



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-PM0900
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



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR571610F	Rev. 01	Initial issue of report	Aug. 31, 2015
FR571610F	Rev. 02	Revising UNII-3 straddle channels limits of 26dB, 99% OBW, and average power table	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	$\leq -17, -27$ dBm (depend on band)&15.209(a)	Pass	Under limit 3.68 dB at 5148.200 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 21.90 dB at 0.694 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 Vattentorget, 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, 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 : 004402455309033	A	32.0.A.0.323	CB5A276KW0	RF conducted measurement
IMEI : 004402455308415			CB5A2741W1	Radiated Spurious Emission
IMEI : 004402455306211			CB5A2741RU	Conducted Emission

Accessory List	
AC Adapter	Model No. : UCH20
	Type No. : AC-0061-US
	S/N :
	5815W22500081 (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 :
	10115W02400028C (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 1 st 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.	
	03CH10-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 (Y 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. 1

5GHz 802.11a mode			
Data Rate (MHz)	6M bps		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.58	9.36	9.37
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.64	9.60	9.58
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.86	9.50	9.32

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.45	9.32	9.22
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.46	9.43	9.64
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.84	9.63	9.38



5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.79	9.54	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.77	9.64	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.90	9.69	9.53

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.68	9.22	9.26
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.77	9.42	9.54
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.67	9.51	9.13



5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.79	9.67	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.72	9.65	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.88	9.84	9.52

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)	9.64	9.98	9.99	9.73

**SISO Ant. 2**

5GHz 802.11a mode			
Data Rate (MHz)	6M bps		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.58	9.46	9.32
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.26	9.36	9.60
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.39	9.31	9.36

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.46	9.25	9.23
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.50	9.27	9.47
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.53	9.29	9.41



5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.38	9.52	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.77	9.39	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.64	9.66	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)	9.50	9.45	9.52
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.48	9.45	9.35
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.50	9.27	9.26



5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.75	9.54	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.50	9.58	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.62	9.53	9.64

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)	9.74	9.90	9.81	9.82

**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)	12.59	12.48	12.38
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.66	12.61	12.62
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.87	12.52	12.37

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS8		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.47	12.34	12.45
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.60	12.44	12.65
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.85	12.64	12.42



5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS8		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	12.88	12.59	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	12.78	12.66	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	12.91	12.75	12.55

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.70	12.47	12.57
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.82	12.48	12.71
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.69	12.52	12.28



5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	12.92	12.69	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	12.85	12.67	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	12.90	12.85	12.67

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)	12.75	12.99	13.00	12.82

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



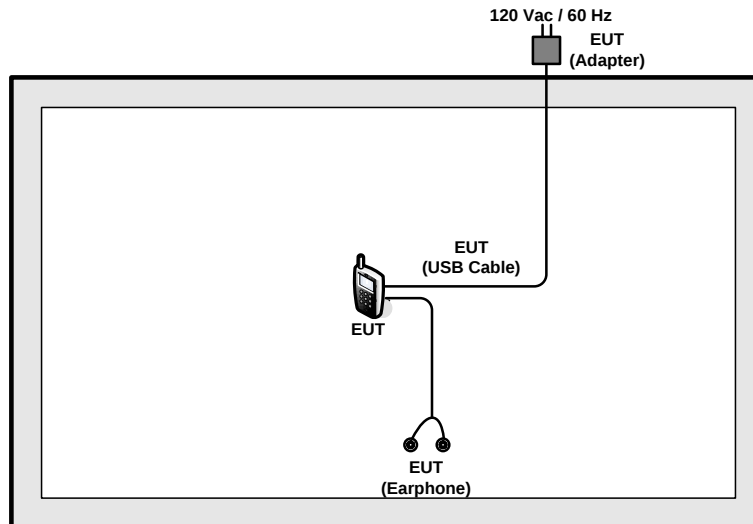
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

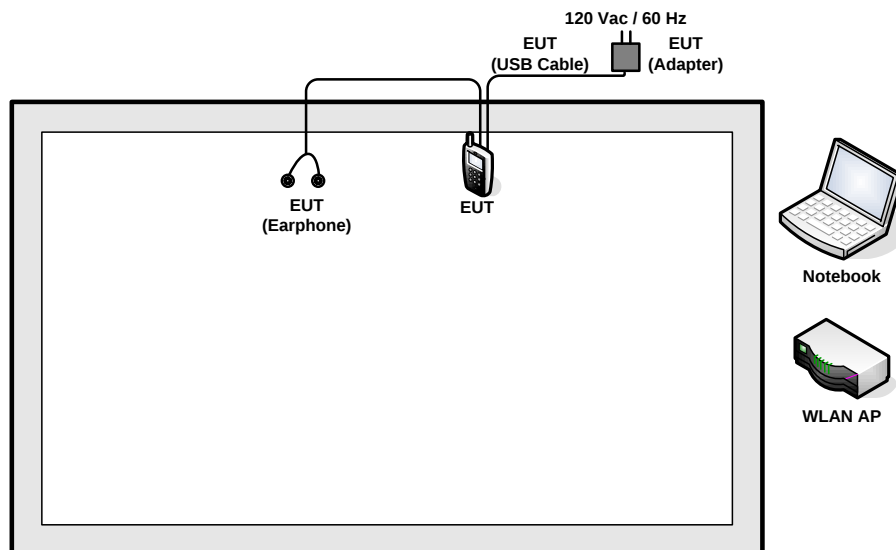
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle Band		-	-	138

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.

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$

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.

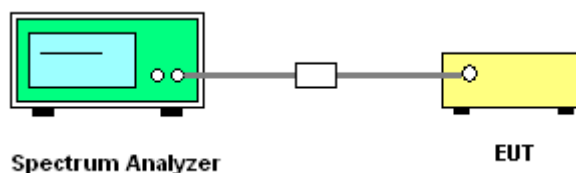
3.1.2 Measuring Instruments

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) $\geq 3 * \text{RBW}$.
8. Measure and record the results in the test report.

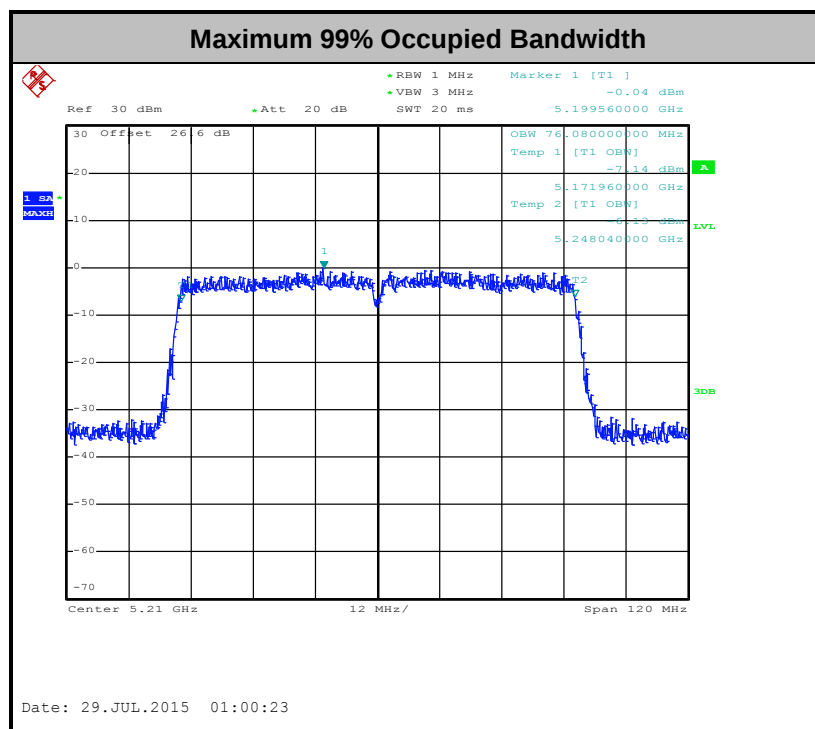
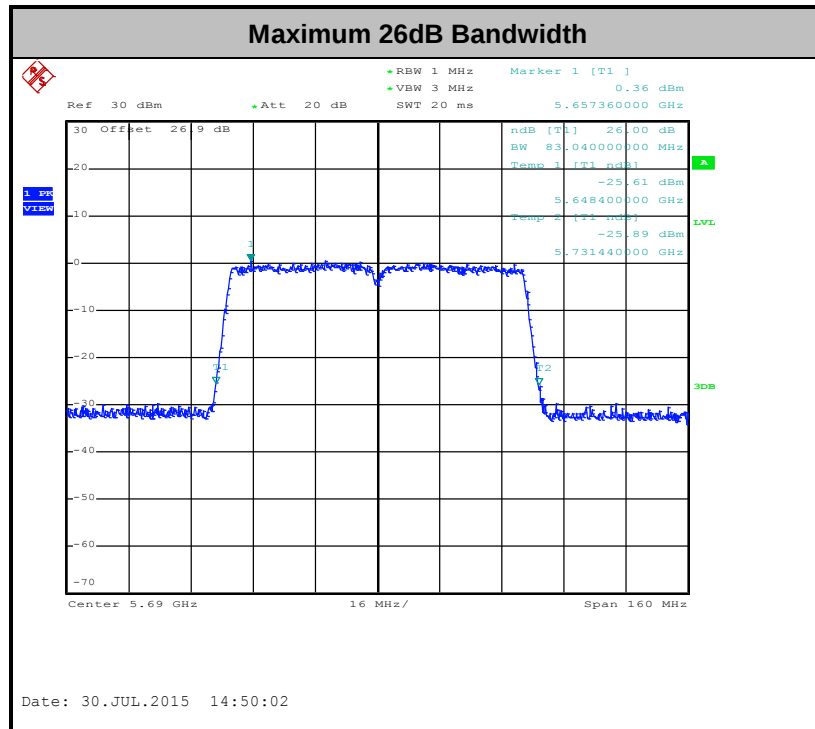
3.1.4 Test Setup





3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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):

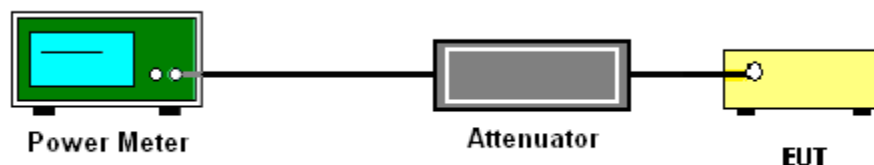
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x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

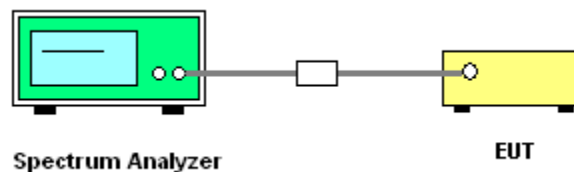
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:



For straddle channel:



3.2.5 Test Result of Maximum Conducted Output Power

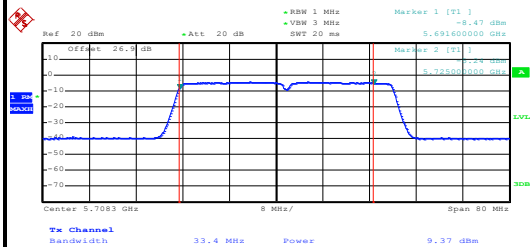
Please refer to Appendix A.



Maximum Straddle Channel Power

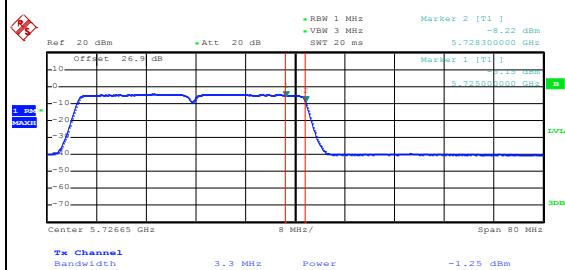
Ant. 1

NII-2C Band



Date: 28.JUL.2015 19:41:06

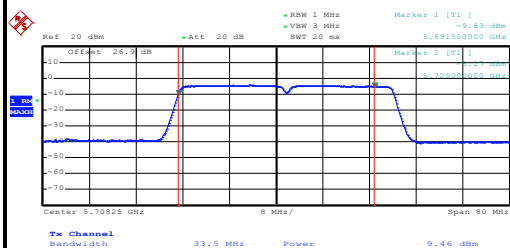
DTS Band



Date: 28.JUL.2015 19:42:01

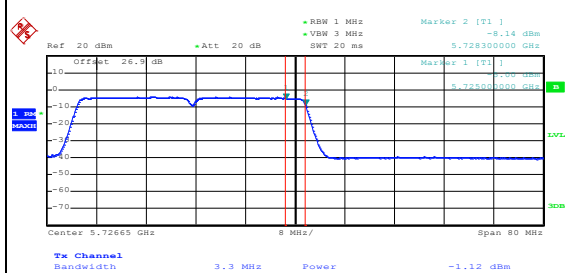
Ant. 2

NII-2C Band



Date: 28.JUL.2015 19:48:31

DTS Band

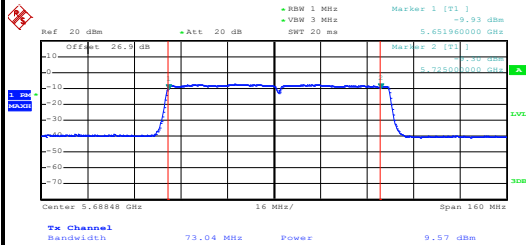


Date: 28.JUL.2015 19:47:57



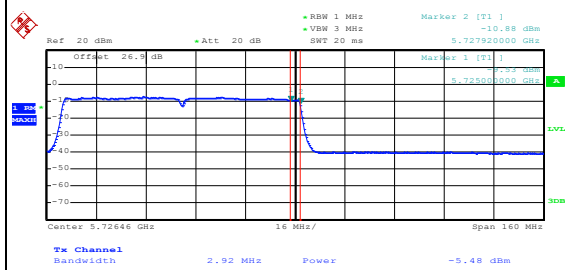
MIMO Ant. 1+2 (1)

NII-2C Band



Date: 28.JUL.2015 20:55:08

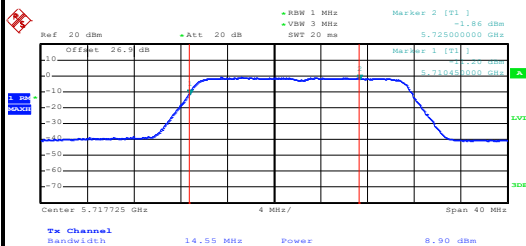
DTS Band



Date: 30.JUL.2015 16:01:38

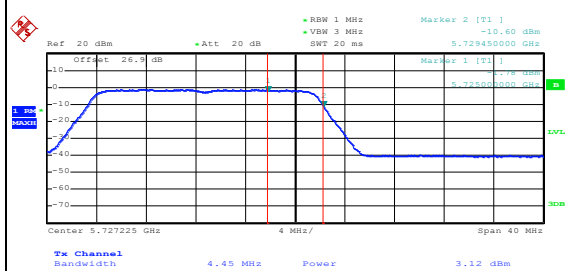
MIMO Ant. 1+2 (2)

NII-2C Band



Date: 28.JUL.2015 19:34:08

DTS Band



Date: 28.JUL.2015 19:33:38



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).

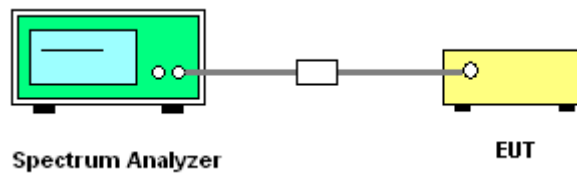
1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
 - Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 -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

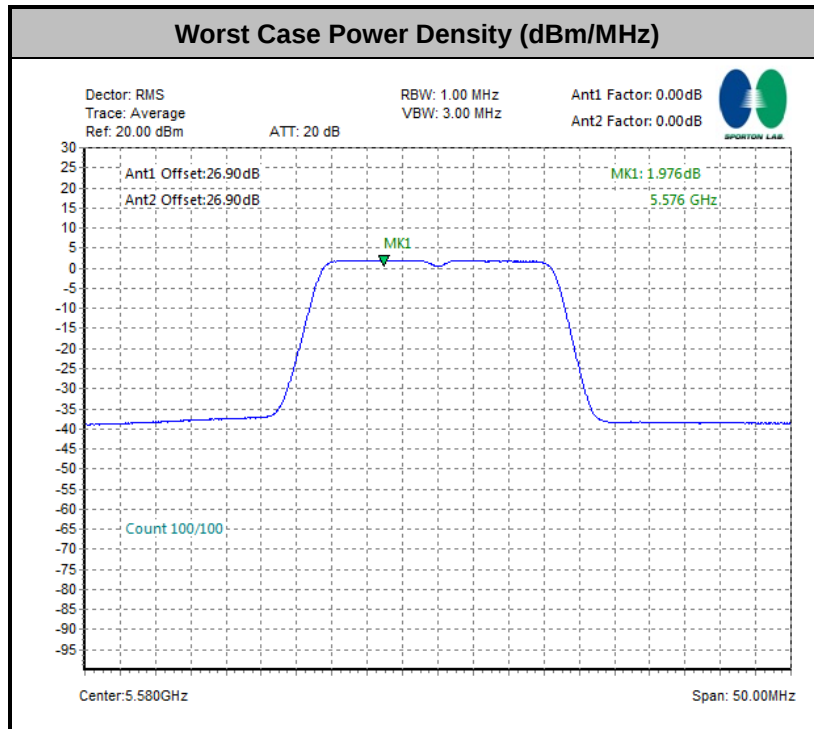
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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.

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

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

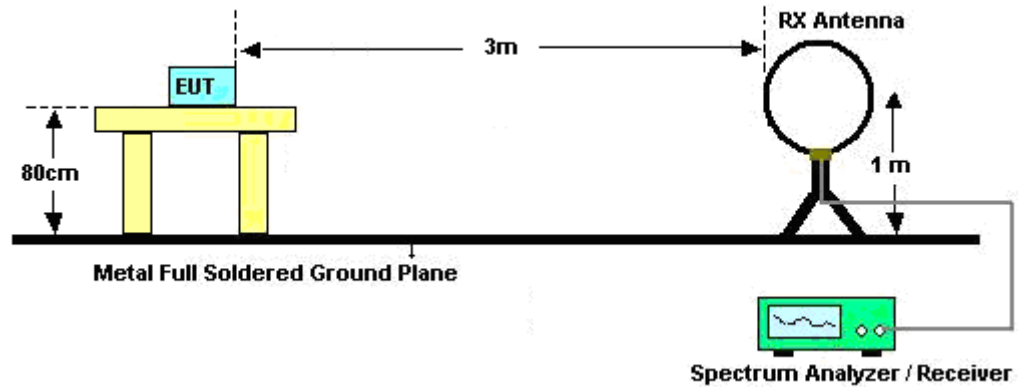
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11a for Ant1	100	-	-	10Hz
1+2	802.11a for Ant2	100	-	-	
1+2	802.11n HT20 for Ant1	98.67	-	-	
1+2	802.11n HT20 for Ant2	98.67	-	-	
1+2	802.11n HT40 for Ant1	97.35	736	1.36	2kHz
1+2	802.11n HT40 for Ant2	97.37	740	1.35	
1+2	802.11ac VHT80 for Ant1	94.85	368	2.72	3kHz
1+2	802.11ac VHT80 for Ant2	94.79	364	2.75	

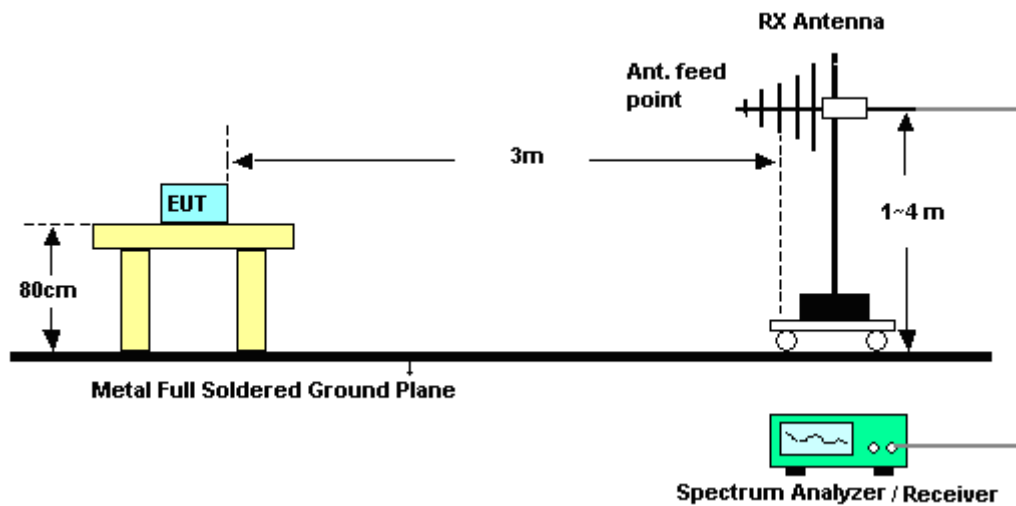
- The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The antenna is a broadband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

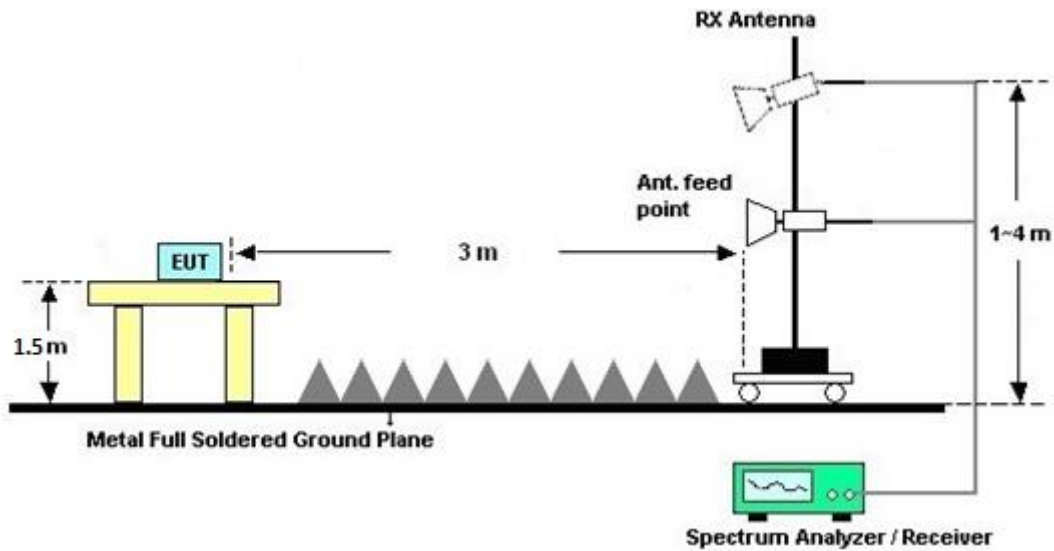
For radiated emissions below 30MHz



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 (dB μ V)	
	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.

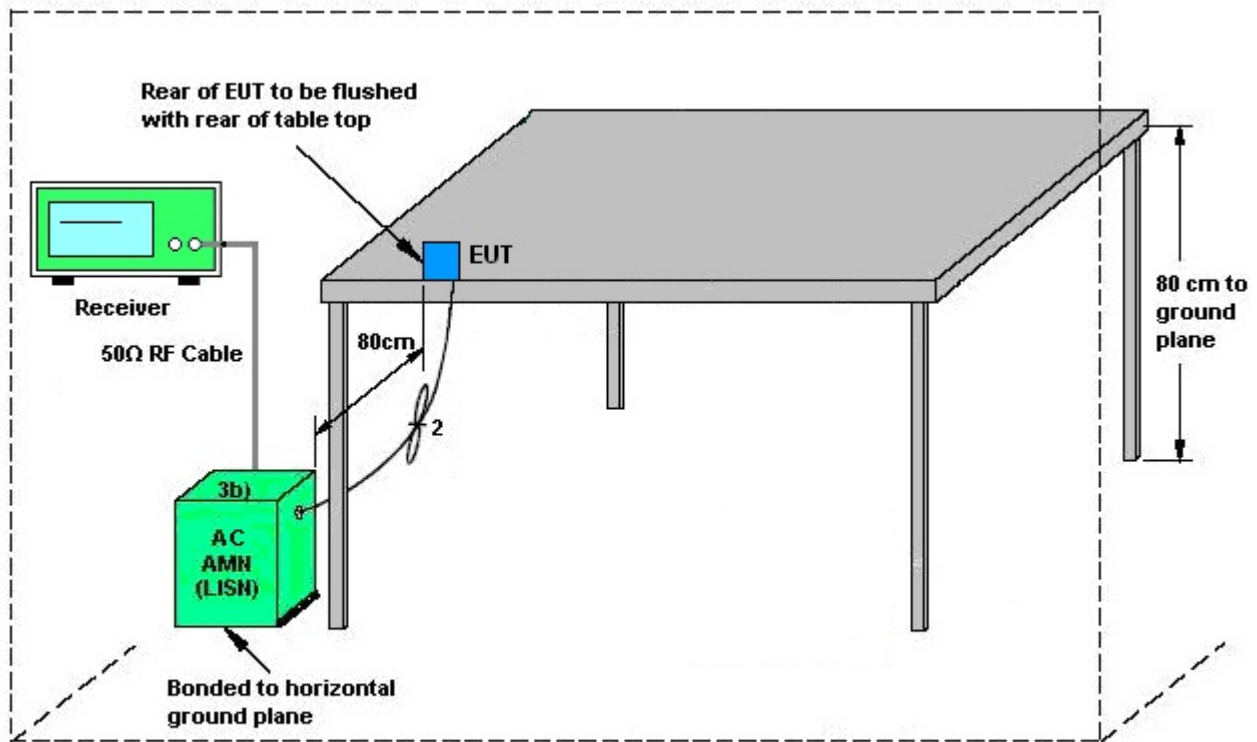
3.5.2 Measuring Instruments

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.

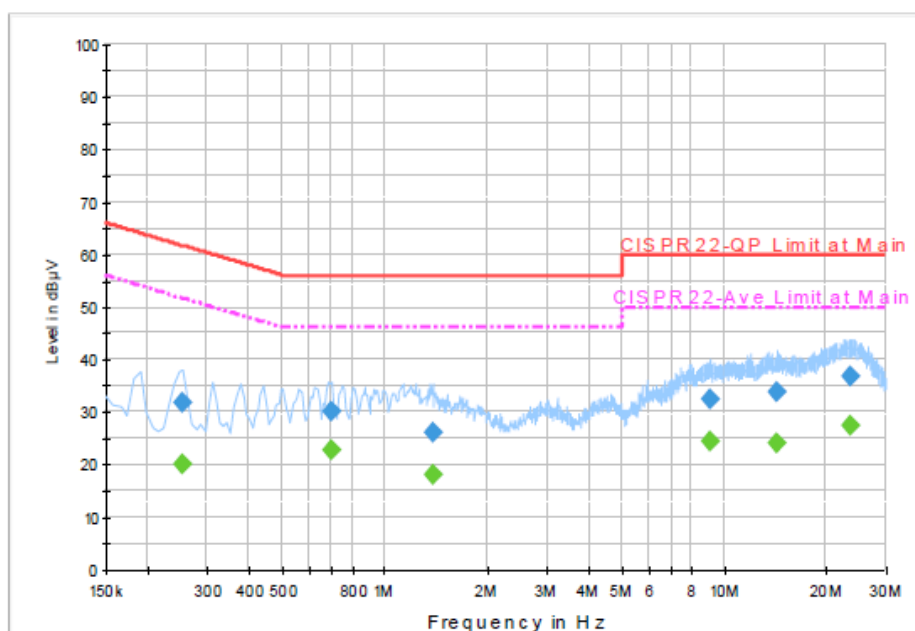
3.5.4 Test Setup



AMN = Artificial mains network (LISH)
 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°C
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

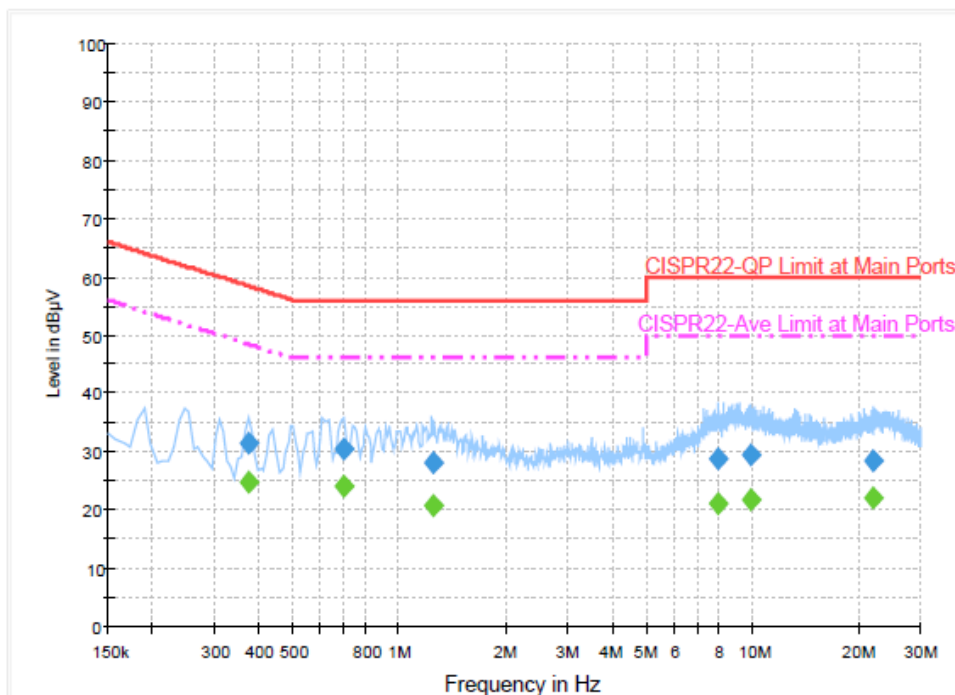
Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.254000	31.9	Off	L1	19.4	29.7	61.6
0.694000	30.2	Off	L1	19.6	25.8	56.0
1.382000	26.1	Off	L1	19.6	29.9	56.0
9.070000	32.6	Off	L1	19.9	27.4	60.0
14.406000	33.8	Off	L1	20.0	26.2	60.0
23.598000	36.9	Off	L1	20.0	23.1	60.0

Final Result : Average

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.254000	19.9	Off	L1	19.4	31.7	51.6
0.694000	22.9	Off	L1	19.6	23.1	46.0
1.382000	18.1	Off	L1	19.6	27.9	46.0
9.070000	24.3	Off	L1	19.9	25.7	50.0
14.406000	24.1	Off	L1	20.0	25.9	50.0
23.598000	27.5	Off	L1	20.0	22.5	50.0



Test Mode :	Mode 1	Temperature :	23~25°C
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)
0.374000	31.4	Off	N	19.5	27.0	58.4
0.694000	30.4	Off	N	19.6	25.6	56.0
1.254000	28.1	Off	N	19.6	27.9	56.0
8.022000	28.6	Off	N	19.8	31.4	60.0
9.934000	29.5	Off	N	19.9	30.5	60.0
21.966000	28.4	Off	N	20.1	31.6	60.0

Final Result : Average

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.374000	24.7	Off	N	19.5	23.7	48.4
0.694000	24.1	Off	N	19.6	21.9	46.0
1.254000	20.9	Off	N	19.6	25.1	46.0
8.022000	21.1	Off	N	19.8	28.9	50.0
9.934000	21.6	Off	N	19.9	28.4	50.0
21.966000	22.2	Off	N	20.1	27.8	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.

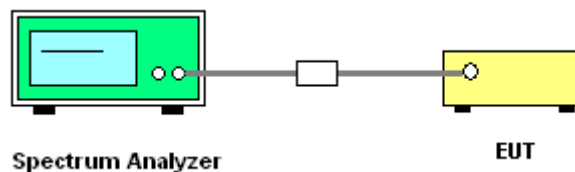
3.6.2 Measuring Instruments

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

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

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 k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th 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.



			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant 1 (dBi)	Ant 2 (dBi)				
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. 20, 2015 ~ Jul. 30, 2015	Oct. 17, 2015	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz	Oct. 18, 2014	Jul. 20, 2015 ~ Jul. 30, 2015	Oct. 17, 2015	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Oct. 17, 2014	Jul. 20, 2015 ~ Jul. 30, 2015	Oct. 16, 2015	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃~95℃	Jun. 15, 2015	Jul. 20, 2015 ~ Jul. 30, 2015	Jun. 14, 2016	Conducted (TH05-HY)
Hygrometer	Testo	608-H1	34897199	N/A	May 04, 2015	Jul. 20, 2015 ~ Jul. 30, 2015	May 03, 2016	Conducted (TH05-HY)
RF Cable	HARBOUR INDUSTRIES	LL142	Infinet CA3601-3601-DLL	0.1MHz~40GHz	Mar. 06, 2015	Jul. 20, 2015 ~ Jul. 30, 2015	Mar. 05, 2016	Conducted (TH05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 03, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 02, 2015	Radiation (03CH10-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	Feb. 02, 2015	Aug. 07, 2015 ~ Aug. 12, 2015	Feb. 01, 2016	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	9kHz~1GHz	Dec. 04, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Dec. 03, 2015	Radiation (03CH10-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Nov. 24, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 23, 2015	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D	35413	30MHz~1GHz	Oct. 24, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Oct. 23, 2015	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A	MY54130085	20Hz ~ 8.4GHz	Nov. 05, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 04, 2015	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Oct. 03, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Oct. 02, 2015	Radiation (03CH10-HY)
Hygrometer	TECPEL	DTM-303B	TP140320	N/A	Nov. 17, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 16, 2015	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Nov. 20, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 19, 2015	Radiation (03CH10-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1902246	1GHz~18GHz	Nov. 25, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 24, 2015	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Oct. 14, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Oct. 13, 2015	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY249564 MY249524 MY283184	25GHz~40GHz	Nov. 06, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 05, 2015	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY249564 MY249524 MY283184	30MHz~1GHz	Nov. 06, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 05, 2015	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY249564 MY249524 MY283184	1GHz~25GHz	Nov. 06, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Nov. 05, 2015	Radiation (03CH10-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. 12, 2015	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 07, 2015 ~ Aug. 12, 2015	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0-360 degree	N/A	Aug. 07, 2015 ~ Aug. 12, 2015	N/A	Radiation (03CH10-HY)
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Aug. 07, 2015 ~ Aug. 12, 2015	Jun. 01, 2016	Radiation (03CH10-HY)
Filter	Wainwright	WLKS4500-8SS	SN19	4.5G Low Pass	Oct. 01, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Sep. 30, 2015	Radiation (03CH10-HY)
Filter	Microwave Circuits	H07G18G3	SN8009-01	7GHz HPF	Oct. 01, 2014	Aug. 07, 2015 ~ Aug. 12, 2015	Sep. 30, 2015	Radiation (03CH10-HY)
Test Software	Audix	E3	6.2009-8-24	N/A	N/A	Aug. 07, 2015 ~ Aug. 12, 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
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
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Appendix A. Conducted Test Results

Report Number : FR571610F

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2015/07/20 ~ 2015/07/30	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	18.00	18.00	23.05	22.85	-	-	22.55	-	
11a	6Mbps	2	44	5220	18.20	18.05	23.00	22.75	-	-	22.56	-	
11a	6Mbps	2	48	5240	17.25	17.20	20.60	20.40	-	-	22.36	-	
HT20	MCS8	2	36	5180	18.90	18.80	23.05	23.10	-	-	22.74	-	
HT20	MCS8	2	44	5220	18.95	18.95	23.45	23.10	-	-	22.78	-	
HT20	MCS8	2	48	5240	18.00	18.00	20.85	20.90	-	-	22.55	-	
HT40	MCS8	2	38	5190	36.80	36.70	41.58	41.49	-	-	23.01	-	
HT40	MCS8	2	46	5230	36.80	36.60	41.40	41.40	-	-	23.01	-	
VHT20	MCS0	2	36	5180	19.10	18.95	23.25	23.15	-	-	22.78	-	
VHT20	MCS0	2	44	5220	18.90	18.85	23.35	23.00	-	-	22.75	-	
VHT20	MCS0	2	48	5240	18.05	18.05	20.95	20.85	-	-	22.56	-	
VHT40	MCS0	2	38	5190	36.60	36.70	41.76	41.31	-	-	23.01	-	
VHT40	MCS0	2	46	5230	36.70	36.70	41.49	41.40	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.08	76.08	82.72	81.92	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	N _{TX}	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	0.08	9.58	9.58		24.00	24.00	-3.80	-0.40	Pass
11a	6Mbps	1	44	5220	0.08	0.08	9.36	9.46		24.00	24.00	-3.80	-0.40	Pass
11a	6Mbps	1	48	5240	0.08	0.08	9.37	9.32		24.00	24.00	-3.80	-0.40	Pass
HT20	MCS0	1	36	5180	0.06	0.09	9.45	9.46		24.00	24.00	-3.80	-0.40	Pass
HT20	MCS0	1	44	5220	0.06	0.09	9.32	9.25		24.00	24.00	-3.80	-0.40	Pass
HT20	MCS0	1	48	5240	0.06	0.09	9.22	9.23		24.00	24.00	-3.80	-0.40	Pass
HT40	MCS0	1	38	5190	0.18	0.21	9.79	9.38		24.00	24.00	-3.80	-0.40	Pass
HT40	MCS0	1	46	5230	0.18	0.21	9.54	9.52		24.00	24.00	-3.80	-0.40	Pass
VHT20	MCS0	1	36	5180	0.06	0.09	9.68	9.50		24.00	24.00	-3.80	-0.40	Pass
VHT20	MCS0	1	44	5220	0.06	0.09	9.22	9.45		24.00	24.00	-3.80	-0.40	Pass
VHT20	MCS0	1	48	5240	0.06	0.09	9.26	9.52		24.00	24.00	-3.80	-0.40	Pass
VHT40	MCS0	1	38	5190	0.21	0.21	9.79	9.75		24.00	24.00	-3.80	-0.40	Pass
VHT40	MCS0	1	46	5230	0.21	0.21	9.67	9.54		24.00	24.00	-3.80	-0.40	Pass
VHT80	MCS0	1	42	5210	91.89	90.67	9.64	9.74		24.00	24.00	-3.80	-0.40	Pass
11a	6Mbps	2	36	5180	0.00	0.00	9.59	9.58	12.59	24.00		1.08		Pass
11a	6Mbps	2	44	5220	0.00	0.00	9.36	9.58	12.48	24.00		1.08		Pass
11a	6Mbps	2	48	5240	0.00	0.00	9.33	9.58	12.38	24.00		1.08		Pass
HT20	MCS8	2	36	5180	0.06	0.06	9.32	9.60	12.47	24.00		1.08		Pass
HT20	MCS8	2	44	5220	0.06	0.06	9.19	9.60	12.34	24.00		1.08		Pass
HT20	MCS8	2	48	5240	0.06	0.06	9.37	9.60	12.45	24.00		1.08		Pass
HT40	MCS8	2	38	5190	0.12	0.12	9.74	9.99	12.88	24.00		1.08		Pass
HT40	MCS8	2	46	5230	0.12	0.12	9.74	9.99	12.59	24.00		1.08		Pass
VHT20	MCS0	2	36	5180	0.06	0.06	9.72	9.66	12.70	24.00		1.08		Pass
VHT20	MCS0	2	44	5220	0.06	0.06	9.36	9.57	12.47	24.00		1.08		Pass
VHT20	MCS0	2	48	5240	0.06	0.06	9.51	9.61	12.57	24.00		1.08		Pass
VHT40	MCS0	2	38	5190	0.12	0.12	9.94	9.76	12.92	24.00		1.08		Pass
VHT40	MCS0	2	46	5230	0.12	0.12	9.74	9.51	12.69	24.00		1.08		Pass
VHT80	MCS0	2	42	5210	0.23	0.23	9.69	9.80	12.75	24.00		1.08		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			0.52	11.00		1.08		Pass
11a	6Mbps	2	44	5220	0.00	0.00			0.56	11.00		1.08		Pass
11a	6Mbps	2	48	5240	0.00	0.00			0.53	11.00		1.08		Pass
HT20	MCS8	2	36	5180	0.06	0.06			0.12	11.00		1.08		Pass
HT20	MCS8	2	44	5220	0.06	0.06			0.15	11.00		1.08		Pass
HT20	MCS8	2	48	5240	0.06	0.06			0.43	11.00		1.08		Pass
HT40	MCS8	2	38	5190	0.12	0.12			-2.54	11.00		1.08		Pass
HT40	MCS8	2	46	5230	0.12	0.12			-2.59	11.00		1.08		Pass
VHT20	MCS0	2	36	5180	0.06	0.06			0.24	11.00		1.08		Pass
VHT20	MCS0	2	44	5220	0.06	0.06			0.16	11.00		1.08		Pass
VHT20	MCS0	2	48	5240	0.06	0.06			0.44	11.00		1.08		Pass
VHT40	MCS0	2	38	5190	0.12	0.12			-2.48	11.00		1.08		Pass
VHT40	MCS0	2	46	5230	0.12	0.12			-2.68	11.00		1.08		Pass
VHT80	MCS0	2	42	5210	0.23	0.23			-5.61	11.00		1.08		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	17.20	17.25	20.65	20.50	23.36		29.36		23.98		
11a	6Mbps	2	60	5300	18.15	18.25	23.10	22.70	23.59		29.59		23.98		
11a	6Mbps	2	64	5320	18.20	18.15	23.15	22.80	23.59		29.59		23.98		
HT20	MCS8	2	52	5260	18.00	18.00	20.60	20.90	23.55		29.55		23.98		
HT20	MCS8	2	60	5300	19.05	18.85	23.50	23.15	23.75		29.75		23.98		
HT20	MCS8	2	64	5320	19.00	18.95	23.50	23.25	23.78		29.78		23.98		
HT40	MCS8	2	54	5270	36.80	36.80	41.49	41.31	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.60	36.70	41.49	41.40	23.98		30.00		23.98		
VHT20	MCS0	2	52	5260	18.05	18.05	20.85	20.80	23.56		29.56		23.98		
VHT20	MCS0	2	60	5300	19.10	18.90	23.40	23.15	23.76		29.76		23.98		
VHT20	MCS0	2	64	5320	19.10	18.95	23.35	23.25	23.78		29.78		23.98		
VHT40	MCS0	2	54	5270	36.70	36.70	41.31	41.40	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.70	36.70	41.67	41.40	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.96	75.96	82.08	82.08	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II														
Mod.	Data Rate	N _{TX}	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	0.08	9.64	9.26		23.98	23.98	-3.80	-0.40	Pass
11a	6Mbps	1	60	5300	0.08	0.08	9.60	9.36		23.98	23.98	-3.80	-0.40	Pass
11a	6Mbps	1	64	5320	0.08	0.08	9.58	9.60		23.98	23.98	-3.80	-0.40	Pass
HT20	MCS0	1	52	5260	0.06	0.09	9.46	9.50		23.98	23.98	-3.80	-0.40	Pass
HT20	MCS0	1	60	5300	0.06	0.09	9.43	9.27		23.98	23.98	-3.80	-0.40	Pass
HT20	MCS0	1	64	5320	0.06	0.09	9.64	9.47		23.98	23.98	-3.80	-0.40	Pass
HT40	MCS0	1	54	5270	0.18	0.21	9.77	9.77		23.98	23.98	-3.80	-0.40	Pass
HT40	MCS0	1	62	5310	0.18	0.21	9.64	9.39		23.98	23.98	-3.80	-0.40	Pass
VHT20	MCS0	1	52	5260	0.06	0.09	9.77	9.48		23.98	23.98	-3.80	-0.40	Pass
VHT20	MCS0	1	60	5300	0.06	0.09	9.42	9.45		23.98	23.98	-3.80	-0.40	Pass
VHT20	MCS0	1	64	5320	0.06	0.09	9.54	9.35		23.98	23.98	-3.80	-0.40	Pass
VHT40	MCS0	1	54	5270	0.21	0.21	9.72	9.50		23.98	23.98	-3.80	-0.40	Pass
VHT40	MCS0	1	62	5310	0.21	0.21	9.65	9.58		23.98	23.98	-3.80	-0.40	Pass
VHT80	MCS0	1	58	5290	91.89	90.67	9.98	9.90		23.98	23.98	-3.80	-0.40	Pass
11a	6Mbps	2	52	5260	0.00	0.00	9.68	9.58	12.66	23.98		1.08		Pass
11a	6Mbps	2	60	5300	0.00	0.00	9.61	9.58	12.61	23.98		1.08		Pass
11a	6Mbps	2	64	5320	0.00	0.00	9.47	9.58	12.62	23.98		1.08		Pass
HT20	MCS8	2	52	5260	0.06	0.06	9.63	9.60	12.60	23.98		1.08		Pass
HT20	MCS8	2	60	5300	0.06	0.06	9.56	9.60	12.44	23.98		1.08		Pass
HT20	MCS8	2	64	5320	0.06	0.06	9.58	9.60	12.65	23.98		1.08		Pass
HT40	MCS8	2	54	5270	0.12	0.12	9.74	9.99	12.78	23.98		1.08		Pass
HT40	MCS8	2	62	5310	0.12	0.12	9.74	9.99	12.66	23.98		1.08		Pass
VHT20	MCS0	2	52	5260	0.06	0.06	9.84	9.79	12.82	23.98		1.08		Pass
VHT20	MCS0	2	60	5300	0.06	0.06	9.57	9.38	12.48	23.98		1.08		Pass
VHT20	MCS0	2	64	5320	0.06	0.06	9.82	9.57	12.71	23.98		1.08		Pass
VHT40	MCS0	2	54	5270	0.12	0.12	9.92	9.76	12.85	23.98		1.08		Pass
VHT40	MCS0	2	62	5310	0.12	0.12	9.81	9.51	12.67	23.98		1.08		Pass
VHT80	MCS0	2	58	5290	0.23	0.23	9.98	9.98	12.99	23.98		1.08		Pass

TEST RESULTS DATA
Power Spectral Density

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	0.00	0.00			0.93	11.00		1.08		Pass
11a	6Mbps	2	60	5300	0.00	0.00			0.80	11.00		1.08		Pass
11a	6Mbps	2	64	5320	0.00	0.00			0.80	11.00		1.08		Pass
HT20	MCS8	2	52	5260	0.06	0.06			0.63	11.00		1.08		Pass
HT20	MCS8	2	60	5300	0.06	0.06			0.34	11.00		1.08		Pass
HT20	MCS8	2	64	5320	0.06	0.06			0.55	11.00		1.08		Pass
HT40	MCS8	2	54	5270	0.12	0.12			-2.28	11.00		1.08		Pass
HT40	MCS8	2	62	5310	0.12	0.12			-2.55	11.00		1.08		Pass
VHT20	MCS0	2	52	5260	0.06	0.06			0.79	11.00		1.08		Pass
VHT20	MCS0	2	60	5300	0.06	0.06			0.34	11.00		1.08		Pass
VHT20	MCS0	2	64	5320	0.06	0.06			0.47	11.00		1.08		Pass
VHT40	MCS0	2	54	5270	0.12	0.12			-2.16	11.00		1.08		Pass
VHT40	MCS0	2	62	5310	0.12	0.12			-2.52	11.00		1.08		Pass
VHT80	MCS0	2	58	5290	0.23	0.23			-5.08	11.00		1.08		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	18.25	18.10	23.10	22.85	23.58		29.58		23.98		
11a	6Mbps	2	116	5580	17.25	17.25	20.75	20.55	23.37		29.37		23.98		
11a	6Mbps	2	140	5700	18.20	18.10	23.10	22.75	23.58		29.58		23.98		
HT20	MCS8	2	100	5500	19.20	18.85	23.45	23.20	23.75		29.75		23.98		
HT20	MCS8	2	116	5580	18.05	18.00	20.95	21.00	23.55		29.55		23.98		
HT20	MCS8	2	140	5700	18.90	19.05	23.40	23.00	23.76		29.76		23.98		
HT40	MCS8	2	102	5510	36.80	36.70	41.85	41.40	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	36.80	36.80	41.58	41.13	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.90	36.80	41.49	41.40	23.98		30.00		23.98		
VHT20	MCS0	2	100	5500	19.10	19.00	23.35	23.10	23.79		29.79		23.98		
VHT20	MCS0	2	116	5580	18.00	18.00	20.90	20.85	23.55		29.55		23.98		
VHT20	MCS0	2	140	5700	19.05	18.85	23.20	23.25	23.75		29.75		23.98		
VHT40	MCS0	2	102	5510	36.70	36.70	41.58	41.40	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	36.70	36.60	41.58	41.13	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	75.84	75.84	82.40	82.40	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	75.84	75.96	82.56	81.92	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		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	0.08	9.86	9.39		23.98	23.98	-4.30	-0.90	Pass
11a	6Mbps	1	116	5580	0.08	0.08	9.50	9.31		23.98	23.98	-4.30	-0.90	Pass
11a	6Mbps	1	140	5700	0.08	0.08	9.32	9.36		23.98	23.98	-4.30	-0.90	Pass
HT20	MCS0	1	100	5500	0.06	0.09	9.84	9.53		23.98	23.98	-4.30	-0.90	Pass
HT20	MCS0	1	116	5580	0.06	0.09	9.63	9.29		23.98	23.98	-4.30	-0.90	Pass
HT20	MCS0	1	140	5700	0.06	0.09	9.38	9.41		23.98	23.98	-4.30	-0.90	Pass
HT40	MCS0	1	102	5510	0.18	0.21	9.90	9.64		23.98	23.98	-4.30	-0.90	Pass
HT40	MCS0	1	110	5550	0.18	0.21	9.69	9.66		23.98	23.98	-4.30	-0.90	Pass
HT40	MCS0	1	134	5670	0.18	0.21	9.53	9.51		23.98	23.98	-4.30	-0.90	Pass
VHT20	MCS0	1	100	5500	0.06	0.09	9.67	9.50		23.98	23.98	-4.30	-0.90	Pass
VHT20	MCS0	1	116	5580	0.06	0.09	9.51	9.27		23.98	23.98	-4.30	-0.90	Pass
VHT20	MCS0	1	140	5700	0.06	0.09	9.13	9.26		23.98	23.98	-4.30	-0.90	Pass
VHT40	MCS0	1	102	5510	0.21	0.21	9.88	9.62		23.98	23.98	-4.30	-0.90	Pass
VHT40	MCS0	1	110	5550	0.21	0.21	9.84	9.53		23.98	23.98	-4.30	-0.90	Pass
VHT40	MCS0	1	134	5670	0.21	0.21	9.52	9.64		23.98	23.98	-4.30	-0.90	Pass
VHT80	MCS0	1	106	5530	0.37	0.43	9.99	9.81		23.98	23.98	-4.30	-0.90	Pass
VHT80	MCS0	1	122	5610	0.37	0.43	9.73	9.82		23.98	23.98	-4.30	-0.90	Pass
11a	6Mbps	2	100	5500	0.00	0.00	9.87	9.58	12.87	23.98		0.58		Pass
11a	6Mbps	2	116	5580	0.00	0.00	9.57	9.58	12.52	23.98		0.58		Pass
11a	6Mbps	2	140	5700	0.00	0.00	9.34	9.58	12.37	23.98		0.58		Pass
HT20	MCS8	2	100	5500	0.06	0.06	9.95	9.60	12.85	23.98		0.58		Pass
HT20	MCS8	2	116	5580	0.06	0.06	9.77	9.60	12.64	23.98		0.58		Pass
HT20	MCS8	2	140	5700	0.06	0.06	9.46	9.60	12.42	23.98		0.58		Pass
HT40	MCS8	2	102	5510	0.12	0.12	9.74	9.99	12.91	23.98		0.58		Pass
HT40	MCS8	2	110	5550	0.12	0.12	9.74	9.99	12.75	23.98		0.58		Pass
HT40	MCS8	2	134	5670	0.12	0.12	9.74	9.99	12.55	23.98		0.58		Pass
VHT20	MCS0	2	100	5500	0.06	0.06	9.88	9.47	12.69	23.98		0.58		Pass
VHT20	MCS0	2	116	5580	0.06	0.06	9.69	9.32	12.52	23.98		0.58		Pass
VHT20	MCS0	2	140	5700	0.06	0.06	9.36	9.18	12.28	23.98		0.58		Pass
VHT40	MCS0	2	102	5510	0.12	0.12	9.99	9.78	12.90	23.98		0.58		Pass
VHT40	MCS0	2	110	5550	0.12	0.12	9.96	9.72	12.85	23.98		0.58		Pass
VHT40	MCS0	2	134	5670	0.12	0.12	9.74	9.57	12.67	23.98		0.58		Pass
VHT80	MCS0	2	106	5530	0.23	0.23	9.99	9.99	13.00	23.98		0.58		Pass
VHT80	MCS0	2	122	5610	0.23	0.23	9.96	9.66	12.82	23.98		0.58		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			1.77	11.00		0.58		Pass
11a	6Mbps	2	116	5580	0.00	0.00			1.98	11.00		0.58		Pass
11a	6Mbps	2	140	5700	0.00	0.00			0.11	11.00		0.58		Pass
HT20	MCS8	2	100	5500	0.06	0.06			1.53	11.00		0.58		Pass
HT20	MCS8	2	116	5580	0.06	0.06			1.85	11.00		0.58		Pass
HT20	MCS8	2	140	5700	0.06	0.06			-0.20	11.00		0.58		Pass
HT40	MCS8	2	102	5510	0.12	0.12			-1.34	11.00		0.58		Pass
HT40	MCS8	2	110	5550	0.12	0.12			-1.22	11.00		0.58		Pass
HT40	MCS8	2	134	5670	0.12	0.12			-2.48	11.00		0.58		Pass
VHT20	MCS0	2	100	5500	0.06	0.06			1.46	11.00		0.58		Pass
VHT20	MCS0	2	116	5580	0.06	0.06			1.74	11.00		0.58		Pass
VHT20	MCS0	2	140	5700	0.06	0.06			-0.20	11.00		0.58		Pass
VHT40	MCS0	2	102	5510	0.12	0.12			-1.18	11.00		0.58		Pass
VHT40	MCS0	2	110	5550	0.12	0.12			-1.21	11.00		0.58		Pass
VHT40	MCS0	2	134	5670	0.12	0.12			-2.57	11.00		0.58		Pass
VHT80	MCS0	2	106	5530	0.23	0.23			-4.13	11.00		0.58		Pass
VHT80	MCS0	2	122	5610	0.23	0.23			-4.44	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	18.40	18.30	23.10	22.80	-		-		-		
				NII-2C	14.2	14.2	16.6	16.35	22.52		28.52		23.14		
				NII-3	4.2	4.1	6.5	6.45	30.00		36.00		30.00		
HT20	MCS0	2	144	5720	19.20	19.00	23.35	23.10	-		-		-		
				NII-2C	14.7	14.6	16.7	16.65	22.64		28.64		23.21		
				NII-3	4.5	4.4	6.65	6.45	30.00		36.00		30.00		
HT40	MCS0	2	142	5710	36.70	36.80	41.67	41.40	-		-		-		
				NII-2C	33.4	33.5	35.79	35.79	23.98		30.00		23.98		
				NII-3	3.3	3.3	5.88	5.61	30.00		36.00		30.00		
VHT20	MCS0	2	144	5720	19.00	19.00	23.35	23.05	-		-		-		
				NII-2C	14.55	14.55	16.75	16.55	22.63		28.63		23.19		
				NII-3	4.45	4.45	6.6	6.5	30.00		36.00		30.00		
VHT40	MCS0	2	142	5710	36.70	36.60	41.49	41.40	-		-		-		
				NII-2C	33.4	33.4	35.79	35.79	23.98		30.00		23.98		
				NII-3	3.3	3.2	5.7	5.61	30.00		36.00		30.00		
VHT80	MCS0	2	138	5690	75.96	75.84	83.04	82.56	-		-		-		
				NII-2C	73.04	73.04	76.6	76.28	23.98		30.00		23.98		
				NII-3	2.92	2.8	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	0.08	9.50	9.53		-	-	-4.30	-0.90	-
				NII-2C	0.08	0.08	8.57	8.62		23.19	23.20	-4.30	-0.90	Pass
				NII-3	0.08	0.08	2.33	2.30		30.00	30.00	-4.30	-0.90	Pass
HT20	MCS0	1	144	5720	0.06	0.09	9.52	9.50		-	-	-4.30	-0.90	-
				NII-2C	0.06	0.09	8.55	8.49		23.20	23.25	-4.30	-0.90	Pass
				NII-3	0.06	0.09	2.54	2.69		30.00	30.00	-4.30	-0.90	Pass
HT40	MCS0	1	142	5710	0.18	0.21	9.73	9.82		-	-	-4.30	-0.90	-
				NII-2C	0.18	0.21	9.37	9.46		23.98	23.98	-4.30	-0.90	Pass
				NII-3	0.18	0.21	-1.25	-1.12		30.00	30.00	-4.30	-0.90	Pass
VHT20	MCS0	1	144	5720	0.06	0.09	9.52	9.54		-	-	-4.30	-0.90	-
				NII-2C	0.06	0.09	8.51	8.53		23.23	23.23	-4.30	-0.90	Pass
				NII-3	0.06	0.09	2.67	2.70		30.00	30.00	-4.30	-0.90	Pass
VHT40	MCS0	1	142	5710	0.21	0.21	9.63	9.75		-	-	-4.30	-0.90	-
				NII-2C	0.21	0.21	9.27	9.39		23.98	23.98	-4.30	-0.90	Pass
				NII-3	0.21	0.21	-1.37	-1.26		30.00	30.00	-4.30	-0.90	Pass
VHT80	MCS0	1	138	5690	0.37	0.43	9.59	9.64		-	-	-4.30	-0.90	-
				NII-2C	0.37	0.43	9.45	9.51		23.98	23.98	-4.30	-0.90	Pass
				NII-3	0.37	0.43	-5.42	-5.68		30.00	30.00	-4.30	-0.90	Pass
11a	6Mbps	2	144	5720	0.00	0.00	9.61	9.49	12.56	-	-	0.58	0.58	-
				NII-2C	0.00	0.00	8.68	8.55	11.63	23.14	23.14	0.58	0.58	Pass
				NII-3	0.00	0.00	2.44	2.38	5.42	30.00	30.00	0.58	0.58	Pass
HT20	MCS0	2	144	5720	0.06	0.06	9.56	9.81	12.70	-	-	0.58	0.58	-
				NII-2C	0.06	0.06	8.56	8.88	11.73	23.21	23.21	0.58	0.58	Pass
				NII-3	0.06	0.06	2.70	2.67	5.70	30.00	30.00	0.58	0.58	Pass
HT40	MCS0	2	142	5710	0.12	0.12	9.60	9.87	12.75	-	-	0.58	0.58	-
				NII-2C	0.12	0.12	9.24	9.52	12.39	23.98	23.98	0.58	0.58	Pass
				NII-3	0.12	0.12	-1.38	-1.26	1.69	30.00	30.00	0.58	0.58	Pass
VHT20	MCS0	2	144	5720	0.06	0.06	9.65	9.92	12.80	-	-	0.58	0.58	-
				NII-2C	0.06	0.06	8.61	8.90	11.77	23.19	23.19	0.58	0.58	Pass
				NII-3	0.06	0.06	2.93	3.12	6.04	30.00	30.00	0.58	0.58	Pass
VHT40	MCS0	2	142	5710	0.12	0.12	9.66	9.84	12.76	-	-	0.58	0.58	-
				NII-2C	0.12	0.12	9.29	9.46	12.39	23.98	23.98	0.58	0.58	Pass
				NII-3	0.12	0.12	-1.18	-0.95	1.95	30.00	30.00	0.58	0.58	Pass
VHT80	MCS0	2	138	5690	0.23	0.23	9.70	9.82	12.77	-	-	0.58	0.58	-
				NII-2C	0.23	0.23	9.57	9.69	12.64	23.98	23.98	0.58	0.58	Pass
				NII-3	0.23	0.23	-5.48	-5.51	-2.48	30.00	30.00	0.58	0.58	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			0.17	11.00	0.58			Pass	
				NII-3	0.00	0.00			0.17	30.00	0.58			Pass	
HT20	MCS0	2	144	NII-2C	0.06	0.06			-0.29	11.00	0.58			Pass	
				NII-3	0.06	0.06			-0.29	30.00	0.58			Pass	
HT40	MCS0	2	142	NII-2C	0.12	0.12			-3.20	11.00	0.58			Pass	
				NII-3	0.12	0.12			-3.20	30.00	0.58			Pass	
VHT20	MCS0	2	144	NII-2C	0.06	0.06			-0.12	11.00	0.58			Pass	
				NII-3	0.06	0.06			-0.12	30.00	0.58			Pass	
VHT40	MCS0	2	142	NII-2C	0.12	0.12			-3.02	11.00	0.58			Pass	
				NII-3	0.12	0.12			-3.02	30.00	0.58			Pass	
VHT80	MCS0	2	138	NII-2C	0.23	0.23			-5.91	11.00	0.58			Pass	
				NII-3	0.23	0.23			-5.91	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 Stability (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	5180.050	0.050	9.65	-10	3.8	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	55	3.8	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (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	5320.000	0.000	0.00	20	4.2	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-10	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	55	3.8	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.6	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	4.2	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.8	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-10	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	55	3.8	



Appendix B. Radiated Spurious Emission

Test Engineer :	Elvis Chen and Stan Hsieh and Karl Hou	Temperature :	21~22°C
		Relative Humidity :	43~44%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5050.1	50.92	-23.08	74	43.64	31.86	7.99	32.57	100	34	P	H
		5148.05	41.38	-12.62	54	34.03	31.98	7.94	32.57	100	34	A	H
	*	5178	97.9	-	-	90.54	32.02	7.91	32.57	100	34	P	H
	*	5178	91.42	-	-	84.06	32.02	7.91	32.57	100	34	A	H
													H
													H
		5140.25	51.53	-22.47	74	44.18	31.98	7.94	32.57	100	16	P	V
		5148.05	42.05	-11.95	54	34.7	31.98	7.94	32.57	100	16	A	V
	*	5178	103.04	-	-	95.68	32.02	7.91	32.57	100	16	P	V
	*	5178	95.93	-	-	88.57	32.02	7.91	32.57	100	16	A	V
													V
													V
802.11a CH 44 5220MHz		5048.45	50.52	-23.48	74	43.24	31.86	7.99	32.57	123	12	P	H
		5099	41.13	-12.87	54	33.82	31.92	7.96	32.57	123	12	A	H
	*	5222	97.9	-	-	90.4	32.06	8.01	32.57	123	12	P	H
	*	5222	91.68	-	-	84.18	32.06	8.01	32.57	123	12	A	H
		5358.91	49.52	-24.48	74	41.64	32.22	8.23	32.57	123	12	P	H
		5431.62	40.19	-13.81	54	32.15	32.32	8.29	32.57	123	12	A	H
		5100.65	51.23	-22.77	74	43.92	31.92	7.96	32.57	140	323	P	V
		5150	41.43	-12.57	54	34.08	31.98	7.94	32.57	140	323	A	V
	*	5218	103.5	-	-	96	32.06	8.01	32.57	140	323	P	V
	*	5218	96.72	-	-	89.22	32.06	8.01	32.57	140	323	A	V
		5367.71	50.2	-23.8	74	42.24	32.24	8.29	32.57	140	323	P	V
		5434.26	41	-13	54	32.96	32.32	8.29	32.57	140	323	A	V



802.11a CH 48 5240MHz		5114.3	51.13	-22.87	74	43.8	31.94	7.96	32.57	114	13	P	H
		5098.1	41.03	-12.97	54	33.72	31.92	7.96	32.57	114	13	A	H
	*	5238	96.59	-	-	89.07	32.08	8.01	32.57	114	13	P	H
	*	5238	90.75	-	-	83.23	32.08	8.01	32.57	114	13	A	H
		5375.19	49.19	-24.81	74	41.23	32.24	8.29	32.57	114	13	P	H
		5452.19	40.13	-13.87	54	32.07	32.34	8.29	32.57	114	13	A	H
		5079.65	51.76	-22.24	74	44.44	31.9	7.99	32.57	123	322	P	V
		5100.8	41.18	-12.82	54	33.87	31.92	7.96	32.57	123	322	A	V
	*	5242	102.75	-	-	95.1	32.1	8.12	32.57	123	322	P	V
	*	5242	96.03	-	-	88.38	32.1	8.12	32.57	123	322	A	V
		5454.83	50.55	-23.45	74	42.49	32.34	8.29	32.57	123	322	P	V
		5454.94	40.85	-13.15	54	32.79	32.34	8.29	32.57	123	322	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.1	-28.9	74	56.56	39.69	11.96	63.11	100	0	P	H
		15540	43.01	-30.99	74	50.4	38.04	14.76	60.19	100	0	P	H
													H
													H
		10360	46.29	-27.71	74	57.75	39.69	11.96	63.11	100	0	P	V
		15540	43.7	-30.3	74	51.09	38.04	14.76	60.19	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.09	-27.91	74	57.32	39.79	12.03	63.05	100	0	P	H
		15660	46.02	-27.98	74	53.55	37.85	14.79	60.17	100	0	P	H
													H
													H
		10440	46.8	-27.2	74	58.03	39.79	12.03	63.05	100	0	P	V
		15660	46.27	-27.73	74	53.8	37.85	14.79	60.17	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	45.74	-28.26	74	56.82	39.87	12.06	63.01	100	0	P	H
		15720	43.17	-30.83	74	50.78	37.74	14.81	60.16	100	0	P	H
													H
													H
		10480	47.1	-26.9	74	58.18	39.87	12.06	63.01	100	0	P	V
		15720	42.89	-31.11	74	50.5	37.74	14.81	60.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5096.6	50.55	-23.45	74	43.24	31.92	7.96	32.57	100	164	P	H
		5149.1	41.3	-12.7	54	33.95	31.98	7.94	32.57	100	164	A	H
	*	5178	94.44	-	-	87.08	32.02	7.91	32.57	100	164	P	H
	*	5178	87.43	-	-	80.07	32.02	7.91	32.57	100	164	A	H
													H
													H
		5133.65	51.01	-22.99	74	43.68	31.96	7.94	32.57	138	13	P	V
		5149.55	42.34	-11.66	54	34.99	31.98	7.94	32.57	138	13	A	V
	*	5182	101.43	-	-	94.07	32.02	7.91	32.57	138	13	P	V
	*	5182	93.51	-	-	86.15	32.02	7.91	32.57	138	13	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5091.95	50.73	-23.27	74	43.42	31.92	7.96	32.57	100	172	P	H
		5096	41.07	-12.93	54	33.76	31.92	7.96	32.57	100	172	A	H
	*	5218	95.18	-	-	87.68	32.06	8.01	32.57	100	172	P	H
	*	5218	88.18	-	-	80.68	32.06	8.01	32.57	100	172	A	H
		5435.8	49.21	-24.79	74	41.17	32.32	8.29	32.57	100	172	P	H
		5351.87	39.87	-14.13	54	31.99	32.22	8.23	32.57	100	172	A	H
		5084.9	50.76	-23.24	74	43.47	31.9	7.96	32.57	136	0	P	V
		5139.5	41.2	-12.8	54	33.85	31.98	7.94	32.57	136	0	A	V
	*	5218	101.76	-	-	94.26	32.06	8.01	32.57	136	0	P	V
	*	5218	94.05	-	-	86.55	32.06	8.01	32.57	136	0	A	V
		5439.76	50.11	-23.89	74	42.07	32.32	8.29	32.57	136	0	P	V
		5429.86	40.64	-13.36	54	32.6	32.32	8.29	32.57	136	0	A	V



802.11n HT20 CH 48 5240MHz		5060.6	51.23	-22.77	74	43.93	31.88	7.99	32.57	100	208	P	H
		5098.55	40.99	-13.01	54	33.68	31.92	7.96	32.57	100	208	A	H
	*	5238	96.08	-	-	88.56	32.08	8.01	32.57	100	208	P	H
	*	5238	88.64	-	-	81.12	32.08	8.01	32.57	100	208	A	H
		5352.75	49.33	-24.67	74	41.45	32.22	8.23	32.57	100	208	P	H
		5454.61	39.84	-14.16	54	31.78	32.34	8.29	32.57	100	208	A	H
		5005.1	50.92	-23.08	74	43.65	31.82	8.02	32.57	141	0	P	V
		5097.65	41.14	-12.86	54	33.83	31.92	7.96	32.57	141	0	A	V
	*	5238	102.86	-	-	95.34	32.08	8.01	32.57	141	0	P	V
	*	5238	94.62	-	-	87.1	32.08	8.01	32.57	141	0	A	V
		5400.38	49.58	-24.42	74	41.58	32.28	8.29	32.57	141	0	P	V
		5450.76	40.65	-13.35	54	32.59	32.34	8.29	32.57	141	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10359	46.05	-27.95	74	57.51	39.69	11.96	63.11	100	0	P	H
		15540	42.91	-31.09	74	50.3	38.04	14.76	60.19	100	0	P	H
													H
													H
		10359	45.93	-28.07	74	57.39	39.69	11.96	63.11	100	0	P	V
		15540	43.43	-30.57	74	50.82	38.04	14.76	60.19	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	47.36	-26.64	74	58.59	39.79	12.03	63.05	100	0	P	H
		15660	44.51	-29.49	74	52.04	37.85	14.79	60.17	100	0	P	H
													H
													H
		10440	46.29	-27.71	74	57.52	39.79	12.03	63.05	100	0	P	V
		15660	45.68	-28.32	74	53.21	37.85	14.79	60.17	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10479	46.58	-27.42	74	57.66	39.87	12.06	63.01	100	0	P	H
		15720	43	-31	74	50.61	37.74	14.81	60.16	100	0	P	H
													H
													H
		10479	46.52	-27.48	74	57.6	39.87	12.06	63.01	100	0	P	V
		15720	42.71	-31.29	74	50.32	37.74	14.81	60.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5147.6	52.94	-21.06	74	45.59	31.98	7.94	32.57	100	34	P	H
		5150	44.94	-9.06	54	37.59	31.98	7.94	32.57	100	34	A	H
	*	5192	92.65	-	-	85.27	32.04	7.91	32.57	100	34	P	H
	*	5192	84.96	-	-	77.58	32.04	7.91	32.57	100	34	A	H
		5396.64	50.44	-23.56	74	42.44	32.28	8.29	32.57	100	34	P	H
		5404.67	41.06	-12.94	54	33.06	32.28	8.29	32.57	100	34	A	H
		5148.35	59.51	-14.49	74	52.16	31.98	7.94	32.57	143	360	P	V
		5148.2	50.32	-3.68	54	42.97	31.98	7.94	32.57	143	360	A	V
	*	5192	100.01	-	-	92.63	32.04	7.91	32.57	143	360	P	V
	*	5192	92.23	-	-	84.85	32.04	7.91	32.57	143	360	A	V
		5447.02	51.12	-22.88	74	43.06	32.34	8.29	32.57	143	360	P	V
		5386.85	41.23	-12.77	54	33.25	32.26	8.29	32.57	143	360	A	V
802.11n HT40 CH 46 5230MHz		5144	50.31	-23.69	74	42.96	31.98	7.94	32.57	100	204	P	H
		5085.05	42.09	-11.91	54	34.8	31.9	7.96	32.57	100	204	A	H
	*	5232	92.49	-	-	84.97	32.08	8.01	32.57	100	204	P	H
	*	5232	85.16	-	-	77.64	32.08	8.01	32.57	100	204	A	H
		5390.15	49.61	-24.39	74	41.63	32.26	8.29	32.57	100	204	P	H
		5411.93	40.87	-13.13	54	32.85	32.3	8.29	32.57	100	204	A	H
		5111.75	51.22	-22.78	74	43.89	31.94	7.96	32.57	183	0	P	V
		5150	42.17	-11.83	54	34.82	31.98	7.94	32.57	183	0	A	V
	*	5228	98.53	-	-	91.01	32.08	8.01	32.57	183	0	P	V
	*	5228	91.67	-	-	84.15	32.08	8.01	32.57	183	0	A	V
		5356.49	50.63	-23.37	74	42.75	32.22	8.23	32.57	183	0	P	V
		5380.25	41.13	-12.87	54	33.15	32.26	8.29	32.57	183	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	46.27	-27.73	74	57.69	39.71	11.96	63.09	100	0	P	H
		15570	44.13	-29.87	74	51.56	37.99	14.77	60.19	100	0	P	H
													H
													H
		10380	45.96	-28.04	74	57.38	39.71	11.96	63.09	100	0	P	V
		15570	43.4	-30.6	74	50.83	37.99	14.77	60.19	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	47.35	-26.65	74	58.54	39.82	12.03	63.04	100	0	P	H
		15690	44.27	-29.73	74	51.83	37.8	14.8	60.16	100	0	P	H
													H
													H
		10460	46.31	-27.69	74	57.5	39.82	12.03	63.04	100	0	P	V
		15690	44.71	-29.29	74	52.27	37.8	14.8	60.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5116.1	52.23	-21.77	74	44.9	31.94	7.96	32.57	100	223	P	H
		5147.15	44.4	-9.6	54	37.05	31.98	7.94	32.57	100	223	A	H
	*	5208	88.86	-	-	81.36	32.06	8.01	32.57	100	223	P	H
	*	5208	82.58	-	-	75.08	32.06	8.01	32.57	100	223	A	H
		5413.25	49.04	-24.96	74	41.02	32.3	8.29	32.57	100	223	P	H
		5444.93	40.97	-13.03	54	32.93	32.32	8.29	32.57	100	223	A	H
		5135	57.3	-16.7	74	49.97	31.96	7.94	32.57	151	359	P	V
		5148.05	49.33	-4.67	54	41.98	31.98	7.94	32.57	151	359	A	V
	*	5212	96.78	-	-	89.28	32.06	8.01	32.57	151	359	P	V
	*	5212	89.51	-	-	82.01	32.06	8.01	32.57	151	359	A	V
		5354.62	50.11	-23.89	74	42.23	32.22	8.23	32.57	151	359	P	V
		5353.3	41.69	-12.31	54	33.81	32.22	8.23	32.57	151	359	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	45.82	-28.18	74	57.12	39.77	12	63.07	100	0	P	H
		15630	45.16	-28.84	74	52.67	37.88	14.78	60.17	100	0	P	H
													H
													H
		10420	46.17	-27.83	74	57.47	39.77	12	63.07	100	0	P	V
		15630	43.84	-30.16	74	51.35	37.88	14.78	60.17	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	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		5105.3	50.93	-23.07	74	43.62	31.92	7.96	32.57	120	12	P	H
		5096.75	40.99	-13.01	54	33.68	31.92	7.96	32.57	120	12	A	H
	*	5262	97.45	-	-	89.78	32.12	8.12	32.57	120	12	P	H
	*	5262	91.69	-	-	84.02	32.12	8.12	32.57	120	12	A	H
		5351.76	49.49	-24.51	74	41.61	32.22	8.23	32.57	120	12	P	H
		5350.55	39.87	-14.13	54	31.99	32.22	8.23	32.57	120	12	A	H
		5045.9	51.33	-22.67	74	44.05	31.86	7.99	32.57	148	324	P	V
		5099.15	41.13	-12.87	54	33.82	31.92	7.96	32.57	148	324	A	V
	*	5258	102.75	-	-	95.1	32.1	8.12	32.57	148	324	P	V
	*	5258	96.43	-	-	88.78	32.1	8.12	32.57	148	324	A	V
		5459.23	50.52	-23.48	74	42.46	32.34	8.29	32.57	148	324	P	V
		5351.32	40.09	-13.91	54	32.21	32.22	8.23	32.57	148	324	A	V
802.11a CH 60 5300MHz		5050.1	51.55	-22.45	74	44.27	31.86	7.99	32.57	130	12	P	H
		5096.9	40.98	-13.02	54	33.67	31.92	7.96	32.57	130	12	A	H
	*	5299	97.54	-	-	89.77	32.16	8.18	32.57	130	12	P	H
	*	5299	91.17	-	-	83.4	32.16	8.18	32.57	130	12	A	H
		5412.26	49.57	-24.43	74	41.55	32.3	8.29	32.57	130	12	P	H
		5350.11	40.22	-13.78	54	32.34	32.22	8.23	32.57	130	12	A	H
		5112.65	51.46	-22.54	74	44.13	31.94	7.96	32.57	112	322	P	V
		5097.95	41.09	-12.91	54	33.78	31.92	7.96	32.57	112	322	A	V
	*	5302	102.69	-	-	94.92	32.16	8.18	32.57	112	322	P	V
	*	5302	95.65	-	-	87.88	32.16	8.18	32.57	112	322	A	V
		5350.33	51.97	-22.03	74	44.09	32.22	8.23	32.57	112	322	P	V
		5351.32	40.75	-13.25	54	32.87	32.22	8.23	32.57	112	322	A	V



802.11a CH 64 5320MHz	*	5322	96.88	-	-	89.04	32.18	8.23	32.57	129	13	P	H
	*	5322	91.42	-	-	83.58	32.18	8.23	32.57	129	13	A	H
		5359.9	49.77	-24.23	74	41.89	32.22	8.23	32.57	129	13	P	H
		5350.11	40.41	-13.59	54	32.53	32.22	8.23	32.57	129	13	A	H
													H
													H
	*	5318	102.86	-	-	95.07	32.18	8.18	32.57	135	332	P	V
	*	5318	96.54	-	-	88.75	32.18	8.18	32.57	135	332	A	V
		5350.44	51.83	-22.17	74	43.95	32.22	8.23	32.57	135	332	P	V
		5350.11	42.05	-11.95	54	34.17	32.22	8.23	32.57	135	332	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.08	-27.92	74	57.08	39.91	12.08	62.99	100	0	P	H
		15780	43.25	-30.75	74	50.91	37.66	14.82	60.14	100	0	P	H
													H
													H
		10520	46.31	-27.69	74	57.31	39.91	12.08	62.99	100	0	P	V
		15780	44.15	-29.85	74	51.81	37.66	14.82	60.14	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	45.76	-28.24	74	56.63	39.98	12.11	62.96	100	0	P	H
		15900	42.95	-31.05	74	50.75	37.47	14.85	60.12	100	0	P	H
													H
													H
		10600	46.25	-27.75	74	57.12	39.98	12.11	62.96	100	0	P	V
		15900	41.98	-32.02	74	49.78	37.47	14.85	60.12	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	45.67	-28.33	74	56.47	40.01	12.13	62.94	100	0	P	H
		15960	43.28	-30.72	74	51.16	37.36	14.87	60.11	100	0	P	H
													H
													H
		10640	44.93	-29.07	74	55.73	40.01	12.13	62.94	100	0	P	V
		15960	43.81	-30.19	74	51.69	37.36	14.87	60.11	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5111.6	51	-23	74	43.67	31.94	7.96	32.57	375	40	P	H
		5102.9	40.97	-13.03	54	33.66	31.92	7.96	32.57	375	40	A	H
	*	5261	96.33	-	-	88.66	32.12	8.12	32.57	375	40	P	H
	*	5261	88.35	-	-	80.68	32.12	8.12	32.57	375	40	A	H
		5430.19	49.12	-24.88	74	41.08	32.32	8.29	32.57	375	40	P	H
		5350.88	39.88	-14.12	54	32	32.22	8.23	32.57	375	40	A	H
		5108.15	51.23	-22.77	74	43.9	31.94	7.96	32.57	172	360	P	V
		5099.9	41.11	-12.89	54	33.8	31.92	7.96	32.57	172	360	A	V
	*	5258	102.94	-	-	95.29	32.1	8.12	32.57	172	360	P	V
	*	5258	95.54	-	-	87.89	32.1	8.12	32.57	172	360	A	V
		5426.78	50.28	-23.72	74	42.26	32.3	8.29	32.57	172	360	P	V
		5350	40.21	-13.79	54	32.33	32.22	8.23	32.57	172	360	A	V
802.11n HT20 CH 60 5300MHz		5118.65	50.96	-23.04	74	43.63	31.94	7.96	32.57	100	35	P	H
		5095.55	40.92	-13.08	54	33.61	31.92	7.96	32.57	100	35	A	H
	*	5302	95.22	-	-	87.45	32.16	8.18	32.57	100	35	P	H
	*	5302	87.81	-	-	80.04	32.16	8.18	32.57	100	35	A	H
		5447.79	50.96	-23.04	74	42.9	32.34	8.29	32.57	100	35	P	H
		5350.44	40.08	-13.92	54	32.2	32.22	8.23	32.57	100	35	A	H
		5070.05	51.09	-22.91	74	43.79	31.88	7.99	32.57	180	360	P	V
		5098.85	41.04	-12.96	54	33.73	31.92	7.96	32.57	180	360	A	V
	*	5298	101.99	-	-	94.22	32.16	8.18	32.57	180	360	P	V
	*	5298	94.65	-	-	86.88	32.16	8.18	32.57	180	360	A	V
		5394.22	50.35	-23.65	74	42.37	32.26	8.29	32.57	180	360	P	V
		5353.63	41.52	-12.48	54	33.64	32.22	8.23	32.57	180	360	A	V



802.11n HT20 CH 64 5320MHz	*	5318	97.29	-	-	89.5	32.18	8.18	32.57	104	212	P	H
	*	5318	88.89	-	-	81.1	32.18	8.18	32.57	104	212	A	H
		5351.1	49.94	-24.06	74	42.06	32.22	8.23	32.57	104	212	P	H
		5350	40.52	-13.48	54	32.64	32.22	8.23	32.57	104	212	A	H
													H
													H
	*	5318	102.11	-	-	94.32	32.18	8.18	32.57	132	360	P	V
	*	5318	94.66	-	-	86.87	32.18	8.18	32.57	132	360	A	V
		5357.26	50.58	-23.42	74	42.7	32.22	8.23	32.57	132	360	P	V
		5350	42.48	-11.52	54	34.6	32.22	8.23	32.57	132	360	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	46.33	-27.67	74	57.33	39.91	12.08	62.99	100	0	P	H
		15780	43.44	-30.56	74	51.1	37.66	14.82	60.14	100	0	P	H
													H
													H
		10520	47.6	-26.4	74	58.6	39.91	12.08	62.99	100	0	P	V
		15780	44.23	-29.77	74	51.89	37.66	14.82	60.14	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	46.09	-27.91	74	56.96	39.98	12.11	62.96	100	0	P	H
		15900	43.72	-30.28	74	51.52	37.47	14.85	60.12	100	0	P	H
													H
													H
		10600	46.54	-27.46	74	57.41	39.98	12.11	62.96	100	0	P	V
		15900	43.16	-30.84	74	50.96	37.47	14.85	60.12	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	46.38	-27.62	74	57.18	40.01	12.13	62.94	100	0	P	H
		15960	42.7	-31.3	74	50.58	37.36	14.87	60.11	100	0	P	H
													H
													H
		10640	46.13	-27.87	74	56.93	40.01	12.13	62.94	100	0	P	V
		15960	43.46	-30.54	74	51.34	37.36	14.87	60.11	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5087.45	50.49	-23.51	74	43.2	31.9	7.96	32.57	100	204	P	H
		5094.2	42.06	-11.94	54	34.75	31.92	7.96	32.57	100	204	A	H
	*	5272	93.66	-	-	85.99	32.12	8.12	32.57	100	204	P	H
	*	5272	86.39	-	-	78.72	32.12	8.12	32.57	100	204	A	H
		5350.88	51.24	-22.76	74	43.36	32.22	8.23	32.57	100	204	P	H
		5366.39	40.8	-13.2	54	32.84	32.24	8.29	32.57	100	204	A	H
		5082.2	51.2	-22.8	74	43.91	31.9	7.96	32.57	147	359	P	V
		5094.35	42.14	-11.86	54	34.83	31.92	7.96	32.57	147	359	A	V
	*	5272	101.29	-	-	93.62	32.12	8.12	32.57	147	359	P	V
	*	5272	93.25	-	-	85.58	32.12	8.12	32.57	147	359	A	V
		5457.36	49.66	-24.34	74	41.6	32.34	8.29	32.57	147	359	P	V
		5350.88	41.51	-12.49	54	33.63	32.22	8.23	32.57	147	359	A	V
802.11n HT40 CH 62 5310MHz		5013.35	51.12	-22.88	74	43.85	31.82	8.02	32.57	322	36	P	H
		5088.05	41.83	-12.17	54	34.54	31.9	7.96	32.57	322	36	A	H
	*	5308	92.41	-	-	84.64	32.16	8.18	32.57	322	36	P	H
	*	5308	85.73	-	-	77.96	32.16	8.18	32.57	322	36	A	H
		5353.85	51.05	-22.95	74	43.17	32.22	8.23	32.57	322	36	P	H
		5350.99	43.28	-10.72	54	35.4	32.22	8.23	32.57	322	36	A	H
		5048.6	50.68	-23.32	74	43.4	31.86	7.99	32.57	159	360	P	V
		5113.25	42	-12	54	34.67	31.94	7.96	32.57	159	360	A	V
	*	5312	100.19	-	-	92.4	32.18	8.18	32.57	159	360	P	V
	*	5312	92.74	-	-	84.95	32.18	8.18	32.57	159	360	A	V
		5354.95	58.36	-15.64	74	50.48	32.22	8.23	32.57	159	360	P	V
		5350.22	48.81	-5.19	54	40.93	32.22	8.23	32.57	159	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	45.53	-28.47	74	56.51	39.93	12.08	62.99	100	0	P	H
		15810	44.34	-29.66	74	52.05	37.6	14.83	60.14	100	0	P	H
													H
													H
		10540	46.78	-27.22	74	57.76	39.93	12.08	62.99	100	0	P	V
		15810	43.45	-30.55	74	51.16	37.6	14.83	60.14	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	46.77	-27.23	74	57.61	40	12.11	62.95	100	0	P	H
		15930	41.92	-32.08	74	49.76	37.41	14.86	60.11	100	0	P	H
													H
													H
		10620	46.31	-27.69	74	57.15	40	12.11	62.95	100	0	P	V
		15930	42.21	-31.79	74	50.05	37.41	14.86	60.11	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5047.25	50.44	-23.56	74	43.16	31.86	7.99	32.57	120	37	P	H
		5031.35	42.5	-11.5	54	35.21	31.84	8.02	32.57	120	37	A	H
	*	5288	93.38	-	-	85.63	32.14	8.18	32.57	120	37	P	H
	*	5288	85.43	-	-	77.68	32.14	8.18	32.57	120	37	A	H
		5352.42	51.3	-22.7	74	43.42	32.22	8.23	32.57	120	37	P	H
		5387.4	42.97	-11.03	54	34.99	32.26	8.29	32.57	120	37	A	H
		5142.35	50.5	-23.5	74	43.15	31.98	7.94	32.57	260	315	P	V
		5108	42.26	-11.74	54	34.93	31.94	7.96	32.57	260	315	A	V
	*	5292	95.55	-	-	87.8	32.14	8.18	32.57	260	315	P	V
	*	5292	88.58	-	-	80.83	32.14	8.18	32.57	260	315	A	V
		5362.65	53.7	-20.3	74	45.74	32.24	8.29	32.57	260	315	P	V
		5353.74	45.78	-8.22	54	37.9	32.22	8.23	32.57	260	315	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	46.69	-27.31	74	57.59	39.97	12.1	62.97	100	0	P	H
		15870	42.55	-31.45	74	50.34	37.49	14.84	60.12	100	0	P	H
													H
													H
		10580	46.54	-27.46	74	57.44	39.97	12.1	62.97	100	0	P	V
		15870	41.06	-32.94	74	48.85	37.49	14.84	60.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	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		5357.04	49.35	-24.65	74	41.47	32.22	8.23	32.57	375	47	P	H
		5470	40.34	-13.66	54	32.26	32.36	8.29	32.57	375	47	A	H
	*	5501	98.22	-	-	90.11	32.4	8.29	32.58	375	47	P	H
	*	5501	91.26	-	-	83.15	32.4	8.29	32.58	375	47	A	H
													H
													H
		5468.24	51.32	-22.68	74	43.24	32.36	8.29	32.57	277	338	P	V
		5470	42.39	-11.61	54	34.31	32.36	8.29	32.57	277	338	A	V
	*	5498	103.69	-	-	95.57	32.4	8.29	32.57	277	338	P	V
	*	5498	96.36	-	-	88.24	32.4	8.29	32.57	277	338	A	V
													V
													V
802.11a CH 116 5580MHz		5354.64	49.08	-24.92	74	41.2	32.22	8.23	32.57	178	56	P	H
		5470	39.93	-14.07	54	31.85	32.36	8.29	32.57	178	56	A	H
	*	5581	97.42	-	-	89.39	32.44	8.2	32.61	178	56	P	H
	*	5581	90.11	-	-	82.08	32.44	8.2	32.61	178	56	A	H
		5736.68	49.86	-24.14	74	41.66	32.54	8.33	32.67	178	56	P	H
		5756.2	41.29	-12.71	54	33.07	32.56	8.33	32.67	178	56	A	H
		5429.36	48.91	-25.09	74	40.87	32.32	8.29	32.57	258	335	P	V
		5468.24	40.23	-13.77	54	32.15	32.36	8.29	32.57	258	335	A	V
	*	5581	101.52	-	-	93.49	32.44	8.2	32.61	258	335	P	V
	*	5581	96.34	-	-	88.31	32.44	8.2	32.61	258	335	A	V
		5762.04	50.51	-23.49	74	42.27	32.56	8.35	32.67	258	335	P	V
		5755.48	41.31	-12.69	54	33.09	32.56	8.33	32.67	258	335	A	V



802.11a CH 140 5700MHz	*	5698	99.22	-	-	91.06	32.51	8.3	32.65	100	150	P	H
	*	5698	92.61	-	-	84.45	32.51	8.3	32.65	100	150	A	H
		5731.64	51.31	-22.69	74	43.12	32.53	8.33	32.67	100	150	P	H
		5731.16	41.96	-12.04	54	33.77	32.53	8.33	32.67	100	150	A	H
													H
													H
	*	5702	102.58	-	-	94.41	32.52	8.3	32.65	100	357	P	V
	*	5702	95.58	-	-	87.41	32.52	8.3	32.65	100	357	A	V
		5732.6	51.48	-22.52	74	43.29	32.53	8.33	32.67	100	357	P	V
		5725.32	42.83	-11.17	54	34.63	32.53	8.33	32.66	100	357	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11001	46.71	-27.29	74	56.91	40.3	12.3	62.8	100	0	P	H
		16500	43.49	-30.51	74	48.86	38.8	15.23	59.4	100	0	P	H
													H
													H
		11001	46	-28	74	56.2	40.3	12.3	62.8	100	0	P	V
		16500	43.27	-30.73	74	48.64	38.8	15.23	59.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.42	-26.58	74	57.63	40.2	12.39	62.8	100	0	P	H
		16740	44.88	-29.12	74	49.7	39.57	15.3	59.69	100	0	P	H
													H
													H
		11160	47.05	-26.95	74	57.26	40.2	12.39	62.8	100	0	P	V
		16740	44.82	-29.18	74	49.64	39.57	15.3	59.69	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.04	-26.96	74	57.25	40.06	12.53	62.8	100	0	P	H
		17100	46.34	-27.66	74	50.24	40.68	15.48	60.06	100	0	P	H
													H
													H
		11400	46.81	-27.19	74	57.02	40.06	12.53	62.8	100	0	P	V
		17100	45.87	-28.13	74	49.77	40.68	15.48	60.06	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5455.6	49.48	-24.52	74	41.42	32.34	8.29	32.57	104	202	P	H
		5469.2	40.32	-13.68	54	32.24	32.36	8.29	32.57	104	202	A	H
	*	5498	95.53	-	-	87.41	32.4	8.29	32.57	104	202	P	H
	*	5498	88.32	-	-	80.2	32.4	8.29	32.57	104	202	A	H
													H
													H
		5455.92	50.42	-23.58	74	42.36	32.34	8.29	32.57	111	348	P	V
		5469.2	41.85	-12.15	54	33.77	32.36	8.29	32.57	111	348	A	V
	*	5499	102.23	-	-	94.11	32.4	8.29	32.57	111	348	P	V
	*	5499	94.52	-	-	86.4	32.4	8.29	32.57	111	348	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5371.76	49.67	-24.33	74	41.71	32.24	8.29	32.57	119	158	P	H
		5469.84	39.86	-14.14	54	31.78	32.36	8.29	32.57	119	158	A	H
	*	5578	95.92	-	-	87.89	32.44	8.2	32.61	119	158	P	H
	*	5578	88.09	-	-	80.06	32.44	8.2	32.61	119	158	A	H
		5739.96	50.28	-23.72	74	42.08	32.54	8.33	32.67	119	158	P	H
		5755.16	40.67	-13.33	54	32.45	32.56	8.33	32.67	119	158	A	H
		5361.84	50.33	-23.67	74	42.37	32.24	8.29	32.57	152	360	P	V
		5468.4	40.18	-13.82	54	32.1	32.36	8.29	32.57	152	360	A	V
	*	5581	102.26	-	-	94.23	32.44	8.2	32.61	152	360	P	V
	*	5581	94.48	-	-	86.45	32.44	8.2	32.61	152	360	A	V
		5752.92	50.72	-23.28	74	42.5	32.56	8.33	32.67	152	360	P	V
		5728.28	40.7	-13.3	54	32.5	32.53	8.33	32.66	152	360	A	V



802.11n HT20 CH 140 5700MHz	*	5698	95.19	-	-	87.03	32.51	8.3	32.65	129	20	P	H
	*	5698	87.08	-	-	78.92	32.51	8.3	32.65	129	20	A	H
		5726.44	51.34	-22.66	74	43.14	32.53	8.33	32.66	129	20	P	H
		5730.28	41.1	-12.9	54	32.91	32.53	8.33	32.67	129	20	A	H
													H
													H
	*	5702	102.13	-	-	93.96	32.52	8.3	32.65	170	360	P	V
	*	5702	95	-	-	86.83	32.52	8.3	32.65	170	360	A	V
		5725.48	51.36	-22.64	74	43.16	32.53	8.33	32.66	170	360	P	V
		5725	42.57	-11.43	54	34.37	32.53	8.33	32.66	170	360	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	46.41	-27.59	74	56.61	40.3	12.3	62.8	100	0	P	H
		16500	43.15	-30.85	74	48.52	38.8	15.23	59.4	100	0	P	H
													H
													H
		11000	46.13	-27.87	74	56.33	40.3	12.3	62.8	100	0	P	V
		16500	43.15	-30.85	74	48.52	38.8	15.23	59.4	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	47.75	-26.25	74	57.96	40.2	12.39	62.8	100	0	P	H
		16740	45.87	-28.13	74	50.69	39.57	15.3	59.69	100	0	P	H
													H
													H
		11160	46.21	-27.79	74	56.42	40.2	12.39	62.8	100	0	P	V
		16740	44.06	-29.94	74	48.88	39.57	15.3	59.69	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	47.06	-26.94	74	57.27	40.06	12.53	62.8	100	0	P	H
		17100	47.28	-26.72	74	51.18	40.68	15.48	60.06	100	0	P	H
													H
													H
		11400	46.76	-27.24	74	56.97	40.06	12.53	62.8	100	0	P	V
		17100	46.13	-27.87	74	50.03	40.68	15.48	60.06	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5468.72	51.64	-22.36	74	43.56	32.36	8.29	32.57	128	16	P	H
		5469.2	44.34	-9.66	54	36.26	32.36	8.29	32.57	128	16	A	H
	*	5508	90.67	-	-	82.56	32.4	8.29	32.58	128	16	P	H
	*	5508	84.71	-	-	76.6	32.4	8.29	32.58	128	16	A	H
		5744.36	50.5	-23.5	74	42.3	32.54	8.33	32.67	128	16	P	H
		5740.68	41.87	-12.13	54	33.67	32.54	8.33	32.67	128	16	A	H
		5463.92	58.07	-15.93	74	49.99	32.36	8.29	32.57	158	360	P	V
		5468.88	49.3	-4.7	54	41.22	32.36	8.29	32.57	158	360	A	V
	*	5508	98.81	-	-	90.7	32.4	8.29	32.58	158	360	P	V
	*	5508	92.06	-	-	83.95	32.4	8.29	32.58	158	360	A	V
		5757.88	51.71	-22.29	74	43.49	32.56	8.33	32.67	158	360	P	V
		5742.76	41.78	-12.22	54	33.58	32.54	8.33	32.67	158	360	A	V
802.11n HT40 CH 110 5550MHz		5453.68	49.23	-24.77	74	41.17	32.34	8.29	32.57	375	60	P	H
		5416.08	41	-13	54	32.98	32.3	8.29	32.57	375	60	A	H
	*	5548	92.1	-	-	84.02	32.43	8.24	32.59	375	60	P	H
	*	5548	85.05	-	-	76.97	32.43	8.24	32.59	375	60	A	H
		5749.8	51.04	-22.96	74	42.84	32.54	8.33	32.67	375	60	P	H
		5725.72	42.16	-11.84	54	33.96	32.53	8.33	32.66	375	60	A	H
		5462.8	50.05	-23.95	74	41.97	32.36	8.29	32.57	132	354	P	V
		5468.4	41.55	-12.45	54	33.47	32.36	8.29	32.57	132	354	A	V
	*	5548	98.23	-	-	90.15	32.43	8.24	32.59	132	354	P	V
	*	5548	91.49	-	-	83.41	32.43	8.24	32.59	132	354	A	V
		5746.92	50.5	-23.5	74	42.3	32.54	8.33	32.67	132	354	P	V
		5759.88	41.92	-12.08	54	33.7	32.56	8.33	32.67	132	354	A	V



802.11n HT40 CH 134 5670MHz		5439.76	49.26	-24.74	74	41.22	32.32	8.29	32.57	358	51	P	H
		5465.2	40.9	-13.1	54	32.82	32.36	8.29	32.57	358	51	A	H
	*	5668	92.28	-	-	84.15	32.5	8.27	32.64	358	51	P	H
	*	5668	85.55	-	-	77.42	32.5	8.27	32.64	358	51	A	H
		5736.28	51.61	-22.39	74	43.41	32.54	8.33	32.67	358	51	P	H
		5731.24	42.01	-11.99	54	33.82	32.53	8.33	32.67	358	51	A	H
		5467.6	49.58	-24.42	74	41.5	32.36	8.29	32.57	124	347	P	V
		5467.76	41.13	-12.87	54	33.05	32.36	8.29	32.57	124	347	A	V
	*	5668	98.84	-	-	90.71	32.5	8.27	32.64	124	347	P	V
	*	5668	91.87	-	-	83.74	32.5	8.27	32.64	124	347	A	V
		5747.48	51.96	-22.04	74	43.76	32.54	8.33	32.67	124	347	P	V
		5727.32	43.4	-10.6	54	35.2	32.53	8.33	32.66	124	347	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	47.71	-26.29	74	57.92	40.29	12.3	62.8	100	0	P	H
		16530	43.57	-30.43	74	48.86	38.91	15.24	59.44	100	0	P	H
													H
													H
		11020	46.44	-27.56	74	56.65	40.29	12.3	62.8	100	0	P	V
		16530	43.11	-30.89	74	48.4	38.91	15.24	59.44	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	47.56	-26.44	74	57.77	40.24	12.35	62.8	100	0	P	H
		16650	44.81	-29.19	74	49.82	39.3	15.28	59.59	100	0	P	H
													H
													H
		11100	48.01	-25.99	74	58.22	40.24	12.35	62.8	100	0	P	V
		16650	44.32	-29.68	74	49.33	39.3	15.28	59.59	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	47.03	-26.97	74	57.24	40.1	12.49	62.8	100	0	P	H
		17010	45.31	-28.69	74	49.48	40.45	15.39	60.01	100	0	P	H
													H
													H
		11340	46.4	-27.6	74	56.61	40.1	12.49	62.8	100	0	P	V
		17010	45.97	-28.03	74	50.14	40.45	15.39	60.01	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5435.92	49.23	-24.77	74	41.19	32.32	8.29	32.57	355	47	P	H
		5437.36	43.31	-10.69	54	35.27	32.32	8.29	32.57	355	47	A	H
	*	5532	88.77	-	-	80.7	32.42	8.24	32.59	355	47	P	H
	*	5532	80.14	-	-	72.07	32.42	8.24	32.59	355	47	A	H
		5735.56	50.57	-23.43	74	42.37	32.54	8.33	32.67	355	47	P	H
		5753.56	42.49	-11.51	54	34.27	32.56	8.33	32.67	355	47	A	H
		5469.68	56.28	-17.72	74	48.2	32.36	8.29	32.57	108	343	P	V
		5470	49.55	-4.45	54	41.47	32.36	8.29	32.57	108	343	A	V
	*	5528	97.08	-	-	89.02	32.41	8.24	32.59	108	343	P	V
	*	5528	88.71	-	-	80.65	32.41	8.24	32.59	108	343	A	V
		5751.56	49.96	-24.04	74	41.74	32.56	8.33	32.67	108	343	P	V
		5755.96	42.37	-11.63	54	34.15	32.56	8.33	32.67	108	343	A	V
802.11ac VHT80 CH 122 5610MHz		5453.04	48.51	-25.49	74	40.45	32.34	8.29	32.57	100	57	P	H
		5460.72	40.98	-13.02	54	32.92	32.34	8.29	32.57	100	57	A	H
	*	5612	88.95	-	-	80.88	32.46	8.23	32.62	100	57	P	H
	*	5612	82.85	-	-	74.78	32.46	8.23	32.62	100	57	A	H
		5751.32	50.92	-23.08	74	42.72	32.54	8.33	32.67	100	57	P	H
		5727.16	42.38	-11.62	54	34.18	32.53	8.33	32.66	100	57	A	H
		5465.52	49.94	-24.06	74	41.86	32.36	8.29	32.57	129	344	P	V
		5467.6	42.68	-11.32	54	34.6	32.36	8.29	32.57	129	344	A	V
	*	5608	96.96	-	-	88.89	32.46	8.23	32.62	129	344	P	V
	*	5608	89.35	-	-	81.28	32.46	8.23	32.62	129	344	A	V
		5725.24	50.95	-23.05	74	42.75	32.53	8.33	32.66	129	344	P	V
		5728.6	42.72	-11.28	54	34.52	32.53	8.33	32.66	129	344	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	47.22	-26.78	74	57.44	40.26	12.32	62.8	100	0	P	H
		16590	45.56	-28.44	74	50.72	39.08	15.26	59.5	100	0	P	H
													H
													H
		11060	46.89	-27.11	74	57.11	40.26	12.32	62.8	100	0	P	V
		16590	45.75	-28.25	74	50.91	39.08	15.26	59.5	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	46.87	-27.13	74	57.08	40.17	12.42	62.8	100	0	P	H
		16830	45.06	-28.94	74	49.67	39.85	15.33	59.79	100	0	P	H
													H
													H
		11220	47.33	-26.67	74	57.54	40.17	12.42	62.8	100	0	P	V
		16830	45.68	-28.32	74	50.29	39.85	15.33	59.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 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	*	5718	96.65	-	-	88.48	32.53	8.3	32.66	119	19	P	H
	*	5718	90.18	-	-	82.01	32.53	8.3	32.66	119	19	A	H
													H
													H
													H
													H
	*	5722	102.66	-	-	94.46	32.53	8.33	32.66	143	347	P	V
	*	5722	95.53	-	-	87.33	32.53	8.33	32.66	143	347	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	46.36	-27.64	74	56.56	40.04	12.56	62.8	100	0	P	H
		17160	48.05	-25.95	74	51.71	40.87	15.57	60.1	100	0	P	H
													H
													H
		11440	44.03	-29.97	74	54.23	40.04	12.56	62.8	100	0	P	V
		17160	46.72	-27.28	74	50.38	40.87	15.57	60.1	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5722	96.1	-	-	87.9	32.53	8.33	32.66	136	18	P	H
	*	5722	88.27	-	-	80.07	32.53	8.33	32.66	136	18	A	H
													H
													H
													H
													H
	*	5722	100.7	-	-	92.5	32.53	8.33	32.66	148	349	P	V
	*	5722	93.39	-	-	85.19	32.53	8.33	32.66	148	349	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	44.69	-29.31	74	54.89	40.04	12.56	62.8	100	0	P	H
		17160	46.98	-27.02	74	50.64	40.87	15.57	60.1	100	0	P	H
													H
													H
		11440	44.54	-29.46	74	54.74	40.04	12.56	62.8	100	0	P	V
		17160	47.21	-26.79	74	50.87	40.87	15.57	60.1	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5712	92.27	-	-	84.11	32.52	8.3	32.66	219	33	P	H
	*	5712	85.26	-	-	77.1	32.52	8.3	32.66	219	33	A	H
													H
													H
													H
													H
	*	5708	99.38	-	-	91.22	32.52	8.3	32.66	105	350	P	V
	*	5708	92.29	-	-	84.13	32.52	8.3	32.66	105	350	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	46.78	-27.22	74	57	40.05	12.53	62.8	100	0	P	H
		17130	45.93	-28.07	74	49.72	40.77	15.52	60.08	100	0	P	H
													H
													H
		11420	44.66	-29.34	74	54.88	40.05	12.53	62.8	100	0	P	V
		17130	47.6	-26.4	74	51.39	40.77	15.52	60.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5692	92.05	-	-	83.89	32.51	8.3	32.65	100	37	P	H
	*	5692	82.52	-	-	74.36	32.51	8.3	32.65	100	37	A	H
													H
													H
													H
													H
	*	5688	96.93	-	-	88.77	32.51	8.3	32.65	100	338	P	V
	*	5688	88.85	-	-	80.69	32.51	8.3	32.65	100	338	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	48.05	-25.95	74	58.27	40.07	12.51	62.8	100	0	P	H
		17070	46.11	-27.89	74	50.13	40.59	15.43	60.04	100	0	P	H
													H
													H
		11380	46.19	-27.81	74	56.41	40.07	12.51	62.8	100	0	P	V
		17070	46.12	-27.88	74	50.14	40.59	15.43	60.04	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	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 LF		30.54	16.37	-23.63	40	29.08	19.46	0.65	32.82			P	H
		101.01	16.88	-26.62	43.5	37.87	10.5	1.14	32.63			P	H
		202.26	17.88	-25.62	43.5	38.95	10.18	1.48	32.73			P	H
		598.9	21.11	-24.89	46	32	19.57	2.57	33.03			P	H
		797.7	23.76	-22.24	46	31.6	22.07	2.97	32.88			P	H
		937	25.96	-20.04	46	30.55	24.02	3.29	31.9	100	91	P	H
													H
													H
													H
													H
													H
													H
		30.27	22.38	-17.62	40	34.55	20	0.65	32.82			P	V
		40.8	23.55	-16.45	40	41.76	13.94	0.65	32.8	100	44	P	V
		65.1	18.47	-21.53	40	43.88	6.4	0.93	32.74			P	V
		776.7	23.61	-22.39	46	31.68	21.87	2.97	32.91			P	V
		873.3	25.03	-20.97	46	31.51	22.82	3.16	32.46			P	V
		958.7	26.2	-19.8	46	30.3	24.27	3.29	31.66			P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

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		31.62	16.66	-23.34	40	29.91	18.92	0.65	32.82			P	H
		100.74	19.33	-24.17	43.5	40.32	10.5	1.14	32.63			P	H
		201.72	17.52	-25.98	43.5	38.62	10.15	1.48	32.73			P	H
		750.1	22.74	-23.26	46	31.17	21.6	2.91	32.94			P	H
		877.5	25.55	-20.45	46	31.94	22.89	3.16	32.44			P	H
		949.6	25.83	-20.17	46	30	24.3	3.29	31.76	100	25	P	H
													H
													H
													H
													H
													H
													H
		30.54	23.52	-16.48	40	36.23	19.46	0.65	32.82			P	V
		40.53	24.02	-15.98	40	42.23	13.94	0.65	32.8	100	86	P	V
		60.24	20.21	-19.79	40	45.93	6.1	0.93	32.75			P	V
		627.6	22.04	-23.96	46	32.51	19.93	2.62	33.02			P	V
		790	23.37	-22.63	46	31.29	22	2.97	32.89			P	V
		951	26.12	-19.88	46	30.28	24.3	3.29	31.75			P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



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		30.27	16.68	-23.32	40	28.85	20	0.65	32.82			P	H
		100.74	18.94	-24.56	43.5	39.93	10.5	1.14	32.63			P	H
		202.26	17.33	-26.17	43.5	38.4	10.18	1.48	32.73			P	H
		719.3	21.66	-24.34	46	30.82	20.99	2.82	32.97			P	H
		825	23.98	-22.02	46	31.35	22.3	3.07	32.74			P	H
		958	26.73	-19.27	46	30.84	24.27	3.29	31.67	100	42	P	H
													H
													H
													H
													H
													H
													H
		31.08	22.83	-17.17	40	35.54	19.46	0.65	32.82			P	V
		39.99	23.35	-16.65	40	41	14.5	0.65	32.8	100	7	P	V
		71.58	18.66	-21.34	40	43.51	6.94	0.93	32.72			P	V
		736.8	22.11	-23.89	46	30.8	21.35	2.91	32.95			P	V
		843.9	23.73	-22.27	46	30.84	22.45	3.07	32.63			P	V
		950.3	25.95	-20.05	46	30.12	24.3	3.29	31.76			P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

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		30	16.43	-23.57	40	28.6	20	0.65	32.82			P	H
		101.01	17.24	-26.26	43.5	38.23	10.5	1.14	32.63			P	H
		201.99	17.04	-26.46	43.5	38.14	10.15	1.48	32.73			P	H
		675.2	21.09	-24.91	46	31.02	20.4	2.67	33			P	H
		818	23.58	-22.42	46	31.05	22.24	3.07	32.78			P	H
		940.5	26.51	-19.49	46	30.98	24.11	3.29	31.87	100	57	P	H
													H
													H
													H
													H
													H
													H
		30	23.79	-16.21	40	35.96	20	0.65	32.82	100	21	P	V
		39.45	23.59	-16.41	40	41.24	14.5	0.65	32.8			P	V
		61.86	14.8	-25.2	40	40.39	6.22	0.93	32.74			P	V
		722.1	22.79	-23.21	46	31.89	21.05	2.82	32.97			P	V
		875.4	25.43	-20.57	46	31.86	22.86	3.16	32.45			P	V
		950.3	26.05	-19.95	46	30.22	24.3	3.29	31.76			P	V
													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.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		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

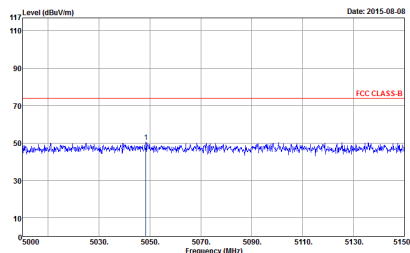
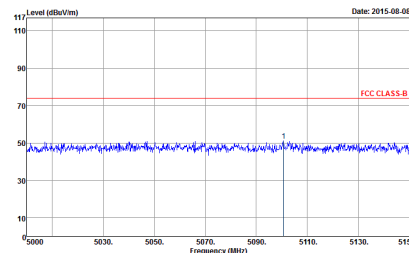
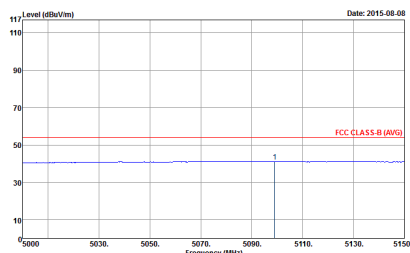
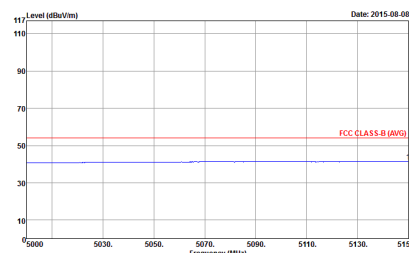
Test Engineer :	Elvis Chen and Stan Hsieh and Karl Hou	Temperature :	21~22°C
		Relative Humidity :	43~44%

Band 1 - 5150~5250MHz

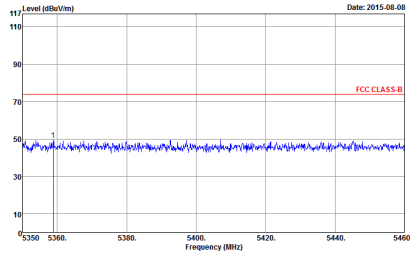
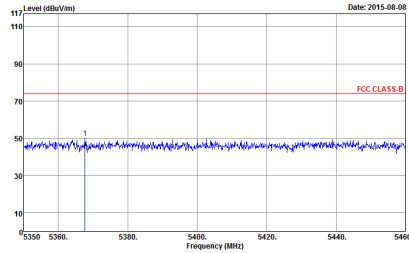
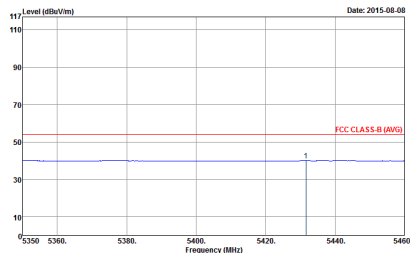
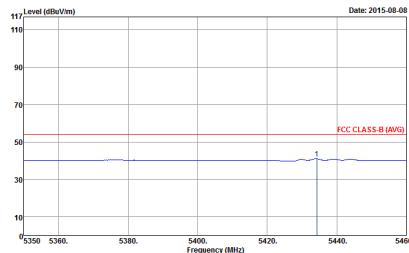
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

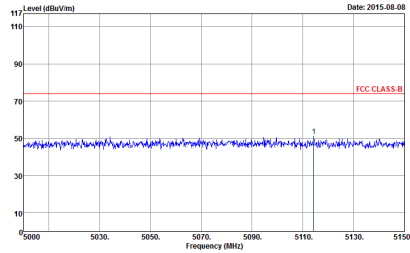
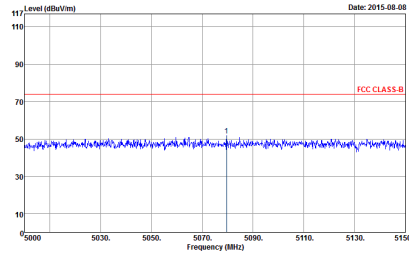
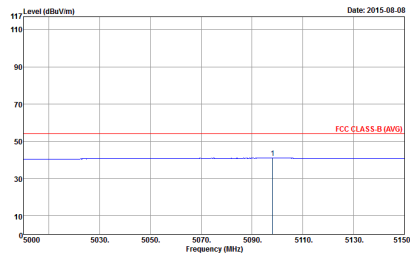
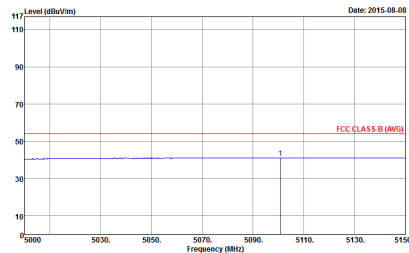


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz – Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto

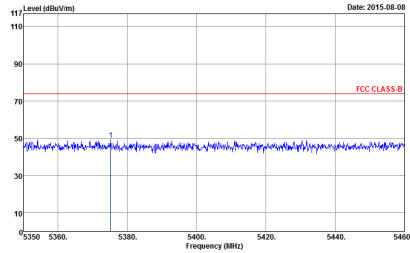
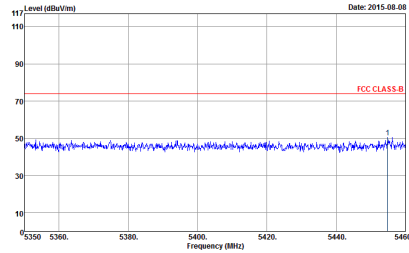
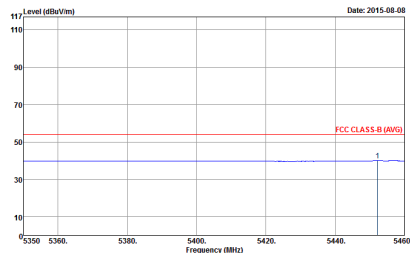
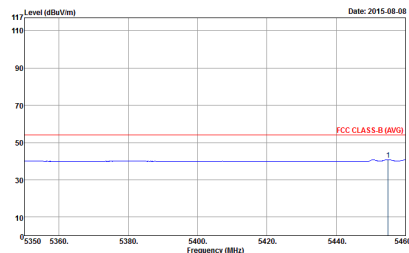


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



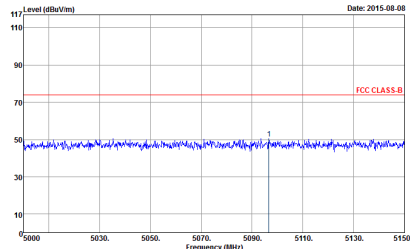
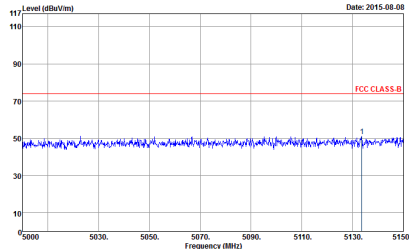
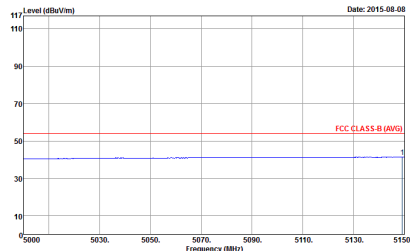
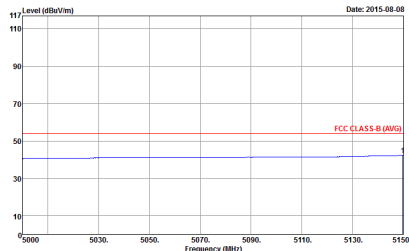
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



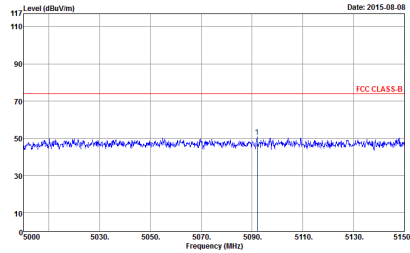
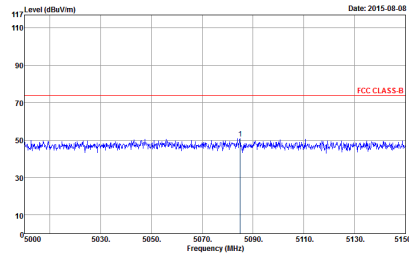
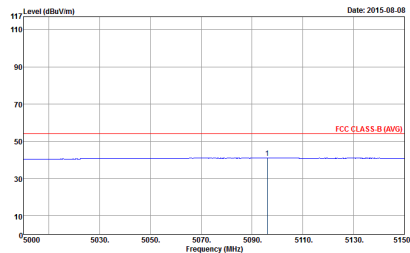
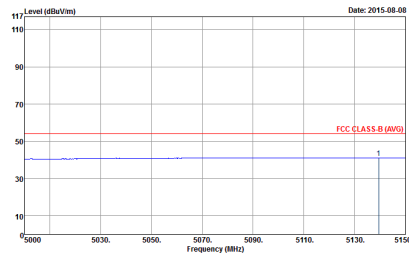
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the frequency spectrum for the horizontal orientation. The y-axis represents Level (dBuV/m) from 10 to 117, and the x-axis represents Frequency (MHz) from 5350 to 5460. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal (blue line) is significantly below this limit, with a peak level of approximately 50 dBuV/m. A small peak is visible at 5440 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	The plot shows the frequency spectrum for the vertical orientation. The y-axis represents Level (dBuV/m) from 10 to 117, and the x-axis represents Frequency (MHz) from 5350 to 5460. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal (blue line) is significantly below this limit, with a peak level of approximately 50 dBuV/m. A small peak is visible at 5440 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	The plot shows the frequency spectrum for the horizontal orientation using average detection. The y-axis represents Level (dBuV/m) from 10 to 117, and the x-axis represents Frequency (MHz) from 5350 to 5460. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal (blue line) is below this limit, with an average level of approximately 45 dBuV/m. A small peak is visible at 5440 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto	The plot shows the frequency spectrum for the vertical orientation using average detection. The y-axis represents Level (dBuV/m) from 10 to 117, and the x-axis represents Frequency (MHz) from 5350 to 5460. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal (blue line) is below this limit, with an average level of approximately 45 dBuV/m. A small peak is visible at 5440 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto



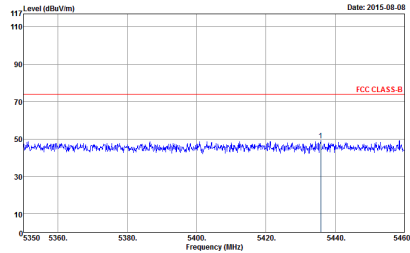
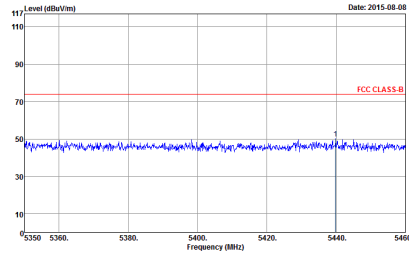
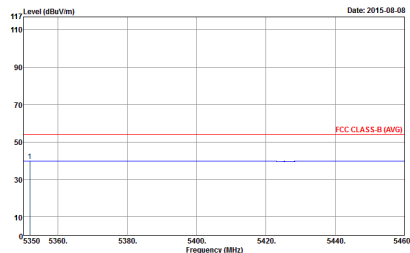
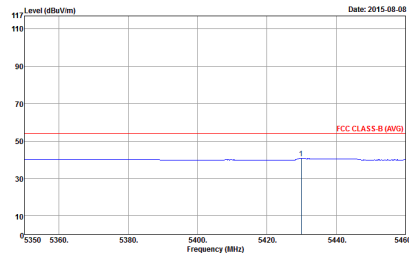
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

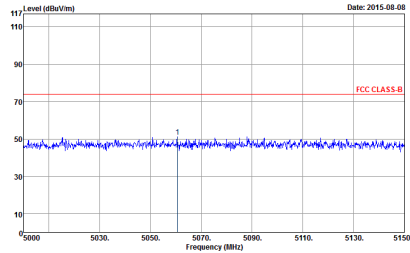
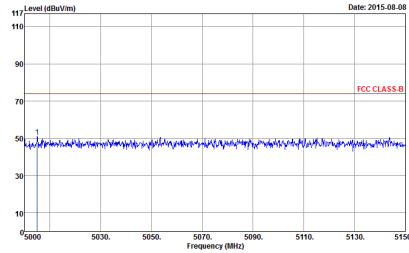
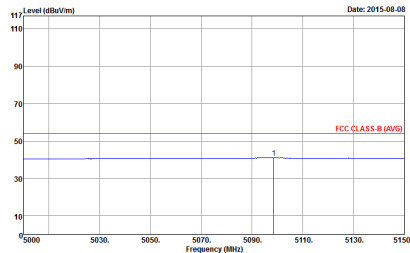
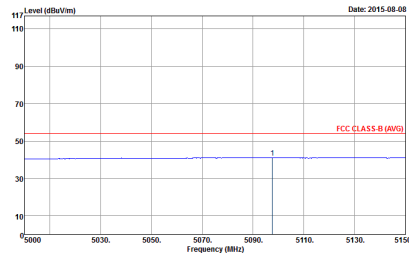


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto

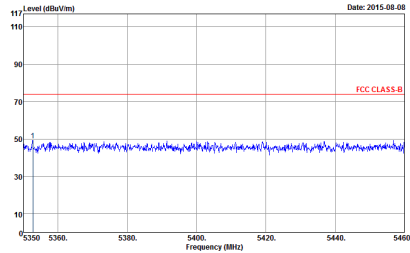
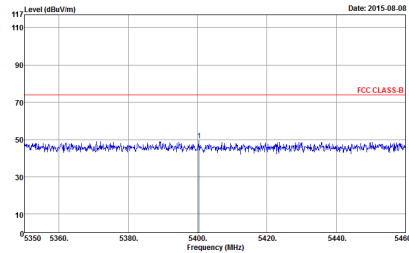
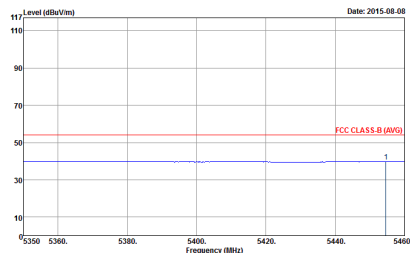
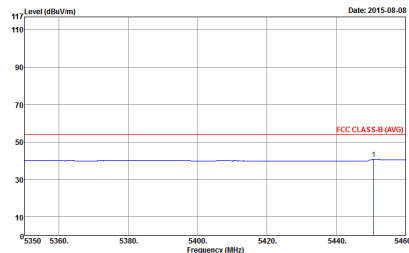


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is shown as a blue line with a peak at 5440 MHz reaching approximately 55 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is shown as a blue line with a peak at 5440 MHz reaching approximately 55 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is shown as a blue line with a peak at 5440 MHz reaching approximately 45 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is shown as a blue line with a peak at 5440 MHz reaching approximately 45 dBuV/m. Site : 03CH10-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	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red horizontal line at 70 dBuV/m indicates the FCC CLASS-B limit. The measured signal is a noisy blue line that remains below the limit, with a peak value of 51 dBuV/m marked at 5080 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red horizontal line at 70 dBuV/m indicates the FCC CLASS-B limit. The measured signal is a noisy blue line that remains below the limit, with a peak value of 51 dBuV/m marked at 5080 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red horizontal line at 55 dBuV/m indicates the FCC CLASS-B (AVG) limit. The measured signal is a noisy blue line that remains below the limit, with a peak value of 45 dBuV/m marked at 5080 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red horizontal line at 55 dBuV/m indicates the FCC CLASS-B (AVG) limit. The measured signal is a noisy blue line that remains below the limit, with a peak value of 45 dBuV/m marked at 5080 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



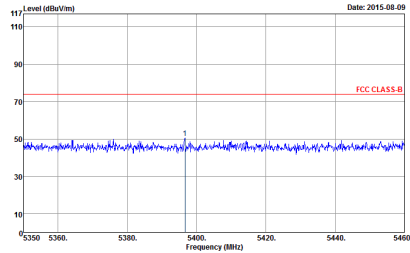
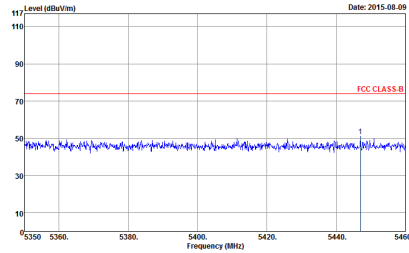
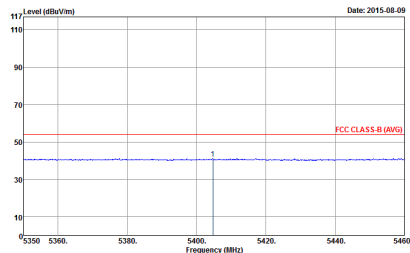
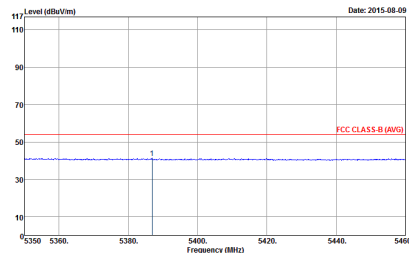
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak signal level in dBuV/m across the frequency range 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is a noisy blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak signal level in dBuV/m across the frequency range 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is a noisy blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average signal level in dBuV/m across the frequency range 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is a smooth blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average signal level in dBuV/m across the frequency range 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is a smooth blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



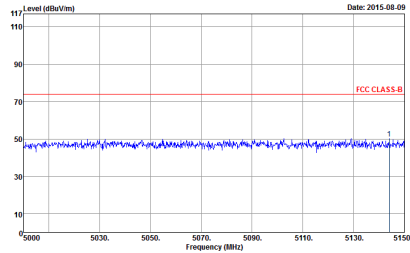
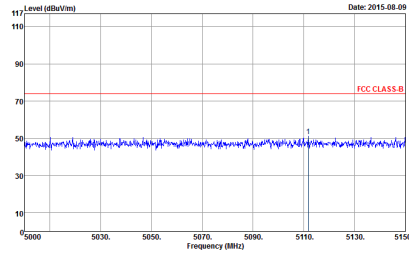
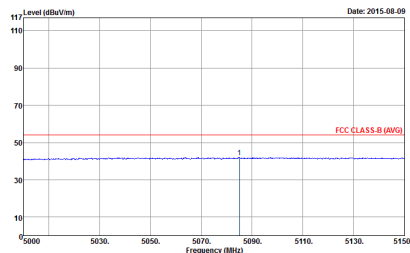
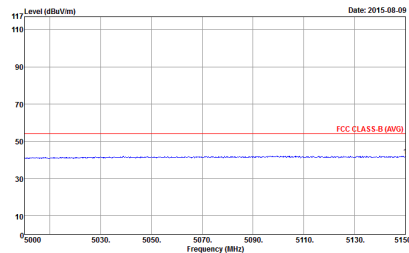
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : RBW:1000.000KHz VBW:2.000KHz SWT:Auto Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : RBW:1000.000KHz VBW:2.000KHz SWT:Auto Peak

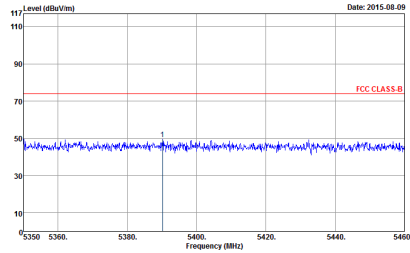
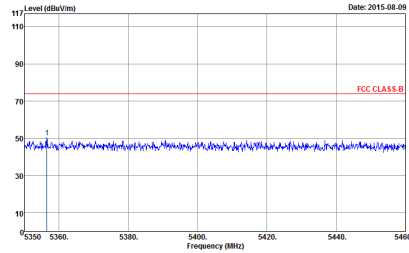
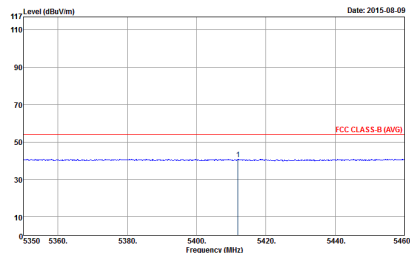
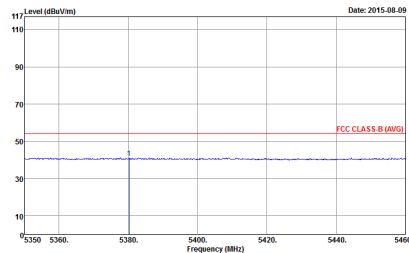


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is a noisy blue line that remains below the limit, with a peak marker at 5400 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is a noisy blue line that remains below the limit, with a peak marker at 5400 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is a smooth blue line that remains below the limit, with a peak marker at 5400 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is a smooth blue line that remains below the limit, with a peak marker at 5400 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz 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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz 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	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is below this limit, with a peak labeled '1' at 5360 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is below this limit, with a peak labeled '1' at 5360 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is below this limit, with a peak labeled '1' at 5360 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:2.000KHz SWT:Auto	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is below this limit, with a peak labeled '1' at 5360 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:2.000KHz SWT:Auto



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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Site : 03CH10-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	802.11ac VHT80 CH42 5210MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Horizontal Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a noisy baseline around 40-50 dBuV/m with a red line indicating the FCC CLASS-B limit at approximately 75 dBuV/m. A small peak is visible at 5210 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak	Vertical Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a noisy baseline around 40-50 dBuV/m with a red line indicating the FCC CLASS-B limit at approximately 75 dBuV/m. A small peak is visible at 5210 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak
Avg.	Horizontal Avg. Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a noisy baseline around 40-50 dBuV/m with a red line indicating the FCC CLASS-B (AVG) limit at approximately 75 dBuV/m. A small peak is visible at 5210 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak	Vertical Avg. Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a noisy baseline around 40-50 dBuV/m with a red line indicating the FCC CLASS-B (AVG) limit at approximately 75 dBuV/m. A small peak is visible at 5210 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak



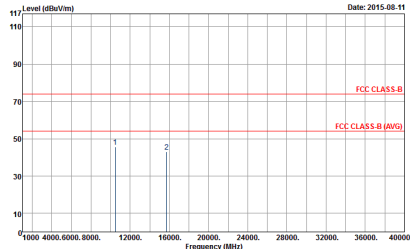
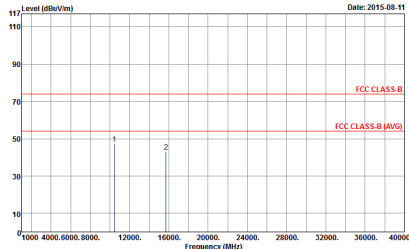
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-VY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



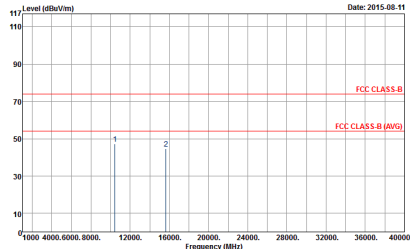
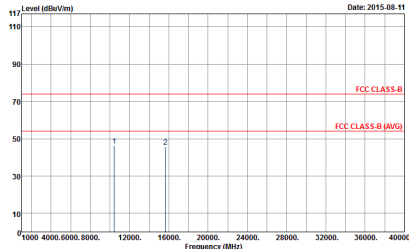
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



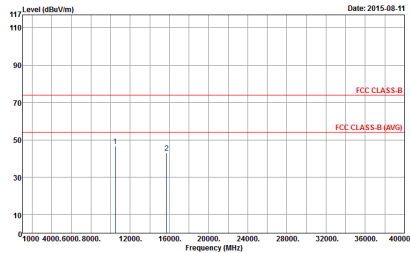
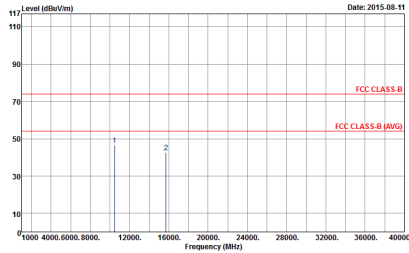
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



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.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak

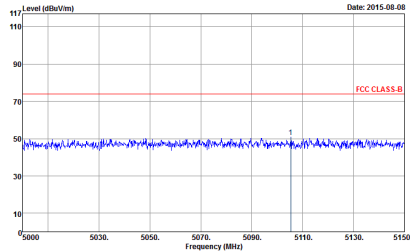
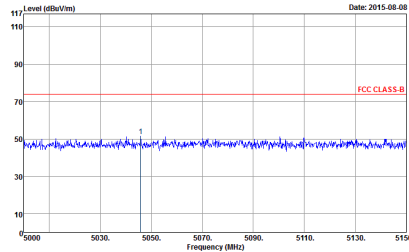
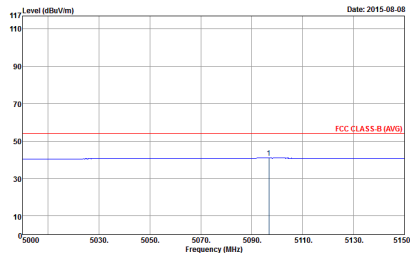
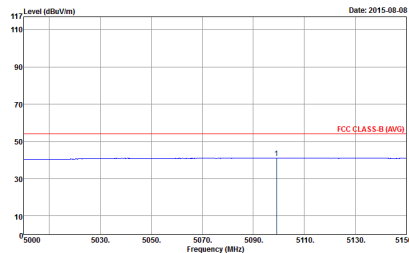


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

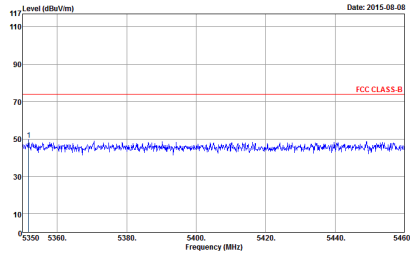
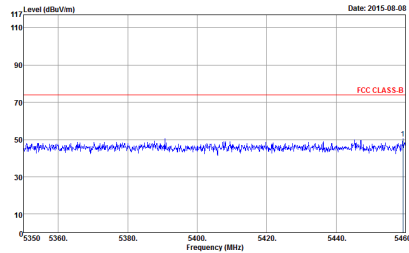
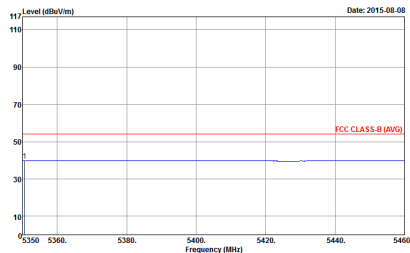
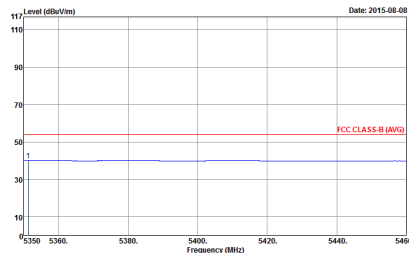
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



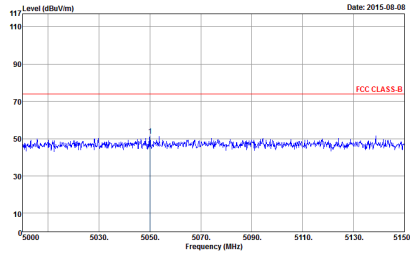
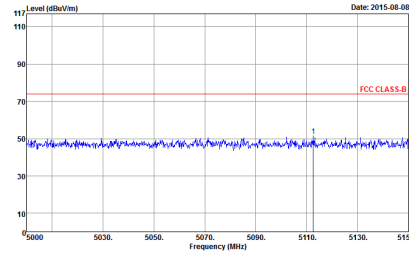
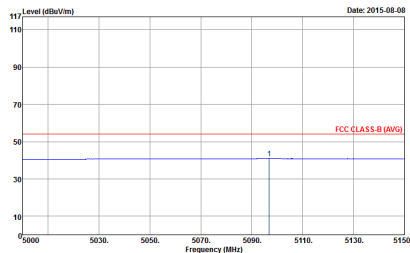
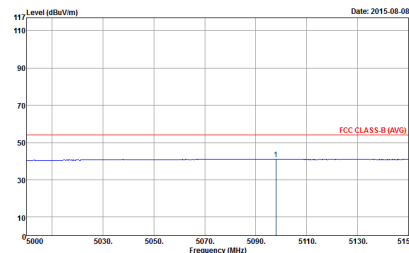
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:0.010KHz SWT:Auto

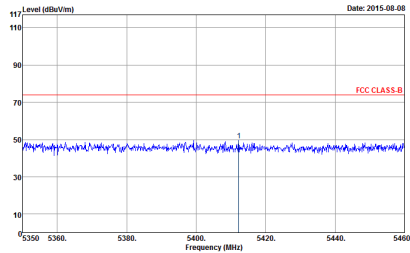
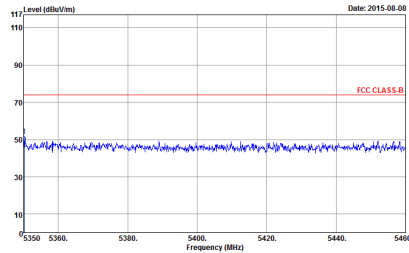
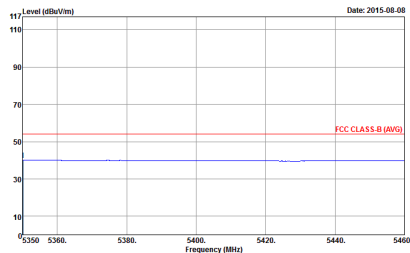
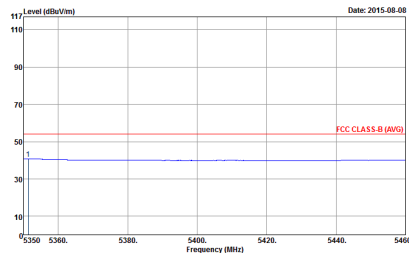


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak signal level in dBuV/m across the frequency range 5350 to 5460 MHz. The y-axis ranges from 10 to 117 dBuV/m. A red line at 70 dBuV/m represents the FCC CLASS-B limit. The blue signal line is consistently below this limit, fluctuating between approximately 40 and 50 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak signal level in dBuV/m across the frequency range 5350 to 5460 MHz. The y-axis ranges from 10 to 117 dBuV/m. A red line at 70 dBuV/m represents the FCC CLASS-B limit. The blue signal line is consistently below this limit, fluctuating between approximately 40 and 50 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average signal level in dBuV/m across the frequency range 5350 to 5460 MHz. The y-axis ranges from 10 to 117 dBuV/m. A red line at 55 dBuV/m represents the FCC CLASS-B (AVG) limit. The blue signal line is consistently below this limit, fluctuating between approximately 35 and 45 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average signal level in dBuV/m across the frequency range 5350 to 5460 MHz. The y-axis ranges from 10 to 117 dBuV/m. A red line at 55 dBuV/m represents the FCC CLASS-B (AVG) limit. The blue signal line is consistently below this limit, fluctuating between approximately 35 and 45 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

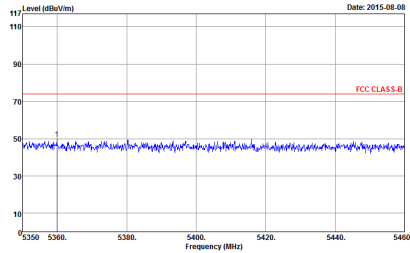
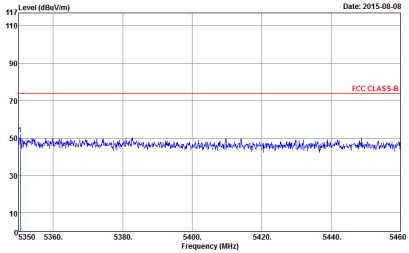
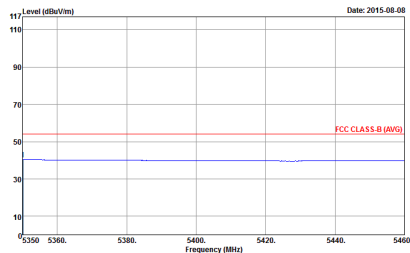
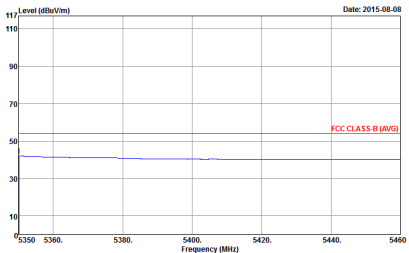


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



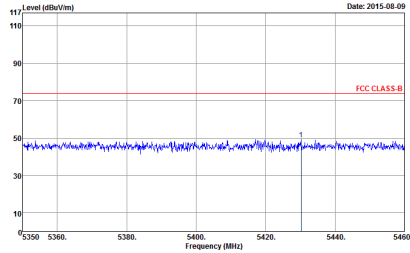
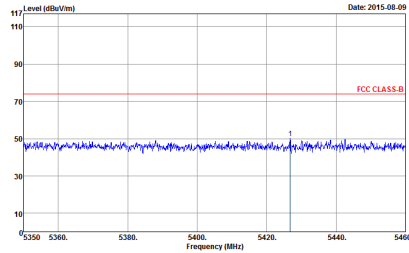
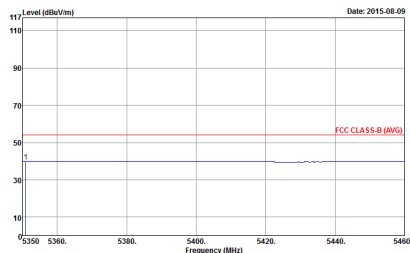
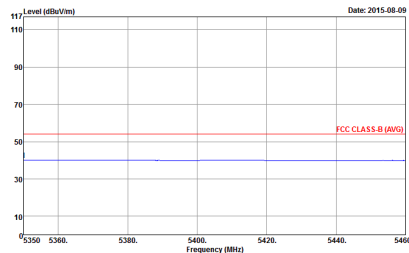
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



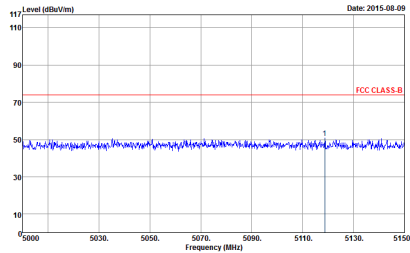
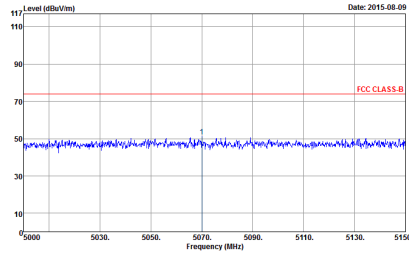
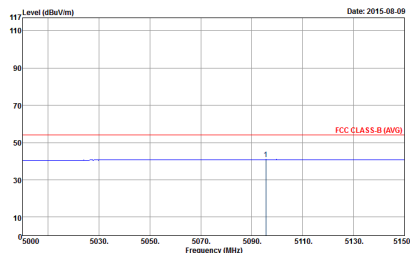
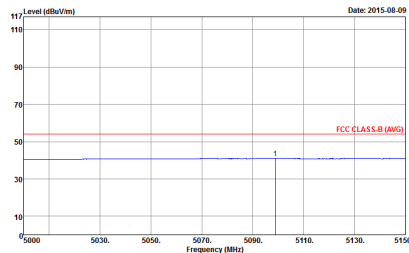
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

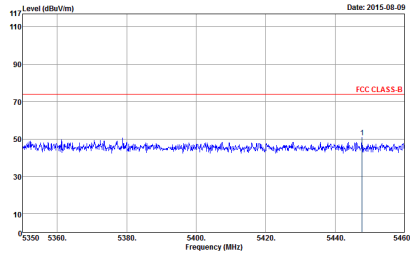
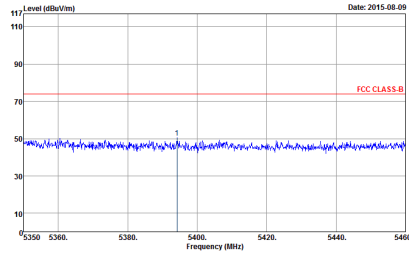
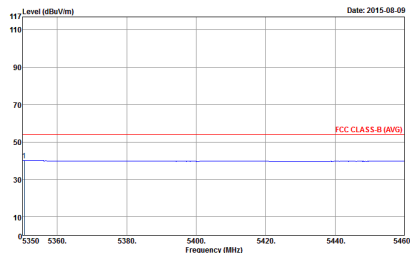
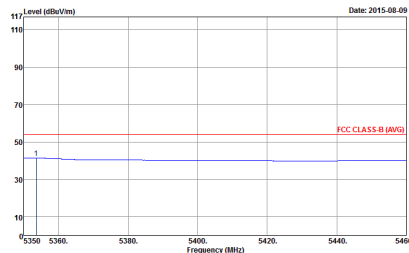


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is shown as a blue line with a peak at 5420 MHz reaching approximately 55 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is shown as a blue line with a peak at 5420 MHz reaching approximately 55 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is shown as a blue line that remains below the limit across the entire frequency range. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is shown as a blue line that remains below the limit across the entire frequency range. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

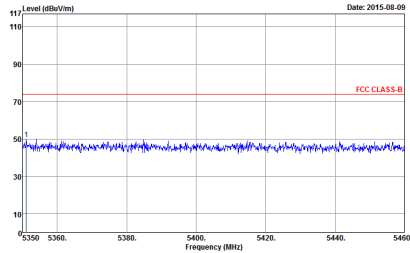
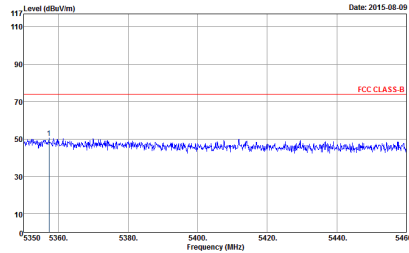
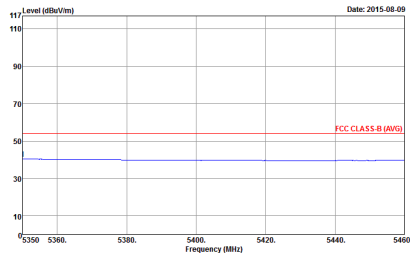
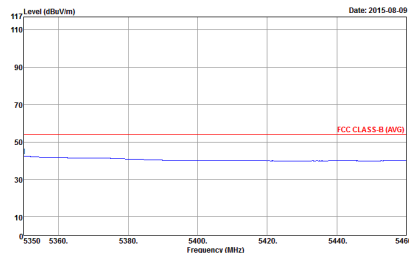


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



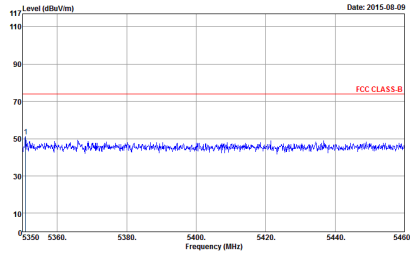
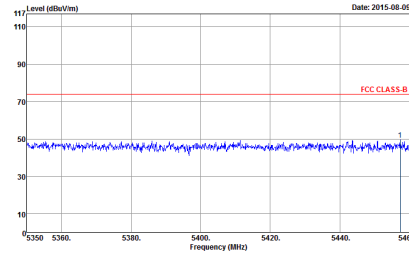
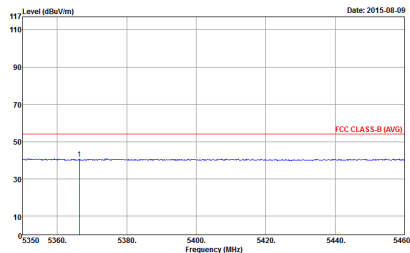
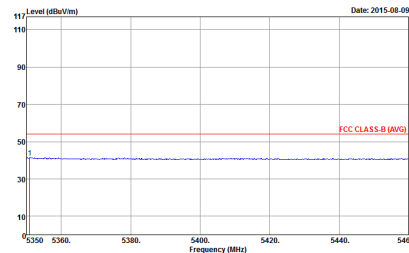
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak

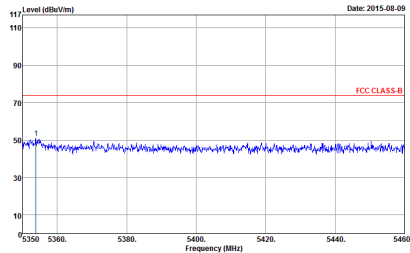
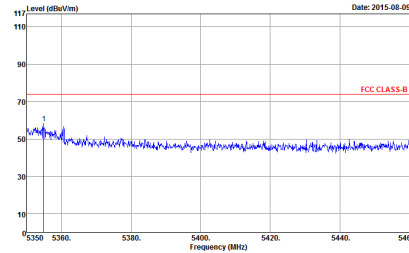
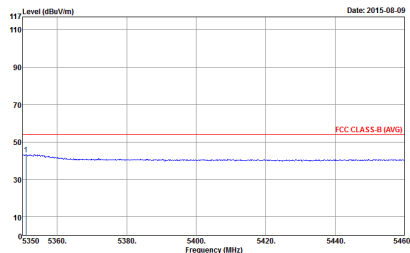
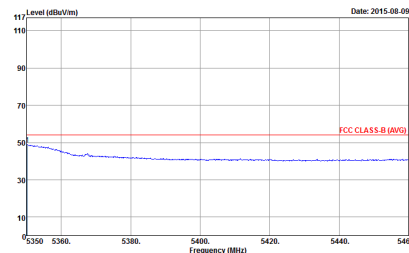


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak



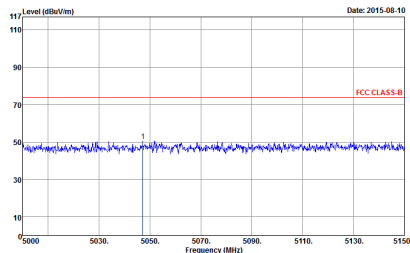
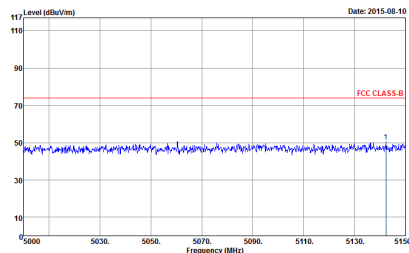
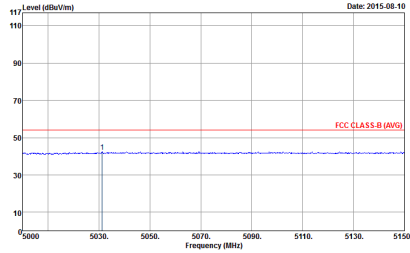
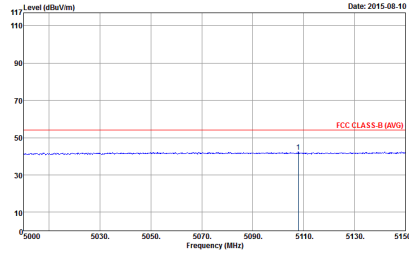
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Horizontal Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 5000 to 5150 MHz. The plot shows a noisy baseline around 50 dBuV/m with a sharp peak at 5310 MHz reaching approximately 65 dBuV/m. A red horizontal line at 70 dBuV/m is labeled 'FCC CLASS-B'. The date is 2015-08-09. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Vertical Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 5000 to 5150 MHz. The plot shows a noisy baseline around 50 dBuV/m with a sharp peak at 5310 MHz reaching approximately 65 dBuV/m. A red horizontal line at 70 dBuV/m is labeled 'FCC CLASS-B'. The date is 2015-08-09. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Horizontal Average Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 5000 to 5150 MHz. The plot shows a noisy baseline around 45 dBuV/m with a sharp peak at 5310 MHz reaching approximately 55 dBuV/m. A red horizontal line at 55 dBuV/m is labeled 'FCC CLASS-B (AVG)'. The date is 2015-08-09. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	Vertical Average Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz) from 5000 to 5150 MHz. The plot shows a noisy baseline around 45 dBuV/m with a sharp peak at 5310 MHz reaching approximately 55 dBuV/m. A red horizontal line at 55 dBuV/m is labeled 'FCC CLASS-B (AVG)'. The date is 2015-08-09. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak



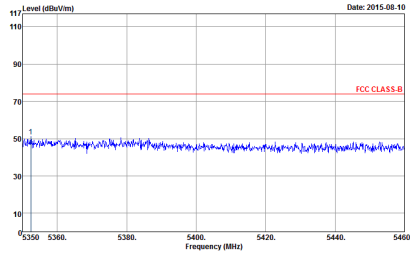
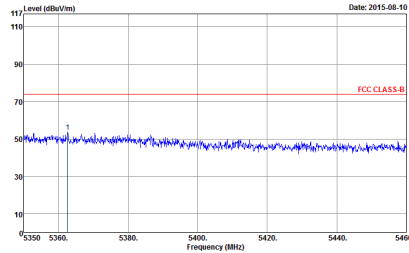
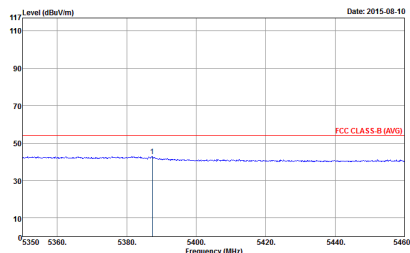
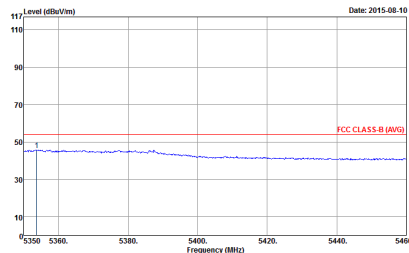
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is a noisy blue line fluctuating around 50 dBuV/m, well below the limit. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is a noisy blue line fluctuating around 50 dBuV/m, well below the limit. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is a smooth blue line fluctuating around 45 dBuV/m, well below the limit. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is a smooth blue line fluctuating around 45 dBuV/m, well below the limit. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz 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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL 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.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



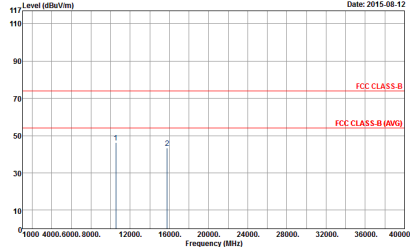
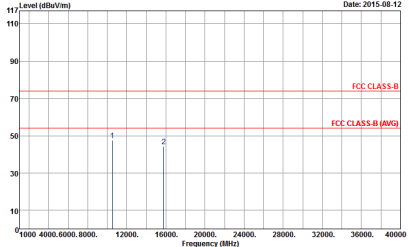
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



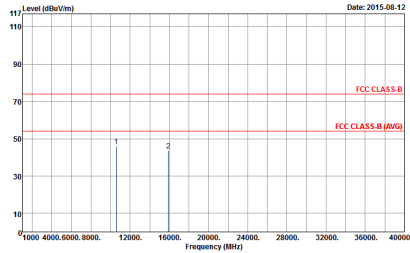
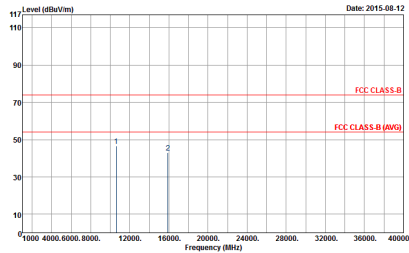
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



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 : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



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.	Site : 03CH10-HV Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HV Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310 MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

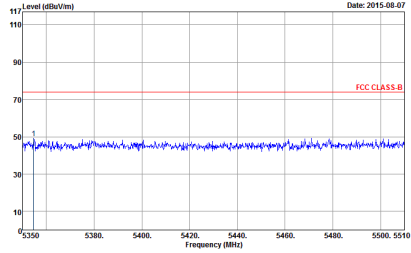
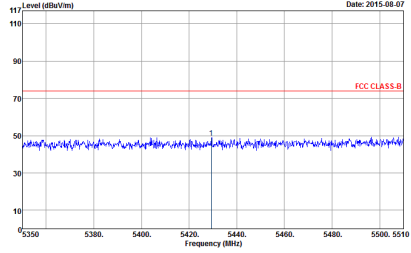
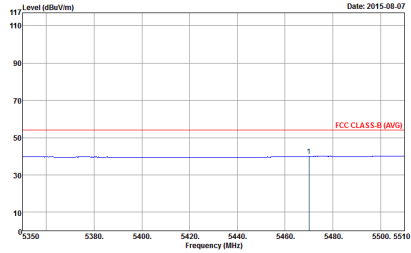
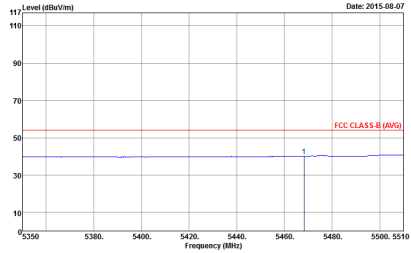
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



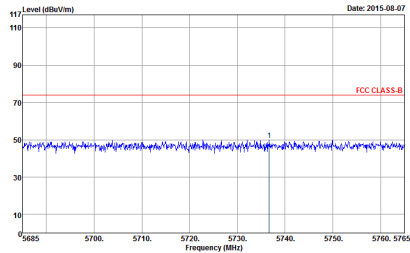
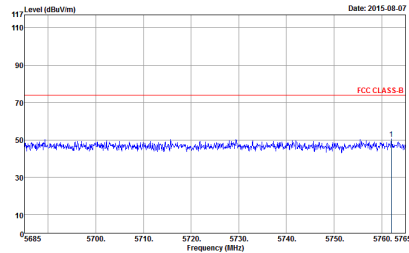
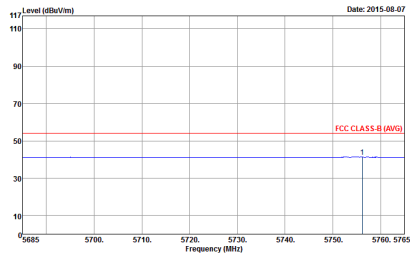
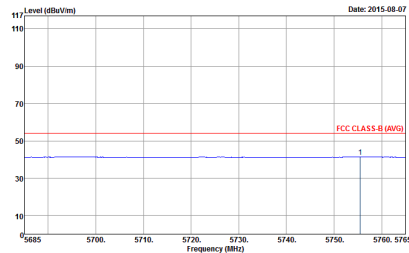
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak

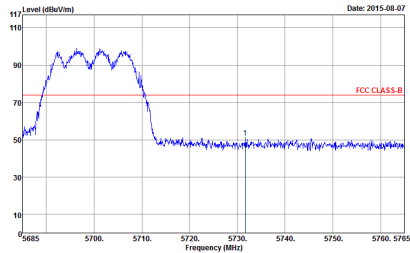
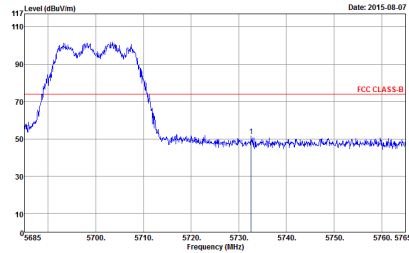
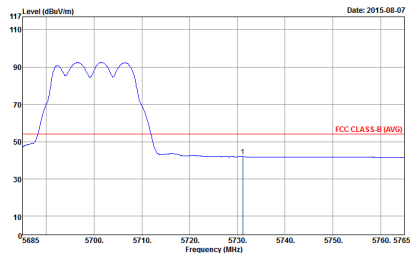
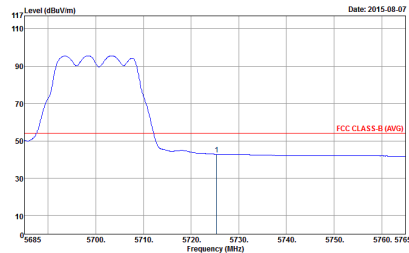


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak signal level in dBuV/m across the frequency range 5350 to 5510 MHz. A red line indicates the FCC CLASS-B limit at approximately 70 dBuV/m. The measured signal is a noisy blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak signal level in dBuV/m across the frequency range 5350 to 5510 MHz. A red line indicates the FCC CLASS-B limit at approximately 70 dBuV/m. The measured signal is a noisy blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average signal level in dBuV/m across the frequency range 5350 to 5510 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 50 dBuV/m. The measured signal is a smooth blue line that remains below the limit. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average signal level in dBuV/m across the frequency range 5350 to 5510 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 50 dBuV/m. The measured signal is a smooth blue line that remains below the limit. Site : 03CH10-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 CH16 5580MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the frequency spectrum for the horizontal orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5685 to 5765. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal (blue line) is below this limit, with a peak labeled '1' at 5740 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the frequency spectrum for the vertical orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5685 to 5765. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal (blue line) is below this limit, with a peak labeled '1' at 5740 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the frequency spectrum for the horizontal orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5685 to 5765. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal (blue line) is below this limit, with a peak labeled '1' at 5740 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the frequency spectrum for the vertical orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5685 to 5765. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal (blue line) is below this limit, with a peak labeled '1' at 5740 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



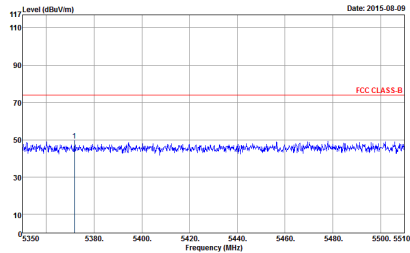
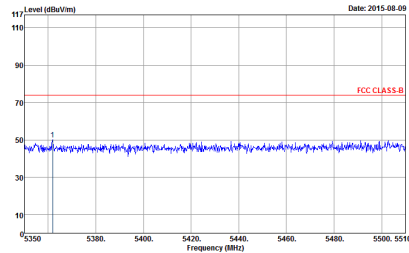
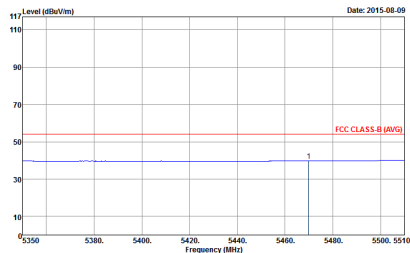
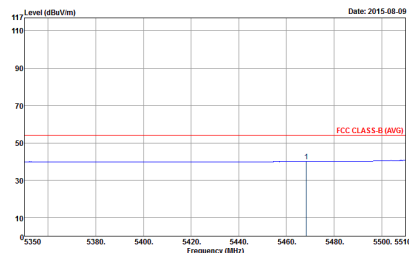
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



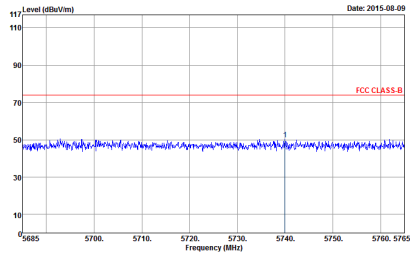
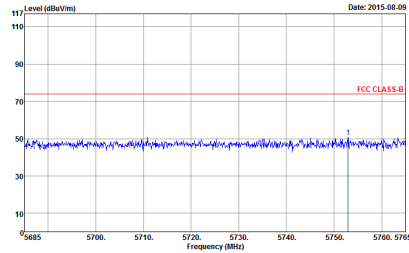
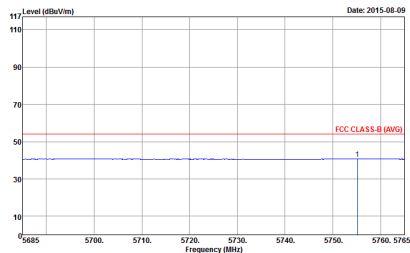
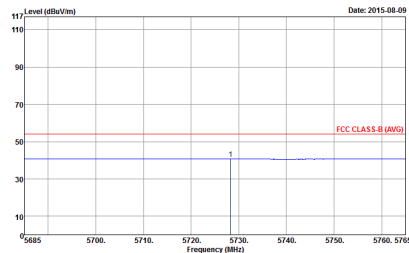
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

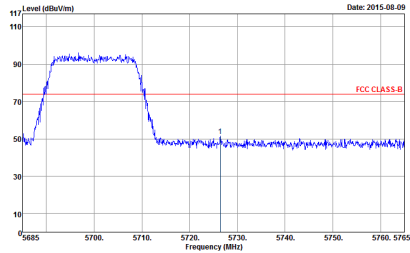
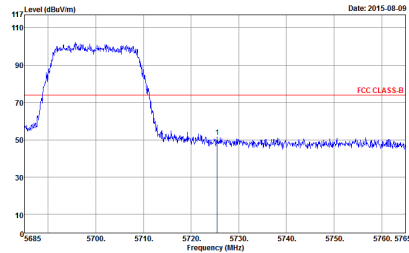
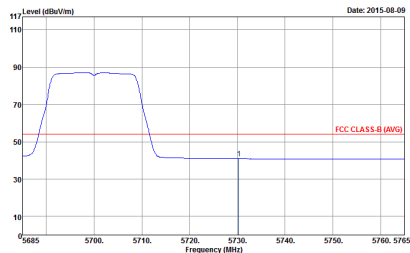
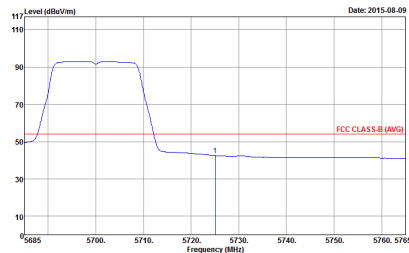


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH16 5580MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-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 CH16 5580MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



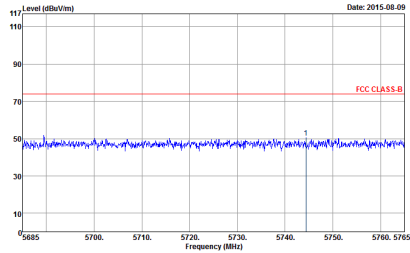
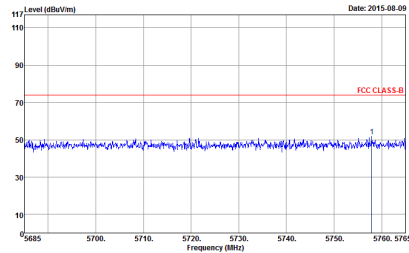
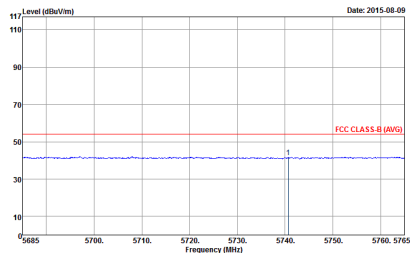
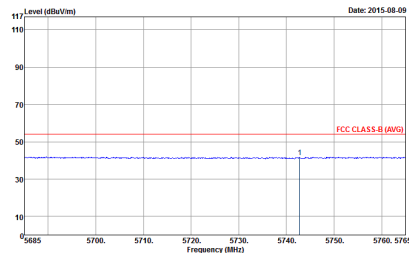
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The signal is centered around 5700 MHz, with a peak level of approximately 90 dBuV/m. A red line indicates the FCC CLASS-B limit at 70 dBuV/m. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The signal is centered around 5700 MHz, with a peak level of approximately 90 dBuV/m. A red line indicates the FCC CLASS-B limit at 70 dBuV/m. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The signal is centered around 5700 MHz, with an average level of approximately 85 dBuV/m. A red line indicates the FCC CLASS-B (AVG) limit at 55 dBuV/m. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The signal is centered around 5700 MHz, with an average level of approximately 85 dBuV/m. A red line indicates the FCC CLASS-B (AVG) limit at 55 dBuV/m. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 10 to 117 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak



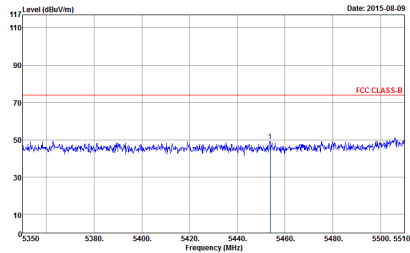
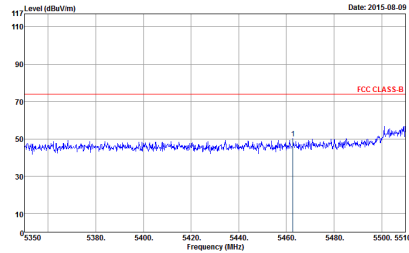
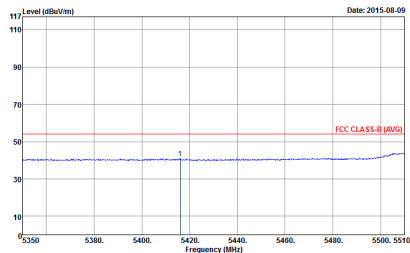
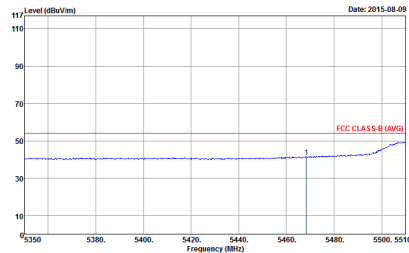
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak

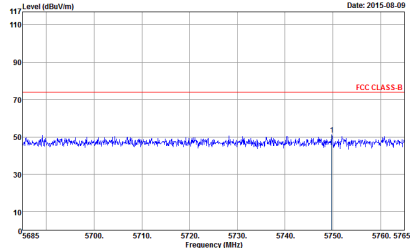
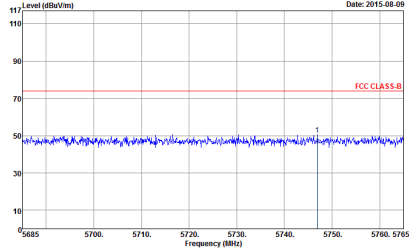
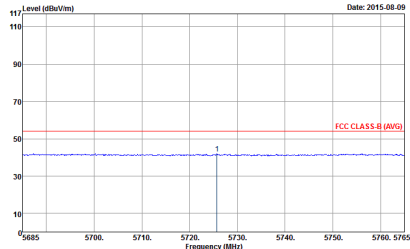
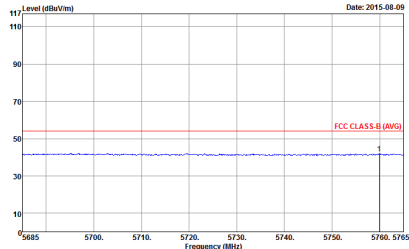


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak

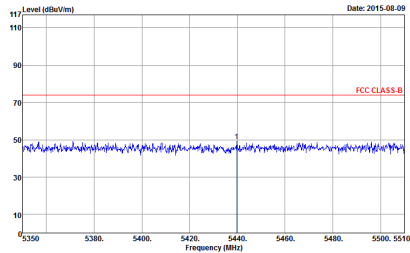
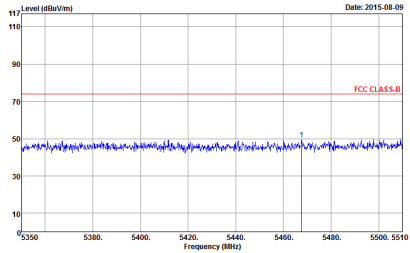
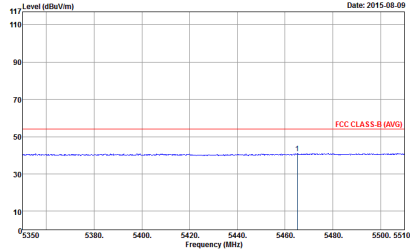
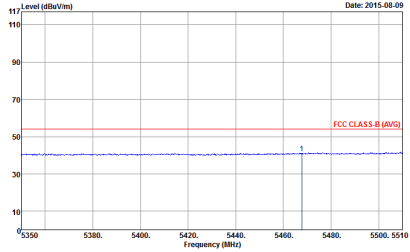


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is shown as a blue line with a peak at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal is shown as a blue line with a peak at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is shown as a blue line with a peak at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal is shown as a blue line with a peak at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak

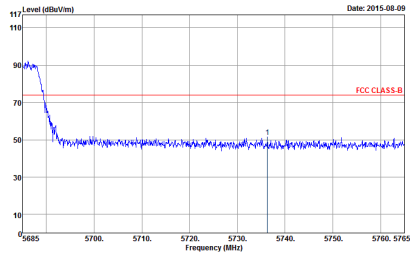
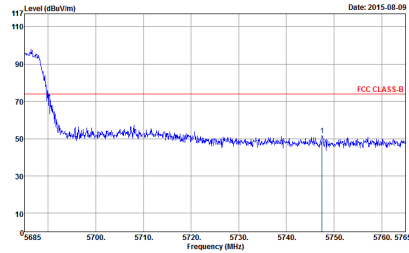
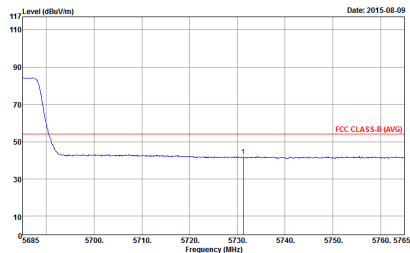
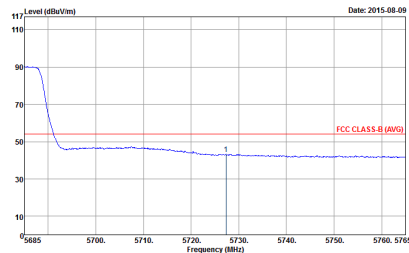


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak



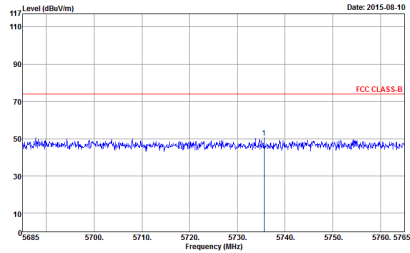
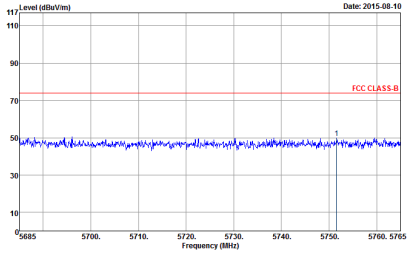
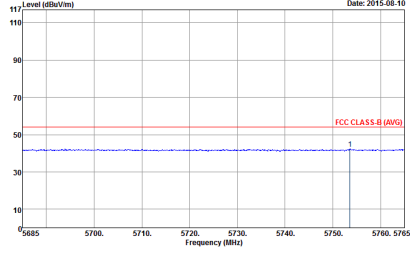
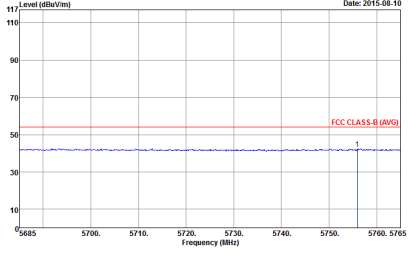
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - High channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. A red horizontal line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The blue trace shows a sharp drop from 90 dBuV/m at 5685 MHz to about 50 dBuV/m by 5700 MHz, remaining flat thereafter. A peak marker '1' is at 5730 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the peak level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. A red horizontal line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The blue trace shows a sharp drop from 90 dBuV/m at 5685 MHz to about 50 dBuV/m by 5700 MHz, remaining flat thereafter. A peak marker '1' is at 5730 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the average level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. A red horizontal line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The blue trace shows a sharp drop from 90 dBuV/m at 5685 MHz to about 45 dBuV/m by 5700 MHz, remaining flat thereafter. A peak marker '1' is at 5730 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak	The plot shows the average level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 10 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. A red horizontal line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The blue trace shows a sharp drop from 90 dBuV/m at 5685 MHz to about 45 dBuV/m by 5700 MHz, remaining flat thereafter. A peak marker '1' is at 5730 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:2.000KHz SWT:Auto Detector : Peak



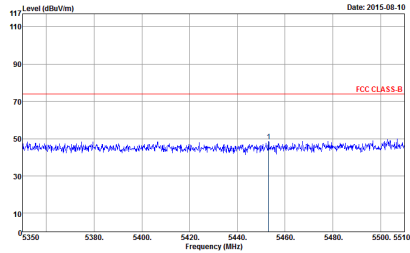
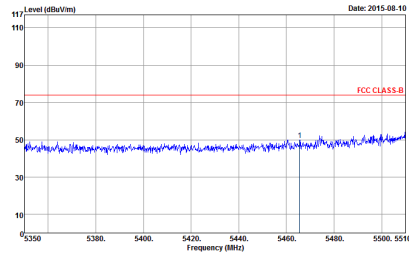
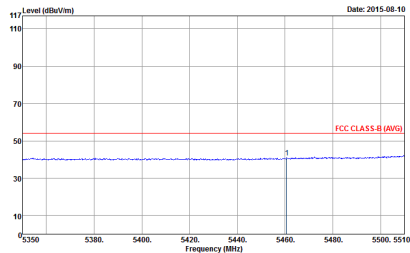
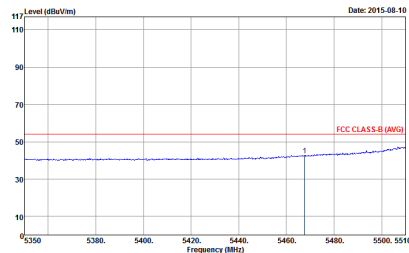
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

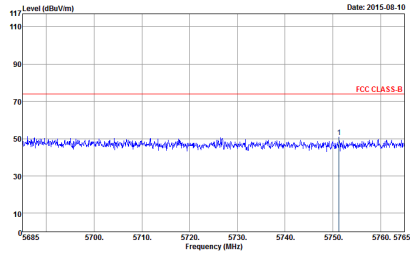
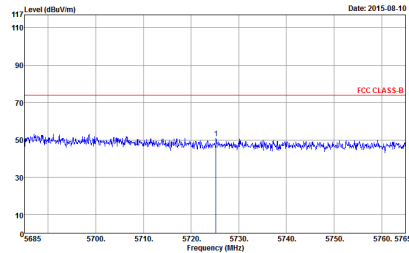
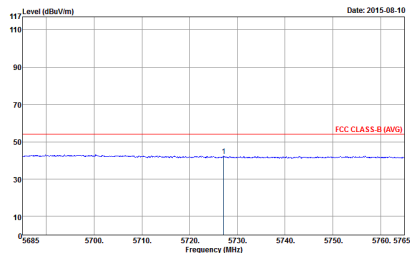
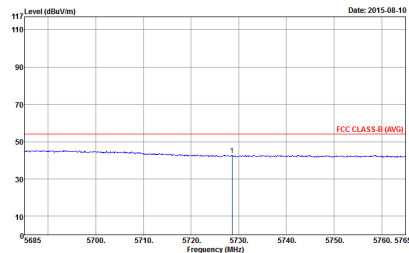


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - High channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL Detector : Peak RBW:1000.000KHz VBW:3.000KHz SWT:Auto



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	The plot shows the frequency spectrum for the horizontal orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5350 to 5510. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal (blue line) is below this limit, with a peak marked at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows the frequency spectrum for the vertical orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5350 to 5510. A red line indicates the FCC CLASS-B limit at approximately 75 dBuV/m. The measured signal (blue line) is below this limit, with a peak marked at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows the frequency spectrum for the horizontal orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5350 to 5510. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal (blue line) is below this limit, with an average marked at 5470 MHz. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	The plot shows the frequency spectrum for the vertical orientation. The y-axis is Level (dBuV/m) from 0 to 117, and the x-axis is Frequency (MHz) from 5350 to 5510. A red line indicates the FCC CLASS-B (AVG) limit at approximately 55 dBuV/m. The measured signal (blue line) is below this limit, with an average marked at 5470 MHz. Site : 03CH10-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	The plot shows a noisy baseline around 50 dBuV/m with a red horizontal line at 70 dBuV/m labeled 'FCC CLASS-B'. A single sharp peak is visible at 5610 MHz, reaching approximately 60 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	The plot shows a noisy baseline around 50 dBuV/m with a red horizontal line at 70 dBuV/m labeled 'FCC CLASS-B'. A single sharp peak is visible at 5610 MHz, reaching approximately 60 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	The plot shows a noisy baseline around 45 dBuV/m with a red horizontal line at 55 dBuV/m labeled 'FCC CLASS-B (AVG)'. A single sharp peak is visible at 5610 MHz, reaching approximately 48 dBuV/m. Site : 03CH10-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	The plot shows a noisy baseline around 45 dBuV/m with a red horizontal line at 55 dBuV/m labeled 'FCC CLASS-B (AVG)'. A single sharp peak is visible at 5610 MHz, reaching approximately 48 dBuV/m. Site : 03CH10-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.	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



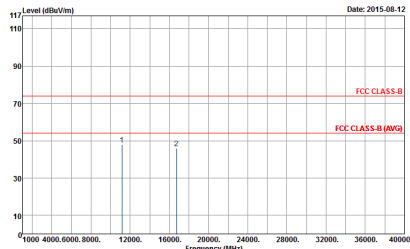
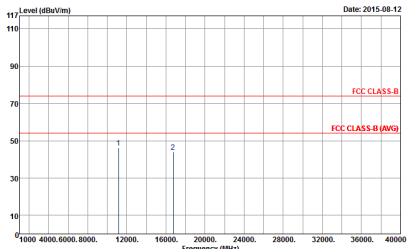
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-11 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



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.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



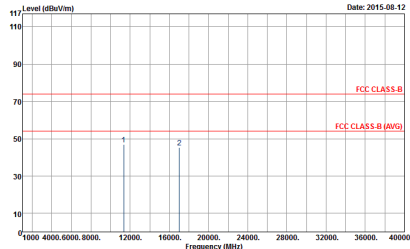
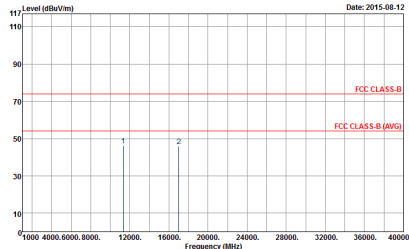
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



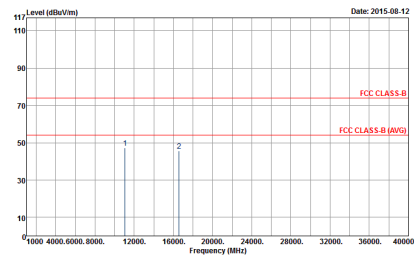
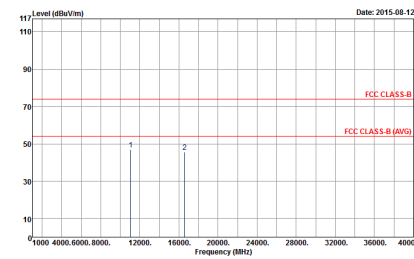
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Frequency (MHz) Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 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.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 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.	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak

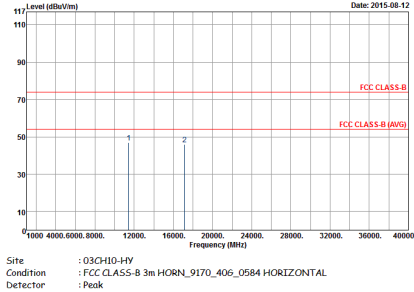
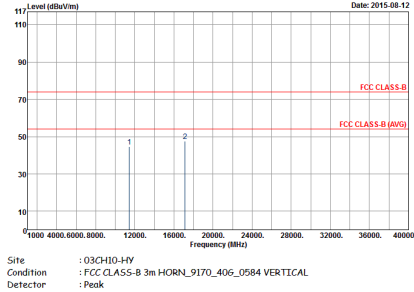


Band 3 – Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-08-12 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-08-12 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak

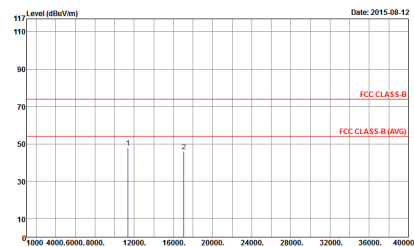
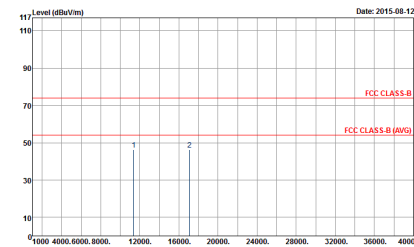


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak

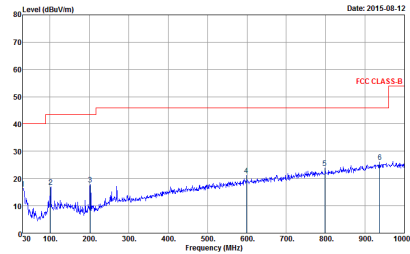
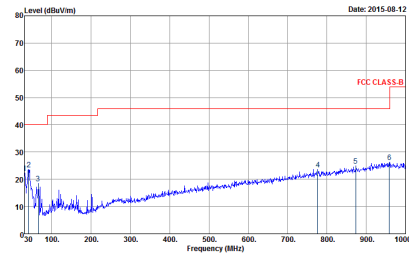


Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m HORN_9170_406_0584 VERTICAL Detector : Peak

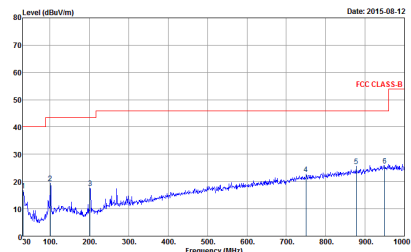
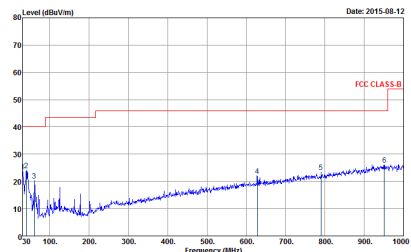


Emission below 1GHz
5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LOG 6111D-LF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LOG 6111D-LF VERTICAL Detector : Peak

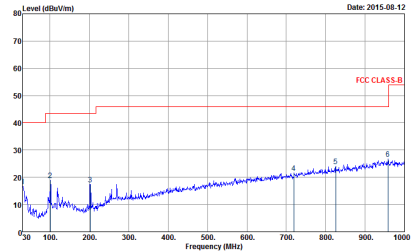
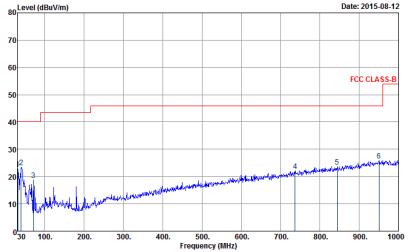


Emission below 1GHz
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LOG 6111D-LF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LOG 6111D-LF VERTICAL Detector : Peak

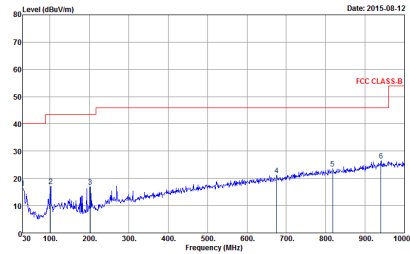
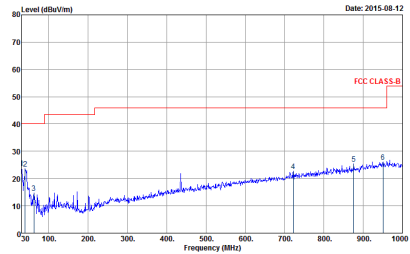


Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LOG 6111D-LF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LOG 6111D-LF VERTICAL Detector : Peak



Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LO6 6111D-LF HORIZONTAL Detector : Peak	 Site : 03CH10-HY Condition : FCC CLASS-B 3m BT-LO6 6111D-LF VERTICAL Detector : Peak