-0.40		Pass
VHT20	MCS0	1	44	5220	0.09	0.06	9.59	9.62		24.00	24.00	-3.80	-0.40		Pass
VHT20	MCS0	1	48	5240	0.09	0.06	9.75	9.72		24.00	24.00	-3.80	-0.40		Pass
VHT40	MCS0	1	38	5190	0.15	0.15	9.57	9.66		24.00	24.00	-3.80	-0.40		Pass
VHT40	MCS0	1	46	5230	0.15	0.15	9.50	9.61		24.00	24.00	-3.80	-0.40		Pass
VHT80	MCS0	1	42	5210	0.29	0.29	9.71	9.54		24.00	24.00	-3.80	-0.40		Pass
11a	6Mbps	2	36	5180	0.00	0.00	9.55	9.85	12.71	24.00		1.08			Pass
11a	6Mbps	2	44	5220	0.00	0.00	9.66	9.85	12.59	24.00		1.08			Pass
11a	6Mbps	2	48	5240	0.00	0.00	9.69	9.85	12.65	24.00		1.08			Pass
HT20	MCS8	2	36	5180	0.06	0.06	9.88	9.86	12.88	24.00		1.08			Pass
HT20	MCS8	2	44	5220	0.06	0.06	9.69	9.86	12.80	24.00		1.08			Pass
HT20	MCS8	2	48	5240	0.06	0.06	9.79	9.86	12.72	24.00		1.08			Pass
HT40	MCS8	2	38	5190	0.12	0.12	9.98	9.74	12.87	24.00		1.08			Pass
HT40	MCS8	2	46	5230	0.12	0.12	9.98	9.74	12.95	24.00		1.08			Pass
VHT20	MCS0	2	36	5180	0.06	0.06	9.61	9.90	12.77	24.00		1.08			Pass
VHT20	MCS0	2	44	5220	0.06	0.06	9.84	9.96	12.91	24.00		1.08			Pass
VHT20	MCS0	2	48	5240	0.06	0.06	9.71	9.92	12.82	24.00		1.08			Pass
VHT40	MCS0	2	38	5190	0.12	0.12	9.79	9.53	12.75	24.00		1.08			Pass
VHT40	MCS0	2	46	5230	0.12	0.12	9.77	9.63	12.76	24.00		1.08			Pass
VHT80	MCS0	2	42	5210	0.23	0.23	9.70	9.74	12.73	24.00		1.08			Pass

IC Band I																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			IC Conducted Power Limit (dBm)		DG (dBi)		IC EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.08	0.06	9.68	9.56		26.38	22.98	-3.80	-0.40	22.58	22.58	Pass
11a	6Mbps	1	44	5220	0.08	0.06	9.53	9.59		26.41	23.02	-3.80	-0.40	22.61	22.62	Pass
11a	6Mbps	1	48	5240	0.08	0.06	9.56	9.51		26.17	22.76	-3.80	-0.40	22.37	22.36	Pass
HT20	MCS0	1	36	5180	0.09	0.06	9.68	9.52		26.56	23.18	-3.80	-0.40	22.76	22.78	Pass
HT20	MCS0	1	44	5220	0.09	0.06	9.57	9.56		26.59	23.19	-3.80	-0.40	22.79	22.79	Pass
HT20	MCS0	1	48	5240	0.09	0.06	9.62	9.50		26.36	22.96	-3.80	-0.40	22.56	22.56	Pass
HT40	MCS0	1	38	5190	0.15	0.15	9.50	9.51		26.81	23.41	-3.80	-0.40	23.01	23.01	Pass
HT40	MCS0	1	46	5230	0.15	0.15	9.56	9.53		26.81	23.41	-3.80	-0.40	23.01	23.01	Pass
VHT20	MCS0	1	36	5180	0.09	0.06	9.56	9.56		26.59	23.14	-3.80	-0.40	22.79	22.74	Pass
VHT20	MCS0	1	44	5220	0.09	0.06	9.59	9.62		26.59	23.15	-3.80	-0.40	22.79	22.75	Pass
VHT20	MCS0	1	48	5240	0.09	0.06	9.75	9.72		26.35	22.96	-3.80	-0.40	22.55	22.56	Pass
VHT40	MCS0	1	38	5190	0.15	0.15	9.57	9.66		26.81	23.41	-3.80	-0.40	23.01	23.01	Pass
VHT40	MCS0	1	46	5230	0.15	0.15	9.50	9.61		26.81	23.41	-3.80	-0.40	23.01	23.01	Pass
VHT80	MCS0	1	42	5210	0.29	0.29	9.71	9.54		26.81	23.41	-3.80	-0.40	23.01	23.01	Pass
11a	6Mbps	2	36	5180	0.00	0.00	9.55	9.85	12.71	21.50		1.08		22.58		Pass
11a	6Mbps	2	44	5220	0.00	0.00	9.66	9.85	12.59	21.54		1.08		22.61		Pass
11a	6Mbps	2	48	5240	0.00	0.00	9.69	9.85	12.65	21.28		1.08		22.36		Pass
HT20	MCS8	2	36	5180	0.06	0.06	9.88	9.86	12.88	21.69		1.08		22.76		Pass
HT20	MCS8	2	44	5220	0.06	0.06	9.69	9.86	12.80	21.71		1.08		22.79		Pass
HT20	MCS8	2	48	5240	0.06	0.06	9.79	9.86	12.72	21.49		1.08		22.56		Pass
HT40	MCS8	2	38	5190	0.12	0.12	9.98	9.74	12.87	21.93		1.08		23.01		Pass
HT40	MCS8	2	46	5230	0.12	0.12	9.98	9.74	12.95	21.93		1.08		23.01		Pass
VHT20	MCS0	2	36	5180	0.06	0.06	9.61	9.90	12.77	21.67		1.08		22.74		Pass
VHT20	MCS0	2	44	5220	0.06	0.06	9.84	9.96	12.91	21.68		1.08		22.75		Pass
VHT20	MCS0	2	48	5240	0.06	0.06	9.71	9.92	12.82	21.48		1.08		22.55		Pass
VHT40	MCS0	2	38	5190	0.12	0.12	9.79	9.53	12.75	21.93		1.08		23.01		Pass
VHT40	MCS0	2	46	5230	0.12	0.12	9.77	9.63	12.76	21.93		1.08		23.01		Pass
VHT80	MCS0	2	42	5210	0.23	0.23	9.70	9.74	12.73	21.93		1.08		23.01		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	2	36	5180	0.00	0.00			1.09	11.00		1.08			Pass
11a	6Mbps	2	44	5220	0.00	0.00			1.14	11.00		1.08			Pass
11a	6Mbps	2	48	5240	0.00	0.00			1.30	11.00		1.08			Pass
HT20	MCS8	2	36	5180	0.06	0.06			0.86	11.00		1.08			Pass
HT20	MCS8	2	44	5220	0.06	0.06			0.84	11.00		1.08			Pass
HT20	MCS8	2	48	5240	0.06	0.06			1.05	11.00		1.08			Pass
HT40	MCS8	2	38	5190	0.12	0.12			-2.07	11.00		1.08			Pass
HT40	MCS8	2	46	5230	0.12	0.12			-2.10	11.00		1.08			Pass
VHT20	MCS0	2	36	5180	0.06	0.06			0.97	11.00		1.08			Pass
VHT20	MCS0	2	44	5220	0.06	0.06			0.94	11.00		1.08			Pass
VHT20	MCS0	2	48	5240	0.06	0.06			0.92	11.00		1.08			Pass
VHT40	MCS0	2	38	5190	0.12	0.12			-2.11	11.00		1.08			Pass
VHT40	MCS0	2	46	5230	0.12	0.12			-2.12	11.00		1.08			Pass
VHT80	MCS0	2	42	5210	0.23	0.23			-4.84	11.00		1.08			Pass

IC Band I																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		IC EIRP PSD Limit (dBm/MHz)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	0.00	0.00			1.09	8.92		1.08		10		Pass
11a	6Mbps	2	44	5220	0.00	0.00			1.14	8.92		1.08		10		Pass
11a	6Mbps	2	48	5240	0.00	0.00			1.30	8.92		1.08		10		Pass
HT20	MCS8	2	36	5180	0.06	0.06			0.86	8.92		1.08		10		Pass
HT20	MCS8	2	44	5220	0.06	0.06			0.84	8.92		1.08		10		Pass
HT20	MCS8	2	48	5240	0.06	0.06			1.05	8.92		1.08		10		Pass
HT40	MCS8	2	38	5190	0.12	0.12			-2.07	8.92		1.08		10		Pass
HT40	MCS8	2	46	5230	0.12	0.12			-2.10	8.92		1.08		10		Pass
VHT20	MCS0	2	36	5180	0.06	0.06			0.97	8.92		1.08		10		Pass
VHT20	MCS0	2	44	5220	0.06	0.06			0.94	8.92		1.08		10		Pass
VHT20	MCS0	2	48	5240	0.06	0.06			0.92	8.92		1.08		10		Pass
VHT40	MCS0	2	38	5190	0.12	0.12			-2.11	8.92		1.08		10		Pass
VHT40	MCS0	2	46	5230	0.12	0.12			-2.12	8.92		1.08		10		Pass
VHT80	MCS0	2	42	5210	0.23	0.23			-4.84	8.92		1.08		10		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	2	52	5260	17.25	17.20	20.65	20.50	23.36		29.36		23.98		
11a	6Mbps	2	60	5300	18.15	18.05	23.10	22.80	23.56		29.56		23.98		
11a	6Mbps	2	64	5320	18.25	18.10	23.00	22.70	23.58		29.58		23.98		
HT20	MCS8	2	52	5260	18.00	18.00	20.85	21.05	23.55		29.55		23.98		
HT20	MCS8	2	60	5300	19.05	18.95	23.25	23.15	23.78		29.78		23.98		
HT20	MCS8	2	64	5320	18.95	19.00	23.25	23.10	23.78		29.78		23.98		
HT40	MCS8	2	54	5270	36.70	36.60	41.58	41.31	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.70	36.60	41.67	41.40	23.98		30.00		23.98		
VHT20	MCS0	2	52	5260	18.00	18.00	20.90	20.75	23.55		29.55		23.98		
VHT20	MCS0	2	60	5300	19.20	18.90	23.30	23.00	23.76		29.76		23.98		
VHT20	MCS0	2	64	5320	18.95	18.95	23.35	23.20	23.78		29.78		23.98		
VHT40	MCS0	2	54	5270	36.70	36.60	41.58	41.40	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.90	36.70	41.58	41.31	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.96	75.84	82.40	82.24	23.98		30.00		23.98		

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TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.08	0.06	9.53	9.54		23.98	23.98	-3.80	-0.40		Pass
11a	6Mbps	1	60	5300	0.08	0.06	9.52	9.52		23.98	23.98	-3.80	-0.40		Pass
11a	6Mbps	1	64	5320	0.08	0.06	9.60	9.59		23.98	23.98	-3.80	-0.40		Pass
HT20	MCS0	1	52	5260	0.09	0.06	9.71	9.51		23.98	23.98	-3.80	-0.40		Pass
HT20	MCS0	1	60	5300	0.09	0.06	9.67	9.54		23.98	23.98	-3.80	-0.40		Pass
HT20	MCS0	1	64	5320	0.09	0.06	9.52	9.57		23.98	23.98	-3.80	-0.40		Pass
HT40	MCS0	1	54	5270	0.15	0.15	9.55	9.55		23.98	23.98	-3.80	-0.40		Pass
HT40	MCS0	1	62	5310	0.15	0.15	9.53	9.59		23.98	23.98	-3.80	-0.40		Pass
VHT20	MCS0	1	52	5260	0.09	0.06	9.58	9.55		23.98	23.98	-3.80	-0.40		Pass
VHT20	MCS0	1	60	5300	0.09	0.06	9.51	9.54		23.98	23.98	-3.80	-0.40		Pass
VHT20	MCS0	1	64	5320	0.09	0.06	9.60	9.60		23.98	23.98	-3.80	-0.40		Pass
VHT40	MCS0	1	54	5270	0.15	0.15	9.63	9.59		23.98	23.98	-3.80	-0.40		Pass
VHT40	MCS0	1	62	5310	0.15	0.15	9.73	9.57		23.98	23.98	-3.80	-0.40		Pass
VHT80	MCS0	1	58	5290	0.29	0.29	9.57	9.59		23.98	23.98	-3.80	-0.40		Pass
11a	6Mbps	2	52	5260	0.00	0.00	9.76	9.85	12.86	23.98		1.08			Pass
11a	6Mbps	2	60	5300	0.00	0.00	9.77	9.85	12.74	23.98		1.08			Pass
11a	6Mbps	2	64	5320	0.00	0.00	9.87	9.85	12.87	23.98		1.08			Pass
HT20	MCS8	2	52	5260	0.06	0.06	9.98	9.86	12.95	23.98		1.08			Pass
HT20	MCS8	2	60	5300	0.06	0.06	9.78	9.86	12.76	23.98		1.08			Pass
HT20	MCS8	2	64	5320	0.06	0.06	9.87	9.86	12.94	23.98		1.08			Pass
HT40	MCS8	2	54	5270	0.12	0.12	9.98	9.74	12.80	23.98		1.08			Pass
HT40	MCS8	2	62	5310	0.12	0.12	9.98	9.74	12.77	23.98		1.08			Pass
VHT20	MCS0	2	52	5260	0.06	0.06	9.99	9.84	12.92	23.98		1.08			Pass
VHT20	MCS0	2	60	5300	0.06	0.06	9.84	9.72	12.79	23.98		1.08			Pass
VHT20	MCS0	2	64	5320	0.06	0.06	9.79	9.84	12.82	23.98		1.08			Pass
VHT40	MCS0	2	54	5270	0.12	0.12	9.92	9.53	12.74	23.98		1.08			Pass
VHT40	MCS0	2	62	5310	0.12	0.12	9.95	9.63	12.80	23.98		1.08			Pass
VHT80	MCS0	2	58	5290	0.23	0.23	9.81	9.53	12.68	23.98		1.08			Pass

IC Band II																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			IC Conducted Power Limit (dBm)		DG (dBi)		IC EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.08	0.06	9.53	9.54	-	23.37	29.37	-3.80	-0.40	29.37	29.36	Pass
11a	6Mbps	1	60	5300	0.08	0.06	9.52	9.52		23.59	29.59	-3.80	-0.40	29.59	29.56	Pass
11a	6Mbps	1	64	5320	0.08	0.06	9.60	9.59		23.61	29.61	-3.80	-0.40	29.61	29.58	Pass
HT20	MCS0	1	52	5260	0.09	0.06	9.71	9.51		23.55	29.55	-3.80	-0.40	29.55	29.55	Pass
HT20	MCS0	1	60	5300	0.09	0.06	9.67	9.54		23.80	29.80	-3.80	-0.40	29.80	29.78	Pass
HT20	MCS0	1	64	5320	0.09	0.06	9.52	9.57		23.78	29.78	-3.80	-0.40	29.78	29.79	Pass
HT40	MCS0	1	54	5270	0.15	0.15	9.55	9.55		23.98	30.00	-3.80	-0.40	30.00	30.00	Pass
HT40	MCS0	1	62	5310	0.15	0.15	9.53	9.59		23.98	30.00	-3.80	-0.40	30.00	30.00	Pass
VHT20	MCS0	1	52	5260	0.09	0.06	9.58	9.55		23.55	29.55	-3.80	-0.40	29.55	29.55	Pass
VHT20	MCS0	1	60	5300	0.09	0.06	9.51	9.54		23.83	29.83	-3.80	-0.40	29.83	29.76	Pass
VHT20	MCS0	1	64	5320	0.09	0.06	9.60	9.60		23.78	29.78	-3.80	-0.40	29.78	29.78	Pass
VHT40	MCS0	1	54	5270	0.15	0.15	9.63	9.59		23.98	30.00	-3.80	-0.40	30.00	30.00	Pass
VHT40	MCS0	1	62	5310	0.15	0.15	9.73	9.57		23.98	30.00	-3.80	-0.40	30.00	30.00	Pass
VHT80	MCS0	1	58	5290	0.29	0.29	9.57	9.59		23.98	30.00	-3.80	-0.40	30.00	30.00	Pass
11a	6Mbps	2	52	5260	0.00	0.00	9.76	9.85	12.86	23.36		1.08		29.36		Pass
11a	6Mbps	2	60	5300	0.00	0.00	9.77	9.85	12.74	23.56		1.08		29.56		Pass
11a	6Mbps	2	64	5320	0.00	0.00	9.87	9.85	12.87	23.58		1.08		29.58		Pass
HT20	MCS8	2	52	5260	0.06	0.06	9.98	9.86	12.95	23.55		1.08		29.55		Pass
HT20	MCS8	2	60	5300	0.06	0.06	9.78	9.86	12.76	23.78		1.08		29.78		Pass
HT20	MCS8	2	64	5320	0.06	0.06	9.87	9.86	12.94	23.78		1.08		29.78		Pass
HT40	MCS8	2	54	5270	0.12	0.12	9.98	9.74	12.80	23.98		1.08		30.00		Pass
HT40	MCS8	2	62	5310	0.12	0.12	9.98	9.74	12.77	23.98		1.08		30.00		Pass
VHT20	MCS0	2	52	5260	0.06	0.06	9.99	9.84	12.92	23.55		1.08		29.55		Pass
VHT20	MCS0	2	60	5300	0.06	0.06	9.84	9.72	12.79	23.76		1.08		29.76		Pass
VHT20	MCS0	2	64	5320	0.06	0.06	9.79	9.84	12.82	23.78		1.08		29.78		Pass
VHT40	MCS0	2	54	5270	0.12	0.12	9.92	9.53	12.74	23.98		1.08		30.00		Pass
VHT40	#####	2	62	5310	0.12	0.12	9.95	9.63	12.80	23.98		1.08		30.00		Pass
VHT80	MCS0	2	58	5290	0.23	0.23	9.81	9.53	12.68	23.98		1.08		30.00		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	2	52	5260	0.00	0.00			1.28	11.00		1.08			Pass
11a	6Mbps	2	60	5300	0.00	0.00			1.04	11.00		1.08			Pass
11a	6Mbps	2	64	5320	0.00	0.00			0.92	11.00		1.08			Pass
HT20	MCS8	2	52	5260	0.06	0.06			1.10	11.00		1.08			Pass
HT20	MCS8	2	60	5300	0.06	0.06			0.81	11.00		1.08			Pass
HT20	MCS8	2	64	5320	0.06	0.06			0.70	11.00		1.08			Pass
HT40	MCS8	2	54	5270	0.12	0.12			-1.90	11.00		1.08			Pass
HT40	MCS8	2	62	5310	0.12	0.12			-2.15	11.00		1.08			Pass
VHT20	MCS0	2	52	5260	0.06	0.06			0.91	11.00		1.08			Pass
VHT20	MCS0	2	60	5300	0.06	0.06			0.72	11.00		1.08			Pass
VHT20	MCS0	2	64	5320	0.06	0.06			0.73	11.00		1.08			Pass
VHT40	MCS0	2	54	5270	0.12	0.12			-2.12	11.00		1.08			Pass
VHT40	MCS0	2	62	5310	0.12	0.12			-2.16	11.00		1.08			Pass
VHT80	MCS0	2	58	5290	0.23	0.23			-4.86	11.00		1.08			Pass

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TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	18.20	18.25	23.15	22.70	23.60		29.60		23.98		
11a	6Mbps	2	116	5580	17.30	17.25	20.70	20.45	23.37		29.37		23.98		
11a	6Mbps	2	140	5700	18.25	18.10	22.90	22.75	23.58		29.58		23.98		
HT20	MCS8	2	100	5500	19.00	19.00	23.25	23.20	23.79		29.79		23.98		
HT20	MCS8	2	116	5580	18.05	18.05	21.10	20.95	23.56		29.56		23.98		
HT20	MCS8	2	140	5700	18.95	18.95	23.45	23.25	23.78		29.78		23.98		
HT40	MCS8	2	102	5510	36.70	36.70	41.49	41.40	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	36.70	36.60	41.67	41.31	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.70	36.70	41.58	41.31	23.98		30.00		23.98		
VHT20	MCS0	2	100	5500	19.05	18.85	23.45	23.15	23.75		29.75		23.98		
VHT20	MCS0	2	116	5580	18.05	18.05	20.85	20.90	23.56		29.56		23.98		
VHT20	MCS0	2	140	5700	18.95	18.85	23.50	23.20	23.75		29.75		23.98		
VHT40	MCS0	2	102	5510	36.70	36.70	41.67	41.31	23.98		30.00		23.98		
VHT40	MCS0	2	110	5550	36.70	36.60	41.76	41.31	23.98		30.00		23.98		
VHT40	MCS0	2	134	5670	36.80	36.80	41.67	41.31	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	75.96	75.84	82.24	81.76	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	75.96	75.84	82.72	82.24	23.98		30.00		23.98		

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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)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.08	0.06	9.56	9.57		23.98	23.98	-4.30	-0.90		Pass
11a	6Mbps	1	116	5580	0.08	0.06	9.52	9.78		23.98	23.98	-4.30	-0.90		Pass
11a	6Mbps	1	140	5700	0.08	0.06	9.54	9.52		23.98	23.98	-4.30	-0.90		Pass
HT20	MCS0	1	100	5500	0.09	0.06	9.87	9.67		23.98	23.98	-4.30	-0.90		Pass
HT20	MCS0	1	116	5580	0.09	0.06	9.56	9.66		23.98	23.98	-4.30	-0.90		Pass
HT20	MCS0	1	140	5700	0.09	0.06	9.60	9.62		23.98	23.98	-4.30	-0.90		Pass
HT40	MCS0	1	102	5510	0.15	0.15	9.54	9.58		23.98	23.98	-4.30	-0.90		Pass
HT40	MCS0	1	110	5550	0.15	0.15	9.67	9.63		23.98	23.98	-4.30	-0.90		Pass
HT40	MCS0	1	134	5670	0.15	0.15	9.65	9.51		23.98	23.98	-4.30	-0.90		Pass
VHT20	MCS0	1	100	5500	0.09	0.06	9.54	9.55		23.98	23.98	-4.30	-0.90		Pass
VHT20	MCS0	1	116	5580	0.09	0.06	9.50	9.60		23.98	23.98	-4.30	-0.90		Pass
VHT20	MCS0	1	140	5700	0.09	0.06	9.59	9.56		23.98	23.98	-4.30	-0.90		Pass
VHT40	MCS0	1	102	5510	0.15	0.15	9.54	9.50		23.98	23.98	-4.30	-0.90		Pass
VHT40	MCS0	1	110	5550	0.15	0.15	9.56	9.54		23.98	23.98	-4.30	-0.90		Pass
VHT40	MCS0	1	134	5670	0.15	0.15	9.65	9.60		23.98	23.98	-4.30	-0.90		Pass
VHT80	MCS0	1	106	5530	0.29	0.29	9.99	9.81		23.98	23.98	-4.30	-0.90		Pass
VHT80	MCS0	1	122	5610	0.29	0.29	9.56	9.47		23.98	23.98	-4.30	-0.90		Pass
11a	6Mbps	2	100	5500	0.00	0.00	9.73	9.85	12.84	23.98		0.58			Pass
11a	6Mbps	2	116	5580	0.00	0.00	9.85	9.85	12.93	23.98		0.58			Pass
11a	6Mbps	2	140	5700	0.00	0.00	9.54	9.85	12.71	23.98		0.58			Pass
HT20	MCS8	2	100	5500	0.06	0.06	9.83	9.86	12.88	23.98		0.58			Pass
HT20	MCS8	2	116	5580	0.06	0.06	9.96	9.86	12.97	23.98		0.58			Pass
HT20	MCS8	2	140	5700	0.06	0.06	9.71	9.86	12.68	23.98		0.58			Pass
HT40	MCS8	2	102	5510	0.12	0.12	9.98	9.74	12.78	23.98		0.58			Pass
HT40	MCS8	2	110	5550	0.12	0.12	9.98	9.74	12.89	23.98		0.58			Pass
HT40	MCS8	2	134	5670	0.12	0.12	9.98	9.74	12.77	23.98		0.58			Pass
VHT20	MCS0	2	100	5500	0.06	0.06	9.68	9.87	12.78	23.98		0.58			Pass
VHT20	MCS0	2	116	5580	0.06	0.06	9.82	9.84	12.84	23.98		0.58			Pass
VHT20	MCS0	2	140	5700	0.06	0.06	9.84	9.75	12.80	23.98		0.58			Pass
VHT40	MCS0	2	102	5510	0.12	0.12	10.00	9.76	12.89	23.98		0.58			Pass
VHT40	MCS0	2	110	5550	0.12	0.12	9.99	9.57	12.79	23.98		0.58			Pass
VHT40	MCS0	2	134	5670	0.12	0.12	9.97	9.55	12.77	23.98		0.58			Pass
VHT80	MCS0	2	106	5530	0.23	0.23	10.00	9.96	12.99	23.98		0.58			Pass
VHT80	MCS0	2	122	5610	0.23	0.23	9.82	9.95	12.90	23.98		0.58			Pass

IC Band III																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			IC Conducted Power Limit (dBm)		DG (dBi)		IC EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.08	0.06	9.56	9.57		23.60	29.60	-4.30	-0.90	29.60	29.61	Pass
11a	6Mbps	1	116	5580	0.08	0.06	9.52	9.78		23.38	29.38	-4.30	-0.90	29.38	29.37	Pass
11a	6Mbps	1	140	5700	0.08	0.06	9.54	9.52		23.61	29.61	-4.30	-0.90	29.61	29.58	Pass
HT20	MCS0	1	100	5500	0.09	0.06	9.87	9.67		23.79	29.79	-4.30	-0.90	29.79	29.79	Pass
HT20	MCS0	1	116	5580	0.09	0.06	9.56	9.66		23.56	29.56	-4.30	-0.90	29.56	29.56	Pass
HT20	MCS0	1	140	5700	0.09	0.06	9.60	9.62		23.78	29.78	-4.30	-0.90	29.78	29.78	Pass
HT40	MCS0	1	102	5510	0.15	0.15	9.54	9.58		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
HT40	MCS0	1	110	5550	0.15	0.15	9.67	9.63		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
HT40	MCS0	1	134	5670	0.15	0.15	9.65	9.51		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
VHT20	MCS0	1	100	5500	0.09	0.06	9.54	9.55		23.80	29.80	-4.30	-0.90	29.80	29.75	Pass
VHT20	MCS0	1	116	5580	0.09	0.06	9.50	9.60		23.56	29.56	-4.30	-0.90	29.56	29.56	Pass
VHT20	MCS0	1	140	5700	0.09	0.06	9.59	9.56		23.78	29.78	-4.30	-0.90	29.78	29.75	Pass
VHT40	MCS0	1	102	5510	0.15	0.15	9.54	9.50		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
VHT40	MCS0	1	110	5550	0.15	0.15	9.56	9.54		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
VHT40	MCS0	1	134	5670	0.15	0.15	9.65	9.60		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
VHT80	MCS0	1	106	5530	0.29	0.29	9.56	9.47		23.98	30.00	-4.30	-0.90	30.00	30.00	Pass
11a	MCS0	2	100	5500	0.00	0.00	9.73	9.85	12.84	23.60		0.58		29.60		Pass
11a	6Mbps	2	116	5580	0.00	0.00	9.85	9.85	12.93	23.37		0.58		29.37		Pass
11a	6Mbps	2	140	5700	0.00	0.00	9.54	9.85	12.71	23.58		0.58		29.58		Pass
HT20	MCS8	2	100	5500	0.06	0.06	9.83	9.86	12.88	23.79		0.58		29.79		Pass
HT20	MCS8	2	116	5580	0.06	0.06	9.96	9.86	12.97	23.56		0.58		29.56		Pass
HT20	MCS8	2	140	5700	0.06	0.06	9.71	9.86	12.68	23.78		0.58		29.78		Pass
HT40	MCS8	2	102	5510	0.12	0.12	9.98	9.74	12.78	23.98		0.58		30.00		Pass
HT40	MCS8	2	110	5550	0.12	0.12	9.98	9.74	12.89	23.98		0.58		30.00		Pass
HT40	MCS8	2	134	5670	0.12	0.12	9.98	9.74	12.77	23.98		0.58		30.00		Pass
VHT20	MCS0	2	100	5500	0.06	0.06	9.68	9.87	12.78	23.75		0.58		29.75		Pass
VHT20	MCS0	2	116	5580	0.06	0.06	9.82	9.84	12.84	23.56		0.58		29.56		Pass
VHT20	MCS0	2	140	5700	0.06	0.06	9.84	9.75	12.80	23.75		0.58		29.75		Pass
VHT40	MCS0	2	102	5510	0.12	0.12	10.00	9.76	12.89	23.98		0.58		30.00		Pass
VHT40	MCS0	2	110	5550	0.12	0.12	9.99	9.57	12.79	23.98		0.58		30.00		Pass
VHT40	MCS0	2	134	5670	0.12	0.12	9.97	9.55	12.77	23.98		0.58		30.00		Pass
VHT80	MCS0	2	106	5530	0.23	0.23	9.82	9.95	12.90	23.98		0.58		30.00		Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.00	0.00			1.27	11.00		0.58			Pass
11a	6Mbps	2	116	5580	0.00	0.00			1.18	11.00		0.58			Pass
11a	6Mbps	2	140	5700	0.00	0.00			1.27	11.00		0.58			Pass
HT20	MCS8	2	100	5500	0.06	0.06			0.69	11.00		0.58			Pass
HT20	MCS8	2	116	5580	0.06	0.06			1.11	11.00		0.58			Pass
HT20	MCS8	2	140	5700	0.06	0.06			0.77	11.00		0.58			Pass
HT40	MCS8	2	102	5510	0.12	0.12			-1.78	11.00		0.58			Pass
HT40	MCS8	2	110	5550	0.12	0.12			-1.95	11.00		0.58			Pass
HT40	MCS8	2	134	5670	0.12	0.12			-2.17	11.00		0.58			Pass
VHT20	MCS0	2	100	5500	0.06	0.06			0.94	11.00		0.58			Pass
VHT20	MCS0	2	116	5580	0.06	0.06			0.99	11.00		0.58			Pass
VHT20	MCS0	2	140	5700	0.06	0.06			0.67	11.00		0.58			Pass
VHT40	MCS0	2	102	5510	0.12	0.12			-1.81	11.00		0.58			Pass
VHT40	MCS0	2	110	5550	0.12	0.12			-1.91	11.00		0.58			Pass
VHT40	MCS0	2	134	5670	0.12	0.12			-2.36	11.00		0.58			Pass
VHT80	MCS0	2	106	5530	0.23	0.23			-4.34	11.00		0.58			Pass
VHT80	MCS0	2	122	5610	0.23	0.23			-5.16	11.00		0.58			Pass

TEST RESULTS DATA
26dB and 99% OBW

Straddle Channel														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		Emission 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	2	144	5720	18.00	18.15	22.80	22.70	-		-		-		
				NII-2C	14	14.1	16.4	16.4	22.46		28.46		23.15		
				NII-3	4	4.05	6.4	6.3	30.00		36.00		30.00		
HT20	MCS0	2	144	5720	18.90	18.90	23.25	23.10	-		-		-		
				NII-2C	14.45	14.5	16.7	16.6	22.60		28.60		23.20		
				NII-3	4.45	4.4	6.55	6.5	30.00		36.00		30.00		
HT40	MCS0	2	142	5710	36.70	36.60	41.67	41.31	-		-		-		
				NII-2C	33.4	33.4	35.97	35.7	23.98		30.00		23.98		
				NII-3	3.3	3.2	5.7	5.61	30.00		36.00		30.00		
VHT20	MCS0	2	144	5720	18.95	18.85	23.35	23.15	-		-		-		
				NII-2C	14.5	14.5	16.7	16.65	22.61		28.61		23.21		
				NII-3	4.45	4.35	6.65	6.5	30.00		36.00		30.00		
VHT40	MCS0	2	142	5710	36.70	36.70	41.49	41.22	-		-		-		
				NII-2C	33.4	33.4	35.7	35.61	23.98		30.00		23.98		
				NII-3	3.3	3.3	5.79	5.61	30.00		36.00		30.00		
VHT80	MCS0	2	138	5690	75.96	75.96	82.72	82.56	-		-		-		
				NII-2C	73.04	73.04	76.28	76.28	23.98		30.00		23.98		
				NII-3	2.92	2.92	6.44	6.28	30.00		36.00		30.00		

TEST RESULTS DATA
Average Power Table

FCC Straddle Channel															
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	144	5720	0.08	0.06	9.52	9.69		-	-	-4.30	-0.90		-
				NII-2C	0.08	0.06	8.59	8.77		23.20	23.20	-4.30	-0.90		Pass
				NII-3	0.08	0.06	2.36	2.49		30.00	30.00	-4.30	-0.90		Pass
HT20	MCS0	1	144	5720	0.09	0.06	9.56	9.86		-	-	-4.30	-0.90		-
				NII-2C	0.09	0.06	8.58	8.84		23.24	23.24	-4.30	-0.90		Pass
				NII-3	0.09	0.06	2.59	3.05		30.00	30.00	-4.30	-0.90		Pass
HT40	MCS0	1	142	5710	0.15	0.15	9.59	9.71		-	-	-4.30	-0.90		-
				NII-2C	0.15	0.15	9.20	9.35		23.98	23.98	-4.30	-0.90		Pass
				NII-3	0.15	0.15	-1.03	-1.26		30.00	30.00	-4.30	-0.90		Pass
VHT20	MCS0	1	144	5720	0.09	0.06	9.62	9.78		-	-	-4.30	-0.90		-
				NII-2C	0.09	0.06	8.58	8.77		23.19	23.21	-4.30	-0.90		Pass
				NII-3	0.09	0.06	2.92	2.96		30.00	30.00	-4.30	-0.90		Pass
VHT40	MCS0	1	142	5710	0.15	0.15	9.85	9.87		-	-	-4.30	-0.90		-
				NII-2C	0.15	0.15	9.49	9.50		23.98	23.98	-4.30	-0.90		Pass
				NII-3	0.15	0.15	-1.11	-1.07		30.00	30.00	-4.30	-0.90		Pass
VHT80	MCS0	1	138	5690	0.29	0.29	10.25	10.42		-	-	-4.30	-0.90		-
				NII-2C	0.29	0.29	10.11	10.29		23.98	23.98	-4.30	-0.90		Pass
				NII-3	0.29	0.29	-4.75	-4.78		30.00	30.00	-4.30	-0.90		Pass
11a	6Mbps	2	144	5720	0.00	0.00	9.62	9.94	12.79	-		0.58			-
				NII-2C	0.00	0.00	8.70	9.01	11.87	23.15		0.58			Pass
				NII-3	0.00	0.00	2.43	2.79	5.62	30.00		0.58			Pass
HT20	MCS0	2	144	5720	0.06	0.06	9.88	9.87	12.88	-		0.58			-
				NII-2C	0.06	0.06	8.88	8.85	11.88	23.20		0.58			Pass
				NII-3	0.06	0.06	3.01	3.06	6.05	30.00		0.58			Pass
HT40	MCS0	2	142	5710	0.12	0.12	10.02	10.37	13.21	-		0.58			-
				NII-2C	0.12	0.12	9.65	10.02	12.85	23.98		0.58			Pass
				NII-3	0.12	0.12	-0.92	-0.76	2.17	30.00		0.58			Pass
VHT20	MCS0	2	144	5720	0.06	0.06	10.18	10.22	13.21	-		0.58			-
				NII-2C	0.06	0.06	9.16	9.18	12.18	23.21		0.58			Pass
				NII-3	0.06	0.06	3.40	3.49	6.46	30.00		0.58			Pass
VHT40	MCS0	2	142	5710	0.12	0.12	9.96	10.08	13.03	-		0.58			-
				NII-2C	0.12	0.12	9.59	9.72	12.67	23.98		0.58			Pass
				NII-3	0.12	0.12	-0.90	-0.94	2.09	30.00		0.58			Pass
VHT80	MCS0	2	138	5690	0.23	0.23	10.28	10.80	13.56	-		0.58			-
				NII-2C	0.23	0.23	10.14	10.66	13.42	23.98		0.58			Pass
				NII-3	0.23	0.23	-4.72	-4.33	-1.51	30.00		0.58			Pass

IC Straddle Channel																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			IC Conducted Power Limit (dBm)		DG (dBi)		IC EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	0.08	0.06	9.52	9.69		-	-	-4.30	-0.90	-	-	-
				NII-2C	0.08	0.06	8.59	8.77		22.49	22.51	-4.30	-0.90	28.49	28.51	Pass
				NII-3	0.08	0.06	2.36	2.49		30.00	30.00	-4.30	-0.90	36.00	36.00	Pass
HT20	MCS0	1	144	5720	0.09	0.06	9.56	9.86		-	-	-4.30	-0.90	-	-	-
				NII-2C	0.09	0.06	8.58	8.84		22.63	22.64	-4.30	-0.90	28.63	28.64	Pass
				NII-3	0.09	0.06	2.59	3.05		30.00	30.00	-4.30	-0.90	36.00	36.00	Pass
HT40	MCS0	1	142	5710	0.15	0.15	9.59	9.71		-	-	-4.30	-0.90	-	-	-
				NII-2C	0.15	0.15	9.20	9.35		23.98	23.98	-4.30	-0.90	30.00	30.00	Pass
				NII-3	0.15	0.15	-1.03	-1.26		30.00	30.00	-4.30	-0.90	36.00	36.00	Pass
VHT20	MCS0	1	144	5720	0.09	0.06	9.62	9.78		-	-	-4.30	-0.90	-	-	-
				NII-2C	0.09	0.06	8.58	8.77		22.66	22.66	-4.30	-0.90	28.66	28.66	Pass
				NII-3	0.09	0.06	2.92	2.96		30.00	30.00	-4.30	-0.90	36.00	36.00	Pass
VHT40	MCS0	1	142	5710	0.15	0.15	9.85	9.87		-	-	-4.30	-0.90	-	-	-
				NII-2C	0.15	0.15	9.49	9.50		23.98	23.98	-4.30	-0.90	30.00	30.00	Pass
				NII-3	0.15	0.15	-1.11	-1.07		30.00	30.00	-4.30	-0.90	36.00	36.00	Pass
VHT80	MCS0	1	138	5690	0.29	0.29	10.25	10.42		-	-	-4.30	-0.90	-	-	-
				NII-2C	0.29	0.29	10.11	10.29		23.98	23.98	-4.30	-0.90	30.00	30.00	Pass
				NII-3	0.29	0.29	-4.75	-4.78		30.00	30.00	-4.30	-0.90	36.00	36.00	Pass
11a	6Mbps	2	144	5720	0.00	0.00	9.62	9.94	12.79	-		0.58		-		-
				NII-2C	0.00	0.00	8.70	9.01	11.87	22.46		0.58		28.46		Pass
				NII-3	0.00	0.00	2.43	2.79	5.62	30.00		0.58		36.00		Pass
HT20	MCS0	2	144	5720	0.06	0.06	9.88	9.87	12.88	-		0.58		-		-
				NII-2C	0.06	0.06	8.88	8.85	11.88	22.60		0.58		28.60		Pass
				NII-3	0.06	0.06	3.01	3.06	6.05	30.00		0.58		36.00		Pass
HT40	MCS0	2	142	5710	0.12	0.12	10.02	10.34	13.19	-		0.58		-		-
				NII-2C	0.12	0.12	9.65	9.99	12.83	23.98		0.58		30.00		Pass
				NII-3	0.12	0.12	-0.92	-0.76	2.17	30.00		0.58		36.00		Pass
VHT20	MCS0	2	144	5720	0.06	0.06	10.18	10.22	13.21	-		0.58		-		-
				NII-2C	0.06	0.06	9.16	9.18	12.18	22.61		0.58		28.61		Pass
				NII-3	0.06	0.06	3.40	3.49	6.46	30.00		0.58		36.00		Pass
VHT40	MCS0	2	142	5710	0.12	0.12	10.08	13.03	14.81	-		0.58		-		-
				NII-2C	0.12	0.12	9.72	12.67	14.45	23.98		0.58		30.00		Pass
				NII-3	0.12	0.12	-0.94	2.09	3.84	30.00		0.58		36.00		Pass
VHT80	MCS0	2	138	5690	0.23	0.23	10.80	13.56	15.40	-		0.58		-		-
				NII-2C	0.23	0.23	10.66	13.42	15.26	23.98		0.58		30.00		Pass
				NII-3	0.23	0.23	-4.33	-1.51	0.32	30.00		0.58		36.00		Pass

TEST RESULTS DATA
Power Spectral Density

Straddle Channel															
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	2	144	NII-2C	0.00	0.00			1.05	11.00		0.58			Pass
				NII-3	0.00	0.00			1.05	30.00		0.58			Pass
HT20	MCS0	2	144	NII-2C	0.06	0.06			0.77	11.00		0.58			Pass
				NII-3	0.06	0.06			0.77	30.00		0.58			Pass
HT40	MCS0	2	142	NII-2C	0.12	0.12			-1.93	11.00		0.58			Pass
				NII-3	0.12	0.12			-1.93	30.00		0.58			Pass
VHT20	MCS0	2	144	NII-2C	0.06	0.06			0.91	11.00		0.58			Pass
				NII-3	0.06	0.06			0.91	30.00		0.58			Pass
VHT40	MCS0	2	142	NII-2C	0.12	0.12			-2.13	11.00		0.58			Pass
				NII-3	0.12	0.12			-2.13	30.00		0.58			Pass
VHT80	MCS0	2	138	NII-2C	0.23	0.23			-5.15	11.00		0.58			Pass
				NII-3	0.23	0.23			-5.15	30.00		0.58			Pass

TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.6	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.2	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.8	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	3.8	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.6	
11a	6Mbps	1	64	5320	5320.025	0.025	4.70	20	4.2	
11a	6Mbps	1	64	5320	5319.975	-0.025	-4.70	20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	3.8	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	20	3.6	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	4.2	
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	20	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.8	

Appendix B. Radiated Spurious Emission

Test Engineer :	Nick Yu and Jesse Wang	Temperature :	22~24°C
		Relative Humidity :	55~58%

15E Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5140.1	50.32	-23.68	74	43.19	31.72	8.95	33.54	100	120	P	H
		5149.85	42.03	-11.97	54	34.9	31.72	8.95	33.54	100	120	A	H
	*	5180	102.57	-	-	95.39	31.75	8.97	33.54	100	120	P	H
	*	5180	98.29	-	-	91.11	31.75	8.97	33.54	100	120	A	H
													H
													H
		5032.25	49.32	-24.68	74	42.36	31.63	8.86	33.53	380	85	P	V
		5150	39.79	-14.21	54	32.66	31.72	8.95	33.54	380	85	A	V
	*	5180	99.38	-	-	92.2	31.75	8.97	33.54	380	85	P	V
	*	5180	94.89	-	-	87.71	31.75	8.97	33.54	380	85	A	V
													V
													V
802.11a CH 44 5220MHz		5124.65	49.42	-24.58	74	42.3	31.71	8.95	33.54	100	119	P	H
		5149.55	39.91	-14.09	54	32.78	31.72	8.95	33.54	100	119	A	H
	*	5220	102.36	-	-	95.15	31.77	8.98	33.54	100	119	P	H
	*	5220	98.36	-	-	91.15	31.77	8.98	33.54	100	119	A	H
		5430.08	49.33	-24.67	74	41.76	31.95	9.17	33.55	100	119	P	H
		5429.86	40.05	-13.95	54	32.48	31.95	9.17	33.55	100	119	A	H
		5131.55	49.3	-24.7	74	42.18	31.71	8.95	33.54	373	65	P	V
		5104.1	39.51	-14.49	54	32.44	31.68	8.92	33.53	373	65	A	V
	*	5220	97.85	-	-	90.64	31.77	8.98	33.54	373	65	P	V
	*	5220	94.01	-	-	86.8	31.77	8.98	33.54	373	65	A	V
		5380.14	48.72	-25.28	74	41.23	31.91	9.13	33.55	373	65	P	V
		5430.08	38.77	-15.23	54	31.2	31.95	9.17	33.55	373	65	A	V

802.11a CH 48 5240MHz		5097.2	49.94	-24.06	74	42.87	31.68	8.92	33.53	100	120	P	H
		5103.8	39.67	-14.33	54	32.6	31.68	8.92	33.53	100	120	A	H
	*	5240	102.59	-	-	95.36	31.79	8.98	33.54	100	120	P	H
	*	5240	98.87	-	-	91.64	31.79	8.98	33.54	100	120	A	H
		5382.89	48.36	-25.64	74	40.87	31.91	9.13	33.55	100	120	P	H
		5451.86	40.03	-13.97	54	32.4	31.96	9.22	33.55	100	120	A	H
		5121.65	49.68	-24.32	74	42.61	31.69	8.92	33.54	396	105	P	V
		5103.95	39.56	-14.44	54	32.49	31.68	8.92	33.53	396	105	A	V
	*	5240	99.63	-	-	92.4	31.79	8.98	33.54	396	105	P	V
	*	5240	95.45	-	-	88.22	31.79	8.98	33.54	396	105	A	V
		5458.24	49.03	-24.97	74	41.4	31.96	9.22	33.55	396	105	P	V
		5459.45	38.94	-15.06	54	31.31	31.96	9.22	33.55	396	105	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	46.42	-27.58	74	60.89	39.94	13.09	67.5	100	0	P	H
		15540	44.61	-29.39	74	55.12	38.33	16.55	65.39	100	0	P	H
													H
													H
		10360	44.99	-29.01	74	59.46	39.94	13.09	67.5	100	0	P	V
		15540	45.17	-28.83	74	55.68	38.33	16.55	65.39	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	44.03	-29.97	74	58.4	40.02	13.11	67.5	100	0	P	H
		15660	44.4	-29.6	74	55.12	38.09	16.56	65.37	100	0	P	H
													H
													H
		10440	44.32	-29.68	74	58.69	40.02	13.11	67.5	100	0	P	V
		15660	44.32	-29.68	74	55.04	38.09	16.56	65.37	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	43.47	-30.53	74	57.78	40.08	13.11	67.5	100	0	P	H
		15720	44.85	-29.15	74	55.69	37.95	16.57	65.36	100	0	P	H
													H
													H
		10480	44.62	-29.38	74	58.93	40.08	13.11	67.5	100	0	P	V
		15720	44.31	-29.69	74	55.15	37.95	16.57	65.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5133.8	50.94	-23.06	74	43.82	31.71	8.95	33.54	100	120	P	H
		5149.7	42.15	-11.85	54	35.02	31.72	8.95	33.54	100	120	A	H
	*	5180	101.31	-	-	94.13	31.75	8.97	33.54	100	120	P	H
	*	5180	96.13	-	-	88.95	31.75	8.97	33.54	100	120	A	H
802.11n													H
HT20													H
CH 36		5042.3	49.31	-24.69	74	42.31	31.64	8.89	33.53	400	97	P	V
5180MHz		5150	39.77	-14.23	54	32.64	31.72	8.95	33.54	400	97	A	V
	*	5180	98.25	-	-	91.07	31.75	8.97	33.54	400	97	P	V
	*	5180	92.48	-	-	85.3	31.75	8.97	33.54	400	97	A	V
													V
													V
		5119.4	49.1	-24.9	74	42.03	31.69	8.92	33.54	104	119	P	H
		5150	39.83	-14.17	54	32.7	31.72	8.95	33.54	104	119	A	H
	*	5220	101.8	-	-	94.59	31.77	8.98	33.54	104	119	P	H
	*	5220	96.62	-	-	89.41	31.77	8.98	33.54	104	119	A	H
802.11n		5405.22	48.43	-25.57	74	40.89	31.92	9.17	33.55	104	119	P	H
HT20		5429.97	39.79	-14.21	54	32.22	31.95	9.17	33.55	104	119	A	H
CH 44		5034.5	49.05	-24.95	74	42.09	31.63	8.86	33.53	396	99	P	V
5220MHz		5105.45	39.54	-14.46	54	32.47	31.68	8.92	33.53	396	99	A	V
	*	5220	99.93	-	-	92.72	31.77	8.98	33.54	396	99	P	V
	*	5220	93.65	-	-	86.44	31.77	8.98	33.54	396	99	A	V
		5440.97	48.14	-25.86	74	40.57	31.95	9.17	33.55	396	99	P	V
		5429.75	38.86	-15.14	54	31.29	31.95	9.17	33.55	396	99	A	V

		5032.55	50.06	-23.94	74	43.1	31.63	8.86	33.53	100	118	P	H
		5104.85	39.67	-14.33	54	32.6	31.68	8.92	33.53	100	118	A	H
	*	5240	101.69	-	-	94.46	31.79	8.98	33.54	100	118	P	H
	*	5240	96.81	-	-	89.58	31.79	8.98	33.54	100	118	A	H
802.11n		5450.43	50.03	-23.97	74	42.4	31.96	9.22	33.55	100	118	P	H
HT20		5450.76	39.87	-14.13	54	32.24	31.96	9.22	33.55	100	118	A	H
CH 48		5046	49.49	-24.51	74	42.49	31.64	8.89	33.53	100	113	P	V
5240MHz		5089.7	39.58	-14.42	54	32.51	31.68	8.92	33.53	100	113	A	V
	*	5240	97.63	-	-	90.4	31.79	8.98	33.54	100	113	P	V
	*	5240	92.44	-	-	85.21	31.79	8.98	33.54	100	113	A	V
		5408.19	48.25	-25.75	74	40.71	31.92	9.17	33.55	100	113	P	V
		5451.97	39.01	-14.99	54	31.38	31.96	9.22	33.55	100	113	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10360	45.49	-28.51	74	59.96	39.94	13.09	67.5	100	0	P	H
		15540	45.29	-28.71	74	55.8	38.33	16.55	65.39	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	44.64	-29.36	74	59.11	39.94	13.09	67.5	100	0	P	V
5180MHz		15540	44.79	-29.21	74	55.3	38.33	16.55	65.39	100	0	P	V
													V
													V
		10440	44.25	-29.75	74	58.62	40.02	13.11	67.5	100	0	P	H
		15660	45.37	-28.63	74	56.09	38.09	16.56	65.37	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	43.24	-30.76	74	57.61	40.02	13.11	67.5	100	0	P	V
5220MHz		15660	44.8	-29.2	74	55.52	38.09	16.56	65.37	100	0	P	V
													V
													V
		10480	43.89	-30.11	74	58.2	40.08	13.11	67.5	100	0	P	H
		15720	44.07	-29.93	74	54.91	37.95	16.57	65.36	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	44.35	-29.65	74	58.66	40.08	13.11	67.5	100	0	P	V
5240MHz		15720	44.16	-29.84	74	55	37.95	16.57	65.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5148.05	58.01	-15.99	74	50.88	31.72	8.95	33.54	100	118	P	H
		5149.4	49.97	-4.03	54	42.84	31.72	8.95	33.54	100	118	A	H
	*	5190	98.33	-	-	91.15	31.75	8.97	33.54	100	118	P	H
	*	5190	90.71	-	-	83.53	31.75	8.97	33.54	100	118	A	H
		5393.78	48.38	-25.62	74	40.89	31.91	9.13	33.55	100	118	P	H
		5406.21	40.77	-13.23	54	33.23	31.92	9.17	33.55	100	118	A	H
		5149.85	50.6	-23.4	74	43.47	31.72	8.95	33.54	400	89	P	V
		5148.2	42.85	-11.15	54	35.72	31.72	8.95	33.54	400	89	A	V
	*	5190	95.12	-	-	87.94	31.75	8.97	33.54	400	89	P	V
	*	5190	87.43	-	-	80.25	31.75	8.97	33.54	400	89	A	V
		5434.81	48.03	-25.97	74	40.46	31.95	9.17	33.55	400	89	P	V
		5456.15	40.16	-13.84	54	32.53	31.96	9.22	33.55	400	89	A	V
802.11n HT40 CH 46 5230MHz		5087.15	49.91	-24.09	74	42.85	31.67	8.92	33.53	100	116	P	H
		5148.8	40.95	-13.05	54	33.82	31.72	8.95	33.54	100	116	A	H
	*	5230	98.39	-	-	91.16	31.79	8.98	33.54	100	116	P	H
	*	5230	91.24	-	-	84.01	31.79	8.98	33.54	100	116	A	H
		5398.4	48.63	-25.37	74	41.13	31.92	9.13	33.55	100	116	P	H
		5355.72	40.27	-13.73	54	32.85	31.88	9.08	33.54	100	116	A	H
		5124.05	49.51	-24.49	74	42.39	31.71	8.95	33.54	394	98	P	V
		5106.65	40.5	-13.5	54	33.42	31.69	8.92	33.53	394	98	A	V
	*	5230	95.84	-	-	88.61	31.79	8.98	33.54	394	98	P	V
	*	5230	88.15	-	-	80.92	31.79	8.98	33.54	394	98	A	V
		5433.93	48.42	-25.58	74	40.85	31.95	9.17	33.55	394	98	P	V
		5455.27	39.93	-14.07	54	32.3	31.96	9.22	33.55	394	98	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10380	44.55	-29.45	74	59	39.96	13.09	67.5	100	0	P	H
		15570	44.43	-29.57	74	55.01	38.26	16.55	65.39	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	43.85	-30.15	74	58.3	39.96	13.09	67.5	100	0	P	V
5190MHz		15570	43.69	-30.31	74	54.27	38.26	16.55	65.39	100	0	P	V
													V
													V
		10460	45.24	-28.76	74	59.59	40.04	13.11	67.5	100	0	P	H
		15690	44.33	-29.67	74	55.11	38.02	16.56	65.36	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	43.47	-30.53	74	57.82	40.04	13.11	67.5	100	0	P	V
5230MHz		15690	44.02	-29.98	74	54.8	38.02	16.56	65.36	100	0	P	V
													V
													V

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

15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5144.6	57.41	-16.59	74	50.28	31.72	8.95	33.54	102	118	P	H
		5143.55	48.42	-5.58	54	41.29	31.72	8.95	33.54	102	118	A	H
	*	5210	95.66	-	-	88.45	31.77	8.98	33.54	102	118	P	H
	*	5210	88.44	-	-	81.23	31.77	8.98	33.54	102	118	A	H
		5386.19	49.4	-24.6	74	41.91	31.91	9.13	33.55	102	118	P	H
		5350.44	40.79	-13.21	54	33.37	31.88	9.08	33.54	102	118	A	H
		5145.95	51.71	-22.29	74	44.58	31.72	8.95	33.54	399	85	P	V
		5143.4	42.28	-11.72	54	35.15	31.72	8.95	33.54	399	85	A	V
	*	5210	93.21	-	-	86	31.77	8.98	33.54	399	85	P	V
	*	5210	85.52	-	-	78.31	31.77	8.98	33.54	399	85	A	V
		5363.09	48.09	-25.91	74	40.61	31.89	9.13	33.54	399	85	P	V
		5354.4	40.43	-13.57	54	33.01	31.88	9.08	33.54	399	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10420	43.83	-30.17	74	58.23	40	13.1	67.5	100	0	P	H
		15630	42.64	-31.36	74	53.34	38.12	16.55	65.37	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	43.05	-30.95	74	57.45	40	13.1	67.5	100	0	P	V
5210MHz		15630	42.82	-31.18	74	53.52	38.12	16.55	65.37	100	0	P	V
													V
													V

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

15E Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5082.35	49.55	-24.45	74	42.49	31.67	8.92	33.53	100	120	P	H
		5103.8	39.69	-14.31	54	32.62	31.68	8.92	33.53	100	120	A	H
	*	5260	104.39	-	-	97.13	31.81	8.99	33.54	100	120	P	H
	*	5260	99.01	-	-	91.75	31.81	8.99	33.54	100	120	A	H
		5446.91	48.61	-25.39	74	40.98	31.96	9.22	33.55	100	120	P	H
		5354.18	39.02	-14.98	54	31.6	31.88	9.08	33.54	100	120	A	H
		5009.9	48.88	-25.12	74	41.94	31.61	8.86	33.53	389	107	P	V
		5106.5	39.51	-14.49	54	32.43	31.69	8.92	33.53	389	107	A	V
	*	5260	99.09	-	-	91.83	31.81	8.99	33.54	389	107	P	V
	*	5260	95.36	-	-	88.1	31.81	8.99	33.54	389	107	A	V
		5373.43	49.22	-24.78	74	41.75	31.89	9.13	33.55	389	107	P	V
		5408.96	38.83	-15.17	54	31.29	31.92	9.17	33.55	389	107	A	V
802.11a CH 60 5300MHz		5045.15	49.82	-24.18	74	42.82	31.64	8.89	33.53	100	119	P	H
		5079.35	39.69	-14.31	54	32.66	31.67	8.89	33.53	100	119	A	H
	*	5300	103.87	-	-	96.53	31.84	9.04	33.54	100	119	P	H
	*	5300	99.39	-	-	92.05	31.84	9.04	33.54	100	119	A	H
		5356.16	49.49	-24.51	74	42.07	31.88	9.08	33.54	100	119	P	H
		5350.99	40.99	-13.01	54	33.57	31.88	9.08	33.54	100	119	A	H
		5040.2	49.81	-24.19	74	42.84	31.64	8.86	33.53	382	76	P	V
		5079.5	39.47	-14.53	54	32.44	31.67	8.89	33.53	382	76	A	V
	*	5300	100.64	-	-	93.3	31.84	9.04	33.54	382	76	P	V
	*	5300	96.39	-	-	89.05	31.84	9.04	33.54	382	76	A	V
		5426.56	48.38	-25.62	74	40.83	31.93	9.17	33.55	382	76	P	V
		5350.11	39.21	-14.79	54	31.79	31.88	9.08	33.54	382	76	A	V

802.11a CH 64 5320MHz	*	5321	103.14	-	-	95.79	31.85	9.04	33.54	100	118	P	H
	*	5321	97.59	-	-	90.24	31.85	9.04	33.54	100	118	A	H
		5370.57	50.41	-23.59	74	42.93	31.89	9.13	33.54	100	118	P	H
		5350.11	40.83	-13.17	54	33.41	31.88	9.08	33.54	100	118	A	H
													H
													H
	*	5320	100.01	-	-	92.66	31.85	9.04	33.54	382	78	P	V
	*	5320	96.26	-	-	88.91	31.85	9.04	33.54	382	78	A	V
		5377.5	49.48	-24.52	74	41.99	31.91	9.13	33.55	382	78	P	V
		5350	39.67	-14.33	54	32.25	31.88	9.08	33.54	382	78	A	V
													V
													V

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

15E band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	44.01	-29.99	74	58.24	40.11	13.14	67.48	100	0	P	H
		15780	42.19	-31.81	74	53.11	37.85	16.57	65.34	100	0	P	H
													H
													H
		10520	43.9	-30.1	74	58.13	40.11	13.14	67.48	100	0	P	V
		15780	42.59	-31.41	74	53.51	37.85	16.57	65.34	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	42.82	-31.18	74	56.86	40.16	13.2	67.4	100	0	P	H
		15900	42.42	-31.58	74	53.55	37.61	16.58	65.32	100	0	P	H
													H
													H
		10600	43.15	-30.85	74	57.19	40.16	13.2	67.4	100	0	P	V
		15900	42.56	-31.44	74	53.69	37.61	16.58	65.32	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	44.42	-29.58	74	58.37	40.18	13.23	67.36	100	0	P	H
		15960	41.36	-32.64	74	52.61	37.47	16.59	65.31	100	0	P	H
													H
													H
		10640	43.98	-30.02	74	57.93	40.18	13.23	67.36	100	0	P	V
		15960	41.44	-32.56	74	52.69	37.47	16.59	65.31	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5141.6	49.09	-24.91	74	41.96	31.72	8.95	33.54	100	117	P	H
		5106.35	39.68	-14.32	54	32.6	31.69	8.92	33.53	100	117	A	H
	*	5260	102.83	-	-	95.57	31.81	8.99	33.54	100	117	P	H
	*	5260	96.89	-	-	89.63	31.81	8.99	33.54	100	117	A	H
802.11n		5387.1	49.26	-24.74	74	41.77	31.91	9.13	33.55	100	117	P	H
HT20		5353.3	39.03	-14.97	54	31.61	31.88	9.08	33.54	100	117	A	H
CH 52		5134.7	49.48	-24.52	74	42.36	31.71	8.95	33.54	101	113	P	V
5260MHz		5105.45	39.53	-14.47	54	32.46	31.68	8.92	33.53	101	113	A	V
	*	5260	97.88	-	-	90.62	31.81	8.99	33.54	101	113	P	V
	*	5260	92.5	-	-	85.24	31.81	8.99	33.54	101	113	A	V
		5411.6	48.77	-25.23	74	41.22	31.93	9.17	33.55	101	113	P	V
		5459.45	38.75	-15.25	54	31.12	31.96	9.22	33.55	101	113	A	V
		5091.8	49.53	-24.47	74	42.46	31.68	8.92	33.53	100	118	P	H
		5078.9	39.72	-14.28	54	32.69	31.67	8.89	33.53	100	118	A	H
	*	5300	103.75	-	-	96.41	31.84	9.04	33.54	100	118	P	H
	*	5300	97.41	-	-	90.07	31.84	9.04	33.54	100	118	A	H
802.11n		5357.92	50.96	-23.04	74	43.54	31.88	9.08	33.54	100	118	P	H
HT20		5350	41.29	-12.71	54	33.87	31.88	9.08	33.54	100	118	A	H
CH 60		5027.45	49.58	-24.42	74	42.62	31.63	8.86	33.53	100	114	P	V
5300MHz		5079.35	39.6	-14.4	54	32.57	31.67	8.89	33.53	100	114	A	V
	*	5300	97.6	-	-	90.26	31.84	9.04	33.54	100	114	P	V
	*	5300	92.5	-	-	85.16	31.84	9.04	33.54	100	114	A	V
		5367.6	48.73	-25.27	74	41.25	31.89	9.13	33.54	100	114	P	V
		5350.22	39.39	-14.61	54	31.97	31.88	9.08	33.54	100	114	A	V

	*	5320	102.7	-	-	95.35	31.85	9.04	33.54	100	117	P	H
	*	5320	97.22	-	-	89.87	31.85	9.04	33.54	100	117	A	H
		5351.43	50.05	-23.95	74	42.63	31.88	9.08	33.54	100	117	P	H
		5350	41.83	-12.17	54	34.41	31.88	9.08	33.54	100	117	A	H
802.11n													H
HT20													H
CH 64	*	5320	98.2	-	-	90.85	31.85	9.04	33.54	100	89	P	V
5320MHz	*	5320	92.64	-	-	85.29	31.85	9.04	33.54	100	89	A	V
		5351.21	49.95	-24.05	74	42.53	31.88	9.08	33.54	100	89	P	V
		5350	40.23	-13.77	54	32.81	31.88	9.08	33.54	100	89	A	V
													V
													V

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

15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10520	44.08	-29.92	74	58.31	40.11	13.14	67.48	100	0	P	H
		15780	42.51	-31.49	74	53.43	37.85	16.57	65.34	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	44.23	-29.77	74	58.46	40.11	13.14	67.48	100	0	P	V
5260MHz		15780	41.66	-32.34	74	52.58	37.85	16.57	65.34	100	0	P	V
													V
													V
		10600	43.45	-30.55	74	57.49	40.16	13.2	67.4	100	0	P	H
		15900	42.1	-31.9	74	53.23	37.61	16.58	65.32	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	42.86	-31.14	74	56.9	40.16	13.2	67.4	100	0	P	V
5300MHz		15900	42.2	-31.8	74	53.33	37.61	16.58	65.32	100	0	P	V
													V
													V
		10640	43.43	-30.57	74	57.38	40.18	13.23	67.36	100	0	P	H
		15960	40.47	-33.53	74	51.72	37.47	16.59	65.31	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	43.44	-30.56	74	57.39	40.18	13.23	67.36	100	0	P	V
5320MHz		15960	41.92	-32.08	74	53.17	37.47	16.59	65.31	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5108.15	50.22	-23.78	74	43.14	31.69	8.92	33.53	100	117	P	H
		5117.9	40.62	-13.38	54	33.54	31.69	8.92	33.53	100	117	A	H
	*	5270	98.21	-	-	90.95	31.81	8.99	33.54	100	117	P	H
	*	5270	91.35	-	-	84.09	31.81	8.99	33.54	100	117	A	H
802.11n		5372.55	49.25	-24.75	74	41.77	31.89	9.13	33.54	100	117	P	H
HT40		5350.44	40.6	-13.4	54	33.18	31.88	9.08	33.54	100	117	A	H
CH 54		5138	49.43	-24.57	74	42.31	31.71	8.95	33.54	388	102	P	V
5270MHz		5114.3	40.5	-13.5	54	33.42	31.69	8.92	33.53	388	102	A	V
	*	5270	96.53	-	-	89.27	31.81	8.99	33.54	388	102	P	V
	*	5270	88.79	-	-	81.53	31.81	8.99	33.54	388	102	A	V
		5406.43	48.51	-25.49	74	40.97	31.92	9.17	33.55	388	102	P	V
		5424.91	40.24	-13.76	54	32.69	31.93	9.17	33.55	388	102	A	V
	*	5310	99.75	-	-	92.4	31.85	9.04	33.54	100	118	P	H
	*	5310	91.88	-	-	84.53	31.85	9.04	33.54	100	118	A	H
		5355.06	56.59	-17.41	74	49.17	31.88	9.08	33.54	100	118	P	H
		5350.77	48.1	-5.9	54	40.68	31.88	9.08	33.54	100	118	A	H
802.11n													H
HT40													H
CH 62	*	5310	97	-	-	89.65	31.85	9.04	33.54	383	102	P	V
5310MHz	*	5310	88.99	-	-	81.64	31.85	9.04	33.54	383	102	A	V
		5350.33	51.65	-22.35	74	44.23	31.88	9.08	33.54	383	102	P	V
		5351.32	44.55	-9.45	54	37.13	31.88	9.08	33.54	383	102	A	V
													V
													V

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

15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10540	44.6	-29.4	74	58.81	40.12	13.14	67.47	100	0	P	H
		15810	44.13	-29.87	74	55.12	37.78	16.57	65.34	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	45.07	-28.93	74	59.28	40.12	13.14	67.47	100	0	P	V
5270MHz		15810	44.26	-29.74	74	55.25	37.78	16.57	65.34	100	0	P	V
													V
													V
		10620	43.1	-30.9	74	57.11	40.17	13.2	67.38	100	0	P	H
		15930	41.13	-32.87	74	52.32	37.54	16.58	65.31	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	43.76	-30.24	74	57.77	40.17	13.2	67.38	100	0	P	V
5310MHz		15930	41.15	-32.85	74	52.34	37.54	16.58	65.31	100	0	P	V
													V
													V

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

15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		5124.05	50.01	-23.99	74	42.89	31.71	8.95	33.54	100	116	P	H
		5144.3	41.79	-12.21	54	34.66	31.72	8.95	33.54	100	116	A	H
	*	5290	98.05	-	-	90.72	31.83	9.04	33.54	100	116	P	H
	*	5290	89.26	-	-	81.93	31.83	9.04	33.54	100	116	A	H
		5379.59	55.59	-18.41	74	48.1	31.91	9.13	33.55	100	116	P	H
		5353.3	46.35	-7.65	54	38.93	31.88	9.08	33.54	100	116	A	H
		5140.1	49.87	-24.13	74	42.74	31.72	8.95	33.54	384	91	P	V
		5145.5	41.22	-12.78	54	34.09	31.72	8.95	33.54	384	91	A	V
	*	5290	95.53	-	-	88.2	31.83	9.04	33.54	384	91	P	V
	*	5290	86.7	-	-	79.37	31.83	9.04	33.54	384	91	A	V
		5361	50.45	-23.55	74	43.02	31.89	9.08	33.54	384	91	P	V
		5351.21	43.03	-10.97	54	35.61	31.88	9.08	33.54	384	91	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		10580	44.65	-29.35	74	58.74	40.15	13.17	67.41	100	0	P	H
		15870	41.92	-32.08	74	53.02	37.64	16.58	65.32	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	44.92	-29.08	74	59.01	40.15	13.17	67.41	100	0	P	V
5290MHz		15870	41.58	-32.42	74	52.68	37.64	16.58	65.32	100	0	P	V
													V
													V

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

15E Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5469.04	50.34	-23.66	74	42.7	31.97	9.22	33.55	100	119	P	H
		5470	41.71	-12.29	54	34.07	31.97	9.22	33.55	100	119	A	H
	*	5500	103.31	-	-	95.6	32	9.26	33.55	100	119	P	H
	*	5500	97.8	-	-	90.09	32	9.26	33.55	100	119	A	H
													H
													H
		5470	49.19	-24.81	74	41.55	31.97	9.22	33.55	338	108	P	V
		5470	40.5	-13.5	54	32.86	31.97	9.22	33.55	338	108	A	V
	*	5500	99.91	-	-	92.2	32	9.26	33.55	338	108	P	V
	*	5500	95.77	-	-	88.06	32	9.26	33.55	338	108	A	V
													V
													V
802.11a CH 116 5580MHz		5357.52	48.9	-25.1	74	41.48	31.88	9.08	33.54	100	116	P	H
		5466.48	39.18	-14.82	54	31.54	31.97	9.22	33.55	100	116	A	H
	*	5580	101.79	-	-	93.96	32.1	9.32	33.59	100	116	P	H
	*	5580	96.25	-	-	88.42	32.1	9.32	33.59	100	116	A	H
		5758.52	49.13	-24.87	74	40.98	32.36	9.44	33.65	100	116	P	H
		5754.44	39.61	-14.39	54	31.46	32.36	9.44	33.65	100	116	A	H
		5370	48.74	-25.26	74	41.26	31.89	9.13	33.54	385	102	P	V
		5460.88	41.22	-12.78	54	33.59	31.96	9.22	33.55	385	102	A	V
	*	5580	98.79	-	-	90.96	32.1	9.32	33.59	385	102	P	V
	*	5580	93.95	-	-	86.12	32.1	9.32	33.59	385	102	A	V
		5761	48.65	-25.35	74	40.5	32.36	9.44	33.65	385	102	P	V
		5753.72	41.84	-12.16	54	33.69	32.36	9.44	33.65	385	102	A	V

802.11a CH 140 5700MHz	*	5700	100.11	-	-	92.08	32.27	9.39	33.63	100	118	P	H
	*	5700	95.06	-	-	87.03	32.27	9.39	33.63	100	118	A	H
		5744.84	49.82	-24.18	74	41.69	32.34	9.44	33.65	100	118	P	H
		5730.36	43.8	-10.2	54	35.7	32.31	9.44	33.65	100	118	A	H
													H
													H
	*	5700	99.23	-	-	91.2	32.27	9.39	33.63	369	101	P	V
	*	5700	94.79	-	-	86.76	32.27	9.39	33.63	369	101	A	V
		5735.24	49.64	-24.36	74	41.51	32.34	9.44	33.65	369	101	P	V
		5730.36	42.48	-11.52	54	34.38	32.31	9.44	33.65	369	101	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	45.22	-28.78	74	58.34	40.4	13.48	67	100	0	P	H
		16500	42.66	-31.34	74	50.85	39	16.81	64	100	0	P	H
													H
													H
		11000	45.13	-28.87	74	58.25	40.4	13.48	67	100	0	P	V
		16500	43.12	-30.88	74	51.31	39	16.81	64	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	45.64	-28.36	74	58.3	40.27	13.64	66.57	100	0	P	H
		16740	42.99	-31.01	74	50.17	39.92	16.8	63.9	100	0	P	H
													H
													H
		11160	44.56	-29.44	74	57.22	40.27	13.64	66.57	100	0	P	V
		16740	43.6	-30.4	74	50.78	39.92	16.8	63.9	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	44.73	-29.27	74	56.74	40.08	13.87	65.96	100	0	P	H
		17100	44.53	-29.47	74	50.48	41.12	16.85	63.92	100	0	P	H
													H
													H
		11400	45.33	-28.67	74	57.34	40.08	13.87	65.96	100	0	P	V
		17100	45.44	-28.56	74	51.39	41.12	16.85	63.92	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5466.16	50.23	-23.77	74	42.59	31.97	9.22	33.55	100	117	P	H
		5470	42.03	-11.97	54	34.39	31.97	9.22	33.55	100	117	A	H
	*	5500	100.72	-	-	93.01	32	9.26	33.55	100	117	P	H
	*	5500	95.6	-	-	87.89	32	9.26	33.55	100	117	A	H
802.11n													H
HT20													H
CH 100		5468.24	50.07	-23.93	74	42.43	31.97	9.22	33.55	100	96	P	V
5500MHz		5469.2	40.54	-13.46	54	32.9	31.97	9.22	33.55	100	96	A	V
	*	5500	97.38	-	-	89.67	32	9.26	33.55	100	96	P	V
	*	5500	91.51	-	-	83.8	32	9.26	33.55	100	96	A	V
													V
													V
		5426.96	48.35	-25.65	74	40.8	31.93	9.17	33.55	100	116	P	H
		5468.88	39.45	-14.55	54	31.81	31.97	9.22	33.55	100	116	A	H
	*	5580	100.99	-	-	93.16	32.1	9.32	33.59	100	116	P	H
	*	5580	95.6	-	-	87.77	32.1	9.32	33.59	100	116	A	H
802.11n		5753.64	49.46	-24.54	74	41.31	32.36	9.44	33.65	100	116	P	H
HT20		5756.76	39.97	-14.03	54	31.82	32.36	9.44	33.65	100	116	A	H
CH 116		5387.6	48.99	-25.01	74	41.5	31.91	9.13	33.55	385	109	P	V
5580MHz		5469.52	39.09	-14.91	54	31.45	31.97	9.22	33.55	385	109	A	V
	*	5580	100.75	-	-	92.92	32.1	9.32	33.59	385	109	P	V
	*	5580	93.5	-	-	85.67	32.1	9.32	33.59	385	109	A	V
		5760.28	49.07	-24.93	74	40.92	32.36	9.44	33.65	385	109	P	V
		5736	39.63	-14.37	54	31.5	32.34	9.44	33.65	385	109	A	V

	*	5700	100.31	-	-	92.28	32.27	9.39	33.63	100	114	P	H
	*	5700	93.49	-	-	85.46	32.27	9.39	33.63	100	114	A	H
		5731.1	49.87	-24.13	74	41.77	32.31	9.44	33.65	100	114	P	H
		5730.44	41.17	-12.83	54	33.07	32.31	9.44	33.65	100	114	A	H
802.11n													H
HT20													H
CH 140	*	5700	99.24	-	-	91.21	32.27	9.39	33.63	369	93	P	V
5700MHz	*	5700	92.61	-	-	84.58	32.27	9.39	33.63	369	93	A	V
		5733.96	49.85	-24.15	74	41.75	32.31	9.44	33.65	369	93	P	V
		5725	41.13	-12.87	54	33.02	32.31	9.44	33.64	369	93	A	V
													V
													V

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

15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11000	44.76	-29.24	74	57.88	40.4	13.48	67	100	0	P	H
		16500	43.16	-30.84	74	51.35	39	16.81	64	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	45.1	-28.9	74	58.22	40.4	13.48	67	100	0	P	V
5500MHz		16500	41.62	-32.38	74	49.81	39	16.81	64	100	0	P	V
													V
													V
		11160	45.77	-28.23	74	58.43	40.27	13.64	66.57	100	0	P	H
		16740	42.37	-31.63	74	49.55	39.92	16.8	63.9	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	44.71	-29.29	74	57.37	40.27	13.64	66.57	100	0	P	V
5580MHz		16740	41.82	-32.18	74	49	39.92	16.8	63.9	100	0	P	V
													V
													V
		11400	43.59	-30.41	74	55.6	40.08	13.87	65.96	100	0	P	H
		17100	43.72	-30.28	74	49.67	41.12	16.85	63.92	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	44.22	-29.78	74	56.23	40.08	13.87	65.96	100	0	P	V
5700MHz		17100	45.01	-28.99	74	50.96	41.12	16.85	63.92	100	0	P	V
													V
													V

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

15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5464.56	57.04	-16.96	74	49.4	31.97	9.22	33.55	100	116	P	H
		5470	48.8	-5.2	54	41.16	31.97	9.22	33.55	100	116	A	H
	*	5510	99.29	-	-	91.59	32	9.26	33.56	100	116	P	H
	*	5510	92.26	-	-	84.56	32	9.26	33.56	100	116	A	H
802.11n													H
HT40													H
CH 102		5467.12	54.28	-19.72	74	46.64	31.97	9.22	33.55	377	108	P	V
5510MHz		5469.68	48.06	-5.94	54	40.42	31.97	9.22	33.55	377	108	A	V
	*	5510	97.36	-	-	89.66	32	9.26	33.56	377	108	P	V
	*	5510	90.05	-	-	82.35	32	9.26	33.56	377	108	A	V
		5731	49.63	-24.37	74	41.53	32.31	9.44	33.65	377	108	P	V
		5753.24	41.11	-12.89	54	32.96	32.36	9.44	33.65	377	108	A	V
		5423.28	48.17	-25.83	74	40.62	31.93	9.17	33.55	100	118	P	H
		5468.56	40.86	-13.14	54	33.22	31.97	9.22	33.55	100	118	A	H
	*	5550	98.12	-	-	90.33	32.07	9.29	33.57	100	118	P	H
	*	5550	90.21	-	-	82.42	32.07	9.29	33.57	100	118	A	H
802.11n		5753.48	49.25	-24.75	74	41.1	32.36	9.44	33.65	100	118	P	H
HT40		5763.96	40.96	-13.04	54	32.76	32.36	9.49	33.65	100	118	A	H
CH 110		5447.28	48.13	-25.87	74	40.5	31.96	9.22	33.55	389	101	P	V
5550MHz		5464.88	40.6	-13.4	54	32.96	31.97	9.22	33.55	389	101	A	V
	*	5550	96.78	-	-	88.99	32.07	9.29	33.57	389	101	P	V
	*	5550	89.2	-	-	81.41	32.07	9.29	33.57	389	101	A	V
		5756.68	49.63	-24.37	74	41.48	32.36	9.44	33.65	389	101	P	V
		5753.08	40.82	-13.18	54	32.67	32.36	9.44	33.65	389	101	A	V

		5366.96	48.38	-25.62	74	40.9	31.89	9.13	33.54	100	115	P	H
		5454.32	40.49	-13.51	54	32.86	31.96	9.22	33.55	100	115	A	H
	*	5670	96.94	-	-	88.97	32.24	9.35	33.62	100	115	P	H
	*	5670	89.57	-	-	81.6	32.24	9.35	33.62	100	115	A	H
802.11n		5758.84	50.35	-23.65	74	42.2	32.36	9.44	33.65	100	115	P	H
HT40		5729.08	42.09	-11.91	54	33.98	32.31	9.44	33.64	100	115	A	H
CH 134		5406.64	48.51	-25.49	74	40.97	31.92	9.17	33.55	391	101	P	V
5670MHz		5446	40.29	-13.71	54	32.66	31.96	9.22	33.55	391	101	A	V
	*	5670	96.59	-	-	88.62	32.24	9.35	33.62	391	101	P	V
	*	5670	89.41	-	-	81.44	32.24	9.35	33.62	391	101	A	V
		5740.6	49.11	-24.89	74	40.98	32.34	9.44	33.65	391	101	P	V
		5729	41.06	-12.94	54	32.95	32.31	9.44	33.64	391	101	A	V

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

15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11020	45	-29	74	58.09	40.39	13.48	66.96	100	0	P	H
		16530	42.82	-31.18	74	50.87	39.13	16.81	63.99	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	45.23	-28.77	74	58.32	40.39	13.48	66.96	100	0	P	V
5510MHz		16530	41.81	-32.19	74	49.86	39.13	16.81	63.99	100	0	P	V
													V
													V
		11100	46.54	-27.46	74	59.4	40.32	13.56	66.74	100	0	P	H
		16650	43.54	-30.46	74	51.09	39.59	16.8	63.94	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	45.58	-28.42	74	58.44	40.32	13.56	66.74	100	0	P	V
5550MHz		16650	43.59	-30.41	74	51.14	39.59	16.8	63.94	100	0	P	V
													V
													V
		11340	44.7	-29.3	74	56.91	40.13	13.79	66.13	100	0	P	H
		17010	44.7	-29.3	74	50.78	40.94	16.8	63.82	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	44.83	-29.17	74	57.04	40.13	13.79	66.13	100	0	P	V
5670MHz		17010	44.36	-29.64	74	50.44	40.94	16.8	63.82	100	0	P	V
													V
													V

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

15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		5450.32	58.09	-15.91	74	50.46	31.96	9.22	33.55	104	113	P	H
		5470	49.73	-4.27	54	42.09	31.97	9.22	33.55	104	113	A	H
	*	5530	95.78	-	-	88.04	32.02	9.29	33.57	104	113	P	H
	*	5530	88.07	-	-	80.33	32.02	9.29	33.57	104	113	A	H
		5727.08	49.27	-24.73	74	41.16	32.31	9.44	33.64	104	113	P	H
		5757.48	41.12	-12.88	54	32.97	32.36	9.44	33.65	104	113	A	H
		5466.48	53.21	-20.79	74	45.57	31.97	9.22	33.55	375	102	P	V
		5469.84	45.54	-8.46	54	37.9	31.97	9.22	33.55	375	102	A	V
	*	5530	94.38	-	-	86.64	32.02	9.29	33.57	375	102	P	V
	*	5530	86.95	-	-	79.21	32.02	9.29	33.57	375	102	A	V
		5757.4	48.38	-25.62	74	40.23	32.36	9.44	33.65	375	102	P	V
		5764.28	40.87	-13.13	54	32.67	32.36	9.49	33.65	375	102	A	V
802.11ac VHT80 CH 122 5610MHz		5460.4	49.59	-24.41	74	41.96	31.96	9.22	33.55	100	114	P	H
		5466.8	40.95	-13.05	54	33.31	31.97	9.22	33.55	100	114	A	H
	*	5610	94.14	-	-	86.27	32.14	9.33	33.6	100	114	P	H
	*	5610	85.89	-	-	78.02	32.14	9.33	33.6	100	114	A	H
		5735.56	49.89	-24.11	74	41.76	32.34	9.44	33.65	100	114	P	H
		5747.56	41.57	-12.43	54	33.44	32.34	9.44	33.65	100	114	A	H
		5465.36	49.41	-24.59	74	41.77	31.97	9.22	33.55	381	109	P	V
		5465.84	41.83	-12.17	54	34.19	31.97	9.22	33.55	381	109	A	V
	*	5610	95.94	-	-	88.07	32.14	9.33	33.6	381	109	P	V
	*	5610	86.98	-	-	79.11	32.14	9.33	33.6	381	109	A	V
		5728.44	49.72	-24.28	74	41.61	32.31	9.44	33.64	381	109	P	V
		5748.12	41.51	-12.49	54	33.38	32.34	9.44	33.65	381	109	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11060	43.15	-30.85	74	56.11	40.35	13.52	66.83	100	0	P	H
		16590	42.73	-31.27	74	50.56	39.33	16.81	63.97	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	44.09	-29.91	74	57.05	40.35	13.52	66.83	100	0	P	V
5530MHz		16590	42.65	-31.35	74	50.48	39.33	16.81	63.97	100	0	P	V
													V
													V
		11220	42.79	-31.21	74	55.33	40.23	13.67	66.44	100	0	P	H
		16830	41.66	-32.34	74	48.49	40.24	16.8	63.87	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	43.46	-30.54	74	56	40.23	13.67	66.44	100	0	P	V
5610MHz		16830	42.32	-31.68	74	49.15	40.24	16.8	63.87	100	0	P	V
													V
													V

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

15E Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	97.8	-	-	89.74	32.31	9.39	33.64	100	116	P	H
	*	5720	91.96	-	-	83.9	32.31	9.39	33.64	100	116	A	H
													H
													H
													H
													H
	*	5720	99.72	-	-	91.66	32.31	9.39	33.64	367	100	P	V
	*	5720	93.71	-	-	85.65	32.31	9.39	33.64	367	100	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	44.98	-29.02	74	56.89	40.05	13.91	65.87	100	0	P	H
		17160	43.34	-30.66	74	49.17	41.27	16.9	64	100	0	P	H
													H
													H
		11440	44.34	-29.66	74	56.25	40.05	13.91	65.87	100	0	P	V
		17160	44.81	-29.19	74	50.64	41.27	16.9	64	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5720	99.13	-	-	91.07	32.31	9.39	33.64	100	117	P	H
	*	5720	93.08	-	-	85.02	32.31	9.39	33.64	100	117	A	H
													H
													H
802.11n													H
HT20													H
CH 144	*	5720	99.55	-	-	91.49	32.31	9.39	33.64	386	108	P	V
5720MHz	*	5720	93.2	-	-	85.14	32.31	9.39	33.64	386	108	A	V
													V
													V
													V
													V

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

15E band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11440	45.17	-28.83	74	57.08	40.05	13.91	65.87	100	0	P	H
		17160	43.38	-30.62	74	49.21	41.27	16.9	64	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	44.94	-29.06	74	56.85	40.05	13.91	65.87	100	0	P	V
5720MHz		17160	43.23	-30.77	74	49.06	41.27	16.9	64	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5710	96.56	-	-	88.52	32.29	9.39	33.64	100	116	P	H
	*	5710	88.81	-	-	80.77	32.29	9.39	33.64	100	116	A	H
													H
													H
802.11n													H
HT40													H
CH 142	*	5710	96.74	-	-	88.7	32.29	9.39	33.64	366	95	P	V
5710MHz	*	5710	89.2	-	-	81.16	32.29	9.39	33.64	366	95	A	V
													V
													V
													V
													V

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

15E band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11420	44.03	-29.97	74	56.01	40.07	13.87	65.92	100	0	P	H
		17130	44.19	-29.81	74	50.08	41.19	16.88	63.96	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	44.68	-29.32	74	56.66	40.07	13.87	65.92	100	0	P	V
5710MHz		17130	43.87	-30.13	74	49.76	41.19	16.88	63.96	100	0	P	V
													V
													V

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

15E band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
	*	5690	94.46	-	-	86.43	32.27	9.39	33.63	100	116	P	H
	*	5690	86.1	-	-	78.07	32.27	9.39	33.63	100	116	A	H
													H
													H
802.11ac													H
VHT80													H
CH 138	*	5690	94.14	-	-	86.11	32.27	9.39	33.63	393	102	P	V
5690MHz	*	5690	87.16	-	-	79.13	32.27	9.39	33.63	393	102	A	V
													V
													V
													V
													V

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

15E band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		11380	43.65	-30.35	74	55.73	40.09	13.83	66	100	0	P	H
		17070	44.93	-29.07	74	50.93	41.05	16.83	63.88	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	43.57	-30.43	74	55.65	40.09	13.83	66	100	0	P	V
5690MHz		17070	42.81	-31.19	74	48.81	41.05	16.83	63.88	100	0	P	V
													V
													V

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

15E Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		30.81	16.14	-23.86	40	29.7	17.6	0.67	31.83			P	H
		51.33	18.21	-21.79	40	41.74	7.23	1.04	31.8	100	136	P	H
		101.55	15.78	-27.72	43.5	35.93	10.35	1.28	31.78			P	H
		727	21.45	-24.55	46	30.5	19.71	3.25	32.01			P	H
		857.9	22.84	-23.16	46	30.92	20.12	3.44	31.64			P	H
		976.2	23.49	-30.51	54	30.16	20.38	3.78	30.83			P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30	27.12	-12.88	40	40.28	18	0.67	31.83			P	V
		92.91	32.07	-11.43	43.5	53.59	8.98	1.28	31.78	113	59	P	V
		94.8	31.78	-11.72	43.5	52.96	9.32	1.28	31.78			P	V
		531	19.67	-26.33	46	30.97	17.87	2.77	31.94			P	V
		826.4	24.41	-21.59	46	32.7	20.1	3.4	31.79			P	V
		911.1	24.8	-21.2	46	32.48	20.11	3.55	31.34			P	V
													V
													V
													V
													V
													V
													V

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

15E Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		101.55	16.76	-26.74	43.5	36.91	10.35	1.28	31.78			P	H
		174.45	16.13	-27.37	43.5	37.74	8.53	1.64	31.78			P	H
		197.13	13.08	-30.42	43.5	34.68	8.54	1.64	31.78			P	H
		621.3	20.04	-25.96	46	30.12	19	2.96	32.04			P	H
		770.4	22.24	-23.76	46	31.15	19.7	3.35	31.96			P	H
		932.8	22.72	-23.28	46	29.93	20.28	3.68	31.17	100	149	P	H
													H
													H
													H
													H
													H
													H
		30.81	23.65	-16.35	40	37.21	17.6	0.67	31.83			P	V
		65.91	24.78	-15.22	40	50.63	4.9	1.04	31.79	115	68	P	V
		105.06	20.41	-23.09	43.5	40.01	10.9	1.28	31.78			P	V
		619.9	20.46	-25.54	46	30.54	19	2.96	32.04			P	V
		847.4	22.41	-23.59	46	30.46	20.2	3.44	31.69			P	V
		950.3	22.89	-23.11	46	29.65	20.59	3.68	31.03			P	V
													V
													V
													V
													V
													V
													V

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

15E Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		101.28	16.51	-26.99	43.5	36.71	10.3	1.28	31.78			P	H
		152.31	12.72	-30.78	43.5	33.13	9.91	1.46	31.78			P	H
		172.29	13.67	-29.83	43.5	35.15	8.66	1.64	31.78			P	H
		550.6	20.39	-25.61	46	30.9	18.69	2.77	31.97			P	H
		825.7	23.2	-22.8	46	31.49	20.1	3.4	31.79	100	129	P	H
		939.1	22.75	-23.25	46	29.72	20.47	3.68	31.12			P	H
													H
													H
													H
													H
													H
													H
		68.88	20.65	-19.35	40	46.31	5.09	1.04	31.79	109	89	P	V
		80.76	16.84	-23.16	40	40.84	6.75	1.04	31.79			P	V
		98.85	16.78	-26.72	43.5	37.35	9.93	1.28	31.78			P	V
		479.2	17.45	-28.55	46	29.57	17.18	2.57	31.87			P	V
		695.5	20.44	-25.56	46	30.44	18.9	3.14	32.04			P	V
		952.4	23.33	-22.67	46	30.12	20.55	3.68	31.02			P	V
													V
													V
													V
													V
													V
													V

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

15E Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		101.55	15.64	-27.86	43.5	35.79	10.35	1.28	31.78			P	H
		156.63	15.43	-28.07	43.5	36.02	9.73	1.46	31.78			P	H
		253.56	14.38	-31.62	46	31.85	12.36	1.94	31.77			P	H
		557.6	19.35	-26.65	46	30.01	18.55	2.77	31.98			P	H
		826.4	23.24	-22.76	46	31.53	20.1	3.4	31.79	100	159	P	H
		958	22.8	-23.2	46	29.65	20.44	3.68	30.97			P	H
													H
													H
													H
													H
													H
													H
		57.81	21.15	-18.85	40	46.37	5.54	1.04	31.8	149	101	P	V
		61.32	21.01	-18.99	40	46.7	5.07	1.04	31.8			P	V
		105.87	16.61	-26.89	43.5	36.14	10.97	1.28	31.78			P	V
		534.5	19.56	-26.44	46	30.62	18.11	2.77	31.94			P	V
		826.4	26.16	-19.84	46	34.45	20.1	3.4	31.79			P	V
		953.1	23.77	-22.23	46	30.56	20.54	3.68	31.01			P	V
													V
													V
													V
													V
													V
													V
Remark	3. No other spurious found. 4. 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 per 15.209(c).
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

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

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

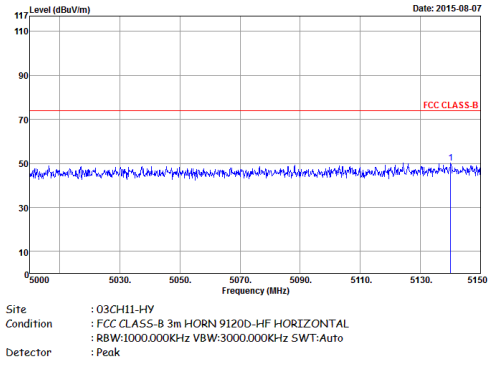
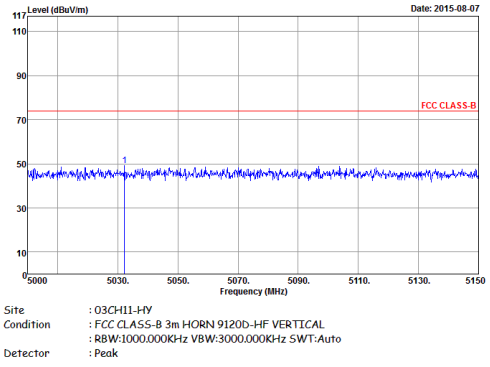
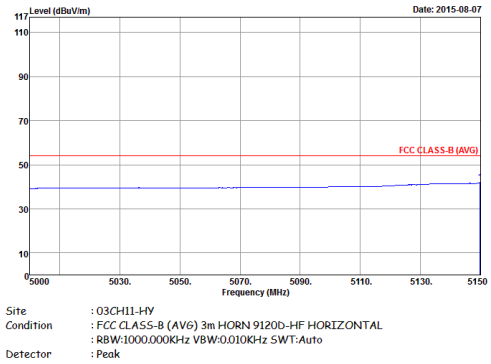
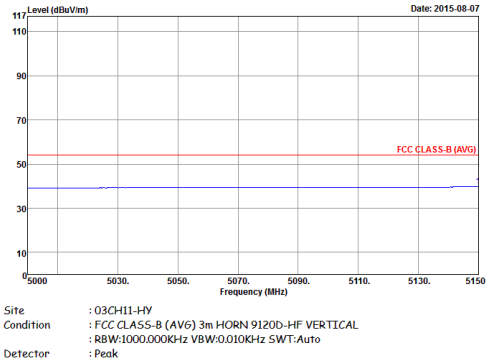
Both peak and average measured complies with the limit line, so test result is "PASS".

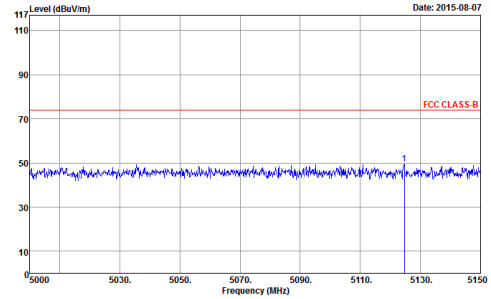
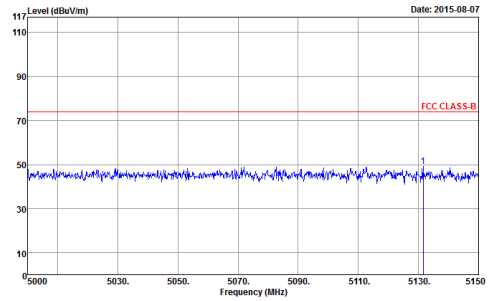
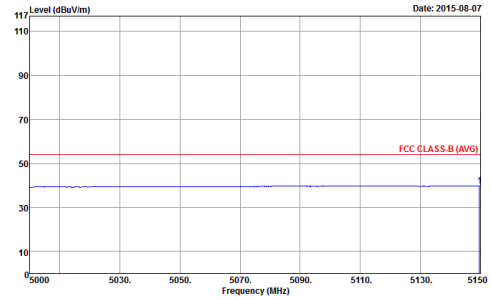
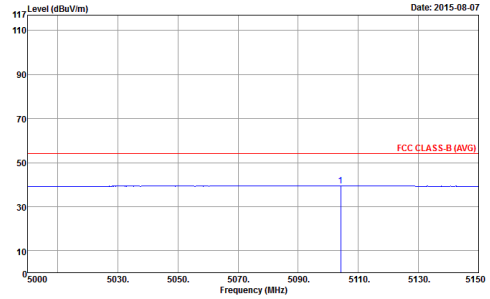
Appendix C. Radiated Spurious Emission

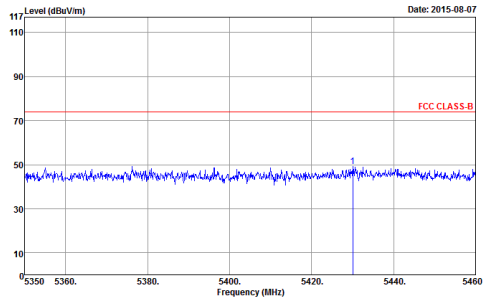
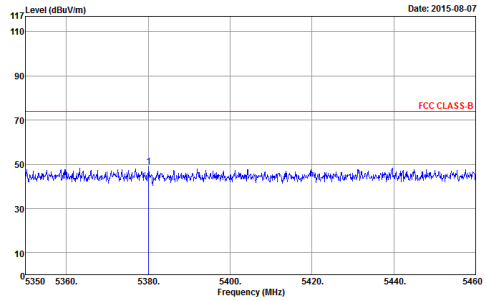
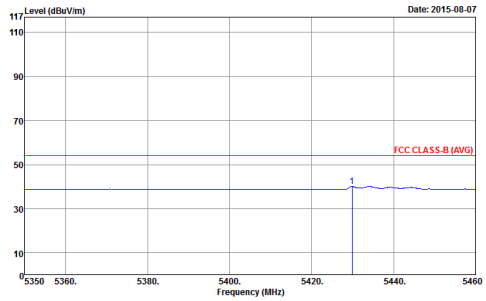
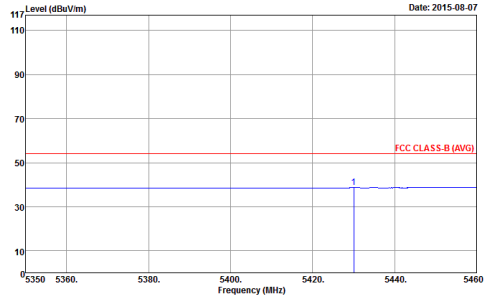
Test Engineer :	Nick Yu and Jesse Wang	Temperature :	22~24°C
		Relative Humidity :	55~58%

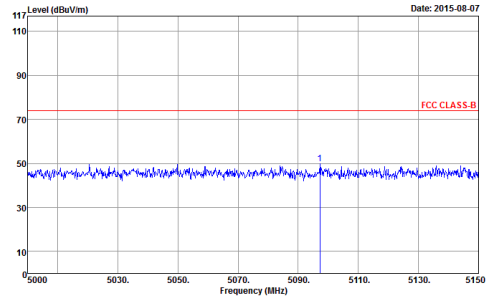
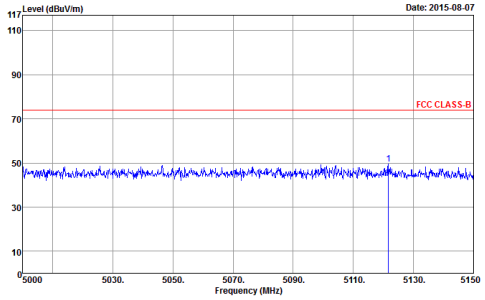
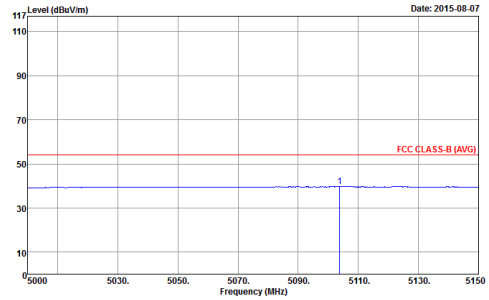
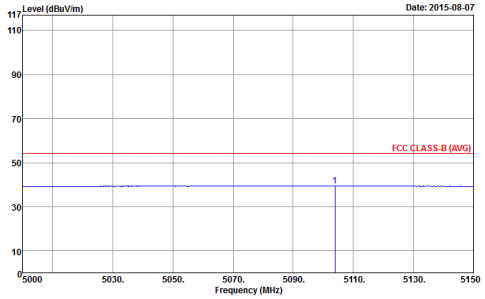
Band 1 - 5150~5250MHz

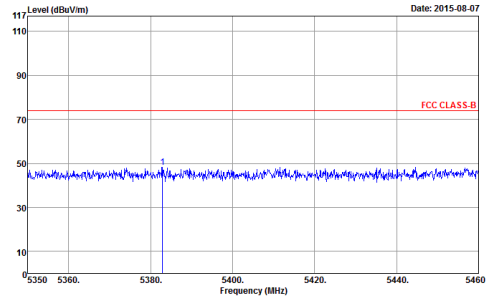
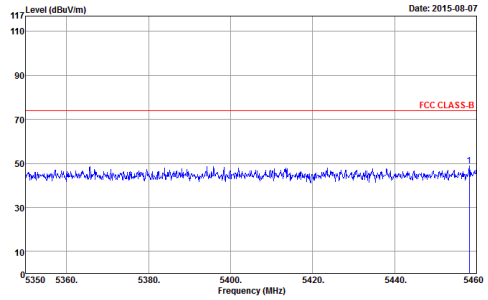
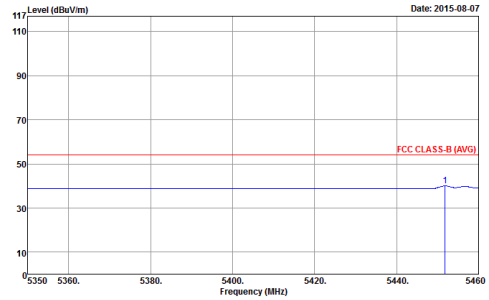
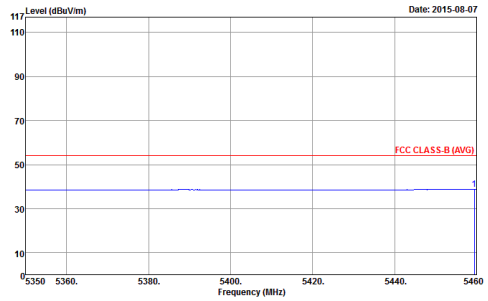
WIFI 802.11a (Band Edge @ 3m)

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

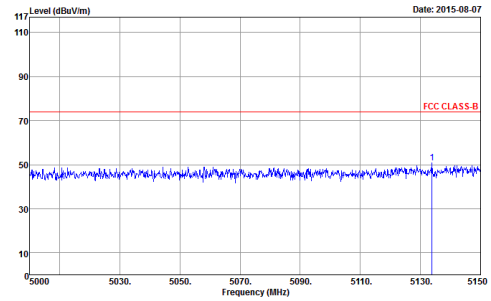
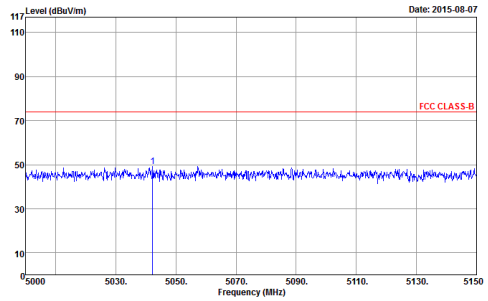
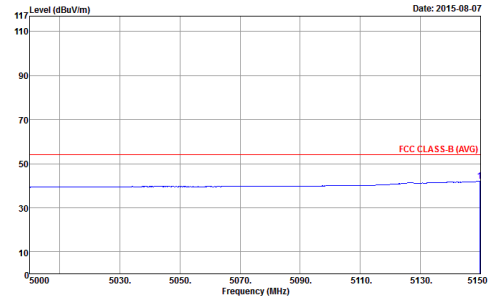
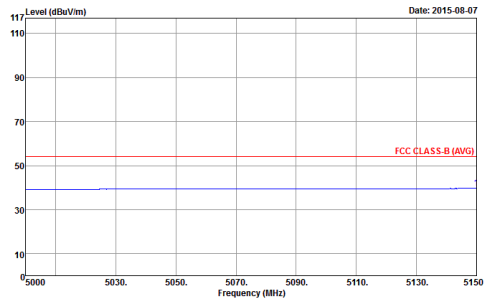
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

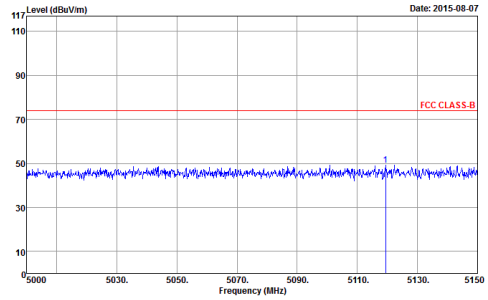
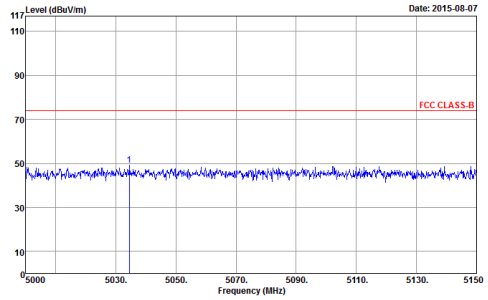
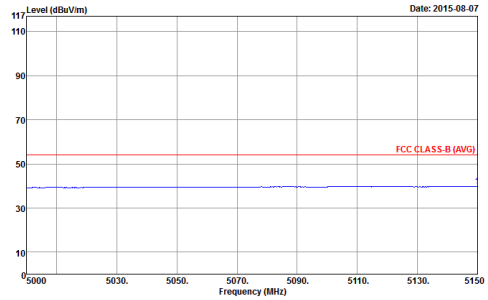
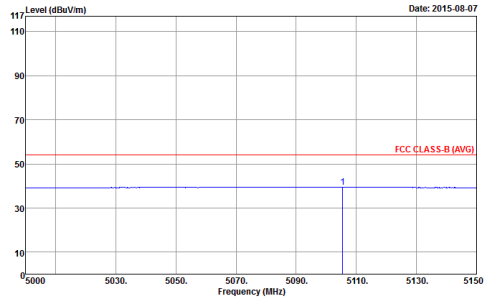
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

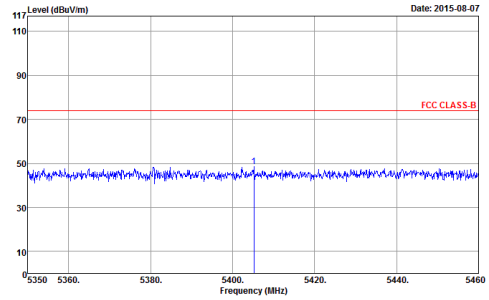
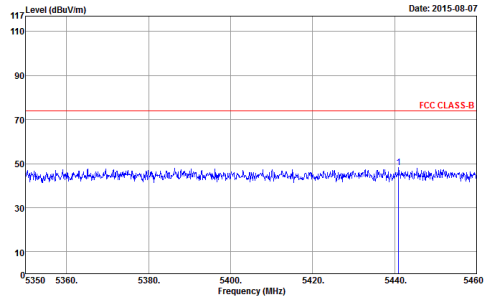
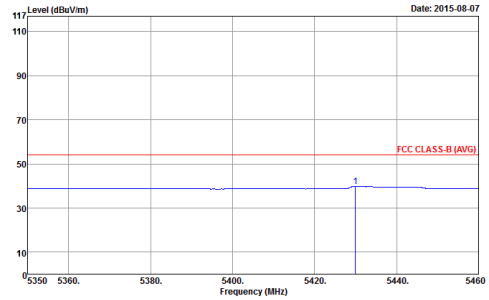
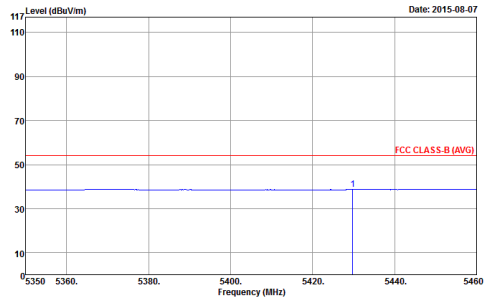
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

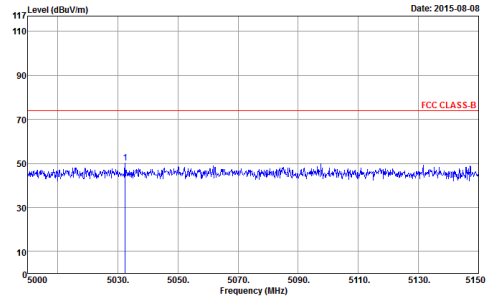
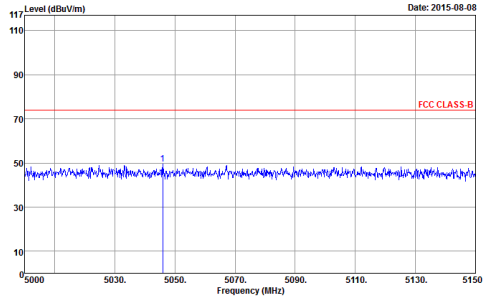
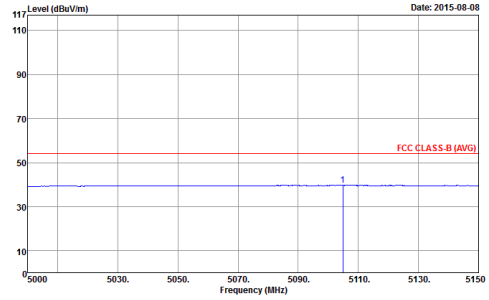
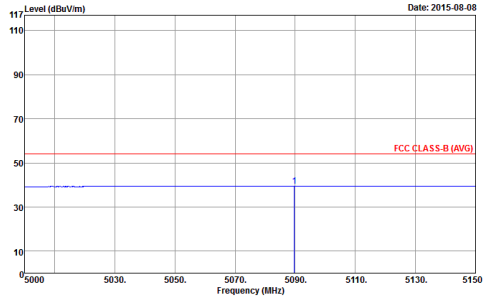
Band 1 5150~5250MHz

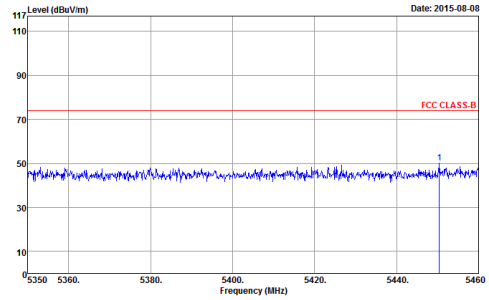
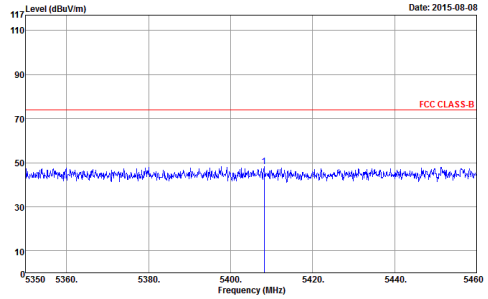
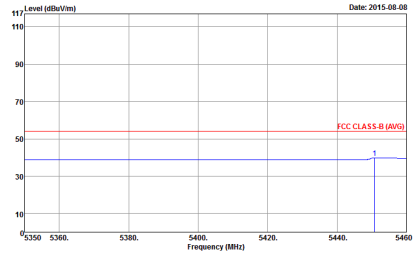
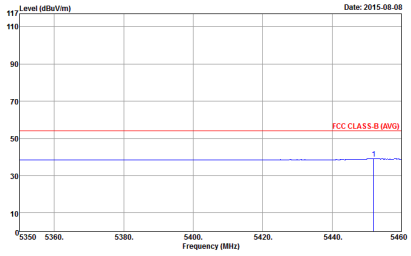
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

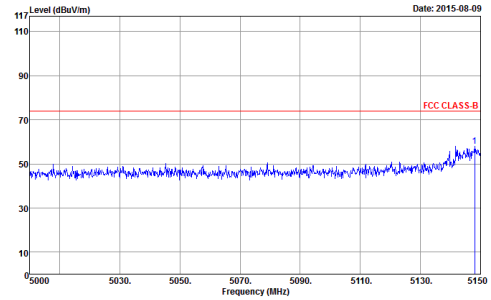
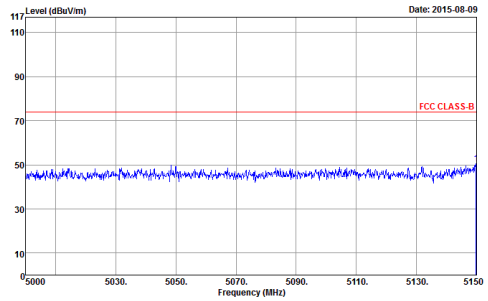
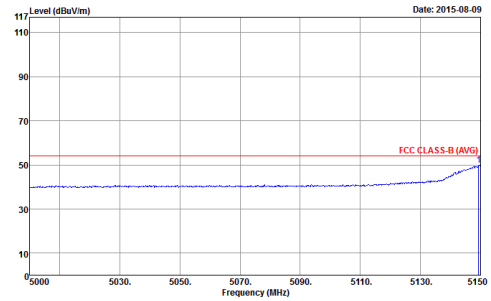
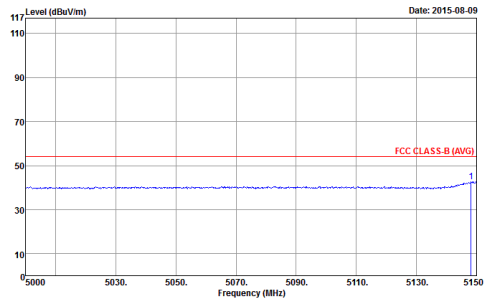
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

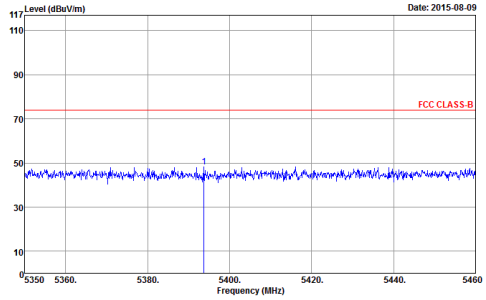
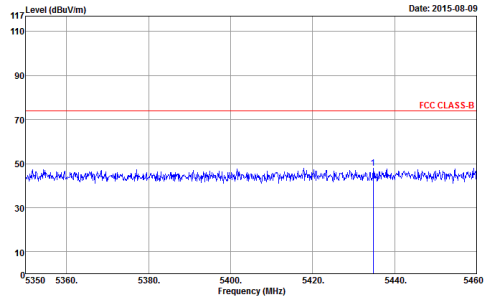
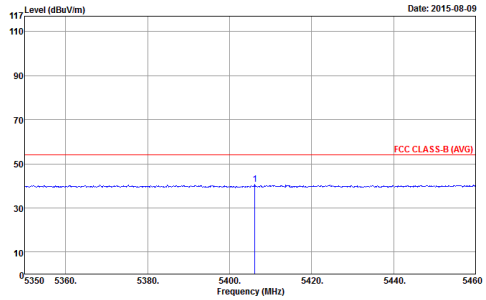
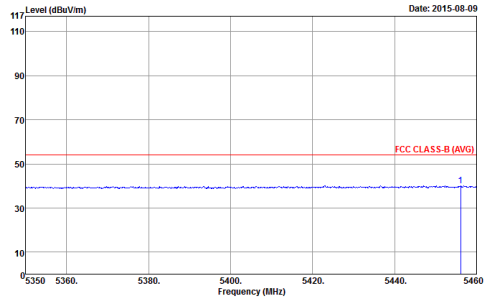
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

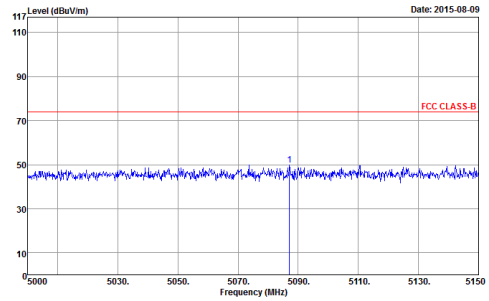
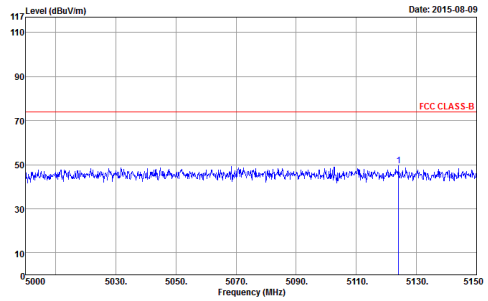
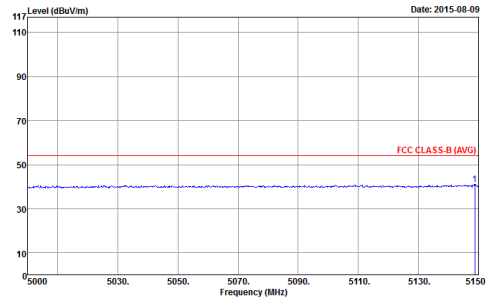
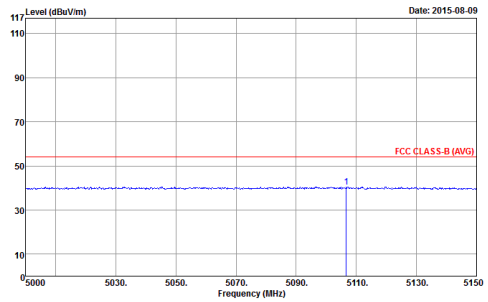
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

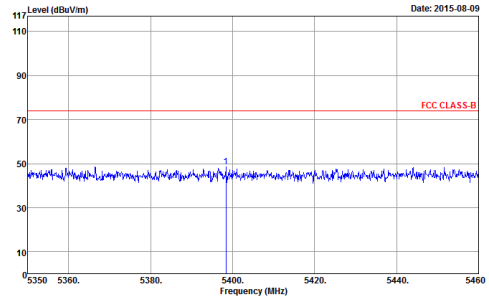
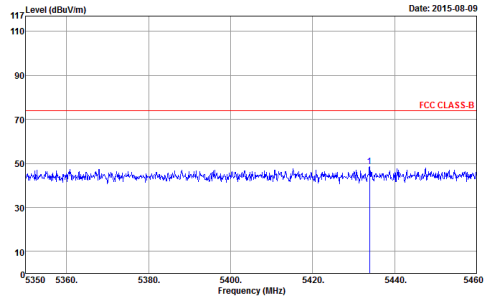
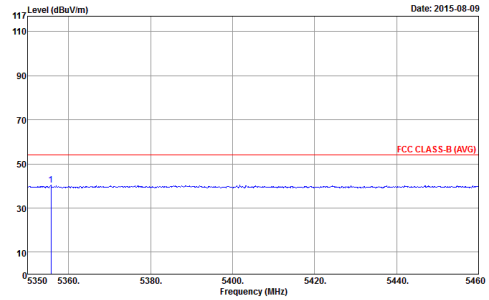
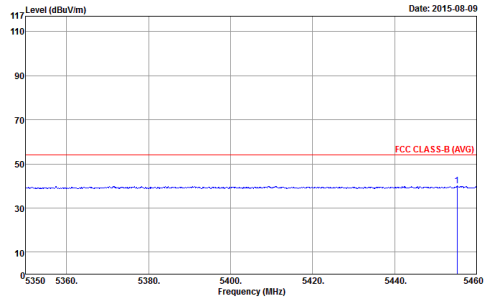
Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

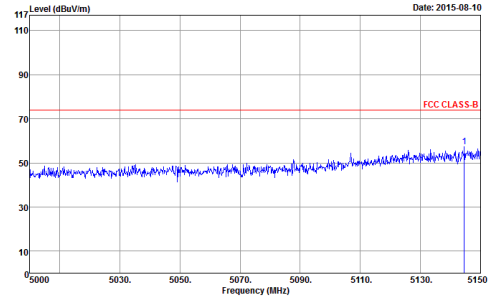
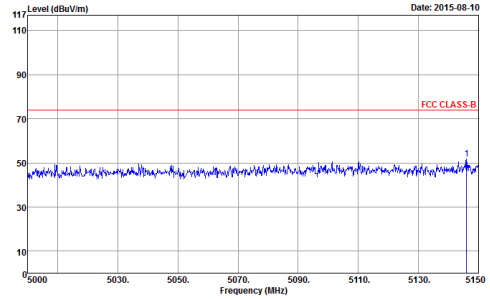
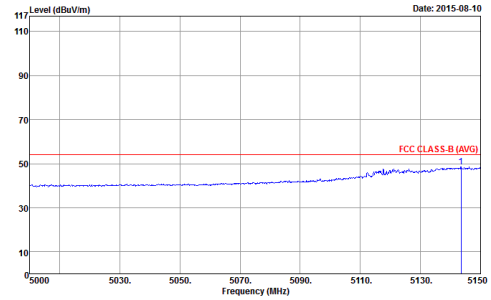
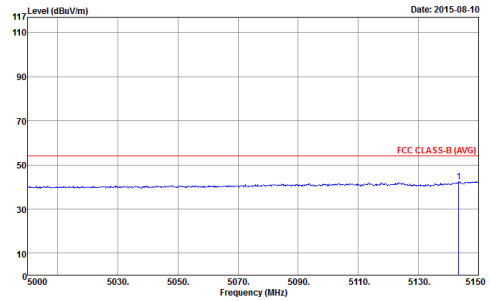
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

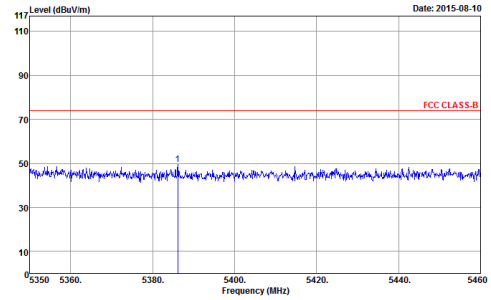
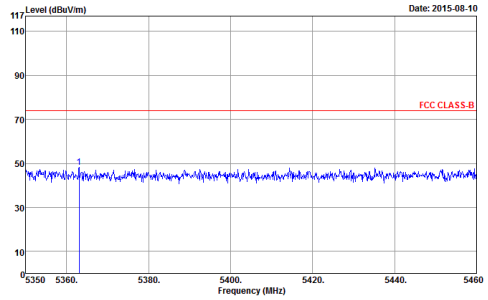
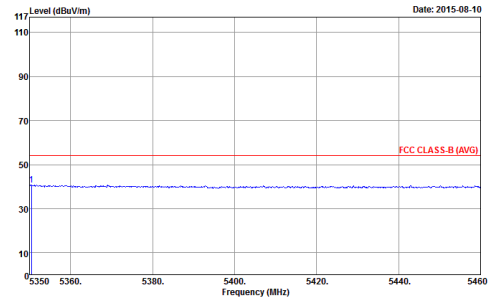
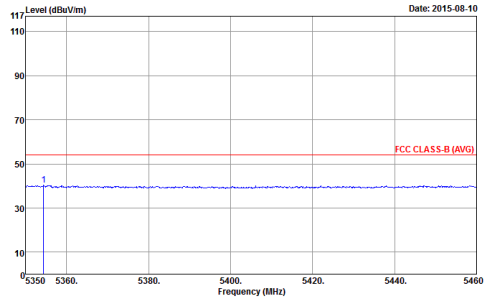
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

Band 1 5150~5250MHz

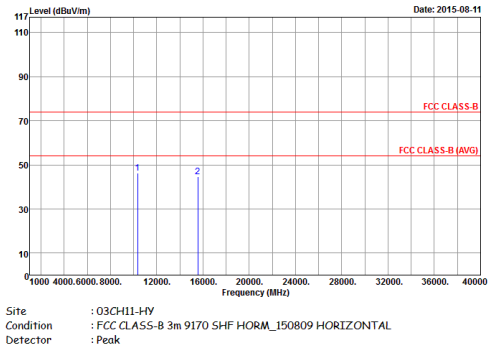
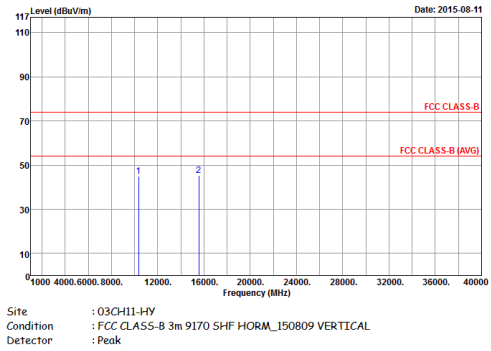
WIFI 802.11ac VHT80 (Band Edge @ 3m)

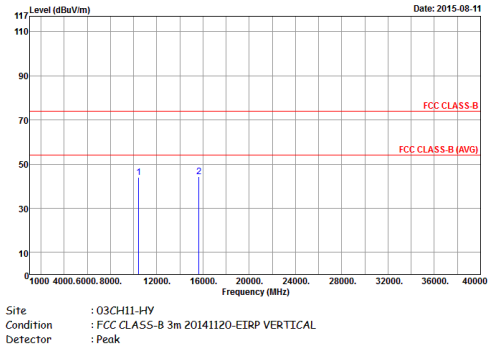
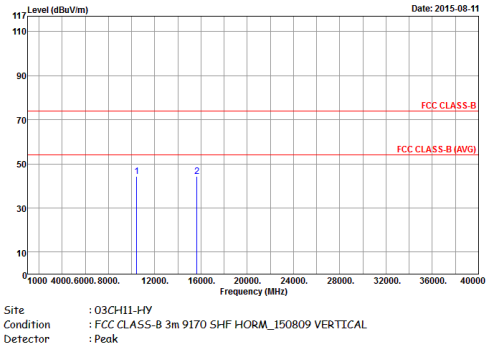
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

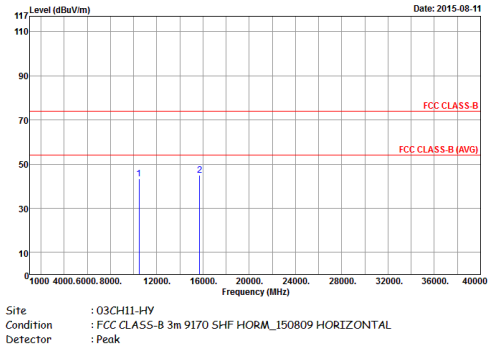
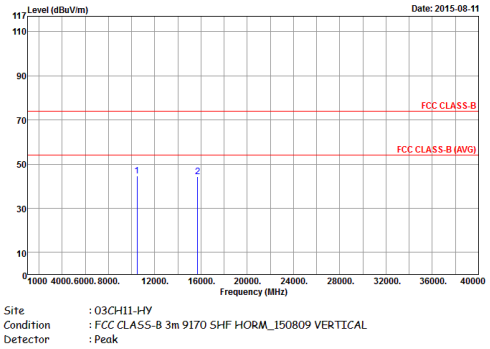
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

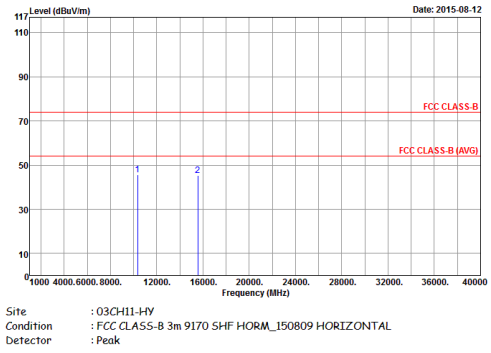
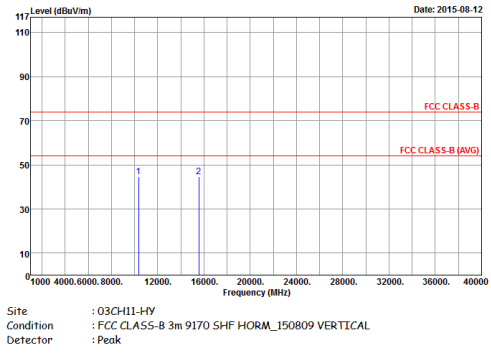
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

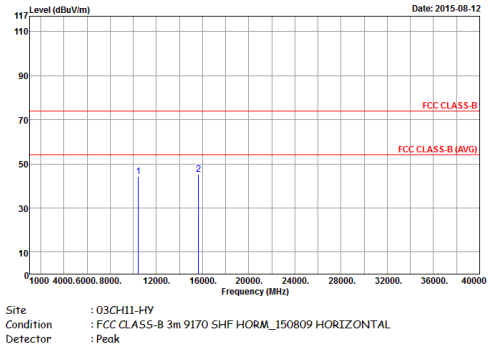
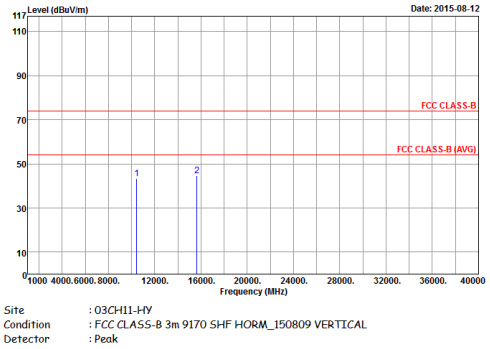
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

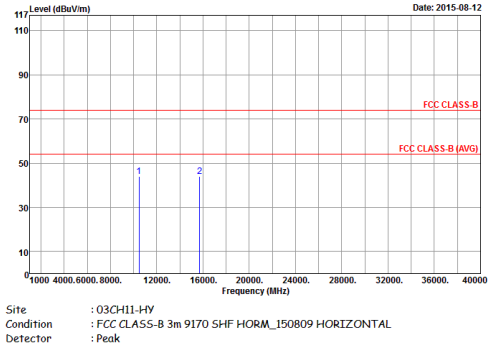
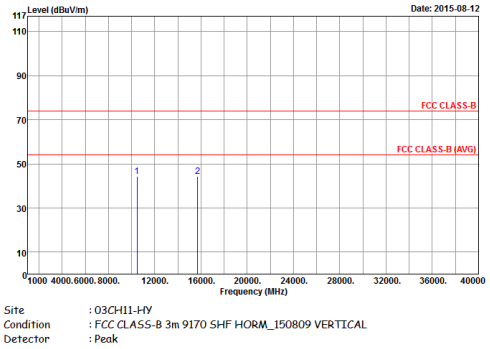
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

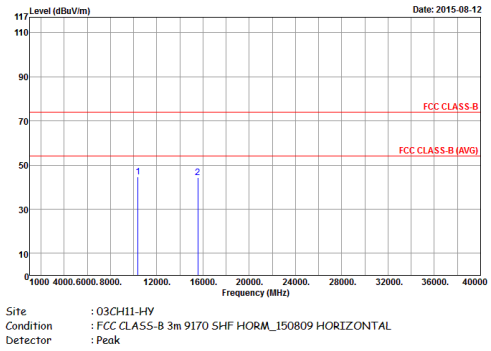
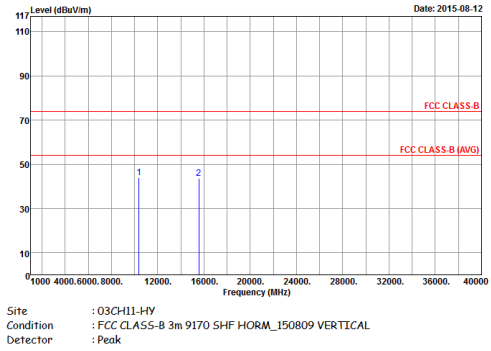
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

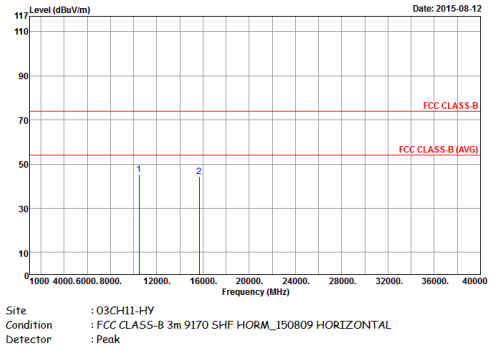
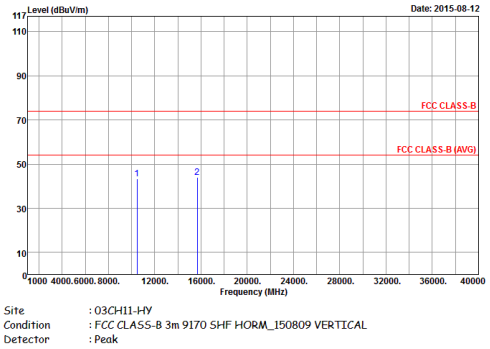
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

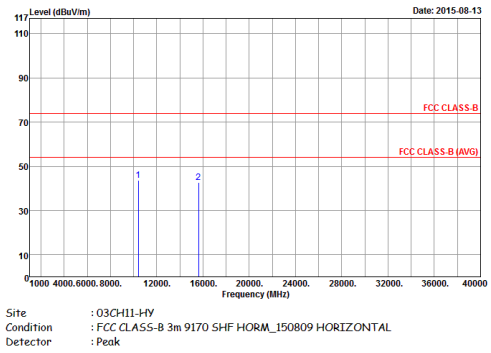
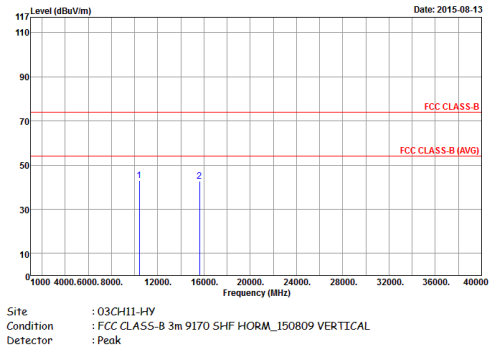
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

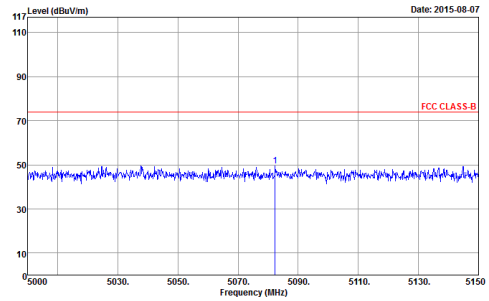
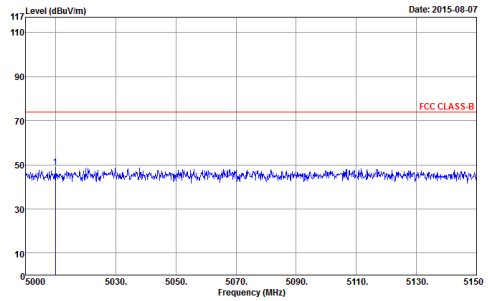
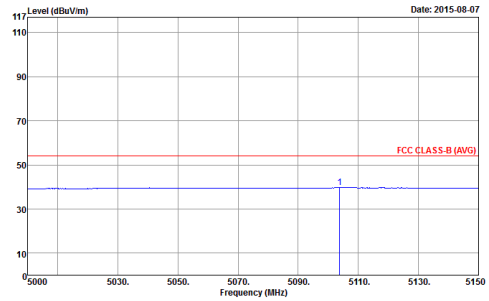
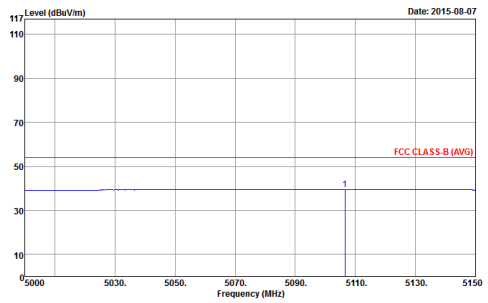
Band 1 5150~5250MHz

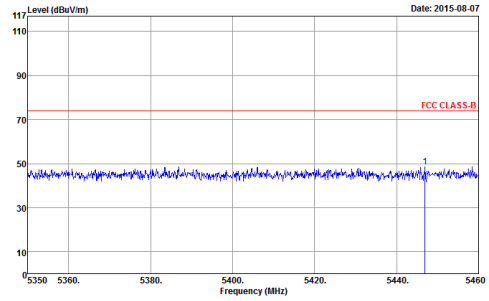
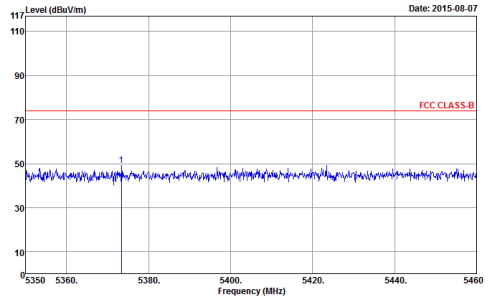
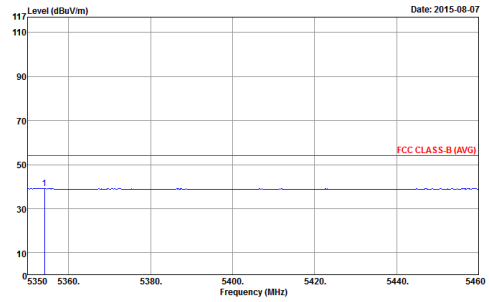
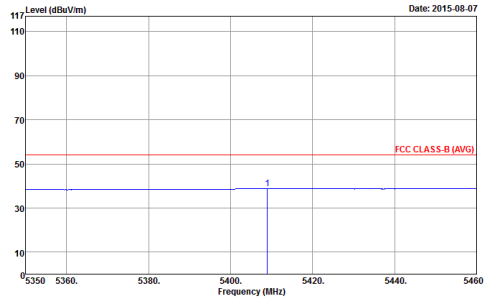
WIFI 802.11ac VHT80 (Harmonic @ 3m)

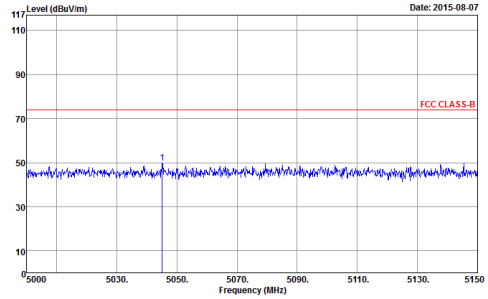
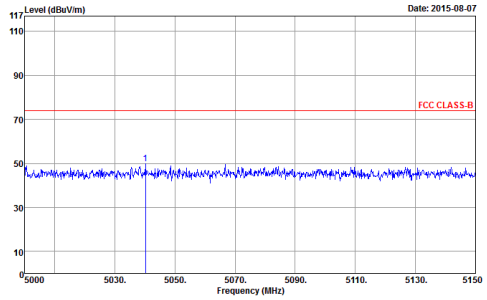
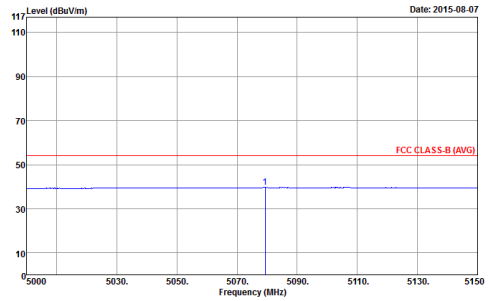
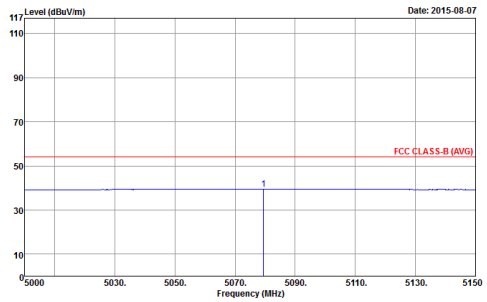
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

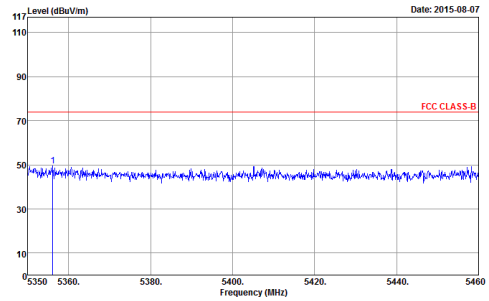
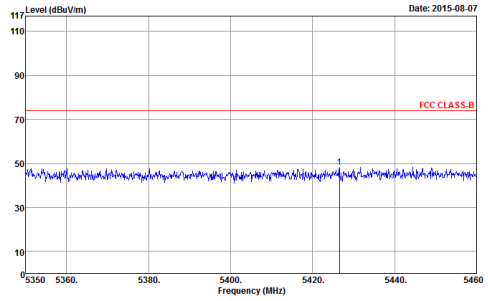
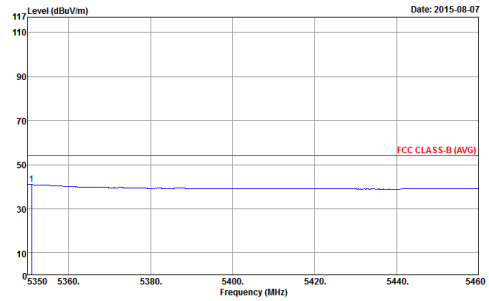
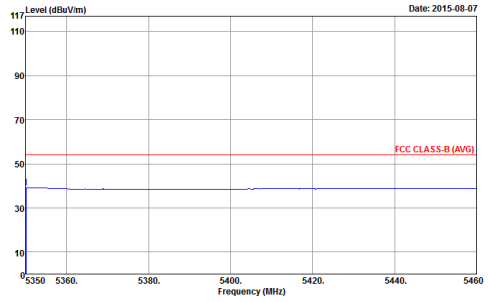
Band 2 - 5250~5350MHz

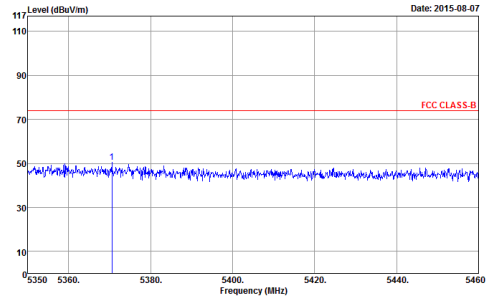
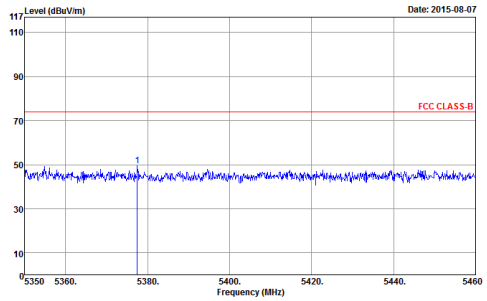
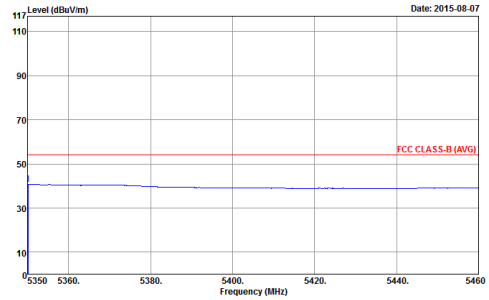
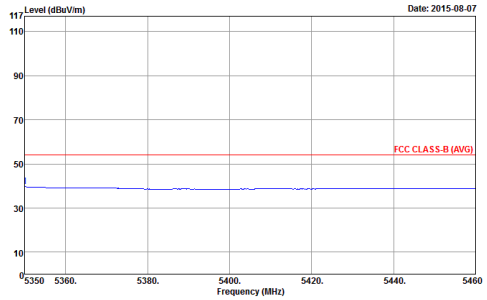
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

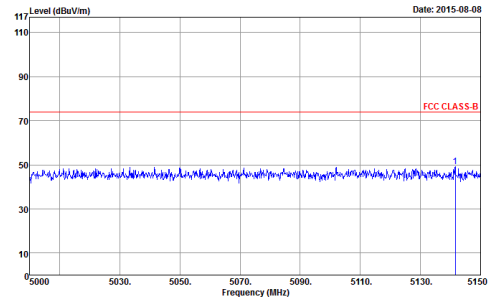
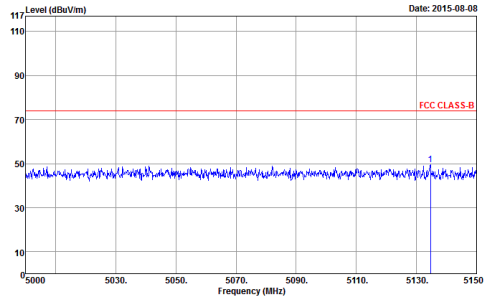
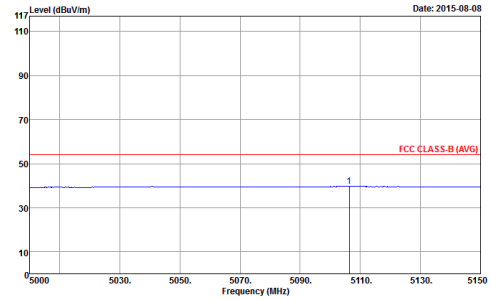
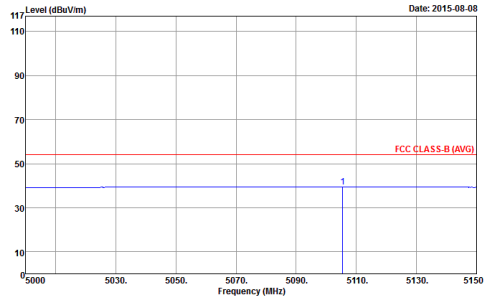
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

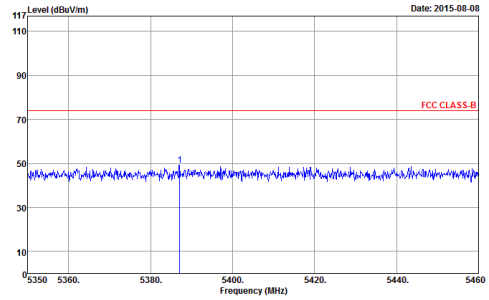
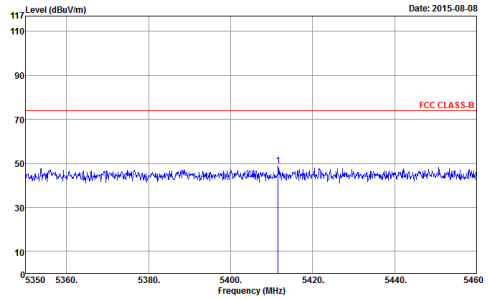
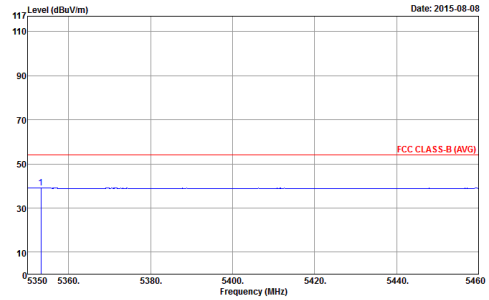
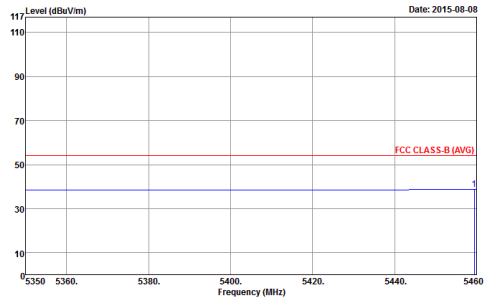
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

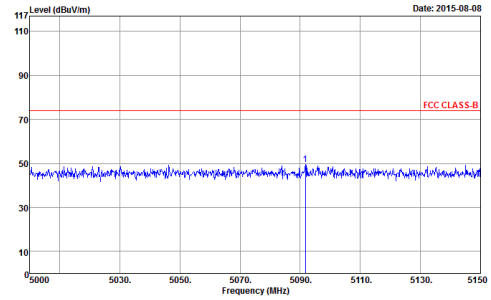
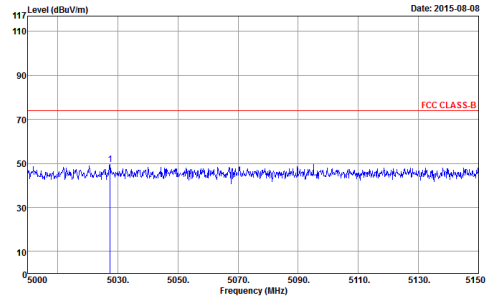
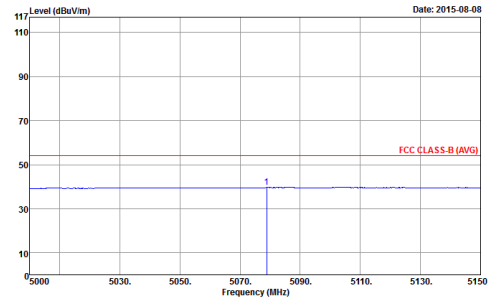
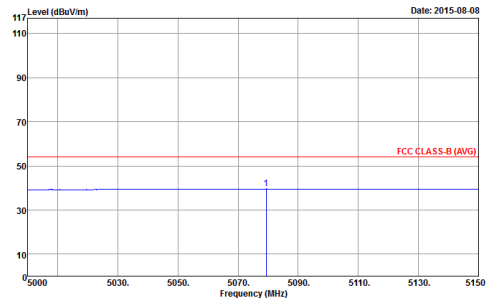
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

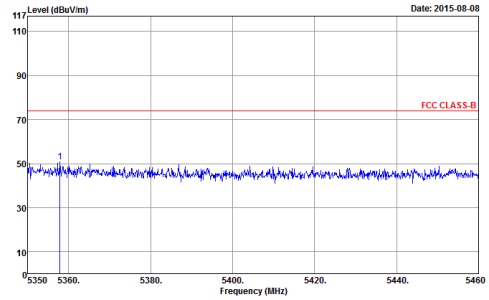
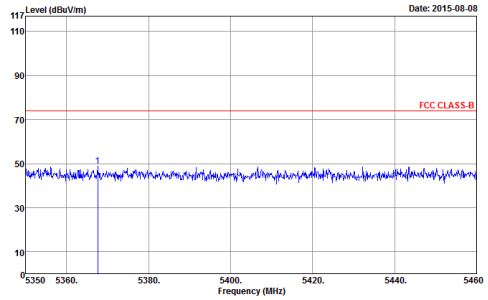
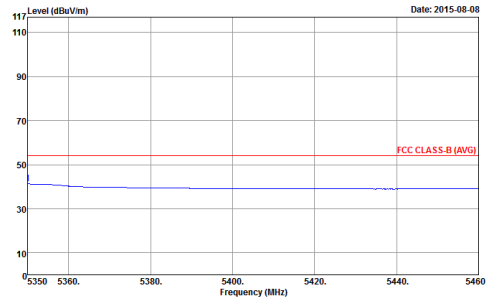
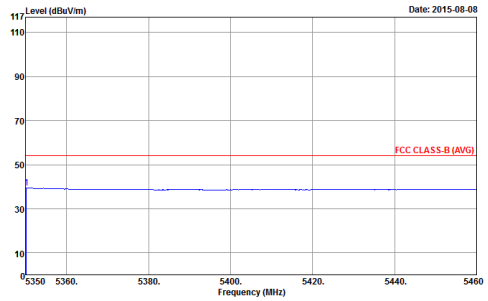
Band 2 5250~5350MHz

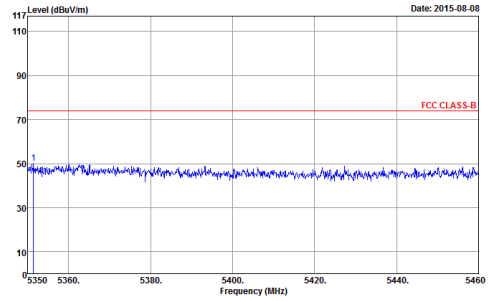
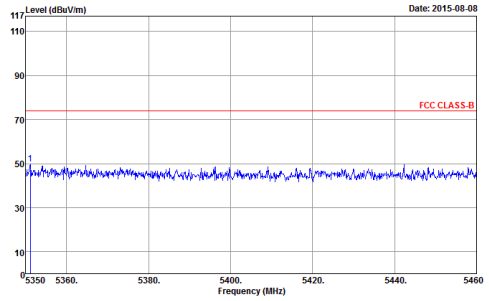
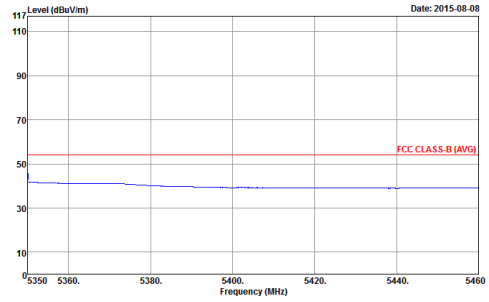
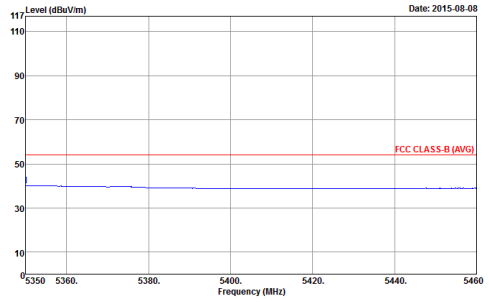
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

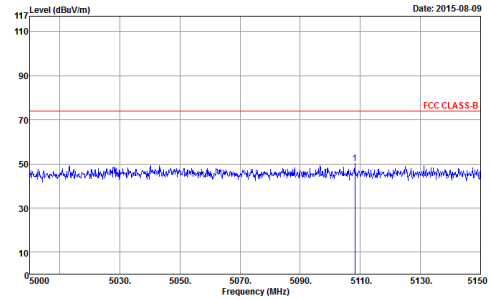
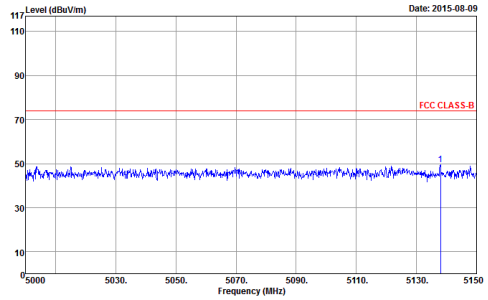
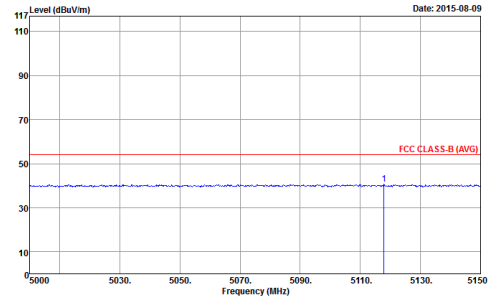
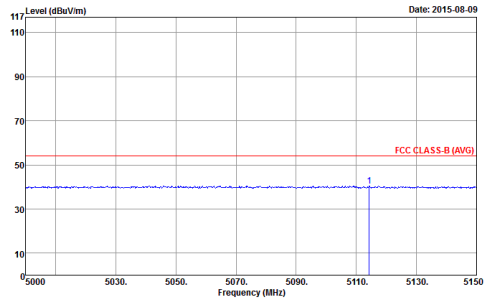
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

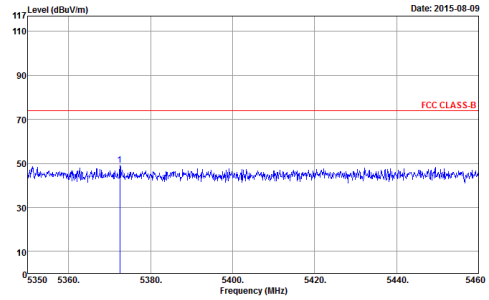
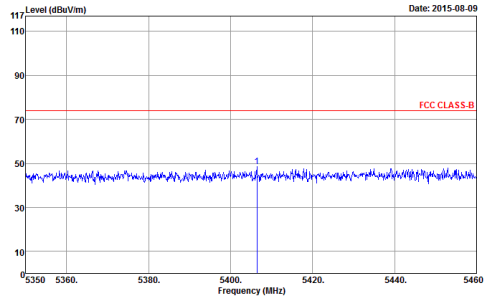
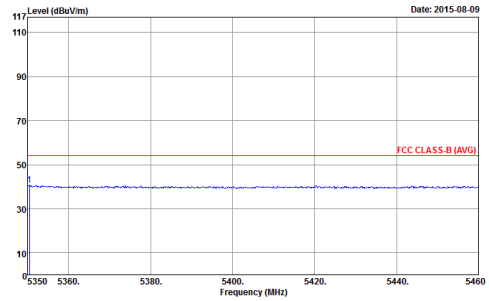
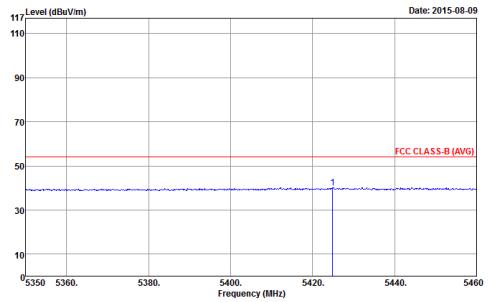
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

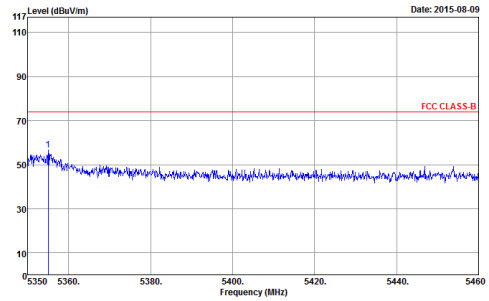
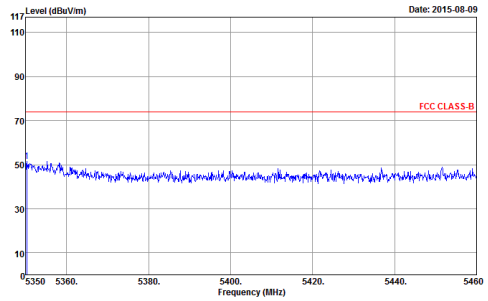
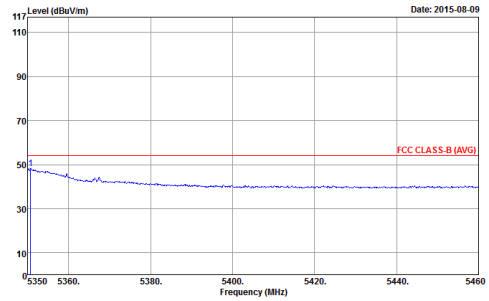
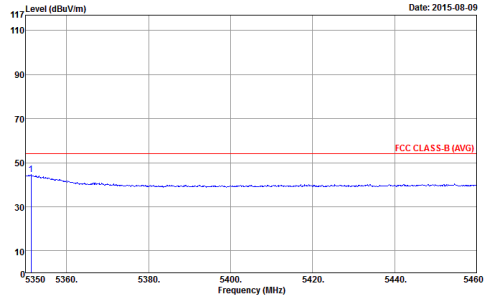
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

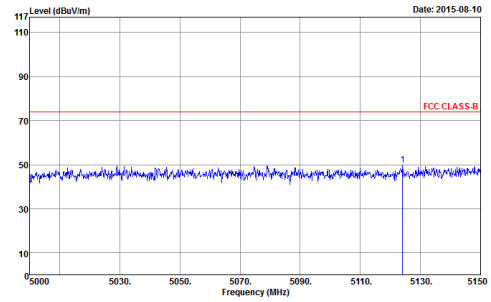
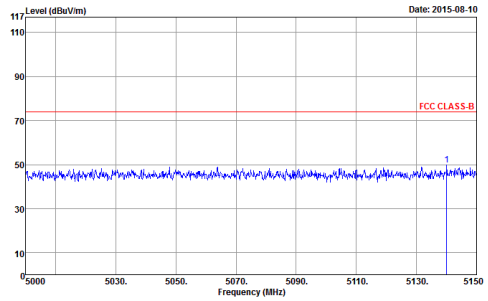
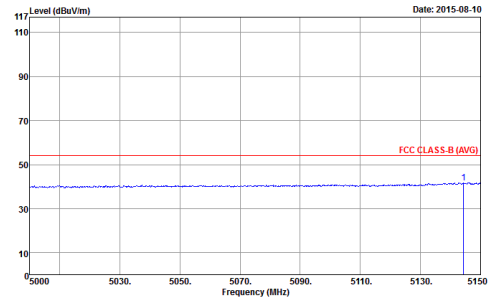
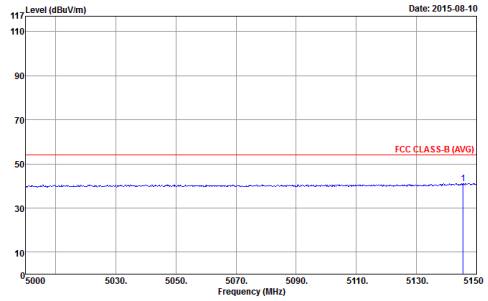
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz- Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

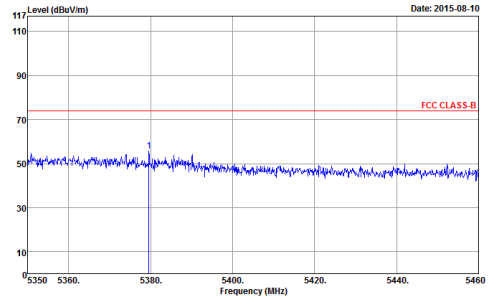
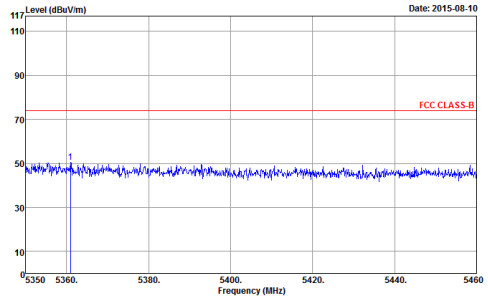
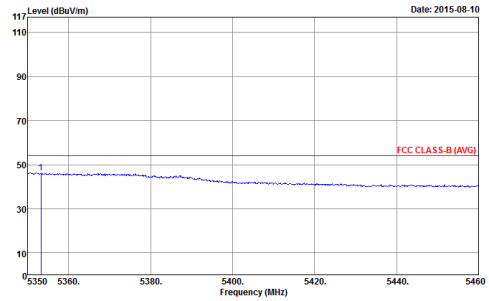
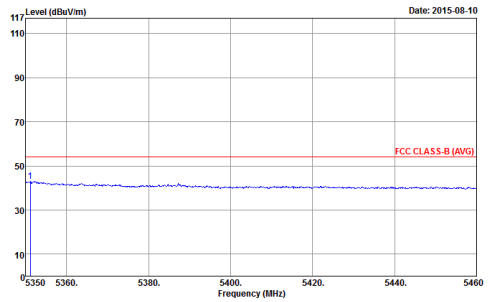
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

Band 2 5250~5350MHz

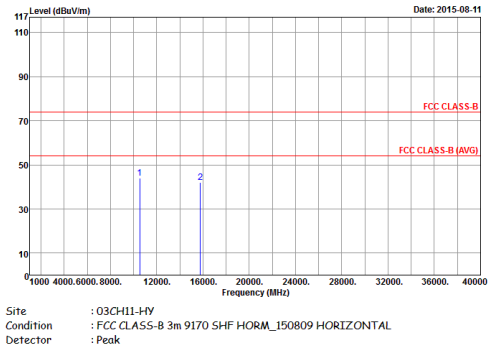
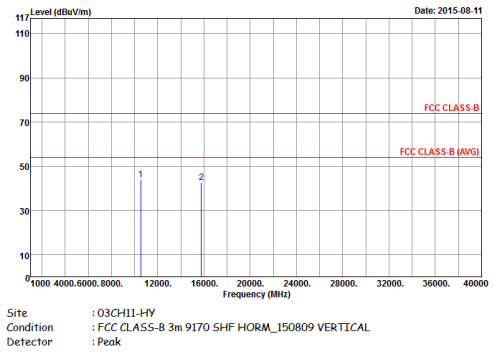
WIFI 802.11ac VHT80 (Band Edge @ 3m)

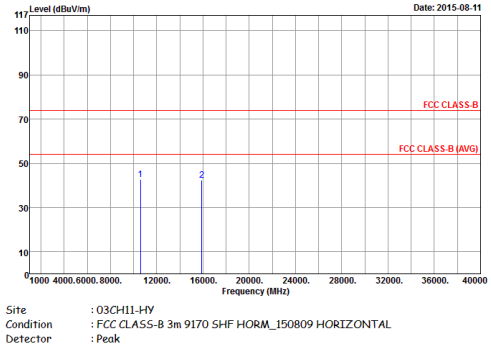
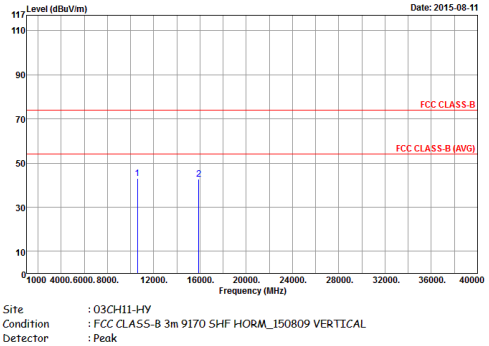
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

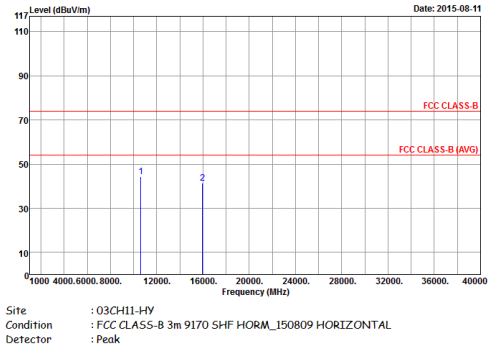
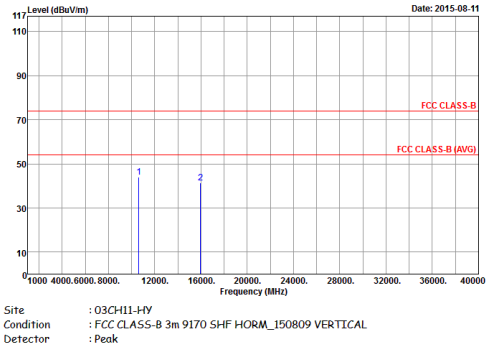
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

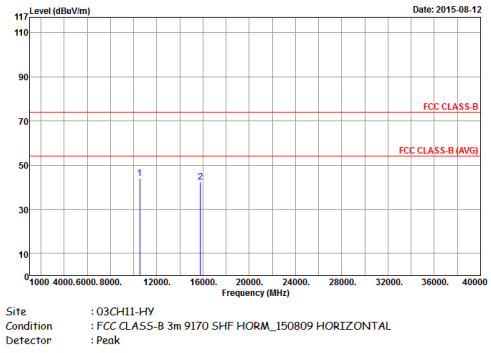
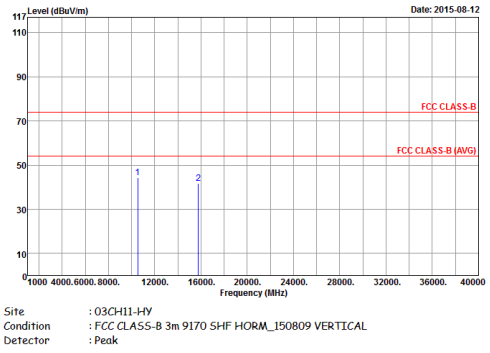
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

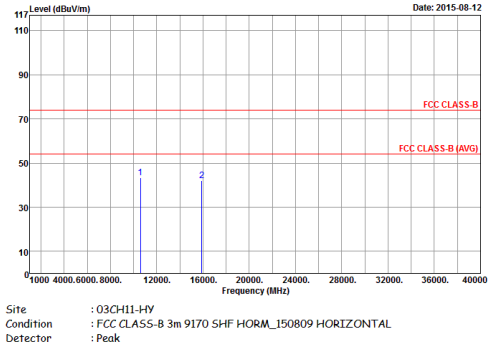
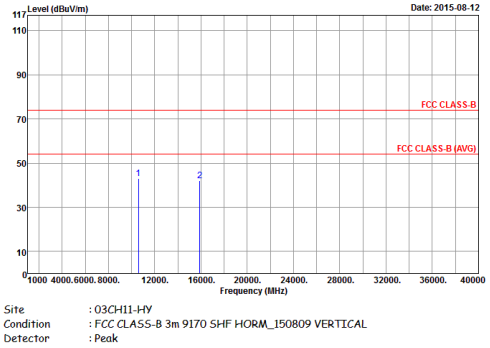
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

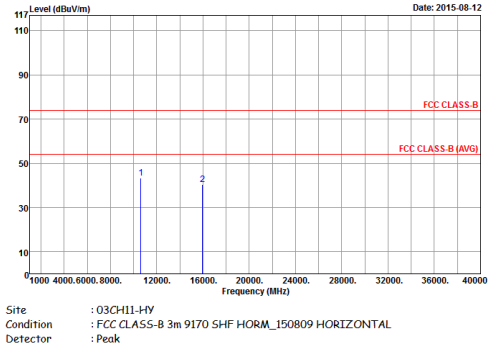
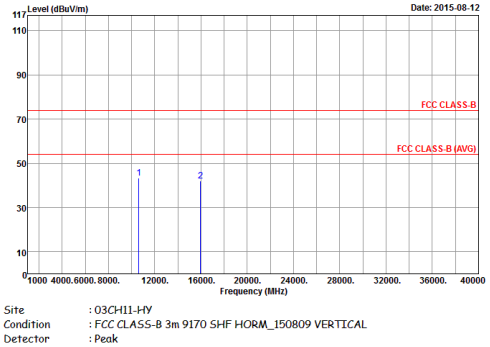
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

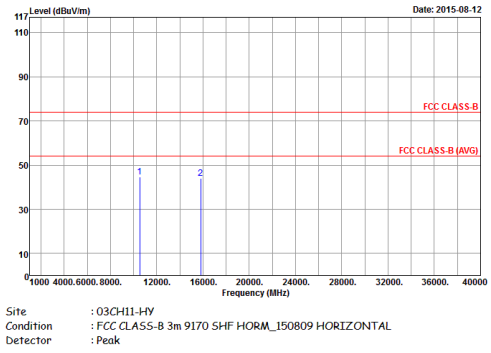
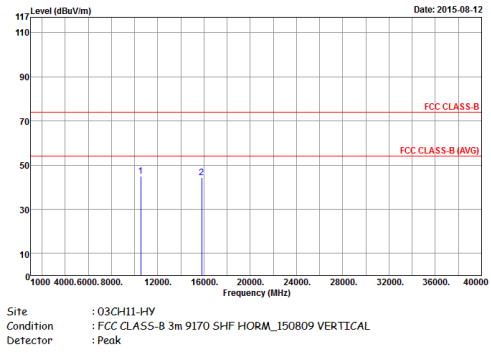
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

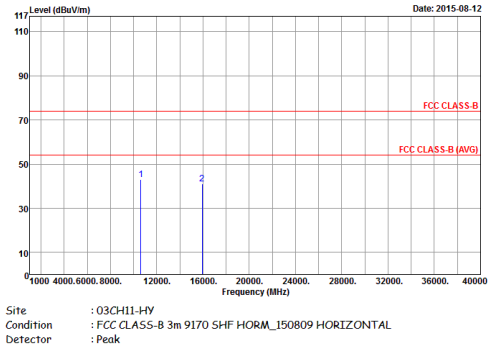
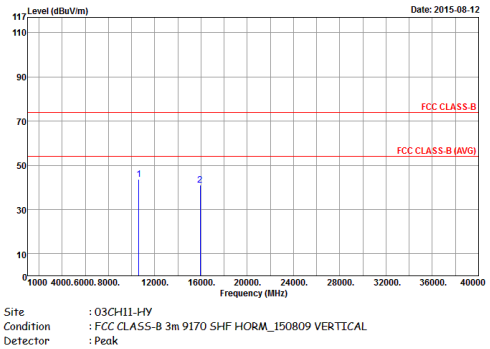
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 2 5250~5350MHz

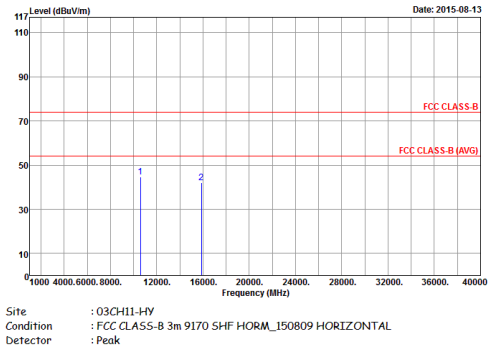
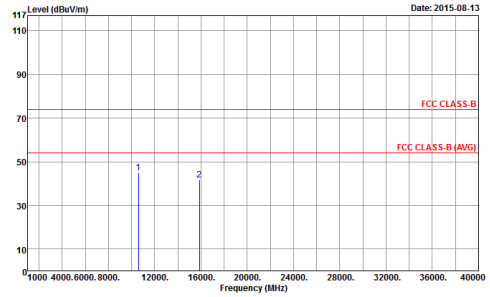
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

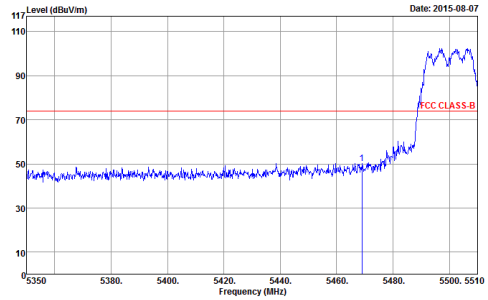
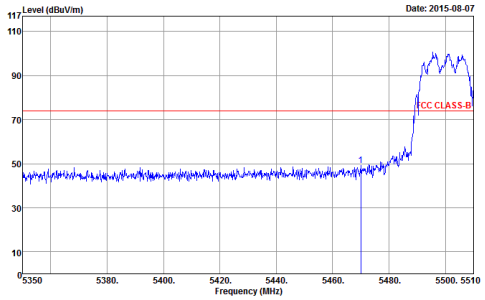
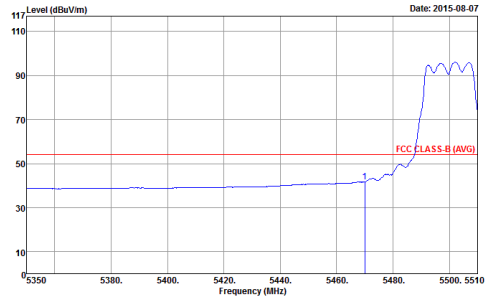
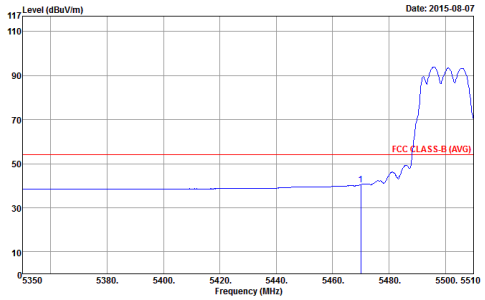
Band 2 5250~5350MHz

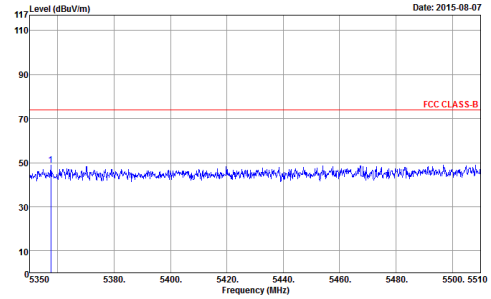
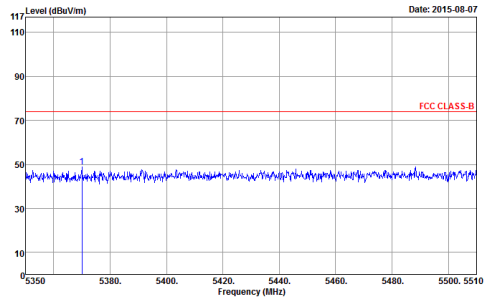
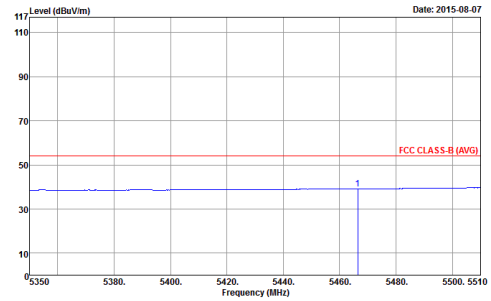
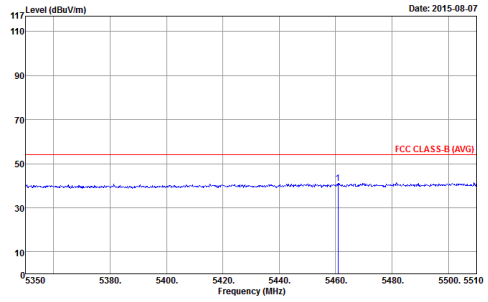
WIFI 802.11ac VHT80 (Harmonic @ 3m)

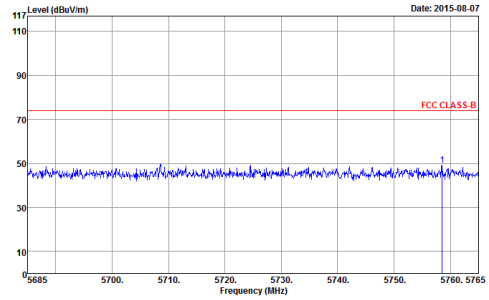
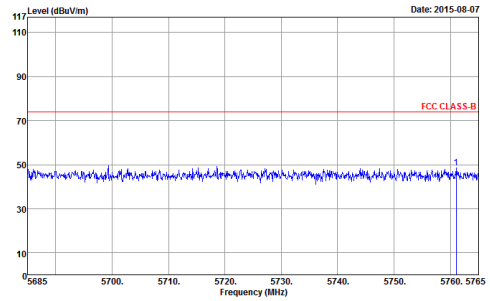
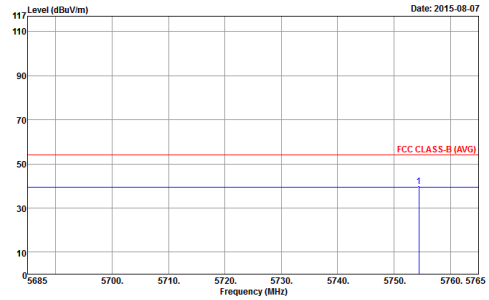
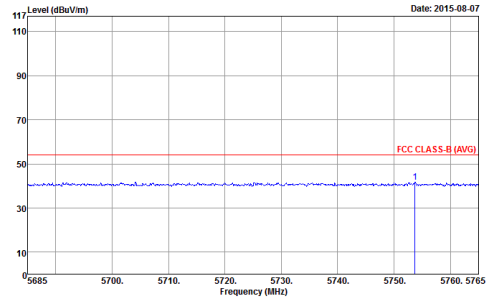
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

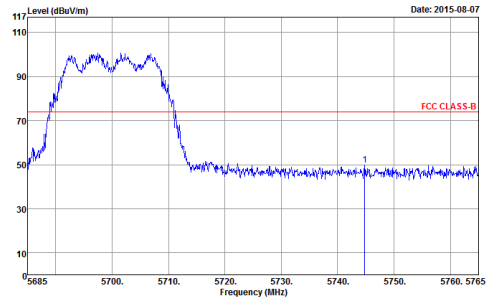
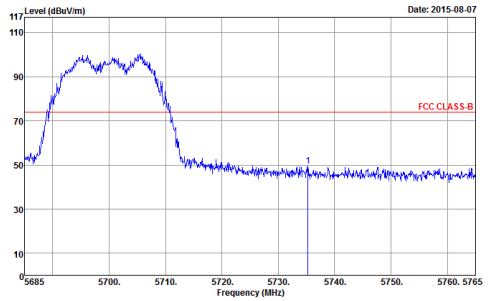
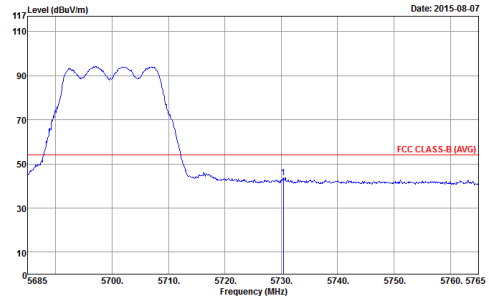
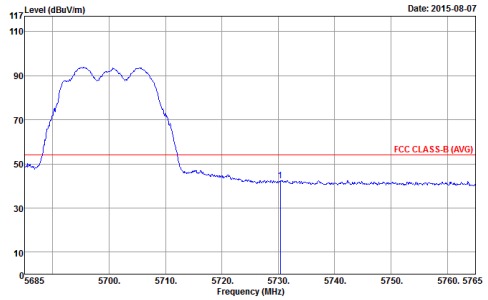
Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

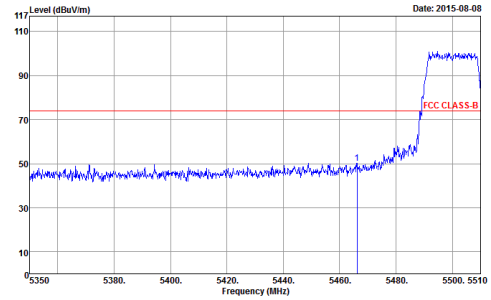
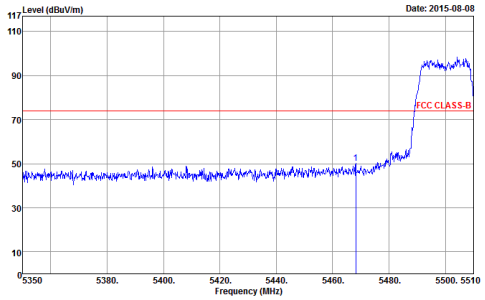
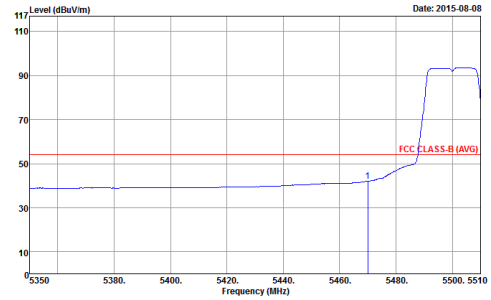
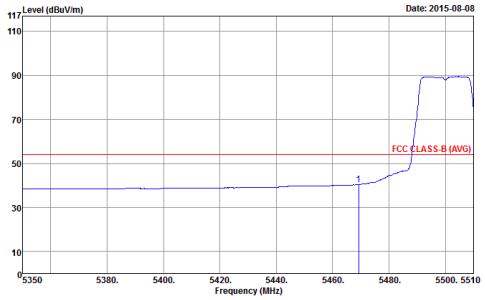
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AV6) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

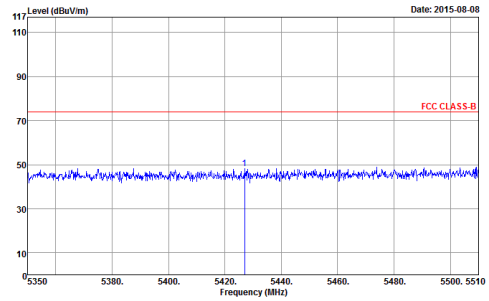
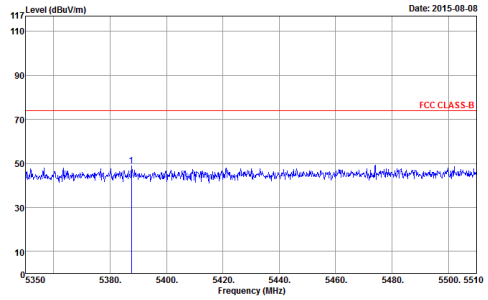
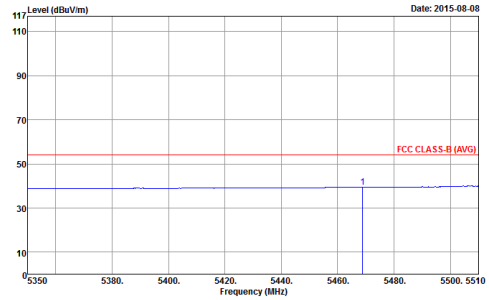
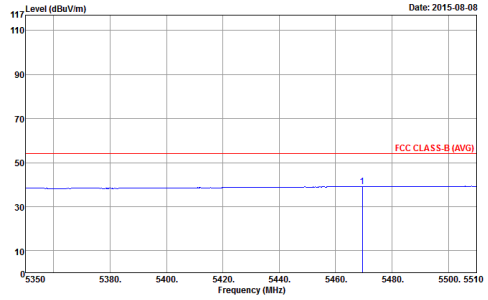
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

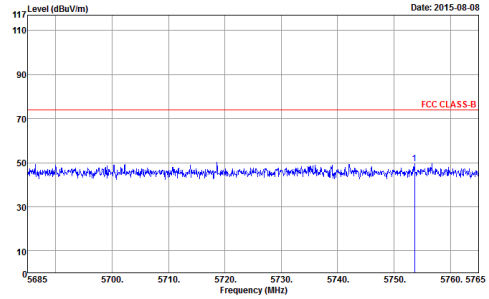
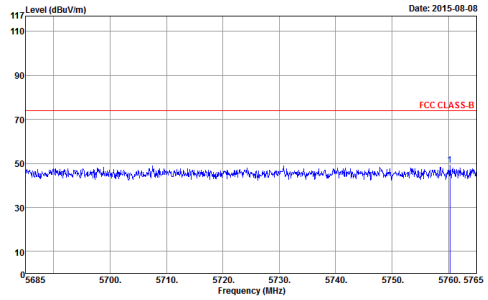
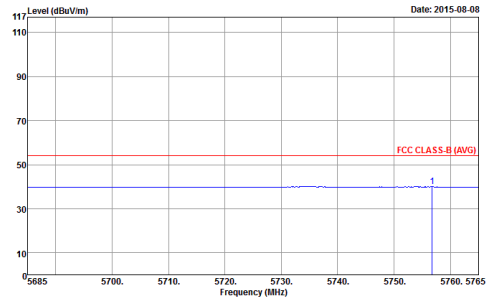
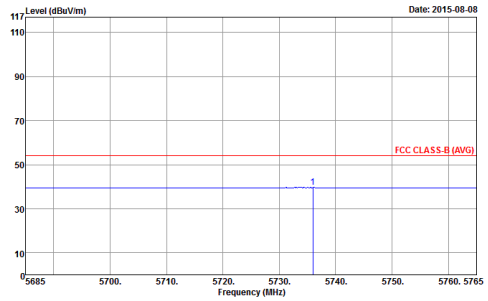
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

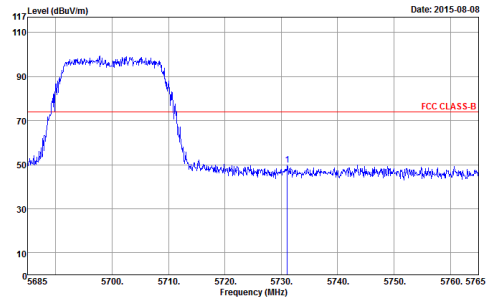
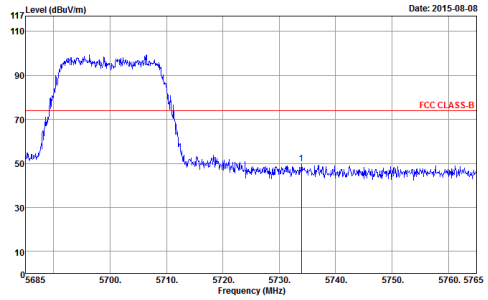
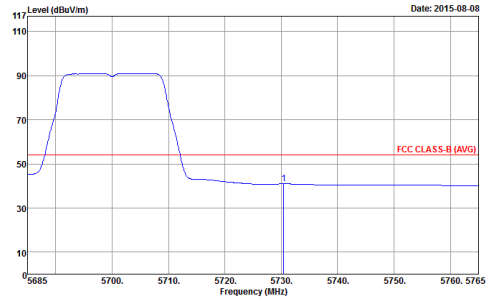
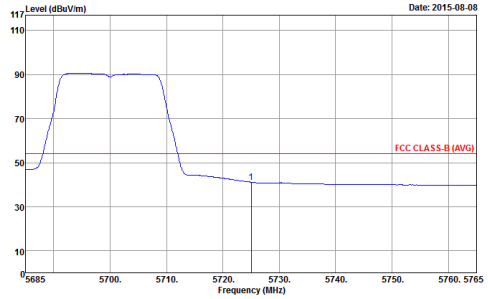
Band 3 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

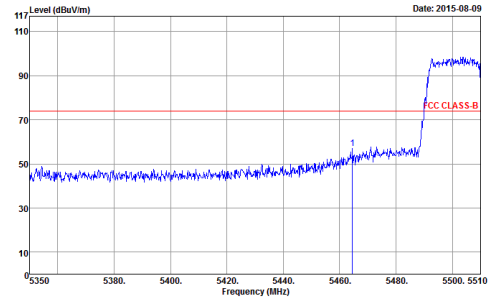
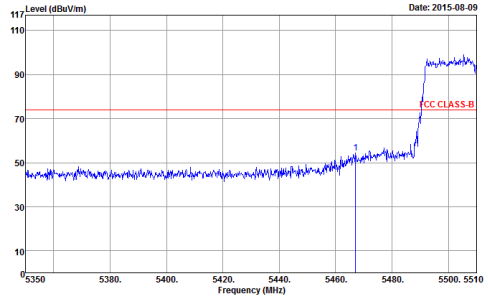
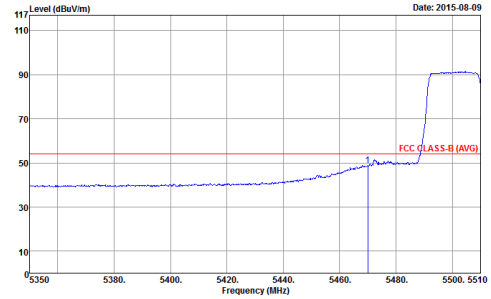
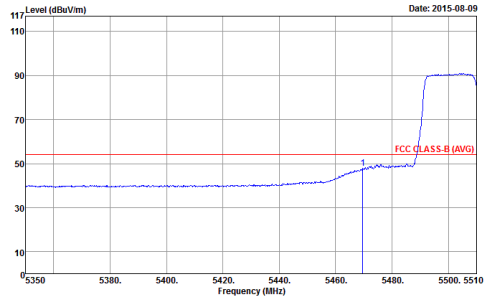
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

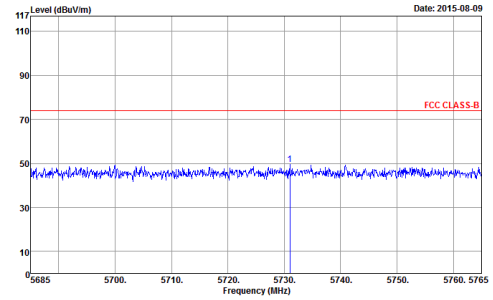
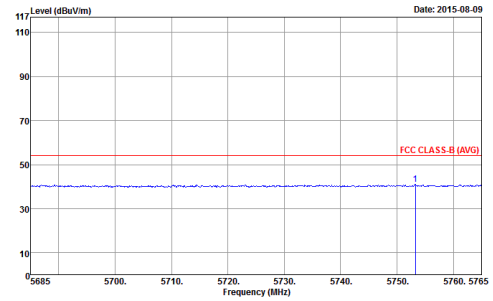
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

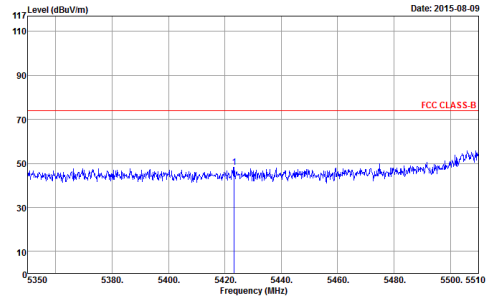
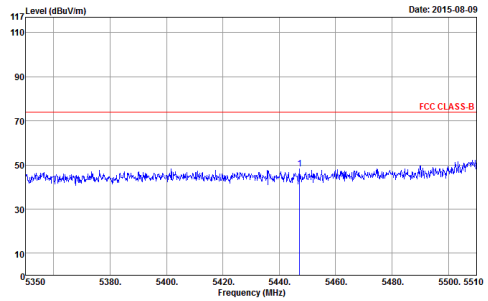
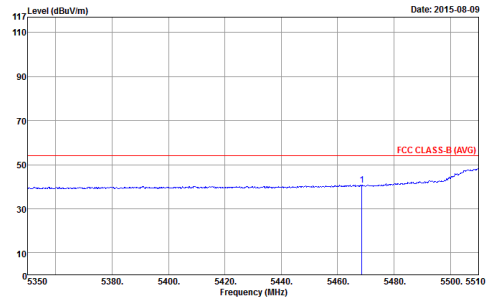
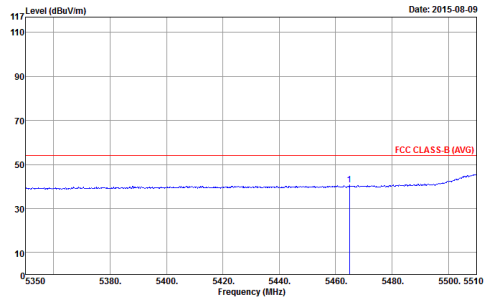
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

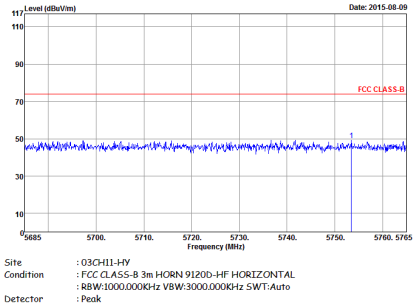
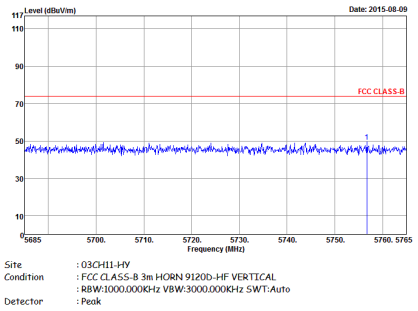
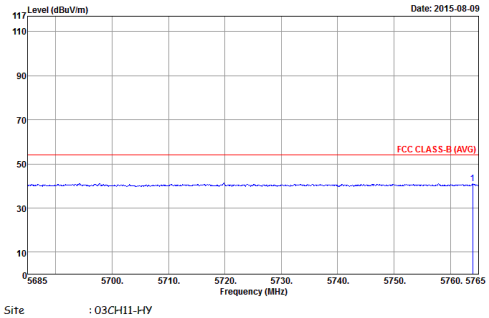
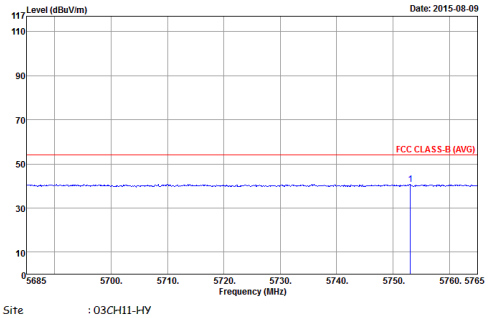
Band 3 5470~5725MHz

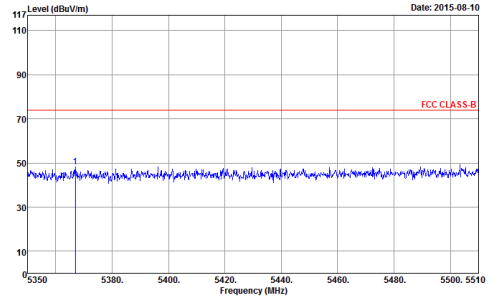
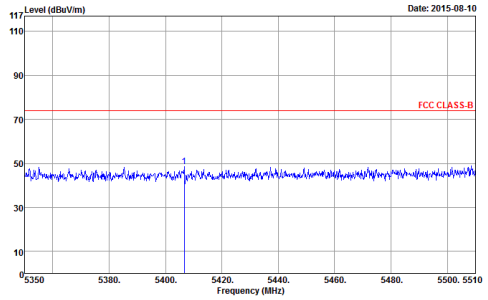
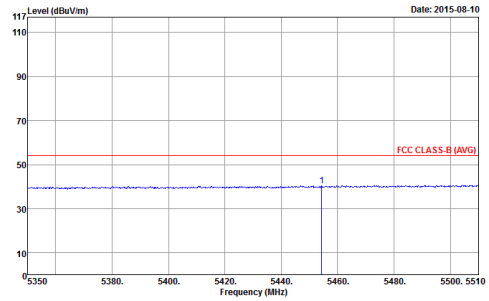
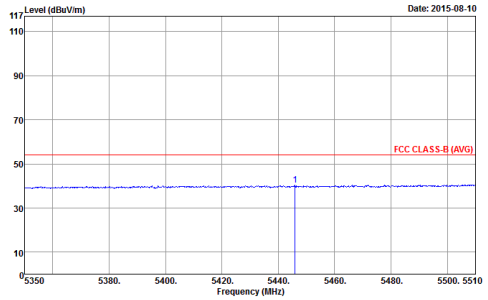
WIFI 802.11n HT40 (Band Edge @ 3m)

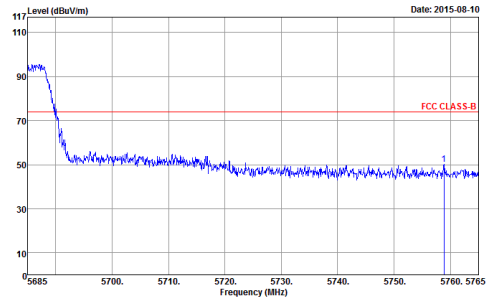
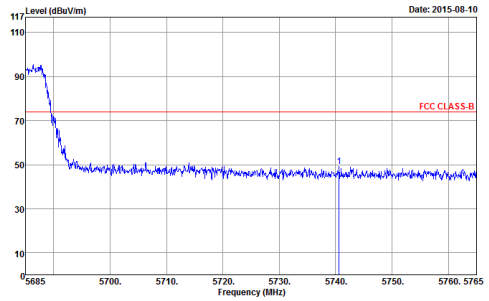
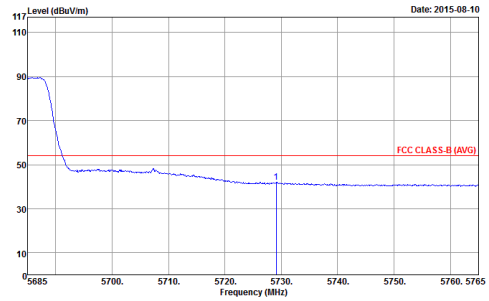
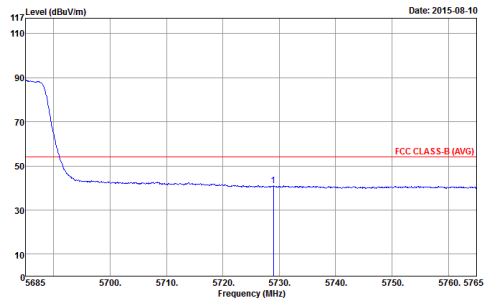
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

WIFI	Band 3 5470~5725MHz Band Edge @ 3m
ANT	802.11n HT40 CH102 5510MHz – High Channel Location
1+2	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

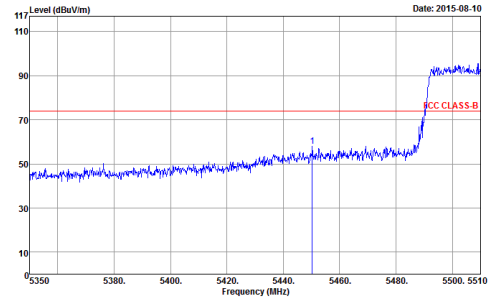
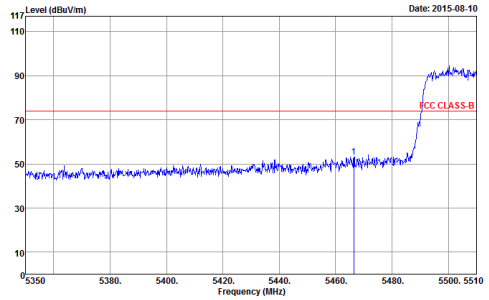
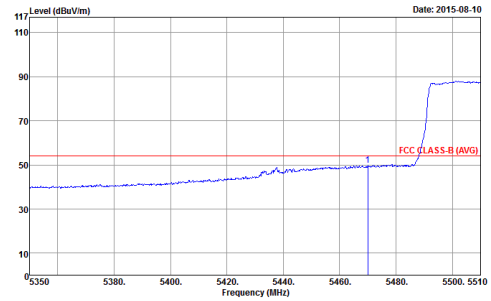
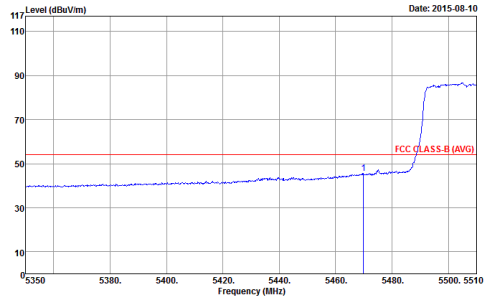
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak		
Avg.		

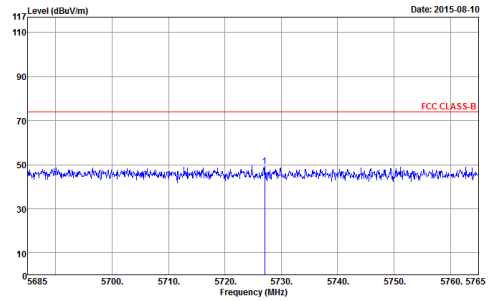
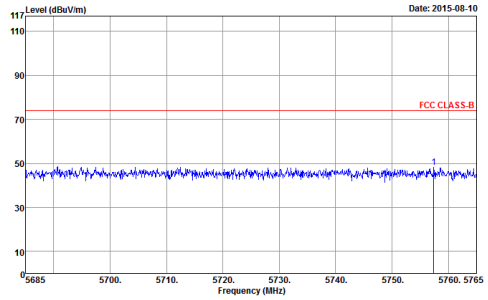
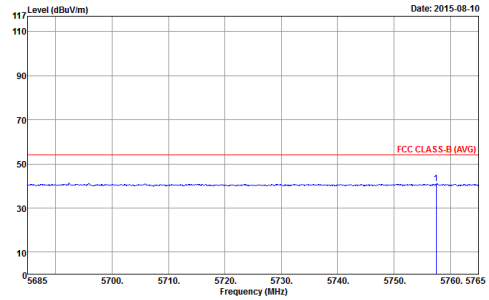
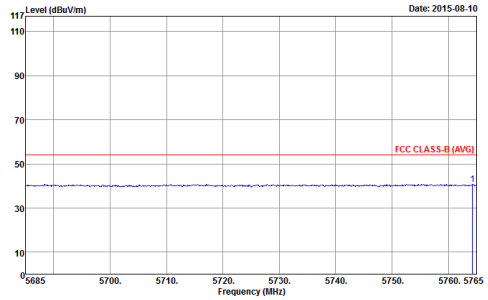
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

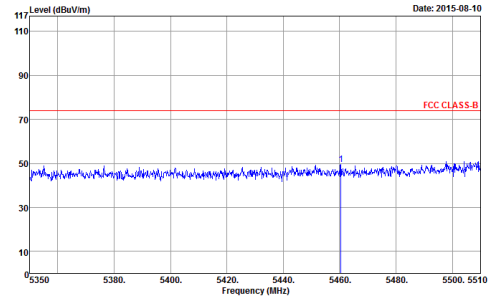
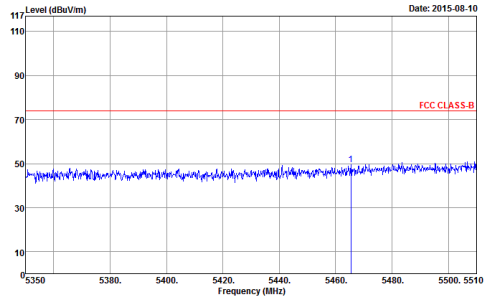
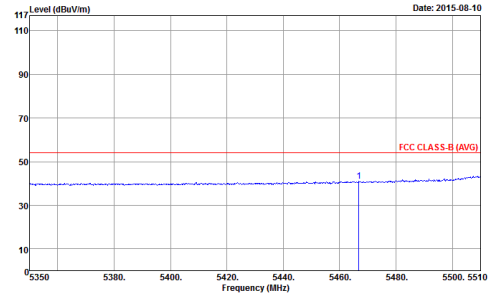
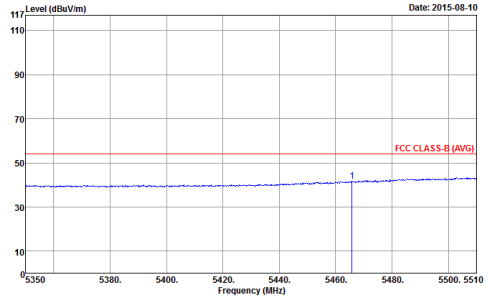
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

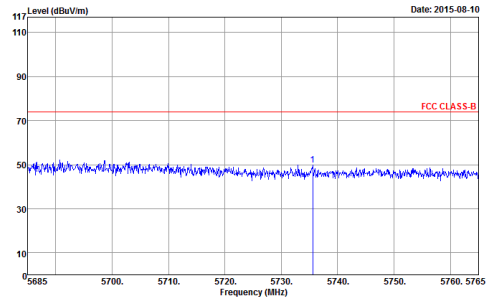
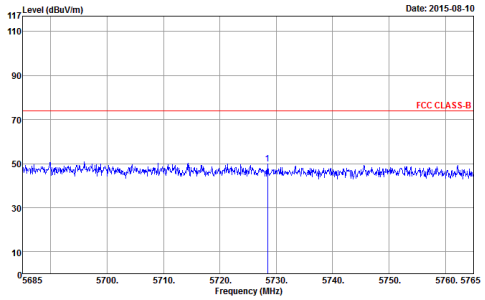
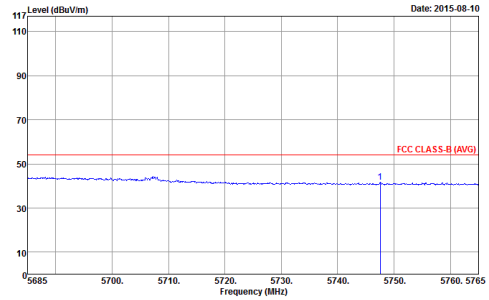
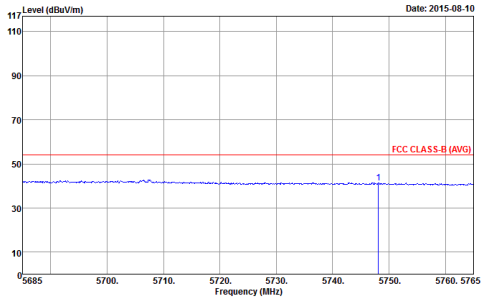
Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

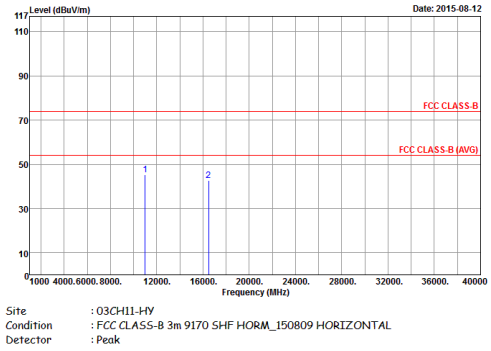
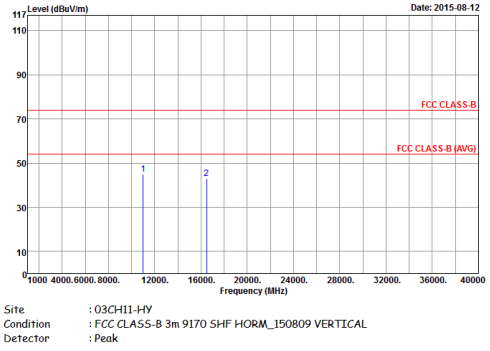
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

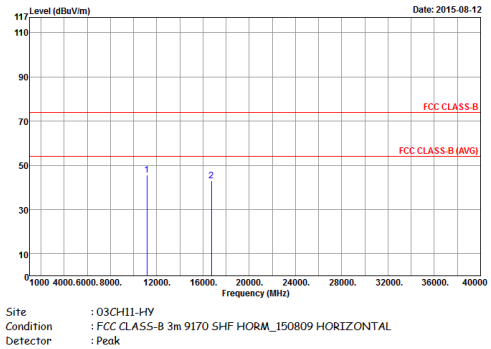
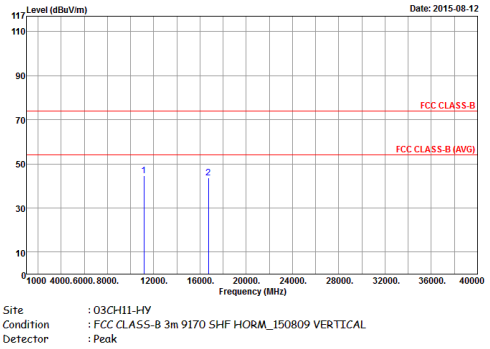
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz – Low Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

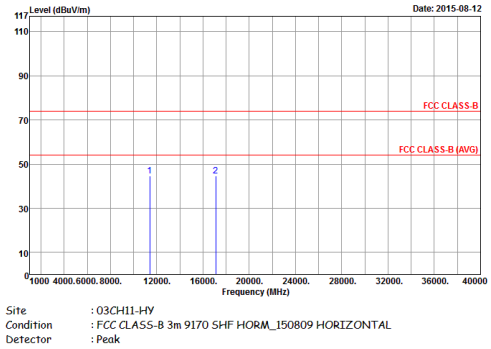
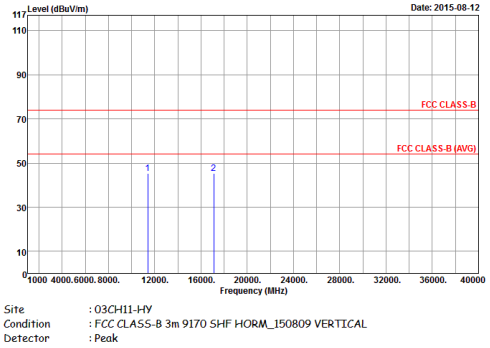
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz – High Channel Location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

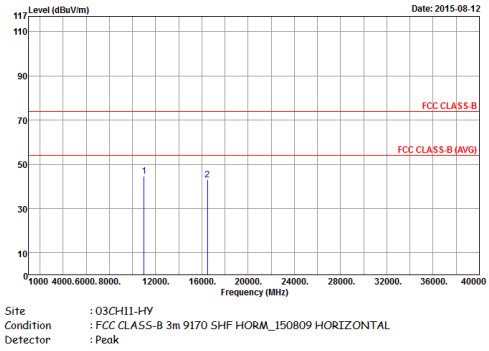
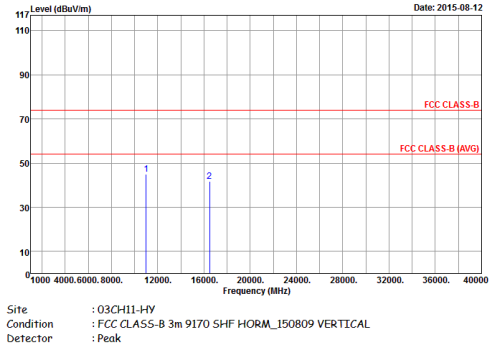
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

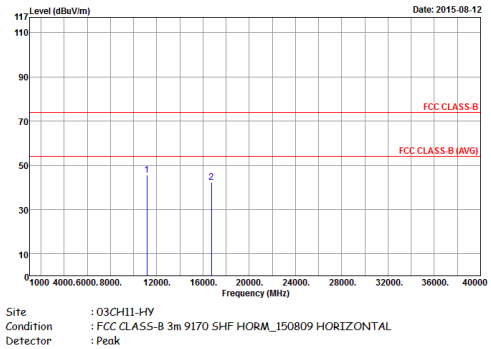
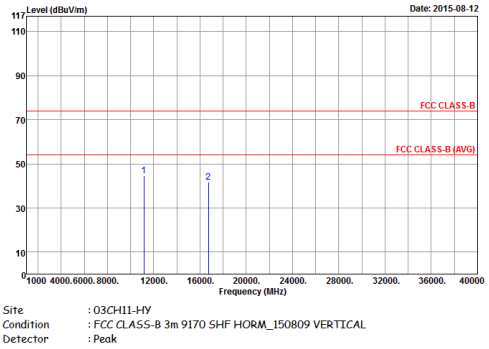
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

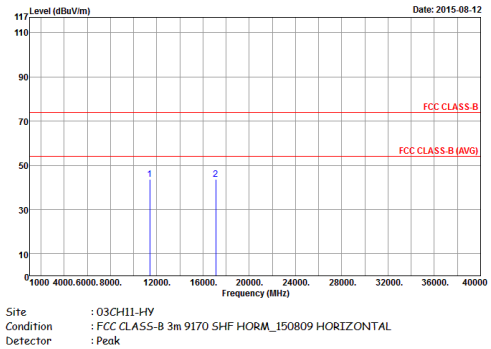
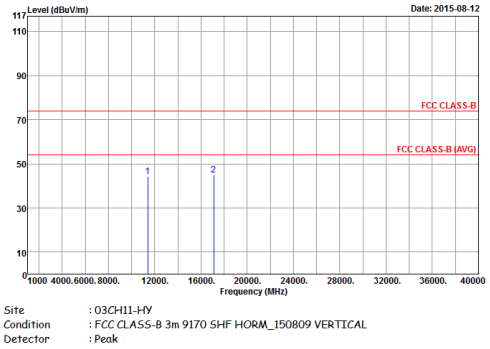
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

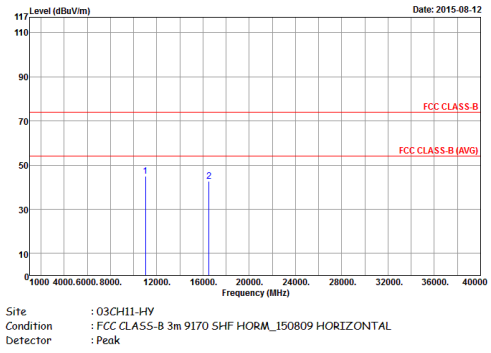
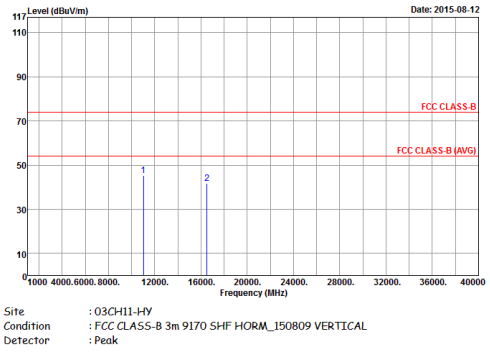
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

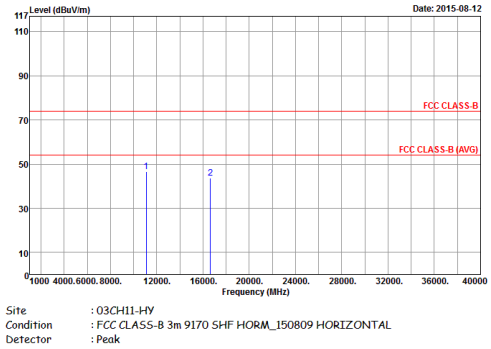
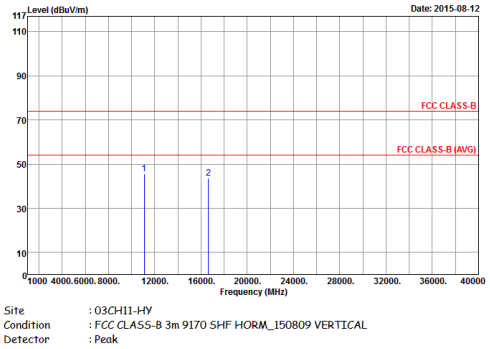
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

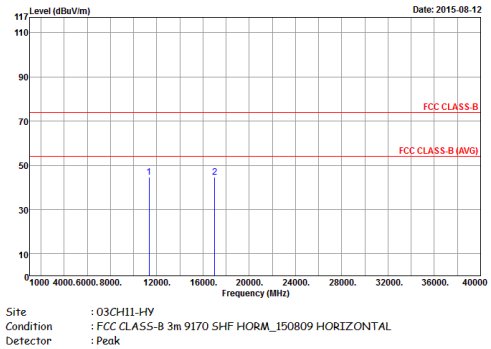
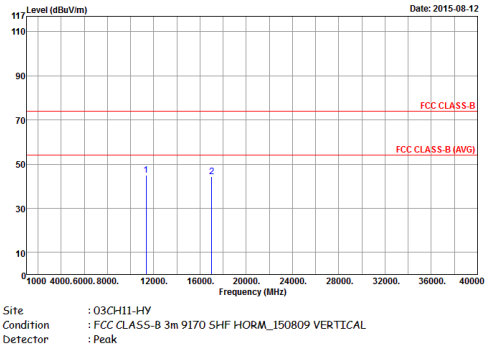
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

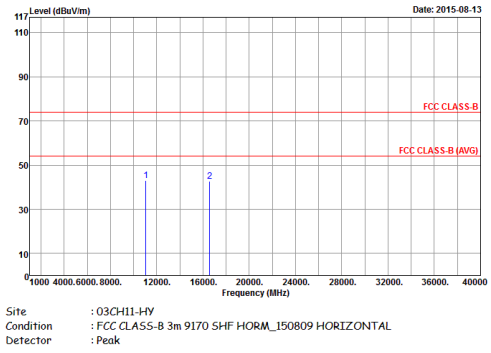
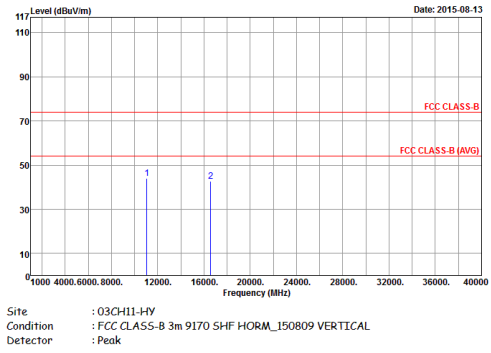
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

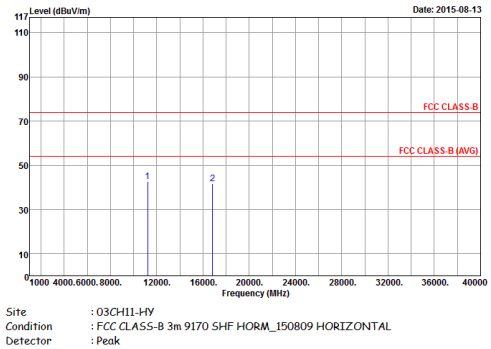
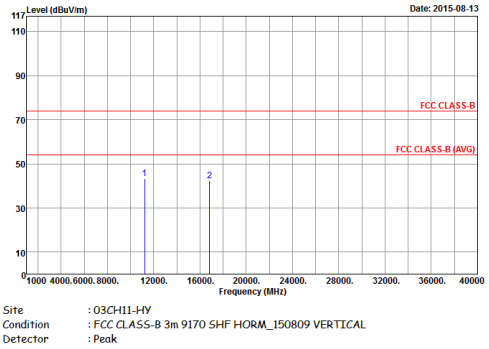
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

Band 3 5470~5725MHz

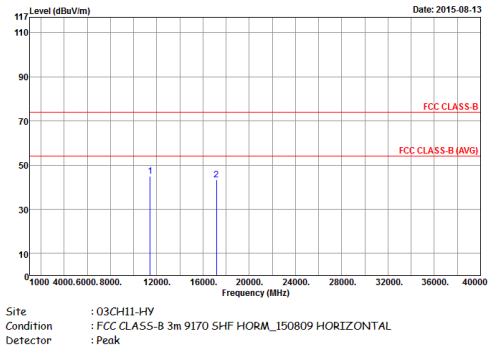
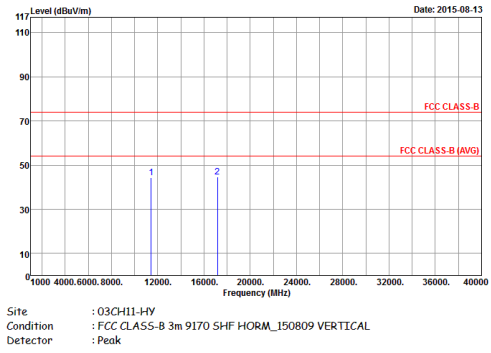
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak

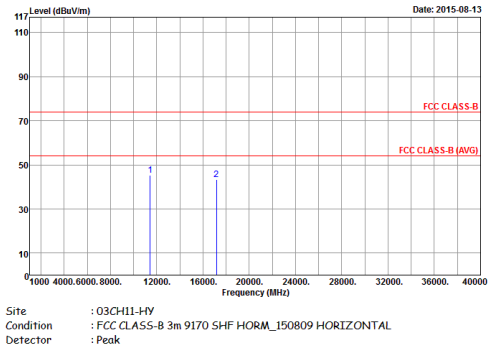
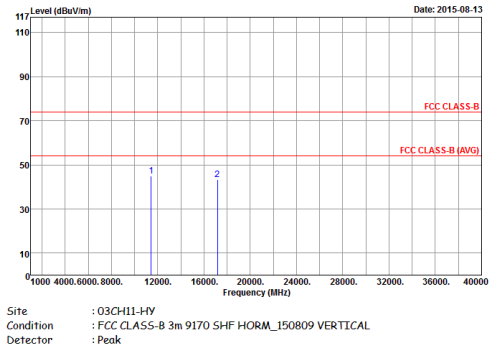
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.		

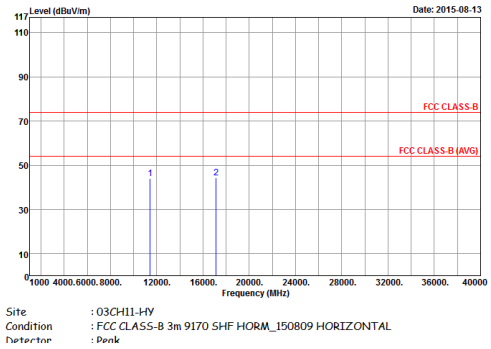
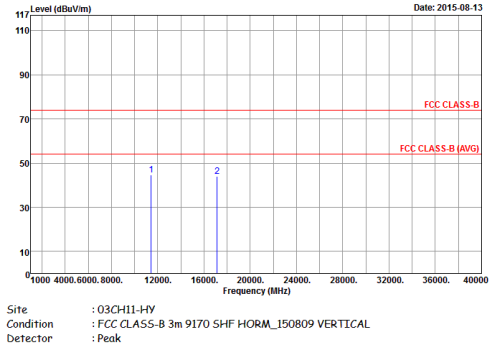
Band 3 – Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.		

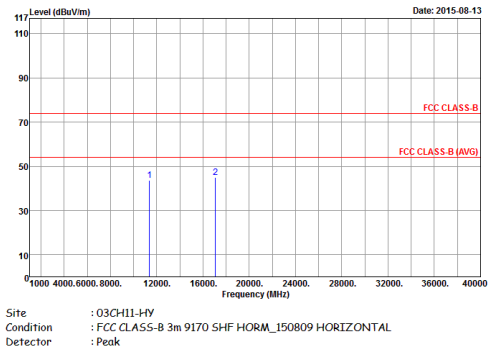
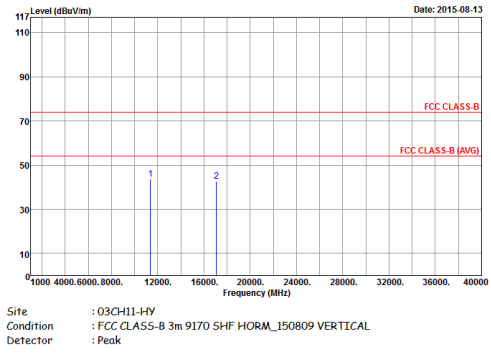
Band 3 – Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.		

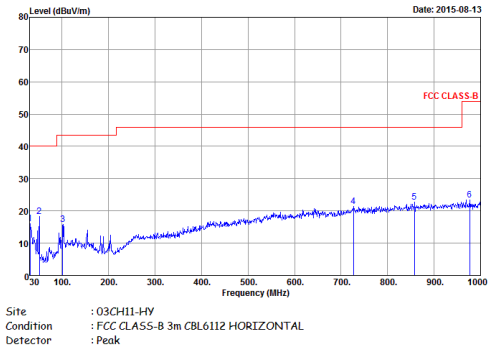
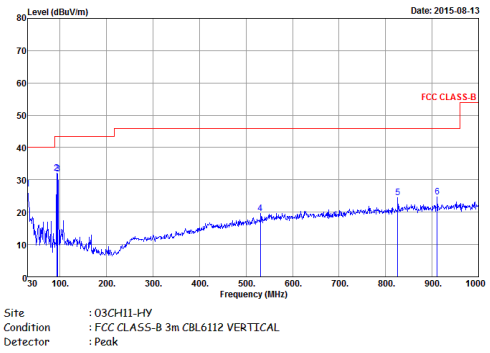
Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.		

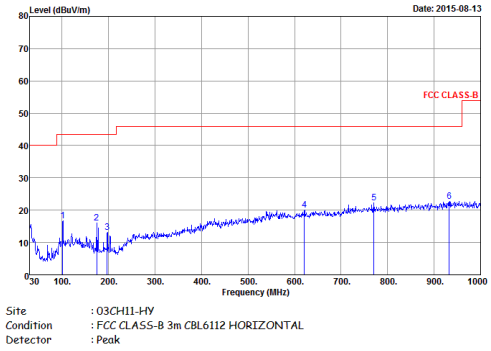
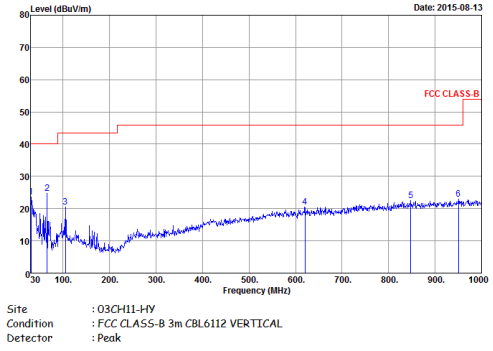
Emission below 1GHz

5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1+2	Horizontal	Vertical
QP / Peak		

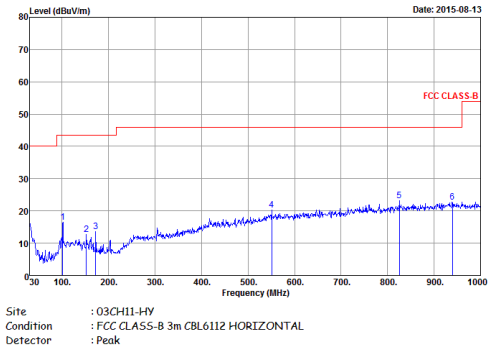
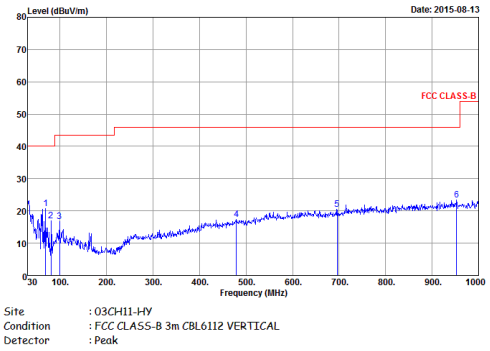
Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1+2	Horizontal	Vertical
QP / Peak		

Emission below 1GHz

5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak		

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak